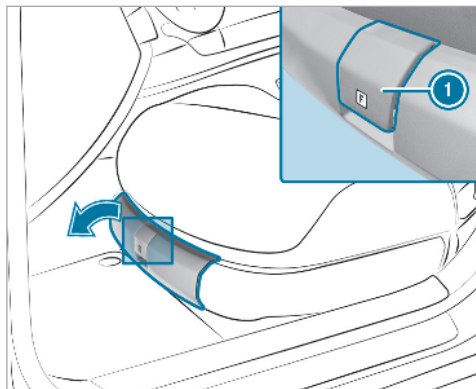


Removing the fire extinguisher



! **NOTE** Damage to the stowage compartment

► Keep the stowage compartment closed while the vehicle is moving.

► Pull handle ① up and fold the cover forwards in the direction of the arrow.

► Remove the fire extinguisher from the stowage compartment.

Flat tyre

Notes on flat tyres

! **WARNING** Risk of accident due to a flat tyre

A flat tyre severely affects the driving characteristics as well as the steering and braking of the vehicle.

Tyres without run-flat characteristics:

- Do not drive with a flat tyre.
- Change the flat tyre immediately with an emergency spare wheel or spare wheel. Alternatively, consult a qualified specialist workshop.

Tyres with run-flat characteristics:

- Observe the information and warning notes on MOExtended tyres (run-flat tyres).

In the event of a flat tyre, the following options are available depending on your vehicle's equipment:

- **Vehicles with MOExtended tyres:** it is possible to continue the journey for a short period of time. Make sure you observe the notes on MOExtended tyres (run-flat tyres) (→ page 471).
- **Vehicles with a TIREFIT kit:** you can repair the tyre so that it is possible to continue the journey for a short period of time. To do this, use the TIREFIT kit (→ page 472).
- **Vehicles with Mercedes me connect:** you can make a call for breakdown assistance via the overhead control panel in the case of a breakdown (→ page 400).
- **All vehicles:** change the wheel (→ page 500).

Notes on MOExtended tyres (run-flat tyres)

⚠ WARNING Risk of accident when driving in limp-home mode

Driving in emergency mode impairs the handling characteristics of the vehicle.

- ▶ Do not exceed the permissible maximum speed of the MOExtended tyres.
- ▶ Avoid any abrupt steering and driving manoeuvres as well as driving over obstacles (kerbs, pot holes, off-road). This applies, in particular, to a loaded vehicle.
- ▶ Stop driving in the emergency mode if you notice:
 - banging noise
 - vehicle vibration
 - smoke which smells like rubber
 - continuous ESP[®] intervention
 - cracks in the tyre sidewalls
- ▶ After driving in emergency mode, have the rims checked by a qualified special-

ist workshop with regard to their further use.

- ▶ The defective tyre must be replaced in every case.

With MOExtended tyres (run-flat tyres), you can continue to drive your vehicle even if there is a total loss of pressure in one or more tyres. However, the tyre affected must not show any clearly visible damage.

You can recognise MOExtended tyres by the MOExtended marking which appears on the side wall of the tyre.

Vehicles with tyre pressure monitoring system: MOExtended tyres may only be used in conjunction with an activated tyre pressure monitoring system.

If a pressure loss warning message appears in the driver's display, proceed as follows:

- Check the tyre for damage.
- If driving on, observe the following notes.

Driving distance possible in emergency mode after the pressure loss warning:

Load condition	Driving distance possible in emergency mode
Partially laden	80 km
Fully laden	30 km

The driving distance possible in emergency mode may vary depending on the driving style. Observe the maximum permissible speed of 80 km/h.

If a tyre has gone flat and cannot be replaced with an MOExtended tyre, you can use a standard tyre as a temporary measure.

TIREFIT kit storage location

Depending on the vehicle's equipment, the storage bag for the TIREFIT kit is located in the luggage compartment or on the left side of the stowage net. Comply with the loading guidelines (→ page 119).

i You can find information on the power category (LK) and/or electrical data on the back of the tyre inflation compressor:

- LK2 – 12 V / 15 A, 180 W, 0.8 kg

At a distance of approximately 1 m to the tyre inflation compressor and approximately 1.6 m above the ground, the following sound pressure levels apply:

- Emissions sound pressure level L_{PA} 83 dB (A)
- Sound power level L_{WA} 91 dB (A)

The tyre inflation compressor is maintenance-free. If there is a malfunction, please contact a qualified specialist workshop.

Using the TIREFIT kit

Requirements:

- Tyre sealant bottle and tyre inflation compressor (→ page 471).
- TIREFIT sticker
- Gloves (depending on the vehicle equipment)

You can use TIREFIT tyre sealant to seal perforation damage of up to 4 mm, particularly those in the tyre contact surface. You can use TIREFIT in outside temperatures down to -20 °C.

⚠ WARNING Risk of accident when using tyre sealant

The tyre sealant may be unable to seal the tyre properly, especially in the following cases:

- there are cuts or punctures in the tyre larger than damage previously mentioned.
 - the wheel rim is damaged.
 - you have driven at very low tyre pressures or on a flat tyre.
- ▶ Do not drive on.
 - ▶ Consult a qualified specialist workshop.

⚠ WARNING Risk of injury and poisoning from tyre sealant

Tyre sealant is hazardous to health and causes irritation. Do not allow it to come into contact with your skin, eyes or clothing, and do not swallow it. Do not inhale any vapours. Keep the tyre sealant away from children.

Observe the following if you come into contact with the tyre sealant:

- ▶ Rinse off the tyre sealant from your skin using water immediately.
- ▶ If tyre sealant gets into your eyes, thoroughly rinse them using clean water immediately.
- ▶ If tyre sealant has been swallowed, thoroughly rinse out your mouth immediately and drink plenty of water. Do not induce vomiting and seek medical attention immediately.
- ▶ Change out of clothing which has come into contact with tyre sealant immediately.

▶ If an allergic reaction occurs, seek medical attention immediately.

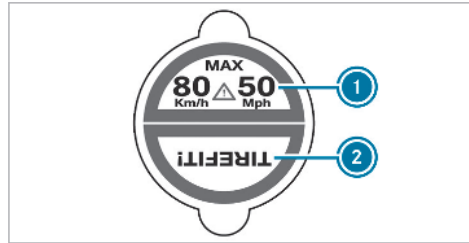
! **NOTE** Overheating due to the tyre inflation compressor running too long

▶ Do not run the tyre inflation compressor for longer than ten minutes without interruption.

Comply with the manufacturer's safety notes on the sticker on the tyre inflation compressor.

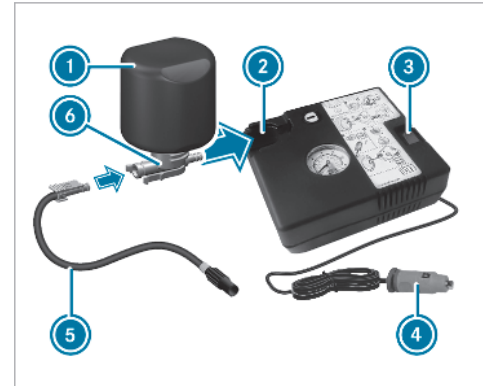
Have the tyre sealant bottle replaced in a qualified specialist workshop every five years.

▶ Do not remove any foreign objects which have entered the tyre.



▶ Affix part ① of the TIREFIT sticker to the instrument cluster within the driver's field of vision.

▶ Affix part ② of the TIREFIT sticker near the valve on the wheel with the defective tyre.



- ▶ Pull plug ④ with the cable and hose ⑤ out of the tyre inflation compressor housing.
- ▶ Push the plug of hose ⑤ into flange ⑥ of tyre sealant bottle ① until the plug engages.
- ▶ Place tyre sealant bottle ① head downwards into recess ② of the tyre inflation compressor.



- ▶ Remove the cap from valve ⑦ on the faulty tyre.
 - ▶ Screw filling hose ⑧ onto valve ⑦.
 - ▶ Insert plug ④ into a 12 V socket in your vehicle.
 - ▶ Switch on the ignition.
 - ▶ Switch on the tyre inflation compressor using the On/Off switch ③.
- The tyre is inflated. First, tyre sealant is pumped into the tyre. The pressure may briefly rise to approximately 500 kPa (5 bar/73 psi).

Do not switch off the tyre inflation compressor during this phase!

- ▶ Let the tyre inflation compressor run for a maximum of ten minutes. The tyre should then have attained a tyre pressure of at least 200 kPa (2.0 bar/29 psi).

If tyre sealant leaks out, make sure you clean the affected area as quickly as possible. It is preferable to use clean water.

If you get tyre sealant on your clothing, have it cleaned as soon as possible with perchloroethylene.

If, after ten minutes, a tyre pressure of 200 kPa (2.0 bar/29 psi) has not been attained:

- ▶ Switch off the tyre inflation compressor.
- ▶ Unscrew the filling hose from the valve of the defective tyre.

Please note that tyre sealant may leak out when unscrewing the filling hose.

- ▶ Drive forwards or reverse very slowly for approximately 10 m.

- ▶ Pump up the tyre again. After a maximum of ten minutes the tyre pressure must be at least 200 kPa (2.0 bar/29 psi).

▲ WARNING Risk of accident due to the specified tyre pressure not being attained

If the minimum tyre pressure is not reached after the specified time, the tyre is too badly damaged. The tyre sealant cannot repair the tyre in this instance.

The braking and driving characteristics may be greatly impaired.

- ▶ Do not continue driving.
- ▶ Consult a qualified specialist workshop.

If, after ten minutes, a tyre pressure of 200 kPa (2.0 bar/29 psi) has been attained:

- ▶ Switch off the tyre inflation compressor.
- ▶ Unscrew the filling hose from the valve of the defective tyre.

⚠ WARNING Risk of accident from driving with sealed tyres

A tyre temporarily sealed with tyre sealant impairs the handling characteristics and is not suitable for higher speeds.

- ▶ Adapt your driving style accordingly and drive carefully.
- ▶ Do not exceed the maximum speed limit with a tyre that has been repaired using tyre sealant.

- ▶ Observe the maximum permissible speed for a tyre sealed with tyre sealant 80 km/h.

! NOTE Staining from leaking tyre sealant

After use, excess tyre sealant may leak out from the filling hose.

- ▶ Therefore, place the filling hose in the plastic bag that contained the TIREFIT kit.

🌿 ENVIRONMENTAL NOTE Environmental pollution caused by environmentally irresponsible disposal

Tyre sealant contains pollutants.

- ▶ Have the tyre sealant bottle disposed of professionally, e.g. at a Mercedes-Benz Service Centre.

- ▶ Stow the tyre sealant bottle, the tyre inflation compressor and the warning triangle.
- ▶ Pull away immediately.
- ▶ Stop driving after approximately ten minutes and check the tyre pressure using the tyre inflation compressor. The tyre pressure must now be at least 130 kPa (1.3 bar/ 19 psi).

⚠ WARNING Risk of accident due to the specified tyre pressure not being attained

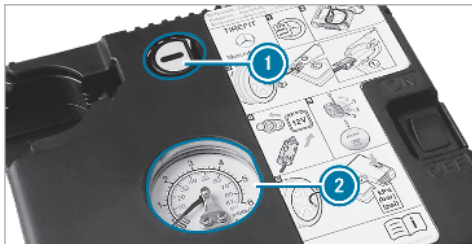
If the specified tyre pressure is not reached, the tyre is too badly damaged. The tyre sealant cannot repair the tyre in this instance.

The braking and driving characteristics may be greatly impaired.

- ▶ Do not continue driving.
- ▶ Consult a qualified specialist workshop.

Countries that have Mercedes-Benz Service24h: you will find a sticker with the telephone number, e.g. on the B-pillar on the driver's side.

- ▶ Correct the tyre pressure if it is still at least 130 kPa (1.3 bar/ 19 psi). See the tyre pressure table on the fuel filler flap for values.
- ▶ **To increase the tyre pressure:** switch on the tyre inflation compressor.



- ▶ **To reduce the tyre pressure:** press pressure release button ① next to manometer ②.
- ▶ When the tyre pressure is correct, unscrew the filling hose from the valve of the sealed tyre.
- ▶ Screw the valve cap onto the valve of the sealed tyre.
- ▶ Pull the tyre sealant bottle out of the tyre inflation compressor. The filling hose stays on the tyre sealant bottle.

- ▶ Drive to the nearest qualified specialist workshop and have the tyre, tyre sealant bottle and filling hose replaced there.

Battery (vehicle)

Notes on the 12 V battery

⚠ WARNING Risk of an accident due to work carried out incorrectly on the battery

Work carried out incorrectly on the battery can, for example, lead to a short circuit. This can restrict functions relevant for safety systems and impair the operating safety of your vehicle.

You could lose control of the vehicle in the following situations in particular:

- when braking
- in the event of abrupt steering manoeuvres and/or when the vehicle's speed is not adapted to the road conditions

- ▶ In the event of a short circuit or a similar incident, contact a qualified specialist workshop immediately.
- ▶ Do not drive on.
- ▶ Always have work on the battery carried out at a qualified specialist workshop.

- Further information on ABS (→ page 205)
- Further information on ESP® (→ page 205)

For safety reasons, Mercedes-Benz recommends that you only use batteries which have been tested and approved for your vehicle by Mercedes-Benz.

All vehicles except vehicles with a lithium-ion battery

⚠ WARNING Risk of explosion due to electrostatic charge

Electrostatic charge can ignite the highly explosive gas mixture in the battery.

- ▶ To discharge any electrostatic charge that may have built up, touch the metal

vehicle body before handling the battery.

The highly flammable gas mixture is created while the battery is charging and during starting assistance.

⚠ WARNING Danger of chemical burns from the battery acid

Battery acid is caustic.

- ▶ Avoid contact with the skin, eyes or clothing.
- ▶ Do not lean over the battery.
- ▶ Do not inhale battery gases.
- ▶ Keep children away from the battery.
- ▶ Immediately rinse battery acid off thoroughly with plenty of clean water and seek medical attention immediately.

All vehicles



ENVIRONMENTAL NOTE Environmental damage due to improper disposal of batteries



Batteries contain pollutants. It is illegal to dispose of them with the household rubbish.



Dispose of batteries in an environmentally responsible manner. Take discharged batteries to a qualified specialist workshop or to a collection point for used batteries.

If you have to disconnect the 12 V battery, contact a qualified specialist workshop.

Comply with safety notes and take protective measures when handling batteries.



Risk of explosion.



Fire, naked flames and smoking are prohibited when handling the battery. Avoid creating sparks.



Electrolyte or battery acid is corrosive. Avoid contact with the skin, eyes or clothing. Wear suitable protective clothing, in particular gloves, an apron and a face mask. Immediately rinse electrolyte or acid splashes off with clean water. Consult a doctor if necessary.



Wear safety glasses.



Keep children away.



Observe this Owner's Manual.

Observe the following if you do not intend to use the vehicle over an extended period of time:

- Activate standby mode.
- Alternatively: connect the battery to a battery charger approved by Mercedes-Benz or consult a qualified specialist workshop to disconnect the battery.

Notes on starting assistance and charging the 12 V battery

Vehicles with a lithium-ion battery

When charging the battery and during starting assistance, always use the jump-start connection point in the engine compartment.

! **NOTE** Damaging the battery through overvoltage

When using a battery charger without a maximum charging voltage, the battery or the vehicle electronics may be damaged.

- ▶ Only use battery chargers with a maximum charging voltage of 14.8 V.

All other vehicles

When charging the battery and during starting assistance, always use the jump-start connection point in the engine compartment.

! **NOTE** Damaging the battery through overvoltage

When using a battery charger without a maximum charging voltage, the battery or the vehicle electronics may be damaged.

- ▶ Only use battery chargers with a maximum charging voltage of 14.8 V.

! **WARNING** Risk of explosion from hydrogen gas igniting

There is a danger of hydrogen gas igniting when charging the battery if there is a short circuit or sparks start to form.

- ▶ Make sure that the positive terminal of the connected battery does not come into contact with vehicle parts.
- ▶ Never place metal objects or tools on a battery.
- ▶ The described order of the battery clamps must be observed when connecting and disconnecting the battery.
- ▶ When giving starting assistance, always make sure that you only connect battery terminals with identical polarity.
- ▶ During starting assistance, you must observe the described order for connecting and disconnecting the jump lead.
- ▶ Do not connect or disconnect the battery clamps while the engine is running.

⚠ WARNING Risk of explosion during charging process and starting assistance

During the charging process and starting assistance, the battery may release an explosive gas mixture.

- ▶ Avoid fire, naked flames, creating sparks and smoking.
- ▶ Make sure there is sufficient ventilation.
- ▶ Do not lean over a battery.

⚠ WARNING Risk of explosion from a frozen battery

A discharged battery may freeze at temperatures slightly above or below freezing point. During starting assistance or battery charging, battery gas can be released.

- ▶ Always allow a battery to thaw before charging it or performing starting assistance.

If the indicator/warning lamps in the instrument cluster do not light up at low temperatures, it is very likely that the discharged battery has frozen. In this case you may neither jump-start the vehicle nor charge the battery.

The service life of a battery that has been thawed may be dramatically shortened. The starting characteristics may be impaired, especially at low temperatures.

It is recommended that you have a thawed battery checked at a qualified specialist workshop.

All vehicles

! NOTE Damage caused by numerous or extended attempts to start the engine

Numerous or extended attempts to start the engine may damage the catalytic converter due to non-combusted fuel.

- ▶ Avoid numerous and extended attempts to start the engine.

Observe the following points during starting assistance and when charging the battery:

- Only use undamaged jump lead/charging cables with a sufficient cross-section and insulated terminal clamps.
- Non-insulated parts of the terminal clamps must not come into contact with other metal parts while the jump lead/charging cable is connected to the battery/jump-start connection point.
- The jump lead/charging cable must not come into contact with any parts which may move when the engine is running.
- Always make sure that neither you nor the battery is electrostatically charged.
- Keep away from fire and naked flames.
- Do not lean over the battery.

Observe the additional following points when charging the battery:

- Only use battery chargers tested and approved for Mercedes-Benz.
- Read the battery charger's operating instructions before charging the battery.

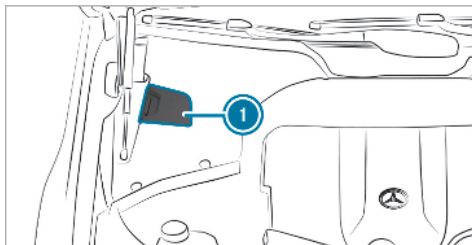
Observe the additional following points during starting assistance:

- Starting assistance may only be provided using vehicles, batteries or other jump start devices with a nominal voltage of 12 V.
- The vehicles must not touch.
- **Vehicles with a petrol engine:** jump-start the vehicle only when the engine and exhaust system are cold.

Starting assistance and charging the 12 V battery

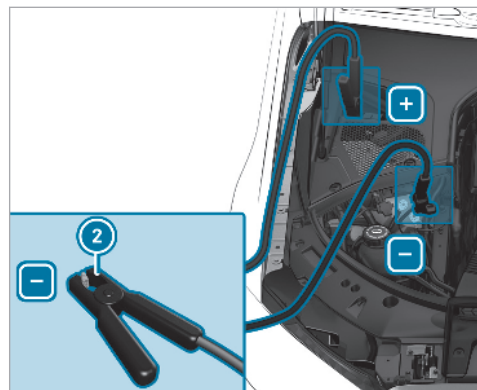
Preparing starting assistance/the charging process

- ▶ Secure the vehicle by applying the electric parking brake.
- ▶ Select transmission position **P**.
- ▶ Switch off the ignition and all electrical consumers.
- ▶ Open the bonnet.



- ▶ Open cover ① of the positive contact.

Starting assistance



- ▶ Connect the positive contacts of the vehicles with the jump lead. Start with your own vehicle first.
- ▶ Start the engine of the donor vehicle and run it at idling speed.
- ▶ Connect negative terminal ② of the donor battery to the earth point of your vehicle

using the jump lead. Start with the donor vehicle first.

- ▶ Start the engine of your own vehicle.
- ▶ Let the engines run for several minutes.
- ▶ Before disconnecting the jump leads, switch on an electrical consumer in your own vehicle, e.g. the rear window heater or the lighting.

When starting assistance has finished:

- ▶ First remove the jump lead from the earth point of your own vehicle and the negative pole of the donor battery, then remove the jump lead from the positive contacts of both vehicles. Always start with your own vehicle first.
- ▶ Close cover ❶ of the positive contact.

Further information can be obtained at a qualified specialist workshop.

Charging the 12 V battery

- ▶ Connect the positive contacts of the vehicle and the charger with the charging cable. Start with the vehicle first.
- ▶ Connect the negative contact of the charger and earth point ❷ on the vehicle with the charging cable. Start with the charger first.
- ▶ Start the charging process.

When the charging process is complete:

- ▶ Remove the charging cable from earth point ❷ on the vehicle and the negative contact of the charger first and then from the positive contacts on the vehicle and charger. Always start with the vehicle first.
- ▶ Close cover ❶ of the positive contact.

Replacing the 12 V battery

- ▶ Observe the notes on the 12 V battery (→ page 476).

Mercedes-Benz recommends that you have the 12 V battery replaced at a qualified specialist

workshop, e.g. at a Mercedes-Benz Service Centre.

Observe the following notes if you want to replace the battery yourself:

- Always replace a faulty battery with a battery which meets the specific vehicle requirements.

The vehicle is equipped with an AGM technology battery (Absorbent Glass Mat) or a lithium-ion battery. Full vehicle functionality is only guaranteed with an AGM battery or lithium-ion battery. For safety reasons, Mercedes-Benz recommends that you only use batteries which have been tested and approved for your vehicle by Mercedes-Benz.

- Carry over detachable parts, such as vent hoses, elbow fittings or terminal covers from the battery being replaced.
- Make sure that the vent hose is always connected to the original opening on the side of the battery.

Fit any existing or supplied cell caps.

Otherwise, gases or battery acid could escape.

- Make sure that detachable parts are reconnected in the same way.

Tow-starting or towing away

Permitted towing methods

! NOTE Damage from automatic braking

If one of the following functions is switched on, the vehicle brakes automatically in certain situations:

- Active Brake Assist
- Active Distance Assist DISTRONIC
- HOLD function
- Active Parking Assist

To avoid damage to the vehicle, deactivate these systems in the following or similar situations:

- ▶ During towing
- ▶ In a car wash

Mercedes-Benz recommends transporting your vehicle in the case of a breakdown, rather than towing it away.

For towing, use a tow rope or tow bar with both axles on the ground. Do not use tow bar systems (→ page 272).

! NOTE Damage to the vehicle due to towing away incorrectly

- ▶ Observe the instructions and notes on towing away.

Towing with a raised axle: towing should be performed by a towing company.

Permitted towing methods

Vehicles with automatic transmission

Both axles on the ground	Yes, maximum 50 km at 50 km/h
Front axle raised	No
Rear axle raised	Yes, if the steering wheel is fixed in the centre position with a steering wheel lock

4MATIC vehicles

Both axles on the ground	Yes, maximum 50 km at 50 km/h
Front axle raised	No
Rear axle raised	No

Towing the vehicle with both axles on the ground

- ▶ Observe the notes on the permitted towing methods (→ page 482).
- ▶ Make sure that the battery is connected and charged.

When the battery is discharged, the following actions cannot be performed:

- the engine cannot be started
 - the electric parking brake cannot be released or applied
 - the automatic transmission cannot be shifted to position **N** or **P**
- i** If the automatic transmission cannot be shifted to position **N** or the driver's display in the instrument cluster does not show anything, have the vehicle transported away (→ page 484). A towing vehicle with lifting equipment is required for vehicle transportation.

! **NOTE** Damage due to towing away at excessively high speeds or over long distances

The drivetrain could be damaged when towing at excessively high speeds or over long distances.

- ▶ A towing speed of 50 km/h must not be exceeded.
- ▶ A towing distance of 50 km must not be exceeded.

! **WARNING** Risk of accident when towing a vehicle which is too heavy

If the vehicle being tow-started or towed away is heavier than the permissible gross mass, the following situations can occur:

- the towing eye may become detached.
 - the car/trailer combination may swerve or even overturn.
- ▶ If another vehicle is tow-started or towed away, its weight must not exceed

the permissible gross mass of your own vehicle.

If a vehicle must be tow-started or towed away, its weight must not exceed the permissible gross mass of the towing vehicle.

- ▶ Information on the permissible gross mass of the vehicle can be found on the vehicle identification plate (→ page 562).
- ▶ Do not open the driver's door or front passenger door, otherwise the automatic transmission automatically shifts to position **P**.
- ▶ Fit the towing eye (→ page 485).
- ▶ Fasten the tow bar.

! **NOTE** Damage due to incorrect connection of the tow bar

- ▶ Only connect the tow rope or tow bar to the towing eyes.

i You can also attach the tow bar to the trailer hitch.

- ▶ Deactivate the automatic locking mechanism (→ page 74).
- ▶ Do not activate the HOLD function.
- ▶ Deactivate tow-away protection (→ page 95).
- ▶ Deactivate Active Brake Assist (→ page 215).
- ▶ Shift the automatic transmission to position **N**.
- ▶ Release the electric parking brake.

⚠ WARNING Risk of accident due to limited safety-related functions during the towing process

Safety-related functions are limited or no longer available in the following situations:

- the ignition is switched off.
- the brake system or power steering system is malfunctioning.
- the energy supply or the on-board electrical system is malfunctioning.

When your vehicle is then towed away, significantly more effort may be required to steer and brake than is normally required.

- ▶ Use a tow bar.
- ▶ Make sure that the steering wheel can move freely, before towing the vehicle away.

! **NOTE** Damage due to excessive tractive power

If you pull away sharply, the tractive power may be too high and the vehicles could be damaged.

- ▶ Pull away slowly and smoothly.

Loading the vehicle for transport

- ▶ Observe the notes on towing away (→ page 483).
- ▶ Connect the tow bar to the towing eye in order to load the vehicle.

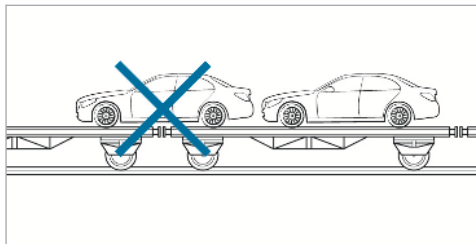
i You can also attach the tow bar to the trailer hitch.

- ▶ Shift the automatic transmission to position **N**.

i The automatic transmission may be locked in position **P** in the event of damage to the electrics. To shift to **N**, provide the on-board electrical system with power (→ page 480).

- ▶ Raise the vehicle in order to achieve greater ground clearance .
- ▶ Load the vehicle onto the transporter.
- ▶ Shift the automatic transmission to position **P**.
- ▶ Use the electric parking brake to secure the vehicle against rolling away.
- ▶ Only secure the vehicle by the wheels.

4MATIC vehicles

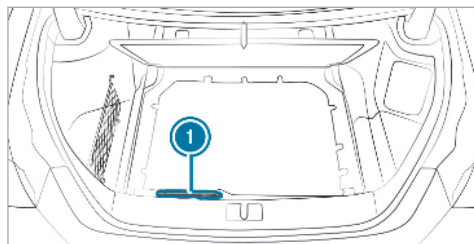


- ▶ Make sure that the front and rear axles come to rest on the same transportation vehicle.

! **NOTE** Damage to the drivetrain due to incorrect positioning

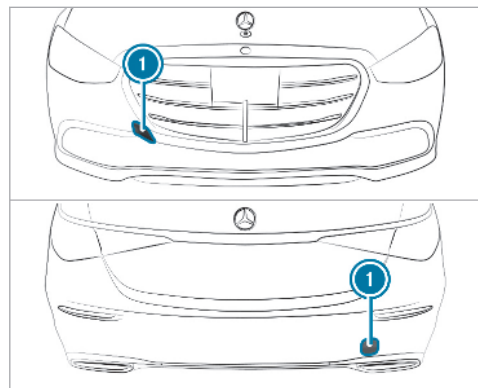
- ▶ Do not position the vehicle above the connection point of the transport vehicle.

Towing eye storage location



Towing eye ① is located with the vehicle tool kit under the boot floor.

Installing the towing eye



- ▶ Press the mark on cover ① inwards and remove.
- ▶ Screw in the towing eye clockwise as far as it will go and tighten.

Vehicles with a trailer hitch: vehicles with a trailer hitch do not have a rear bracket for the

towing eye. Fasten the tow bar to the trailer hitch.

- ① Make sure that cover ① engages in the bumper when you remove the towing eye.

! **NOTE** Damage to the vehicle due to incorrect use of the towing eye

When a towing eye is used to recover a vehicle, the vehicle may be damaged in the process.

- ▶ Only use the towing eye to tow away or tow start the vehicle.

Tow-starting the vehicle (emergency engine start)

! **NOTE** Damage to the automatic transmission due to tow-starting

The automatic transmission may be damaged in the process of tow-starting vehicles with automatic transmission.

- ▶ Vehicles with automatic transmission must not be tow-started.

- ▶ Do not tow-start the vehicle.

Electrical fuses

Notes on electrical fuses

! **WARNING** Risk of accident and injury due to overloaded lines

If you manipulate or bridge a faulty fuse or if you replace it with a fuse with a higher amperage, the electric line could be overloaded.

This could result in a fire.

- ▶ Always replace faulty fuses with specified new fuses containing the correct amperage.

! **NOTE** Damage due to incorrect fuses

Electrical components or systems may be damaged by incorrect fuses, or their functionality may be significantly impaired.

- ▶ Only use fuses that have been approved by Mercedes-Benz and which have the correct fuse rating.

Blown fuses must be replaced with fuses of the same rating, which you can recognise by the colour and fuse rating. The fuse ratings and further information to be observed can be found in the fuse assignment diagram.

Fuse assignment diagram: in the vehicle document wallet.

! **NOTE** Damage or malfunctions caused by moisture

Moisture may cause damage to the electrical system or cause it to malfunction.

- ▶ When the fuse box is open, make sure that no moisture can enter the fuse box.
- ▶ When closing the fuse box, make sure that the seal of the lid is positioned correctly on the fuse box.

If the newly inserted fuse also blows, have the cause traced and rectified at a qualified specialist workshop.

Ensure the following before replacing a fuse:

- The vehicle is secured against rolling away.
- All electrical consumers are switched off.
- The ignition is switched off.

The electrical fuses are located in the following fuse boxes:

- Fuse box in the engine compartment on the driver's side (→ page 487)
- Fuse box on the driver's side of the cockpit (→ page 489)
- Fuse box in the front passenger footwell (→ page 489)

- Fuse box in the boot on the right-hand side of the vehicle, when viewed in the direction of travel (→ page 490)

Opening and closing the fuse box in the engine compartment

Requirements:

- Observe the notes on electrical fuses (→ page 486).
- Have the following tools readily available:
 - a dry cloth
 - a screwdriver

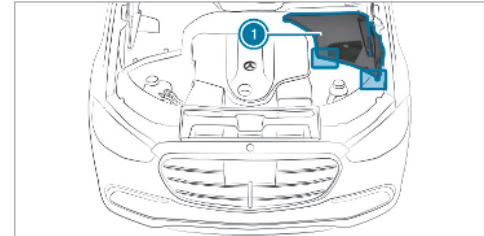
Opening

- ⓘ Depending on the vehicle equipment, access to the fuse box may be limited. Mercedes-Benz recommends consulting a qualified specialist workshop, e.g. a Mercedes-Benz Service Centre.

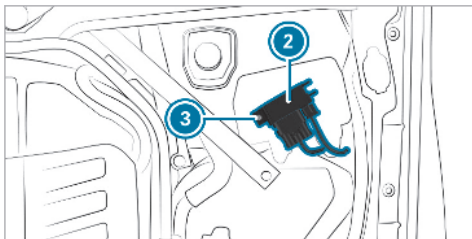
⚠ WARNING Risk of injury from using the windscreen wipers while the engine bonnet is open

When the engine bonnet is open, and the windscreen wipers are set in motion, you can be trapped by the wiper linkage.

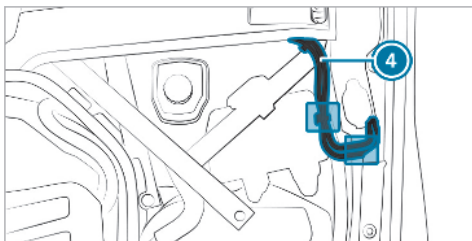
- ▶ Always switch off the windscreen wipers and ignition before opening the engine bonnet.



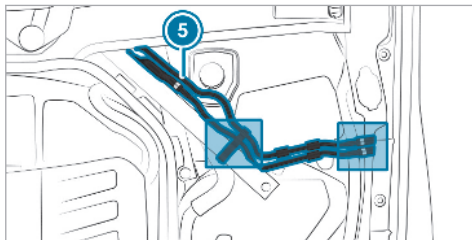
- ▶ Release the rotary catches on cover ① and pull the cover up and out.
- ▶ Remove any existing moisture from the fuse box using a dry cloth.



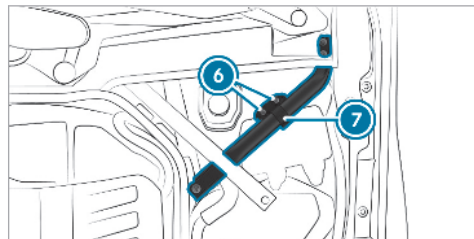
- ▶ Depending on the vehicle equipment, there may be an electrical component ② on the fuse box lid. If present, unscrew screw ③ and put the component to the side without disconnecting the electrical connection.



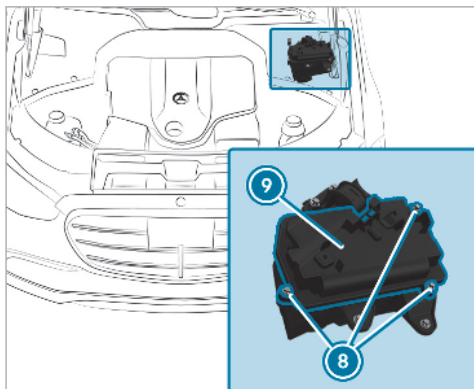
- ▶ If present, release hoses ④ from the retaining clips on the fuse box and vehicle body.



- ▶ If present, release hoses ⑤ from the retaining clips in the engine compartment and vehicle body.



- ▶ Unscrew screws ⑥ and fold out bar ⑦.



- ▶ Unscrew screws **8** and remove fuse box lid **9** to the side.

Closing

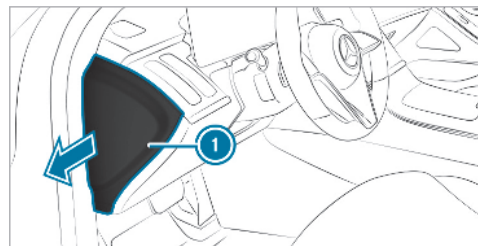
- ▶ Check whether the seal is positioned correctly in lid **9**.
- ▶ Place lid **9** on the fuse box and tighten screws **8**.
- ▶ Fold back bar **7** and tighten screws **6**.

- ▶ If present, engage hoses **5** in the retaining clips in the engine compartment and vehicle body.
- ▶ If present, engage hoses **4** in the retaining clips on the fuse box and vehicle body.
- ▶ If present, insert electrical component **2** into the holder on the fuse box lid and tighten screws **3**.
- ▶ Insert cover **1** and engage the rotary catches.

Opening and closing the fuse box in the cockpit

Requirements:

- Observe the notes on electrical fuses (→ page 486).

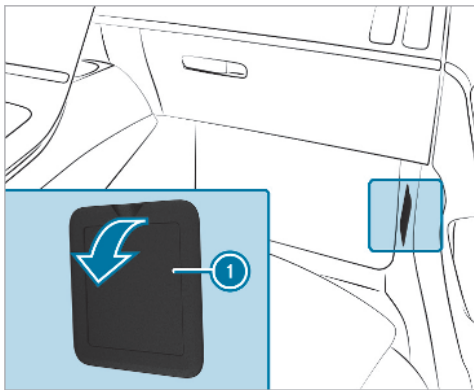


- ▶ Open cover **1** in the direction of the arrow and remove it.

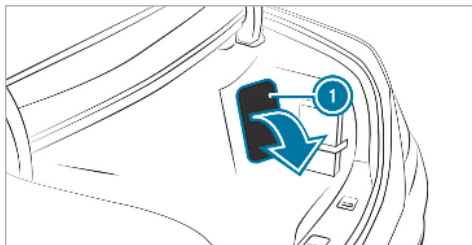
Opening and closing the fuse box in the front passenger footwell

Requirements:

- Observe the notes on electrical fuses (→ page 486).



- ▶ Open cover ① in the direction of the arrow and remove it.



- ▶ Fold cover ① down in the direction of the arrow.

Opening and closing the fuse box in the boot

Requirements:

- Observe the notes on electrical fuses (→ page 486).

Notes on noise or unusual handling characteristics

Make sure there are no vibrations, noises or unusual handling characteristics when the vehicle is in motion. This may indicate that the wheels or tyres are damaged. Hidden tyre damage could also be causing the unusual handling characteristics.

If you suspect that a tyre is defective, reduce your speed immediately and have the tyres and wheels checked at a qualified specialist workshop.

Notes on regularly inspecting wheels and tyres

⚠ WARNING Risk of injury through damaged tyres

Damaged tyres can cause tyre pressure loss.

- ▶ Check the tyres regularly for signs of damage and replace any damaged tyres immediately.

⚠ WARNING Risk of aquaplaning due to insufficient tyre tread

Insufficient tyre tread will result in reduced tyre grip.

The risk of aquaplaning is increased on wet roads, especially when the speed of the vehicle is not adapted to suit the conditions.

- ▶ Thus, you should regularly check the tread depth and the condition of the tyre contact surface across the entire width of all tyres.

Minimum tread depth for:

- Summer tyres: 3 mm
- M+S tyres: 4 mm
- ▶ For safety reasons, replace the tyres before the legally-prescribed limit for the minimum tread depth is reached.

Carry out the following checks on all wheels regularly, at least once a month or as required, for example, prior to a long journey or driving off-road:

- Check the tyre pressure (→ page 492).
- Visually inspect wheels and tyres for damage.
- Check the valve caps.
- Visual check of the tyre tread depth and the tyre contact surface across the entire width.
The minimum tread depth for summer tyres is 3 mm and for winter tyres 4 mm.

Notes on snow chains

⚠ WARNING Risk of accident due to incorrect snow chain fitting

If you have fitted snow chains to the front wheels, the snow chains may drag against the vehicle body or chassis components.

This could cause damage to the vehicle or the tyres.

- ▶ Never fit snow chains on the front wheels.
- ▶ Only fit snow chains on the rear wheels in pairs.

Observe the following notes when using snow chains:

- Snow chains are only permissible for certain wheel/tyre combinations. You can obtain information about this from a Mercedes-Benz Service Centre.
- For safety reasons, only use snow chains that have been specifically approved for your vehicle by Mercedes-Benz, or snow chains with the same quality standard.
- If snow chains are fitted, the maximum permissible speed is 50 km/h.
- **Vehicles with Active Parking Assist:** do not use Active Parking Assist when snow chains are fitted.
- **Vehicles with level control:** if snow chains are fitted, only drive at raised vehicle level .

- **Vehicles with rear axle steering:** if snow chains are fitted, only drive with snow chain mode active (→ page 492).

- ① You can permanently limit the maximum vehicle speed for driving with winter tyres (→ page 219).
- ① You can deactivate ESP® to pull away (→ page 207). This allows the wheels to spin, achieving an increased driving force.

Activating or deactivating snow chain mode

Multimedia system:

↳    [Vehicle quick-access](#)

▶ Activate or deactivate [Snow chain mode](#).

When the function is active, the vehicle behaves as if snow chains are mounted. For example, the maximum steering movement of the rear wheels is limited.

Tyre pressure

Notes on tyre pressure

⚠ WARNING Risk of accident due to insufficient or excessive tyre pressure

Underinflated or overinflated tyres pose the following risks:

- The tyres may burst, especially as the load and vehicle speed increase.
- The tyres may wear excessively and/or unevenly, which may greatly impair tyre traction.
- The driving characteristics, as well as steering and braking, may be greatly impaired.

▶ Comply with the recommended tyre pressure and check the tyre pressure of all tyres including the spare wheel regularly:

- at least once a month
- when the load changes

- before embarking on a longer journey
 - if operating conditions change, e.g. off-road driving
- ▶ Adjust the tyre pressure as necessary.

Tyre pressure which is too high or too low can:

- Shorten the service life of the tyres.
- Cause increased tyre damage.
- Adversely affect driving characteristics and thus driving safety, e.g. due to aquaplaning.

⚠ WARNING Risk of accident from repeated tyre pressure drop

If the tyre pressure drops repeatedly, the wheel, valve or tyre may be damaged.

Insufficient tyre pressure can cause the tyres to burst.

- ▶ Inspect the tyre for signs of foreign objects.
- ▶ Check whether the wheel or valve has a leak.

- ▶ If you are unable to rectify the damage, contact a qualified specialist workshop.

Information on the recommended tyre pressure for the vehicle's factory-fitted tyres can be found on the tyre pressure table on the inside of the fuel filler flap (→ page 493).

Use a suitable pressure gauge to check the tyre pressure. The outer appearance of a tyre does not permit any reliable conclusion about the tyre pressure.

Only correct tyre pressures when the tyres are cold. Conditions for cold tyres:

- The vehicle has been parked with the tyres out of direct sunlight for at least three hours.
- The vehicle has travelled less than 1.6 km.

The vehicle's tyres heat up when driving. As the temperature of the tyres increases, so too does the tyre pressure.

Vehicles with a tyre pressure monitoring system: you can also check the tyre pressure using the on-board computer.

Notes on trailer operation

Always inflate the rear axle tyres to the recommended tyre pressures on the tyre pressure table for increased load.

Tyre pressure table


The tyre pressure table is on the inside of the fuel filler flap.

100 kPa = 1 bar

		kPa		psi	
Front axle	without trailer	2.3	3.3	33	48
	with trailer	2.3	3.3	33	48
Rear axle	without trailer	2.3	3.3	33	48
	with trailer	2.3	3.3	33	48

A 213 584 37 03 1234567

If one or more tyre sizes precede a tyre pressure, the following tyre pressure information is only valid for those tyre sizes and their respective load condition.

If the preceding tyre sizes are complemented by the  symbol, the tyre pressure information following shows alternative tyre pressures. Fuel consumption may then increase slightly.

The load conditions "partially laden" and "fully laden" are defined in the table for different numbers of passengers and amounts of luggage. The actual number of seats may differ from this.


Tyre pressure monitoring system

Function of the tyre pressure monitoring system

The tyre pressure and the tyre temperature appear in the multifunction display (→ page 494).

If there is a substantial pressure loss or if the tyre temperature is excessive, you will be warned in the following ways:

- via display messages (→ page 626)

- via the  warning lamp in the instrument cluster (→ page 649)

The tyre pressure monitoring system is only an aid. It is the driver's responsibility to set the tyre pressure to the recommended cold tyre pressure suitable for the operating situation.

In most cases, the tyre pressure monitoring system will automatically update the new reference values after you have changed the tyre pressure. You can, however, also update the reference values by restarting the tyre pressure monitoring system manually (→ page 495).

System limits

The system may be impaired or may not function in the following situations:

- the tyre pressure has been set incorrectly
- there is a sudden pressure loss caused, for example, by a foreign object penetrating the tyre
- there is a malfunction caused by another radio signal source

Checking the tyre pressure with the tyre pressure monitoring system

Requirements:

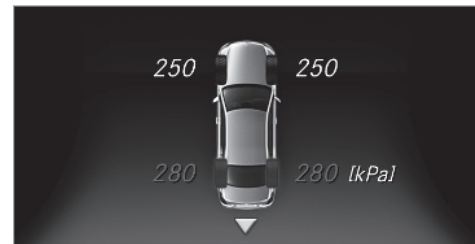
- The ignition is switched on.

On-board computer:

   Reifendruck

One of the following displays appears:

- Current tyre pressure of each wheel:



- Tyre pressures will be displayed after a few minutes of driving
- Tyre pressure monitor active: the teach-in process of the system is not yet complete.

The tyre pressures are already being monitored.

- ▶ Compare the tyre pressure with the recommended tyre pressure for the current operating condition (→ page 493). Observe the notes on tyre temperature (→ page 492).
- ⓘ The values displayed in the multifunction display may deviate from those of the tyre pressure gauge as they refer to sea level. At high altitudes, the tyre pressure values indicated by a pressure gauge are higher than those shown by the on-board computer. In this case, do not reduce the tyre pressure.

Be sure to also pay attention to the following related topic:

- Notes on tyre pressure (→ page 492)

Restarting the tyre pressure monitoring system

Requirements:


- The recommended tyre pressure is correctly set for the respective operating status on each of the four wheels (→ page 492).

Restart the tyre pressure monitoring system in the following situations:

- The tyre pressure has changed.
- The wheels or tyres have been changed or newly fitted.

On-board computer:

→  ▶ Tyre pressure

- ▶ Swipe downwards on Touch Control on the left-hand side of the steering wheel. The **Use current tyre pressures as new reference values?** message is shown in the multifunction display.
- ▶ Press **OK** to confirm the restart. The **Tyre pressure monitor restarted** message is shown in the multifunction display. Current warning messages are deleted and the yellow  warning lamp goes out. After you have been driving for a few minutes, the system checks whether the current tyre pressures are within the specified range. The current tyre pressures are then accepted as reference values and monitored.

Be sure to also pay attention to the following related topic:

- Notes on tyre pressure (→ page 492)

Wheel change

Notes on selecting, fitting and replacing tyres

⚠ WARNING Risk of accident due to incorrect dimensions of wheels and tyres

If wheels and tyres of the wrong size are used, the wheel brakes or wheel suspension components may become damaged.

- ▶ Always replace wheels and tyres with those that fulfil the specifications of the original part.

When replacing wheels, make sure to fit the correct:

- Designation
- Type

When replacing tyres, make sure to fit the correct:

- Designation
- Manufacturer
- Type

⚠ WARNING Risk of injury through exceeding the specified tyre load-bearing capacity or the permissible speed rating

Exceeding the load-bearing capacity of the tyres can lead to tyre damage and could cause the tyres to explode.

- ▶ Therefore, only use tyre types and sizes approved for your vehicle model.
- ▶ Observe the tyre load-bearing capacity rating and speed rating required for your vehicle.

! **NOTE** Vehicle and tyre damage through tyre types and sizes that have not been approved

For safety reasons, only use tyres, wheels and accessories which have been specially approved by Mercedes-Benz for your vehicle.

These tyres are specially adapted to the control systems, such as ABS, ESP® and 4MATIC, and marked as follows:

- MO = Mercedes-Benz Original
- MOE = Mercedes-Benz Original Extended (run-flat tyres only for certain wheels)
- MO1 = Mercedes-Benz Original (only certain AMG tyres)

Certain characteristics, such as handling, vehicle noise emissions, consumption, etc. may otherwise be adversely affected. Furthermore, other tyre sizes could result in the tyres rubbing against the body and axle components when loaded. This could result in damage to the tyre or the vehicle.

Only use tyres, wheels and accessories that have been checked and recommended by Mercedes-Benz.

! **NOTE** Risk to driving safety from retreaded tyres

Retreaded tyres are neither tested nor recommended by Mercedes-Benz, since previous damage cannot always be detected on retreaded tyres.

For this reason driving safety cannot be guaranteed.

- ▶ Do not use used tyres if you have no information about their previous usage.

! **NOTE** Possible damage to wheels or tyres when driving over obstacles

Large wheels have a lower tyre section width. The lower the tyre section width, the greater is the risk of damage to wheels or tyres when driving over obstacles.

- ▶ Avoid obstacles or drive particularly carefully.

! **NOTE** Possible wheel and tyre damage when parking on kerbs or in potholes

Parking on kerbs or in potholes may damage the wheels and tyres.

- ▶ If possible, park only on flat surfaces.
- ▶ Avoid kerbs and potholes when parking.

! **NOTE** Damage to electronic component parts from the use of tyre-fitting tools

Vehicles with a tyre pressure monitoring system: electronic component parts are located in the wheel. Tyre-fitting tools should not be applied in the area of the valve.

The tools could damage the electronic component parts.

- ▶ Have the tyres changed at a qualified specialist workshop only.

! **NOTE** Damage to summer tyres at low ambient temperatures

At low ambient temperatures, tears could form when driving with summer tyres, causing permanent damage to the tyre.

- ▶ At temperatures below 7 °C, use M+S tyres.

Accessory parts that are not approved for your vehicle by Mercedes-Benz or are not being used correctly can impair the operating safety.

Before purchasing and using non-approved accessories, visit a qualified specialist workshop and enquire about:

- Suitability
- Legal stipulations
- Factory recommendations

! **WARNING** Risk of accident with high performance tyres

There is an increased risk of skidding and aquaplaning when using sport tyres on wet roads.


In addition, the tyre grip is greatly reduced at a low outside temperature and tyre running temperature.

- ▶ Activate ESP® and adapt your driving style accordingly.
- ▶ Use M+S tyres at outside temperatures below 10 °C.
- ▶ Only use the tyres for their intended purpose.


Observe the following when selecting, fitting and replacing tyres:

- Country-specific requirements for tyre approval that define a specific tyre type for your vehicle.
- Only use tyres and wheels of the same type (summer tyres, winter tyres, MOExtended tyres) and the same make.
- Only fit wheels of the same size on one axle (left and right).

It is only permissible to fit a different wheel size in the event of a flat tyre in order to drive to the specialist workshop.

- Do not make any modifications to the brake system, the wheels or the tyres.
The use of shims or brake dust shields is not permitted and may invalidate the vehicle's general operating permit.
- **Vehicles with a tyre pressure monitoring system:** all fitted wheels must be equipped with functioning sensors for the tyre pressure monitoring system.
- At temperatures below 7 °C, use winter tyres or all-season tyres marked M+S for all wheels.
Winter tyres bearing the  snowflake symbol in addition to the M+S marking provide the best possible grip in wintry road conditions.
- For M+S tyres, only use tyres with the same tread.
- Observe the maximum permissible speed for the M+S tyres fitted.
If the tyre's maximum speed is below that of the vehicle, this must be indicated by an

appropriate label in the driver's field of vision.

- Run in new tyres at moderate speeds for the first 100 km.
 - Replace the tyres after six years at the latest, regardless of wear.
 - **When replacing with tyres that do not feature run-flat characteristics:** vehicles with MOExtended tyres are not equipped with a TIREFIT kit at the factory. Equip the vehicle with a TIREFIT kit after replacing with tyres that do not feature run-flat characteristics, e.g. winter tyres.
-  You can permanently limit the maximum vehicle speed for driving with winter tyres (→ page 219).


For more information on wheels and tyres, contact a qualified specialist workshop.

Be sure to also observe the following further related subjects:

- Notes on tyre pressure (→ page 492)
- Tyre pressure table (→ page 493)


- Notes on the emergency spare wheel (→ page 505)

Notes on interchanging wheels

 **WARNING** Risk of injury through different wheel sizes

Interchanging the front and rear wheels if the wheels or tyres have different dimensions may severely impair the driving characteristics.

The disk brakes or wheel suspension components may also be damaged.

 Rotate front and rear wheels only if the wheels and tyres are of the same dimensions.

Interchanging the front and rear wheels if the wheels or tyres have different dimensions can render the general operating permit invalid.

The wear patterns on the front and rear wheels differ:

- Front wheels wear more on the shoulder of the tyre
- Rear wheels wear more in the centre of the tyre

Do not drive with tyres that have too little tread depth. This significantly reduces traction on wet roads (aquaplaning).

On vehicles with the same front and rear wheel size, you can interchange the wheels every 5,000 to 10,000 km, depending on the wear. Ensure the direction of rotation is maintained for the wheels.

Observe the instructions and safety notes on "Changing a wheel" when doing so (→ page 500).

Notes on storing wheels

When storing wheels, observe the following notes:

- After removing wheels, store them in a cool, dry and preferably dark place.

- Protect the tyres from contact with oil, grease or fuel.

Overview of the tyre-change tool kit

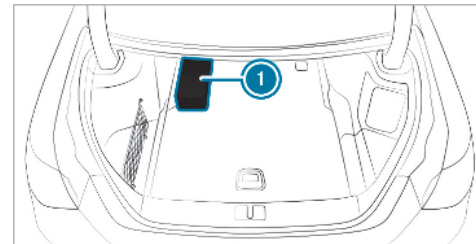
Apart from some country-specific variants, vehicles are not equipped with a tyre-change tool kit. For more information on which tyre-changing tools are required and approved for performing a wheel change on your vehicle, consult a qualified specialist workshop.

Required tyre-change tools may include, for example:

- Jack
- Chock
- Wheel wrench

i The jack weighs approximately 3.4 kg. The maximum load capacity of the jack can be found on the sticker affixed to the jack. The jack is maintenance-free. If there is a malfunction, please contact a qualified specialist workshop.

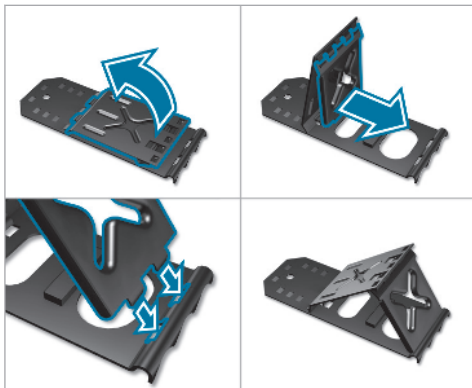
The tyre-change tool kit is located in tool bag **1** on the boot floor.



Tool bag contains:

- Jack
- Gloves
- Wheel wrench
- Centring pin
- Folding chock
- Ratchet for jack

Setting up the folding chock



Preparing the vehicle for a wheel change

Requirements:

- The required tyre-change tool kit is available. If your vehicle is not equipped with the tyre-change tool kit, consult a qualified specialist workshop to find out about suitable tools.

- The vehicle is not on a slope.
- The vehicle is on solid, non-slippery and level ground.

- ▶ Apply the electric parking brake manually.
- ▶ Move the front wheels to the straight-ahead position.
- ▶ **Vehicles with automatic transmission:** shift into position **P**.
- ▶ **Vehicles with level control system:** set the normal vehicle level (→ page 234).
- ▶ Switch off the engine.
- ▶ Make sure that the engine cannot be started.
- ▶ Place chocks or other suitable items under the front and rear of the wheel that is diagonally opposite the wheel you wish to change.
- ▶ Remove the hub caps if necessary (→ page 500).
- ▶ Raise the vehicle (→ page 501).

Removing and fitting hub caps

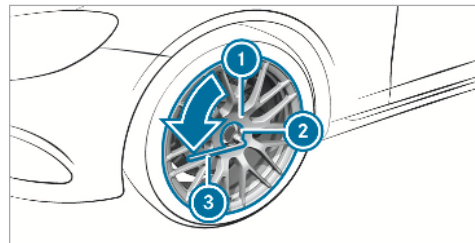
Requirement:

- The vehicle is prepared for a wheel change (→ page 500).

Plastic hub cap

- ▶ **To remove:** turn the centre cover of the hub cap anti-clockwise and remove the hub cap.
- ▶ **To fit:** make sure that the centre cover of the hub cap is turned anti-clockwise.
- ▶ Position the hub cap and turn the centre cover clockwise until the hub cap engages physically and audibly.

Aluminium hub cap



▶ **To remove:** position socket ② on hub cap ①.

① The socket can be found in the tyre-change tool kit.

▶ Position wheel spanner ③ on socket ②.

▶ Using wheel spanner ③, turn hub cap ① anti-clockwise and remove it.

▶ **To fit:** follow the instructions above in reverse order.

① **Specified tightening torque:** 25 Nm.

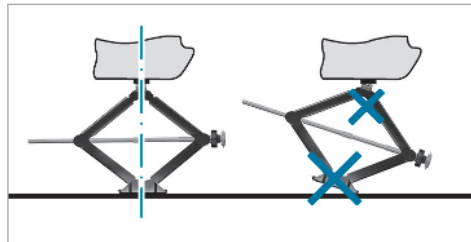
Raising the vehicle when changing a wheel

Requirements:

- There are no persons in the vehicle.
- The vehicle has been prepared for a wheel change (→ page 500).
- The hub caps have been removed (→ page 500).

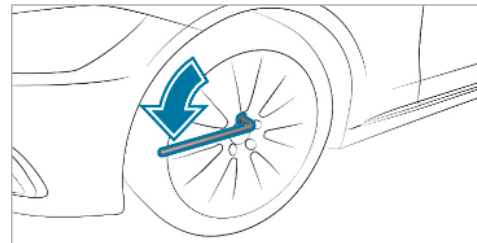
Important notes on using the jack:

- Use only a vehicle-specific jack that has been approved by Mercedes-Benz to raise the vehicle.
- The jack is only designed for raising and holding the vehicle for a short time while a wheel is being changed and not for maintenance work under the vehicle.
- The jack must be placed on a firm, flat and non-slip surface.
- The foot of the jack must be positioned vertically under the jack support point.

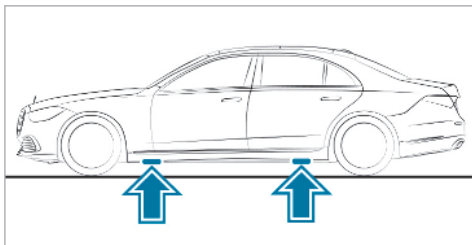


Rules of conduct when the vehicle is raised:

- Never place your hands or feet under the vehicle.
- Never lie under the vehicle.
- Do not start the engine and do not release the electric parking brake.
- Do not open or close any doors or the boot lid.



▶ Using the wheel wrench, loosen the wheel bolts on the wheel you wish to change by about one full turn. Do not unscrew the bolts completely.



Position of jack support points

⚠ WARNING Risk of injury from incorrect positioning of the jack

If you do not position the jack correctly at the appropriate jacking point of the vehicle, the jack could tip with the vehicle raised.

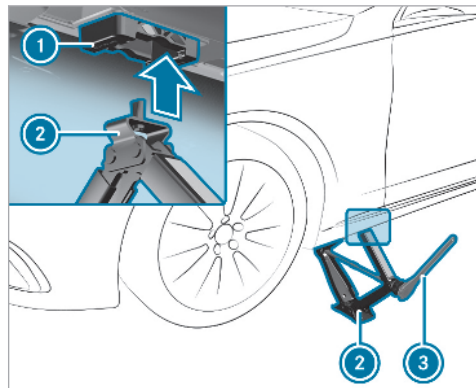
- ▶ Only position the jack at the appropriate jacking point of the vehicle. The base of the jack must be positioned vertically under the jacking point of the vehicle.

! NOTE Vehicle damage from the jack

If you do not position the jack correctly at the appropriate jack support point of the vehicle, the jack could tip over with the vehicle raised.

- ▶ The jack is designed exclusively for jacking up the vehicle at the jack support points.

- ▶ Take the ratchet ring spanner out of the tyre-change tool kit and place it on the hexagon of the jack so that the letters "AUF" are visible.



- ▶ Position jack ② at jack support point ①.
- ▶ Turn ratchet ring spanner ③ clockwise until jack ② sits completely on jack support point ① and the base of the jack lies evenly on the ground.
- ▶ Continue to turn ratchet ring spanner ③ until the tyre is raised a maximum of 3 cm off the ground.
- ▶ Loosen and remove the wheel (→ page 503).

Removing a wheel

Requirements:

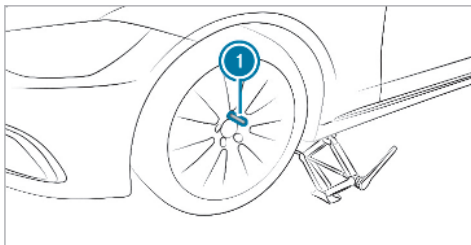
- The vehicle is raised (→ page 501).

When changing a wheel, avoid applying any force to the brake discs, since this could impair the level of comfort when braking.

! **NOTE** Damage to threading from dirt on wheel bolts

▶ Do not place wheel bolts in sand or on a dirty surface.

▶ Unscrew the uppermost wheel bolt completely.



- ▶ Screw centring pin ① into the thread instead of the wheel bolt.
- ▶ Unscrew the remaining wheel bolts completely.
- ▶ Remove the wheel.
- ▶ Fit the new wheel (→ page 503).

Fitting a new wheel

! **WARNING** Risk of accident from losing a wheel

Oiled or greased wheel bolts can cause the wheel bolts to come loose, as too can damaged wheel bolts or wheel hub threads.

- ▶ Never oil or grease the threads.
- ▶ In the event of damage to the threads, contact a qualified specialist workshop immediately.
- ▶ Have the damaged wheel bolts or damaged hub threads replaced.
- ▶ Do not continue driving.

▶ Observe the information on the choice of tyres (→ page 495).

For tyres with a specified direction of rotation, an arrow on the side wall of the tyre indicates the correct direction of rotation. Observe the direction of rotation when fitting.

- ▶ Slide the wheel to be mounted onto the centring pin and push it on.

⚠ WARNING Risk of injury from tightening wheel bolts and nuts

If you tighten the wheel bolts or wheel nuts when the vehicle is raised, the jack could tip.

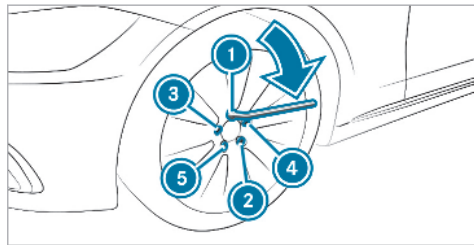
- ▶ Only tighten wheel bolts or wheel nuts when the vehicle is on the ground.

- ▶ Be sure to observe the instructions and safety notes on "Changing a wheel" (→ page 495).
- ▶ For safety reasons, only use wheel bolts which have been approved by Mercedes-Benz and for the wheel in question.
- ▶ Tighten the wheel bolts evenly in a diagonal pattern in the order indicated until they are finger-tight.
- ▶ Unscrew and remove the centring pin.
- ▶ Tighten the last wheel bolt until it is finger-tight.
- ▶ Lower the vehicle (→ page 504).

Lowering the vehicle after a wheel change

Requirements:

- The new wheel has been fitted (→ page 503).
- ▶ **To lower the vehicle:** place the ratchet onto the hexagon nut of the jack so that the letters "AB" are visible and turn the ratchet of the jack to the left.



- ▶ Tighten the wheel bolts evenly in a diagonal pattern in the order indicated ① to ⑤ with a maximum of 80 Nm.

- ▶ Tighten the wheel bolts evenly in a diagonal pattern in the order indicated ① to ⑤ the specified tightening torque of 150 Nm.

⚠ WARNING Risk of injury through incorrect tightening torque

The wheels could come loose if the wheel bolts or wheel nuts are not tightened to the prescribed tightening torque.

- ▶ Ensure that the wheel bolts or nuts are tightened to the prescribed tightening torque.
- ▶ If you are not sure, do not move the vehicle. Consult a qualified specialist workshop and have the tightening torque checked immediately.

- ▶ Check the tyre pressure of the newly fitted wheel and adjust it if necessary.
- ▶ **Vehicles with a tyre pressure monitoring system:** restart the tyre pressure monitoring system (→ page 495).
Exception: the new wheel is an emergency spare wheel.

Emergency spare wheel

Notes on the emergency spare wheel

⚠ WARNING Risk of accident caused by incorrect wheel and tyre dimensions

The emergency spare wheel or spare wheel can significantly impair driving characteristics of the vehicle.

To prevent hazardous situations:

- ▶ Drive carefully.
- ▶ Never fit more than one emergency spare wheel or spare wheel that differs in size.
- ▶ Only use an emergency spare wheel or spare wheel briefly.
- ▶ Do not deactivate ESP®.
- ▶ Have the emergency spare wheel or spare wheel of a different size replaced at the nearest qualified specialist workshop. The new wheel must have the correct dimensions.

Check the tyre pressure of the emergency spare wheel fitted. Correct the pressure as necessary.

The maximum permissible speed with an emergency spare wheel fitted is 80 km/h.

Do not fit the emergency spare wheel with snow chains.

Replace the emergency spare wheel after six years at the latest, regardless of wear.

i Vehicles with a tyre pressure monitoring system: if an emergency spare wheel is fitted the tyre pressure monitoring system cannot function reliably. For a few minutes after an emergency spare wheel is fitted, the system may still display the tyre pressure of the removed wheel. Only restart the system again when the emergency spare wheel has been replaced with a new wheel.

Be sure to also observe the following further related subjects:

- Notes on tyre pressure (→ page 492)
- Tyre pressure table (→ page 493)
- Notes on fitting tyres (→ page 495)

Notes on technical data

The technical data was determined in accordance with EU Directives. The data stated only applies to vehicles with standard equipment. You can obtain further information from a Mercedes-Benz Service Centre.

Only for certain countries: you can find vehicle-specific vehicle data in the COC documents (CERTIFICATE OF CONFORMITY). These documents are delivered with your vehicle.

On-board electronics

Notes on tampering with the engine electronics

! **NOTE** Premature wear through improper maintenance

Improper maintenance may cause vehicle components to wear more quickly and the vehicle's operating permit may be invalidated.

▶ Always have work on the engine electronics and related components carried out at a qualified specialist workshop.

! **NOTE** Increased wear and tear or damage caused by measures undertaken to increase performance

Engine management measures undertaken to increase performance can lead to increased wear and tear or damage to the drive system.

▶ Do not undertake engine management measures to increase performance.

Two-way radios

Notes on fitting two-way radios

! **WARNING** Risk of accident due to improper work on two-way radios

The electromagnetic radiation from two-way radios can interfere with the on-board electronics if RF transmitters are manipulated or retrofitted incorrectly.

This could jeopardise the operating safety of the vehicle.

▶ You should have all work on electrical and electronic components carried out at a qualified specialist workshop.

! **WARNING** Risk of accident from incorrect operation of two-way radios

If you operate two-way radios incorrectly in the vehicle, the electromagnetic radiation could interfere with the on-board electronics, e.g.:

- if the two-way radio is not connected to an exterior aerial
- if the exterior aerial is not correctly mounted or is not of low reflection

This could jeopardise the operating safety of the vehicle.

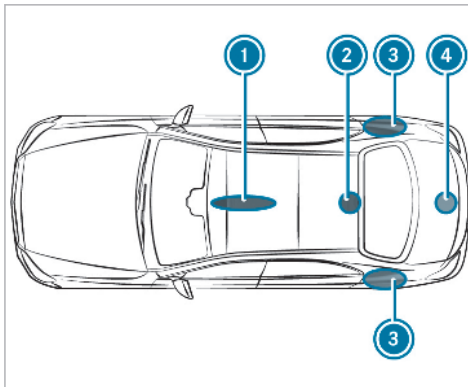
▶ Have the low-reflection exterior aerial fitted at a qualified specialist workshop.

- ▶ When operating two-way radios in the vehicle, always connect them to the low-reflection exterior aerial.

! **NOTE** Invalidation of the operating permit due to failure to comply with the instructions for installation and use

The operating permit may be invalidated if the instructions for installation and use of two-way radios are not observed.

- ▶ Only use approved frequency bands.
- ▶ Observe the maximum permissible output power in these frequency bands.
- ▶ Only use approved aerial positions.



- ① Front roof area
- ② Rear roof area
- ③ Rear wings
- ④ Boot lid

On vehicles with a panoramic sliding sunroof, fitting an aerial to the front or rear roof area is not permitted.

On the rear wings, it is recommended that you fit the aerial on the side of the vehicle closest to the centre of the road.

Use Technical Specification ISO/TS 21609 (Road Vehicles - "EMCs for installation of aftermarket radio frequency transmitting equipment") when retrofitting two-way radios. Comply with the legal requirements for detachable parts.

If your vehicle has fittings for two-way radio equipment, use the power supply and aerial connectors provided in the pre-installation. Observe the manufacturer's supplements when fitting.

Two-way radio transmission output

The maximum transmission output (PEAK) at the base of the aerial must not exceed the values in the following table:

Frequency band and maximum transmission output

Frequency band	Maximum transmission output
Short wave 3 - 54 MHz	100 W
4 m frequency band 74 - 78 MHz	30 W
2 m frequency band 144 - 174 MHz	50 W
Trunked radio system/Tetra 380 - 460 MHz	10 W
70 cm frequency band 400 - 460 MHz	35 W
Two-way radio (2G/3G/4G)	10 W

The following can be used in the vehicle without restrictions:

- RF transmitters with a maximum transmission output of up to 100 mW
- RF transmitters with transmitter frequencies in the 380 - 410 MHz frequency band and a maximum transmission output of up to 2 W (trunked radio system/Tetra)
- mobile phones (2G/3G/4G)

There are no restrictions when positioning the aerial on the outside of the vehicle for some wavebands.

This applies to the following wavebands:

- Trunked radio system/Tetra
- 70 cm frequency band
- 2G/3G/4G

Radio equipment approvals for the vehicle components**Overview of manufacturers**


Manufacturer's abbreviated designation	Manufacturer information
ADC	ADC Automotive Distance Control Systems GmbH, Peter-Dornier-Strasse 10, 88131 Lindau, Germany
Gentex	Gentex Corporation, 600 North Centennial Street, Zeeland MI 49464, USA
HELLA	HELLA KGaA Hueck & Co., Rixbecker Straße 75, 59552 Lippstadt, Germany


Manufacturer's abbreviated designation	Manufacturer information
Hirschmann	Hirschmann Car Communication GmbH, Stuttgarter Str. 45-51, 72654 Neckartenzlingen, Germany
Huf Baolong	Huf Baolong Electronics Bretten GmbH, Gewerbestrasse 40, 75015 Bretten, Germany
HUF	HUF Hülsbeck & Fürst GmbH & Co. KG, Steeger Straße 17, 42551 Velbert, Germany
KATHREIN	KATHREIN Automotive GmbH & Co. KG, Römerring 1, 31137 Hildesheim, Germany


Manufacturer's abbreviated designation	Manufacturer information
LEOPOLD KOSTAL	LEOPOLD KOSTAL GmbH & Co. KG, Hauert 11, 44227 Dortmund, Germany
MARQUARDT	MARQUARDT GmbH, Schloßstraße 16, 78604 Rietheim-Weilheim, Germany
Meta System	Meta System S.P.A., Via T. Galimbreti 5, 42124 Reggio Emilia, Italy


Manufacturer's abbreviated designation	Manufacturer information
Bosch	Robert Bosch GmbH, Daimlerstrasse 6, 71229 Leonberg, Germany
Schrader	Schrader Electronics Ltd., 11 Technology Park, Belfast Road, Antrim BT41 1QS, Northern Ireland, United Kingdom


Argentina

		
Manu- facturer	Model designation	Radio equip- ment approval number
Bosch	MRR1Rear (radar sensor)	C-21798
Bosch	MRRre 14FCR (radar sensor)	C-20030
ADC	ARS4-A (radar sensor)	C-18005
ADC	ARS4-B (radar sensor)	C-17908
Huf Bao- long	TSSRE4A (tyre pressure monitoring sensor)	H-20027





		
Manu- facturer	Model designation	Radio equip- ment approval number
Schrader	AG5SP4 (tyre pressure monitoring sensor)	H-4788
Schrader	GG4T (tyre pressure monitoring sensor)	H-20495
Schrader	DG6W2D4 (tyre pressure monitoring sensor)	H-20959
MAR- QUARDT	DC 12A (locking system)	H-17689
MAR- QUARDT	DC 12B (locking system)	H-21034





		
Manu- facturer	Model designation	Radio equip- ment approval number
MAR- QUARDT	DC 12K (locking system)	H-21035
MAR- QUARDT	MS2 (locking system)	H-17598
MAR- QUARDT	MK 1 (locking system)	H-17213
MAR- QUARDT	MK2 (locking system)	H-17212
MAR- QUARDT	3350.38 (locking system)	H-23166
HELLA	DM4 (locking system)	H-17845

		
Manu- facturer	Model designation	Radio equip- ment approval number
HELLA	MARSKEYLESS (locking system)	H-17929
HUF	HUF14632 (locking system)	H-15541
HUF	HUF4761 (locking system)	H-11545
LEOPOLD KOSTAL	KK1 (locking system)	H-16874
Hirsch- mann	920287A (locking system)	H-15694

		
Manu- facturer	Model designation	Radio equip- ment approval number
Hirsch- mann	920287B (locking system)	H-15695
KATHREI N	RKE213E1 (locking system)	H-15475

Australia

		
Manu- facturer	Model designation	Radio equip- ment approval number
Huf Bao- long	TSSRE4A (tyre pressure monitoring sensor)	
Huf Bao- long	TSSSG4G6 (tyre pressure monitoring sensor)	
Huf Bao- long	TSSSG4G6b (tyre pressure monitoring sensor)	

	Manu- facturer	Model designation	Radio equip- ment approval number
	Schrader	AG5SP4 (tyre pres- sure monitoring sen- sor)	
	Schrader	GG4T (tyre pressure monitoring sensor)	
	Schrader	DG6W2D4 (tyre pres- sure monitoring sen- sor)	

Botswana

Manu- facturer	Model designation	Radio equip- ment approval number
Bosch	MRR1Rear (radar sen- sor)	BOCRA/T A/ 2017/37 88
ADC	ARS4-A (radar sen- sor)	BOCRA/T A/ 2018/20 26
ADC	ARS4-B (radar sen- sor)	BOCRA/T A/ 2019/45 82
Huf Bao- long	TSSRE4A (tyre pres- sure monitoring sen- sor)	No. 20233


Manu- facturer	Model designation	Radio equip- ment approval number
Schrader	AG5SP4 (tyre pres- sure monitoring sen- sor)	No. 1967
MAR- QUARDT	DC12A (locking sys- tem)	BOCRA/T A/ 2019/43 89
MAR- QUARDT	DC12B (locking sys- tem)	BOCRA/T A/ 2019/43 88
MAR- QUARDT	DC12K (locking sys- tem)	BOCRA/T A/ 2019/43 90


Manu- facturer	Model designation	Radio equip- ment approval number
MAR- QUARDT	MS2 (locking system)	BOCRA/T A/ 2019/42 61
MAR- QUARDT	MK1 (locking system)	BOCRA/T A/ 2019/43 59
MAR- QUARDT	MK2 (locking system)	BOCRA/T A/ 2019/43 60
HUF	HUF4761 (locking system)	BOCRA/T A/ 2019/46 64


Manu- facturer	Model designation	Radio equip- ment approval number
LEOPOLD KOSTAL	KK1 (locking system)	BOCRA/T A/ 2019/45 93
Hirsch- mann	920287A (locking system)	BOCRA/T A/ 2019/47 24
Hirsch- mann	920287B (locking system)	BOCRA/T A/ 2019/47 23
KATHREI N	RKE213E1 (locking system)	BOCRA/T A/ 2019/43 87


Brunei Darussalam



Manu- facturer	Model designation	Radio equip- ment approval number
Bosch	LRR3 (radar sensor)	DRQ-D- MAJU-02- 2011-111 083- LPD-3182 0
Bosch	MRR1Rear (radar sensor)	DRQ- DMAJU-0 2-2011-11 108 3- LPD-3150 4


		
Manufacturer	Model designation	Radio equipment approval number
Bosch	MRRre14FCR (radar sensor)	DTA-000793
Huf Bao-long	TSSRE4A (tyre pressure monitoring sensor)	DTA No. 000310
Huf Bao-long	TSSSG4G6 (Steuergerät) (control unit) (tyre pressure monitoring sensor)	DTA No. 000311
Huf Bao-long	TSSSG4G6b (Steuergerät) (control unit) (tyre pressure monitoring sensor)	DTA No. 003757




		
Manufacturer	Model designation	Radio equipment approval number
Schrader	AG5SP4 (tyre pressure monitoring sensor)	DRQ-D-QAF AUTO-05-2003-108 9 4-LPD-29559 DRQDJATI-07-2000-8916LPD-29665
Schrader	DG6W2D4 (tyre pressure monitoring sensor)	DTA-001514


		
Manufacturer	Model designation	Radio equipment approval number
Schrader	MFR (tyre pressure monitoring sensor)	DTA No. 003893
MAR-QUARDT	DC12A (locking system)	DRQ-DJATI-07-2000-8916-LPD-38937
MAR-QUARDT	DC12B (locking system)	DRQ-DJATI-07-2000-10900 0

		
Manu- facturer	Model designation	Radio equip- ment approval number
MAR- QUARDT	DC12K (locking sys- tem)	DRQ- DJATI-07- 2000-109 00 0
MAR- QUARDT	MS2 (locking system)	DRQ- DJATI-07- 2000-891 6- LPD-388 90

		
Manu- facturer	Model designation	Radio equip- ment approval number
MAR- QUARDT	MK1 (locking system)	DRQ- DJATI-07- 2000-891 6- LPD-335 67
MAR- QUARDT	MK2 (locking system)	DRQ- DJATI-07- 2000-891 6- LPD-335 68

		
Manu- facturer	Model designation	Radio equip- ment approval number
MAR- QUARDT	3350.38 (locking sys- tem)	DRQ- DJATI-07- 2000-109 00 0 DTA-003 662
HELLA	DM4 (locking system)	DRQ- DJATI-07- 2000-109 00 0 DTA-000 351

								
Manu- facturer	Model designation	Radio equip- ment approval number	Manu- facturer	Model designation	Radio equip- ment approval number	Manu- facturer	Model designation	Radio equip- ment approval number
HELLA	MARSKEYLESS (locking system)	DRQ-DMAJU-02-2011-11108 3-LPD-39004	HUF	HUF4761 (locking system)	DRQ-DJATI-07-2000-10900 0DTA-000615	Hirschmann	920287A (locking system)	DRQ-DJATI-07-2000-10900 0DTA-001661
HUF	HUF14632 (locking system)	DRQ-DJATI-07-2000-8916-LPD-30012	LEOPOLD KOSTAL	KK1 (locking system)	DRQ-DMAJU-02-2011-11108 3-LPD-30419			

		
Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287B (locking system)	DRQ-DMAJU-02-2011-11083 DTA-000794
KATHREIN	RKE213E1 (locking system)	DRQ-DJATI-07-2000-8916- LPD-30360

Ghana

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-B (radar sensor)	1R3-1M-7E1-160
MAR-QUARDT	DC12A (locking system)	ZRO-M8-7E3-X50
MAR-QUARDT	DC12B (locking system)	ZRO-M8-7E3-X51
MAR-QUARDT	DC12K (locking system)	ZRO-M8-7E3-X52
MAR-QUARDT	MS2 (locking system)	BR3-1M-GE-129

Manufacturer	Model designation	Radio equipment approval number
MAR-QUARDT	MK1 (locking system)	ZRO-M8-7E3-X4A
MAR-QUARDT	MK2 (locking system)	ZRO-M8-7E3-X4C
MAR-QUARDT	3350.38 (locking system)	ZRO-M8-7E3-X3C
HELLA	DM4 (locking system)	BR3-1M-GE2-157
HELLA	MARSKEYLESS (locking system)	BR3-1M-GE2-16A
HUF	HUF4761 (locking system)	EX6-6M-GE2-16C

Manufacturer	Model designation	Radio equipment approval number
LEOPOLD KOSTAL	KK1 (locking system)	ZRO-M8-7E3-X49
Hirschmann	920287A (locking system)	ZRO-M8-7E3-X45
Hirschmann	920287B (locking system)	ZRO-M8-7E3-X47
KATHREIN	RKE213E1 (locking system)	ZRO-M8-7E3-X53

Indonesia

Manufacturer	Model designation	Radio equipment approval number
Bosch	LRR3 (radar sensor)	40556/SDPPI/2018
Bosch	MRR1Rear (radar sensor)	34538/SDPPI/2017
Bosch	MRRre14FCR radar sensor	53078/SDPPI/2017 PLG3612
ADC	ARS4-A (radar sensor)	36010/SDPPI/2017 2130

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-B (radar sensor)	38132/SDPPI/2017 2130
Huf Baolong	TSSRE4A (tyre pressure monitoring sensor)	52166/SDPPI/2017 3533
Schrader	AG5SP4-D (tyre pressure monitoring sensor)	38892/SDPPI/2018 3612
Schrader	GG4T (tyre pressure monitoring sensor)	54083/SDPPI/2017 PLG3612

Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Schrader	DG6W2D4 (tyre pressure monitoring sensor)	57058/ SDPPI/ 2018 PLG3612	MAR-QUARDT	DC12K (locking system)	59838/ SDPPI/ 2019 7163	HELLA	DM4 (locking system)	52221/ SDPPI/ 2017 6051
Schrader	MC34MA4 (tyre pressure monitoring sensor)	25626/ SDPPI/ 2015 PLG3612	MAR-QUARDT	MS2 (locking system)	50154/ SDPPI/ 2017 2208	HELLA	MARSKEYLESS (locking system)	51484/ SDPPI/ 2017 2181
MAR-QUARDT	DC12A (locking system)	50064/ SDPPI/ 2017 2208	MAR-QUARDT	MK1 (locking system)	40283/ SDPPI/ 2015 2208	HUF	HUF14632 (locking system)	41618/ SDPPI/ 2018 3533
MAR-QUARDT	DC12B (locking system)	59840/ SDPPI/ 2019 7163	MAR-QUARDT	MK2 (locking system)	40282/ SDPPI/ 2015 2208	HUF	HUF4761 (locking system)	26742/ SDPPI/ 2015

Manufacturer	Model designation	Radio equipment approval number
LEOPOLD KOSTAL	KK1 (locking system)	41121/SDPPI/2018 5125
Hirschmann	920287A (locking system)	29510/SDPPI/2016 3159
Hirschmann	920287B (locking system)	28238/SDPPI/2016 3159
KATHREIN	RKE213E1 (locking system)	41771/SDPPI/2018 5205

Jordan

Manufacturer	Model designation	Radio equipment approval number
Bosch	LRR3 (radar sensor)	TRC/LPD / 2009/15
Bosch	MRR1Rear (radar sensor)	TRC/LPD / 2014/73
Bosch	MRRre14FCR radar sensor	TRC/LPD / 2017/25 4
ADC	ARS4-A (radar sensor)	TRC/LPD / 2014/12 6

Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-B (radar sensor)	TRC/LPD / 2014/24 8
Huf Bao-long	TSSRE4A (tyre pressure monitoring sensor)	TRC/LPD / 2017/42 1
Huf Bao-long	TSSSG4G6 (control unit) (tyre pressure monitoring sensor)	TRC/LPD / 2017/42 2
Huf Bao-long	TSSSG4G6b (control unit) (tyre pressure monitoring sensor)	TRC/LPD / 2017/17 5

Manufacturer	Model designation	Radio equipment approval number
Schrader	AG5SP4-D (tyre pressure monitoring sensor)	TRC/LPD / 2019/21
Schrader	MFR (tyre pressure monitoring sensor)	TRC/LPD / 2019/184
Schrader	GG4T (tyre pressure monitoring sensor)	TRC/LPD / 2017/456
Schrader	DG6W2D4 (tyre pressure monitoring sensor)	TRC/LPD / 2018/139

Manufacturer	Model designation	Radio equipment approval number
Schrader	MC34MA4 (tyre pressure monitoring sensor)	TRC/LPD / 2011/158
MAR-QUARDT	DC12A (locking system)	TRC/LPD / 2017/175
MAR-QUARDT	DC12B (locking system)	TRC/LPD / 2011/160
MAR-QUARDT	DC12K (locking system)	TRC/LPD / 2011/161


Manufacturer	Model designation	Radio equipment approval number
MAR-QUARDT	MS2 (locking system)	TRC/LPD / 2017/116
MAR-QUARDT	MK1 (locking system)	TRC/LPD / 2015/166
MAR-QUARDT	MK2 (locking system)	TRC/LPD / 2015/167
MAR-QUARDT	3350.38 (locking system)	TRC/LPD / 2019/106


Manufacturer	Model designation	Radio equipment approval number
HELLA	DM4 (locking system)	TRC/LPD / 2017/399
HELLA	MARSKEYLESS (locking system)	TRC/LPD / 2017/183
HUF	HUF14632 (locking system)	TRC/LPD / 2015/179
HUF	HUF4761 (locking system)	TRC/LPD / 2012/144


Manufacturer	Model designation	Radio equipment approval number
LEOPOLD KOSTAL	KK1 (locking system)	TRC/LPD / 2015/102
Hirschmann	920287A (locking system)	TRC/LPD / 2011/149
Hirschmann	920287B (locking system)	TRC/LPD / 2012/53
KATHREIN	RKE213E1 (locking system)	TRC/LPD / 2015/236

Manufacturer	Model designation	Radio equipment approval number
Gentex	EUROII (locking system)	TRC/LPD / 2014/258
Gentex	MUAHL 5 (locking system)	TRC/LPD / 2015/299
KATHREIN	RKE213E1 (antenna amplifier)	TRC/LPD / 2015/236

Malaysia

		
Manu- facturer	Model designation	Radio equip- ment approval number
Bosch	LRR3 (radar sensors)	RALM/3 5A/ 0716/ S(16-232 4)
Bosch	MRR1Rear (radar sensors)	RALM/6 6A/ 0618/ S(18-246 8)

		
Manu- facturer	Model designation	Radio equip- ment approval number
Bosch	MRRre14FCR (radar sensors)	RALM/4 5A/ 0517/ S(17-157 6)
Huf Bao- long	TSSRE4A (tyre pres- sure monitoring sen- sors)	CIDF170 00184
Huf Bao- long	TSSSG4G6 (control unit) (tyre pressure monitoring sensors)	RAQP/57 A/0817/ S(17-242 4)

		
Manu- facturer	Model designation	Radio equip- ment approval number
Schrader	AG5SP4-D (tyre pres- sure monitoring sen- sors)	RCDD/0 3A/ 0615/ S(19-209 4)
Schrader	MFR (control unit) (tyre pressure moni- toring sensors)	RAQP/62 A/ 0419/S (19-1694)



Manu- facturer	Model designation	Radio equip- ment approval number
MAR- QUARDT	DC12A (locking sys- tems)	RDDK/3 3A/ 0317/ S(17-066 9)
MAR- QUARDT	DC12B (locking sys- tems)	RAUU/6 2A/ 0311/ S(11-026 3)



Manu- facturer	Model designation	Radio equip- ment approval number
MAR- QUARDT	DC12K (locking sys- tems)	RAUU/6 2A/ 0311/ S(11-026 4)
MAR- QUARDT	MS2 (locking sys- tems)	RDDK/31 A/0217/ S(17-040 5)
MAR- QUARDT	MK1 (locking sys- tems)	RAAU/14 C/0615/ S(15-105 7)



Manu- facturer	Model designation	Radio equip- ment approval number
MAR- QUARDT	MK2 (locking sys- tems)	RAAU/12 C/0515/ S(15-105 9)
HELLA	DM4 (locking sys- tems)	RDDK/41 A/0717/ S(17-226 9)
HELLA	MARSKEYLESS (lock- ing systems)	RAAU/51 C/0417/ S(17-103 4)


**Manu-
facturer**
Model designation
**Radio equip-
ment
approval
number**

HUF	HUF14632 (locking systems)	RAYN/25 A/0715/S(15-2385)
HUF	HUF4761 (locking systems)	RAAU/16 B/1112/S(12-2053)
LEOPOLD KOSTAL	KK1 (locking systems)	RAUU/27 C/0815/S(15-2953)


**Manu-
facturer**
Model designation
**Radio equip-
ment
approval
number**

Hirschmann	920287A (locking systems)	RAUU/6 3A/0311/S(11-0432)
Hirschmann	920287B (locking systems)	RAUU/2 2C/0615/S(15-1864)


**Manu-
facturer**
Model designation
**Radio equip-
ment
approval
number**

KATHREIN	RKE213E1 (locking systems)	RAUU/2 8C/0915/S(15-2703)
Meta	ITS/TPS (interior protection)	RAVG/18 Q/0212/S(11-2068)
Meta	MUW II (interior protection)	RAVG/17 Q/0212/S(11-2067)

Morocco

Manufacturer	Model designation	Radio equipment approval number
Bosch	LRR3 (radar sensors)	MR 5371 ANRT 2010-02-02
Bosch	MRR1Rear (radar sensors)	MR 9186 ANRT 2014-04-22
Bosch	MRRre 14FCR (radar sensors)	MR 13900 ANRT 2017-05-04
ADC	ARS4-A (radar sensors)	MR 9490 ANRT 2014-07-23
ADC	ARS4-B (radar sensors)	MR 9778 ANRT 2014-11-11

Manufacturer	Model designation	Radio equipment approval number
Huf Baolong(TSSRE4A (tyre pressure sensor) (tyre pressure monitoring sensors)	MR 14320 ANRT 2017-07-07
Huf Baolong	TSSSG4G6 (control unit) (tyre pressure monitoring sensors)	MR 14319 ANRT 2017-07-07
Huf Baolong	TSSSG4G6b (control unit) (tyre pressure monitoring sensors)	MR 19561 ANRT 2019-04-26

Manufacturer	Model designation	Radio equipment approval number
Schrader	AG5SP4-D (tyre pressure sensor) (tyre pressure monitoring sensors)	MR 10216 ANRT 2015-03-18
Schrader	MFR (control unit) (tyre pressure monitoring sensors)	MR 19527 ANRT 2019-04-30
Schrader	GG4T (tyre pressure monitoring sensors)	MR 14777 ANRT 2017-09-20



Manufacturer	Model designation	Radio equipment approval number
Schrader	DG6W2D4 (tyre pressure monitoring sensors)	MR 16355 ANRT 2018-04-19
Schrader	MC34MA4 (tyre pressure monitoring sensors)	MR 6706 ANRT 2011-11-17
MARQUARDT	DC 12A (locking systems)	MR 13429 ANTR 2017-03-03
MARQUARDT	DC 12B (locking systems)	MR 6698 ANTR 2011-11-16
MARQUARDT	DC 12K (locking systems)	MR 6699 ANTR 2011-11-16



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MS2 (locking systems)	MR 13300 ANTR 2017-02-15
MARQUARDT	MK1 (locking systems)	MR 10645 ANTR 2015-07-21
MARQUARDT	MK2 (locking systems)	MR 10987 ANTR 2015-10-22
MARQUARDT	3350.38 (locking systems)	MR 18817 ANTR 2019-02-12
HELLA	DM4 (locking systems)	MR 14426 ANTR 2017-07-28







Manufacturer	Model designation	Radio equipment approval number
HELLA	MARSKEY-LESS (locking systems)	MR 13681 ANTR 2017-04-04
HUF	HUF 14632 (locking systems)	MR 10506 ANTR 2015-06-22
HUF	HUF 4761 (locking systems)	MR 7829 ANTR 2013-02-14
LEPOLD KOS-TAL	KK1 (locking systems)	MR 10697 ANTR 2015-08-05
Hirschmann	920287A (locking systems)	MR 6700 ANTR 2011-11-16







Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287B (locking systems)	MR 7260 ANTR 2012-06-13
KATHREIN	RKE213E1 (locking systems)	MR 10631 ANTR 2015-07-16



Mexico



 		
Manufacturer	Model designation	Radio equipment approval number
Bosch	LRR3 (radar sensors)	IFETEL: RCPBOLR09-0828
Bosch	MRR1Rear (radar sensors)	IFETEL: RCPBOMR 14-0922
Bosch	MRRe14FCR (radar sensors)	IFETEL: RCPBOMR 17-0598
ADC	ARS4-A (radar sensors)	IFETEL: RCPCOAR 14-1191

 		
Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-B (radar sensors)	IFETEL: RLVCOAR 15-0008
Huf Baolong	TSSRE4A (tyre pressure monitoring sensors)	IFETEL: RLVHUTS 17-0806
Schrader	AG5SP4-D (tyre pressure monitoring sensors)	IFETEL: RCPCAG 15-0627


 			 			 		
Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
Schrader	MFR (tyre pressure monitoring sensors)	IFETEL: RLVSCMF15-0959	Schrader	MC34MA4 (tyre pressure monitoring sensors)	IFETEL: RCPSCMR14-062	MARQUARDT	DC12K (interior protection)	IFETEL: CFT/D03/US I/DGB/4653/2013
Schrader	GG4T (tyre pressure monitoring sensors)	IFETEL: RLVSCGG17-1665	MARQUARDT	DC12A (locking systems)	IFETEL: IFT/223/UC S/DG-AUSE/0452/2018	MARQUARDT	MS2 (locking systems)	IFETEL: IFT/223/UC S/DG-AUSE/0717/2018
Schrader	DG6W2D4 (tyre pressure monitoring sensors)	IFETEL: RLVSCDG18-04	MARQUARDT	DC12B (locking systems)	IFETEL: CFT/D03/US I/DGB/4653/2013	MARQUARDT	MK1 (locking systems)	IFETEL: IFT/223/UC S/DG-AUSE/3130/2016

 			 			 		
Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number	Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK2 (locking systems)	IFETEL: IFT/223/UC S/DG-AUSE/ 3043/2016	HELLA	MARSKEY- LESS (locking systems)	IFETEL: IFT/223/UC S/DG-AUSE/ 5487/2018	LEOPOLD KOSTAL	KK1 (locking systems)	IFETEL: IFT/223/UC S/DG-AUSE/ 3010/2018
MARQUARDT	3350.38 (locking systems)	IFETEL: IFT/223/UC S/DG-AUSE/ 1589/2019	HUF	HUF14632 (locking systems)	IFETEL: IFT/223/UC S/DG-AUSE/ 2565/2016	Hirschmann	920287A (locking systems)	IFETEL: CFT/D03/US I/DGB/ 2401/2012
HELLA	DM4 (locking systems)	IFETEL: IFT/223/UC S/DG-AUSE/ 3937/2018	HUF	HUF4761 (locking systems)	IFETEL: CFT/D03/US I/DGB/ 5888/2013	Hirschmann	920287B (locking systems)	IFETEL: CFT/D03/US I/DGB/ 4865/2013

 Manufacturer	 Model designation	Radio equipment approval number
KATHREIN	RKE213E1 (locking systems)	IFETEL: IFT/223/UC S/DG-AUSE/4856/2016
Gentex	EURO II (locking systems)	IFETEL: IFT/223/UC S/DG-AUSE/1456/2014
Gentex	MUAHL 5 (locking systems)	IFETEL: IFT/223/UC S/DG-AUSE/0035/2016

 Manufacturer	 Model designation	Radio equipment approval number
Meta	ITS/TPS (interior protection)	IFETEL: IFT/223/UC S/DG-AUSE/4871/2016
Meta	MUW II (interior protection)	IFETEL: IFT/223/UC S/DG-AUSE/5064/2016

Moldova

 Manufacturer	Model designation	Radio equipment approval number
Bosch	LRR3 (radar sensors)	MD OC TIP 024 A6227-18
Bosch	MRR1Rear (radar sensors)	MD OC TIP 024 A5957-17
Bosch	MRRre14FCR (radar sensors)	MD OC TIP 024 A6004-18
MARQUARDT	DC12A (locking systems)	MD OC TIP 024 A5820-17



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC 12B (locking systems)	MD OC TIP 024 A6253-18
MARQUARDT	DC 12K (locking systems)	MD OC TIP 024 A6252-18
MARQUARDT	MS2 (locking systems)	MD OC TIP 024 A6444-19
MARQUARDT	3350.38 (locking systems)	MD OC TIP 024 A6398-19



Manufacturer	Model designation	Radio equipment approval number
HELLA	DM4 (locking systems)	MD OC TIP 024 A5884-17
HELLA	MARSKEY-LESS (locking systems)	MD OC TIP 024 A5876-17
HUF	HUF4761 (locking systems)	MD OC TIP 024 A5433-16



Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287A (locking systems)	MD OC TIP 024 A5660-16
Hirschmann	920287B (locking systems)	MD OC TIP 024 A5485-16

Niger

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC 12A (locking systems)	010/ ARCEP/DG/ 19
MARQUARDT	DC 12B (locking systems)	008/ ARCEP/DG/ 19
MARQUARDT	DC 12K (locking systems)	009/ ARCEP/DG/ 19
MARQUARDT	MS2 (locking systems)	017/ ARCEP/DG/ 19
MARQUARDT	MK1 (locking systems)	034/ ARCEP/DG/ 19

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK2 (locking systems)	035/ ARCEP/DG/ 19
MARQUARDT	3350.38 (locking systems)	015/ ARCEP/DG/ 19
HELLA	DM4 (locking systems)	082/ ARCEP/DG/ 19
HELLA	MARSKEY-LESS (locking systems)	083/ ARCEP/DG/ 19
HUF	HUF4761 (locking systems)	053/ ARCEP/DG/ 19

Manufacturer	Model designation	Radio equipment approval number
LEOPOLD KOSTAL	KK1 (locking systems)	037/ ARCEP/DG/ 19
KATHREIN	RKE213E1 (locking systems)	029/ ARCEP/DG/ 19

Nigeria

Manufacturer	Model designation	Radio equipment approval number
Bosch	MRR1Rear (radar sensors)	NCC/TSNI/WN/TA/CERT/2089/2018
Bosch	MRR14FCR (radar sensors)	NCC/TSNI/WN/TA/CERT/2042/2018
ADC	ARS4-A (radar sensors)	NCC/TSNI/WN/TA/CERT/AB00388/2015
ADC	ARS4-B (radar sensors)	NCC/TSNI/WN/TA/CERT/2062/2018

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12A (locking systems)	NCC/TSNI/WN/TA/CERT/1714/2017
MARQUARDT	DC12B (locking systems)	NCC/TSNI/WN/TA/CERT/2627/2019
MARQUARDT	DC12K (locking systems)	NCC/TSNI/WN/TA/CERT/2626/2019
MARQUARDT	MS2 (locking systems)	NCC/TSNI/WN/TA/CERT/1667/2017

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK1 (locking systems)	NCC/TSNI/WN/TA/CERT/0739/2015
MARQUARDT	MK2 (locking systems)	NCC/TSNI/WN/TA/CERT/0740/2015
MARQUARDT	3350.38 (locking systems)	NCC/TSNI/WN/TA/CERT/2882/2019
HELLA	DM4 (locking systems)	NCC/TSNI/WN/TA/CERT/1830/2017

Manufacturer	Model designation	Radio equipment approval number
HELLA	MARSKEY-LESS (locking systems)	NCC/ TSNI/WN/TA /CERT/ 1670/2017
HUF	HUF14632 (locking systems)	NCC/ TSNI/WN/TA /CERT/ 0829/2015
HUF	HUF4761 (locking systems)	NCC/ TSNI/WN/TA /CERT/ 2884/2019

Manufacturer	Model designation	Radio equipment approval number
LEOPOLD KOSTAL	KK1 (locking systems)	NCC/ TSNI/WN/TA /CERT/ 0823/2015
KATHREIN	RKE213E1 (locking systems)	NCC/ TSNI/WN/TA /CERT/ 0865/2015

Pakistan


Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-A (radar sensors)	9.9014/2019
ADC	ARS4-B (radar sensors)	9.1048/2018
MARQUARDT	DC 12A (locking systems)	9.131/2017
MARQUARDT	DC 12B (locking systems)	9.829/2013
MARQUARDT	DC 12K (locking systems)	9.830/2013



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MS2 (locking systems)	9.133/2017
MARQUARDT	MK1 (locking systems)	9.486/2015
MARQUARDT	MK2 (locking systems)	9.497/2015
HELLA	DM4 (locking systems)	9.409/2017
HELLA	MARSKEY-LESS (locking systems)	9.213/2017





Manufacturer	Model designation	Radio equipment approval number
HUF	HUF14632 (locking systems)	9.598/2015
HUF	HUF4761 (locking systems)	9.790/2013
LEOPOLD KOSTAL	KK1 (locking systems)	9.118/2016
Hirschmann	920287A (locking systems)	9.845/2013




Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287B (locking systems)	9.846/2013
KATHREIN	RKE213E1 (locking systems)	9.142/2016

Paraguay

		
Manufacturer	Model designation	Radio equipment approval number
Bosch	MRRe 14FCR (radar sensor)	2017-06-I-0000162
Bosch	MRR1Rear (radar sensor)	2019-05-I-000236
ADC	ARS4-A (radar sensor)	2019-05-I-0271
ADC	ARS4-B (radar sensor)	2019-07-I-0353

		
Manufacturer	Model designation	Radio equipment approval number
Huf Baolong	TSSRE4A (tyre pressure monitoring sensor)	2017-09-I-0000328
Schrader	AG5SP4-D (tyre pressure monitoring sensor)	2015-04-I-0000150
MAR-QUARDT	DC12A (locking system)	2017-07-I-0000199

		
Manufacturer	Model designation	Radio equipment approval number
MAR-QUARDT	DC12B (locking system)	2016-5-I-000144y 2011-06-I-0067
MAR-QUARDT	DC12K (locking system)	2016-5-I-000143y 2011-06-I-0068
MAR-QUARDT	MS2 (locking system)	2017-04-I-0000101



Manufacturer	Model designation	Radio equipment approval number
MAR-QUARDT	MK1 (locking system)	2015-07-I-0000200
MAR-QUARDT	MK2 (locking system)	2015-07-I-0000201
MAR-QUARDT	3350.38 (locking system)	2019-04-I-000216
HELLA	DM4 (locking system)	2017-08-I_0000261



Manufacturer	Model designation	Radio equipment approval number
HELLA	MARSKEYLESS (locking system)	2017-05-I-0000136
HUF	HUF14632 (locking system)	2015-08-I-0000226
HUF	HUF4761 (locking system)	2017-12-I-0000409 y 2012-10-I-0178



Manufacturer	Model designation	Radio equipment approval number
LEOPOLD KOSTAL	KK1 (locking system)	2015-06-I-0000181
Hirschmann	920287A (locking system)	2016-5-I-000134 y 2011-06-I-0059



Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287B (locking system)	2017-04-I-000011 9 y 2012-05-I-0096
KATHREIN	RKE213E1 (locking system)	2016-02-I-000003 8

Philippines



Manufacturer	Model designation	Radio equipment approval number
Bosch	MRR1Rear (radar sensor)	ESD-1408917 C
Bosch	MRRre 14FCR (radar sensor)	ESD-1716172 C
ADC	ARS4-A (radar sensor)	ESD-1409466 C
ADC	ARS4-B (radar sensor)	ESD-140983 4C



Manufacturer	Model designation	Radio equipment approval number
Huf Baolong	TSSRE4A (tyre pressure monitoring sensor)	ESD-1715393 C
Schrader	AG5SP4-D (tyre pressure monitoring sensor)	ESD-1510376 C
MARQUARDT	DC 12A (locking system)	ESD-1714489 C
MARQUARDT	DC 12B (locking system)	ESD-1105216 C



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC 12K (locking system)	ESD-1105215 C
MARQUARDT	MS2 (locking system)	ESD-1715652 C
MARQUARDT	MK1 (locking system)	ESD-1510644 C
MARQUARDT	MK2 (locking system)	ESD-1510645 C
MARQUARDT	3350.38 (locking system)	ESD-1919198 C





Manufacturer	Model designation	Radio equipment approval number
HELLA	DM4 (locking system)	ESD-1715539 C
HELLA	MARSKEY-LESS (locking system)	ESD-1714865 C
HUF	HUF14632 (locking system)	ESD-1511236 C
HUF	HUF4761 (locking system)	ESD-1206521 C
LEOPOLD KOSTAL	KK1 (locking system)	ESD-1510698 C




Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287A (locking system)	ESD-1105246 C
Hirschmann	920287B (locking system)	ESD-120604 4C
KATHREIN	RKE213E1 (locking system)	ESD-1511856 C


Russia


		
Manufacturer	Model designation	Radio equipment approval number
Huf Baolong	TSSRE4A (tyre pressure monitoring sensor)	—
Huf Baolong	TSSSG4G6 (tyre pressure monitoring sensor)	—


		
Manufacturer	Model designation	Radio equipment approval number
Huf Baolong	TSSSG4G6b (tyre pressure monitoring sensor)	—
Schrader	AG5SP4-D (tyre pressure monitoring sensor)	—

Zambia

		
Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC 12A (locking system)	ZMB/ ZICTA/TA/ 2019/5/16
MARQUARDT	DC 12B (locking system)	ZMB/ ZICTA/TA/ 2019/5/17
MARQUARDT	DC 12K (locking system)	ZMB/ ZICTA/TA/ 2019/5/18
MARQUARDT	MS2 (locking system)	ZMB/ ZICTA/TA/ 2018/9/30

		
Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	MK1 (locking system)	ZMB/ ZICTA/TA/ 2019/3/20
MARQUARDT	MK2 (locking system)	ZMB/ ZICTA/TA/ 2019/3/21
MARQUARDT	3350.38 (locking system)	ZMB/ ZICTA/TA/ 2019/3/6
HELLA	DM4 (locking system)	ZMB/ ZICTA/TA/ 2019/3/4

		
Manufacturer	Model designation	Radio equipment approval number
HELLA	MARSKEY-LESS (locking system)	ZMB/ ZICTA/TA/ 2019/3/3
HUF	HUF4761 (locking system)	ZMB/ ZICTA/TA/ 2018/12/18
LEOPOLD KOSTAL	KK1 (locking system)	ZMB/ ZICTA/TA/ 2019/3/48
Hirschmann	920287A (locking system)	ZMB/ ZICTA/TA/ 2019/7/12

		
Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287B (locking system)	ZMB/ ZICTA/TA/ 2019/7/11
KATHREIN	RKE213E1 (locking system)	ZMB/ ZICTA/TA/ 2019/3/11

Singapore

Manufacturer	Model designation	Radio equipment approval number
Bosch	LRR3 (radar sensor)	N0380-15
Bosch	MRR1Rear (radar sensor)	N0871-19
Bosch	MRRre 14FCR (radar sensor)	N1699-17
ADC	ARS4-A (radar sensor)	DA 103365
ADC	ARS4-B (radar sensor)	DA 103365

Manufacturer	Model designation	Radio equipment approval number
HUF Baolong	TSSRE4A (tyre pressure monitoring sensor)	DA 103787
HUF Baolong	TSSSG4G6 (tyre pressure monitoring sensor)	DA 103787
HUF Baolong	TSSSG4G6b (tyre pressure monitoring sensor)	DA28467
Schrader	AG5SP4-D (tyre pressure monitoring sensor)	DA105282

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC 12A (locking system)	N1138-17 DA 103787
MARQUARDT	DC 12B (locking system)	N0793-16 DA 103787
MARQUARDT	DC 12K (locking system)	N0726-16 DA 103787
MARQUARDT	MS2 (locking system)	N1067-17 DA 103787
MARQUARDT	MK1 (locking system)	N2522-15 DA 103787
MARQUARDT	MK2 (locking system)	N2523-15 DA 103787

Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	3350.38 (locking system)	N0506-19 DA103787
HELLA	DM4 (locking system)	N3010-17 DA 103365
HELLA	MARSKEY-LESS (locking system)	N1298-17 DA103365
HUF	HUF14632 (locking system)	N2147-15 DA103787
HUF	HUF4761 (locking system)	N2797-12 DA103365
LEOPOLD KOSTAL	KK1 (locking system)	N2292-15

Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287A (locking system)	N0812-11
Hirschmann	920287B (locking system)	N1231-12
KATHREIN	RKE213E1 (locking system)	N2225-15
Meta System	ITS/TPS (interior protection)	N2215-11
Meta System	MUW II	N2216-11

Serbia



Manufacturer	Model designation	Radio equipment approval number
Bosch	LRR3 (radar sensor)	1-06-3454-19 0/09
Bosch	MRR1Rear (radar sensor)	34540-840/ 17-3
Bosch	MRRe14FCR (radar sensor)	P1617068100
ADC	ADC - ARS4-A (radar sensor)	И011 14



Manufacturer	Model designation	Radio equipment approval number
ADC	ADC – ARS4-B (radar sensor)	И011 14
Huf Baolong	TSSRE4A (tyre pressure monitoring sensor)	И005 17
Huf Baolong	TSSSG4G6 (tyre pressure monitoring sensor)	И005 17



Manufacturer	Model designation	Radio equipment approval number
Huf Baolong	TSSSG4G6b (tyre pressure monitoring sensor)	И005 19
Schrader	AG5SP4-D (tyre pressure monitoring sensor)	И005 15
Schrader	MFR (tyre pressure monitoring sensor)	И005 19



Manufacturer	Model designation	Radio equipment approval number
Schrader	GG4T (tyre pressure monitoring sensor)	И005 17
Schrader	DG6W2D4 (tyre pressure monitoring sensor)	И005 18
Schrader	MC34MA4 (tyre pressure monitoring sensor)	И011 11



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC 12A (locking system)	И005 17 P161704520 0
MARQUARDT	DC 12B (locking system)	И011 11
MARQUARDT	DC 12K (locking system)	И011 11
MARQUARDT	MS2 (locking system)	И011 17
HELLA	DM4 (locking system)	И005 17 P1617108200



Manufacturer	Model designation	Radio equipment approval number
HELLA	MARSKEY-LESS (locking system)	И005 17 P161705260 0
HUF	HUF14632 (locking system)	И005 18 P1618104600
HUF	HUF4761 (locking system)	И005 18 P1618156300
LEOPOLD KOSTAL	KK1 (locking system)	И005 18 P161808020 0



Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287A (locking system)	И005 18 P161808450 0
Hirschmann	920287B (locking system)	И005 18 P161808440 0
KATHREIN	RKE213E1 (locking system)	И005 18 P1618107600



Manufacturer	Model designation	Radio equipment approval number
Gentex	EURO II (locking system)	И005 14 P161408520 0
Meta System	MUW II (interior protection)	И011 19 P161904550 0

South Africa


Manufacturer	Model designation	Radio equipment approval number
Bosch	MRR1Rear (radar sensor)	TA-2014/212
Bosch	MRRre14FCR (radar sensor)	TA-2017/2013
Bosch	LRR3 (radar sensor)	1965/00700 9/07
ADC	ARS4-A (radar sensor)	TA-2014/1637



Manufacturer	Model designation	Radio equipment approval number
ADC	ARS4-B (radar sensor)	TA-2014/1783
Huf Baolong	TSSRE4A (tyre pressure monitoring sensor)	TA-2017/1393
Huf Baolong	TSSSG4G6 (control unit) (tyre pressure monitoring sensor)	TA-2017/1391



Manufacturer	Model designation	Radio equipment approval number
Huf Baolong	TSSSG4G6b (tyre pressure monitoring sensor)	TA-2019/1440
Schrader	AG5SP4-D (tyre pressure monitoring sensor)	TA-2015/072 Approved
Schrader	MFR (tyre pressure monitoring sensor)	TA-2019/273 Approved



Manufacturer	Model designation	Radio equipment approval number
Schrader	GG4T (tyre pressure monitoring sensor)	TA-2017/3884 Approved
Schrader	DG6W2D4 (tyre pressure monitoring sensor)	TA-2017/2933 Approved
Schrader	MC34MA4 (tyre pressure monitoring sensor)	TA-2011/1370 Approved
MARQUARDT	DC12A (locking system)	TA-2017/312



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	DC12B (locking system)	TA-2011/370
MARQUARDT	DC12K (locking system)	TA-2012/1542
MARQUARDT	MS2 (locking system)	TA-2016/3314
MARQUARDT	MK1 (locking system)	TA-2015/179
MARQUARDT	MK2 (locking system)	TA-2015/180



Manufacturer	Model designation	Radio equipment approval number
MARQUARDT	3 350.38 (locking system)	TA-2018/3985
HELLA	DM4 (locking system)	TA-2017/2518
HELLA	MARSKEY-LESS (locking system)	TA-2016/3500
HUF	HUF14632 (locking system)	TA-2015/1077



Manufacturer	Model designation	Radio equipment approval number
HUF	HUF4761 (locking system)	TA-2012/1543
LEOPOLD KOSTAL	KK1 (locking system)	TA-2015/595
Hirschmann	920287A (locking system)	TA-2011/374
Hirschmann	920287B (locking system)	TA-2013/1262



Manufacturer	Model designation	Radio equipment approval number
KATHREIN	RKE213E1 (locking system)	TA-2015/1438
Gentex	EURO II (locking system)	TA-2005/614
Gentex	MUAHL 5 (locking system)	TA-2015/1386
Meta System	ITS Master (interior protection)	TA-2011/1636



Manufacturer	Model designation	Radio equipment approval number
Meta System	ITS Sensor (interior protection)	TA-2011/1227
Meta System	MUW II (interior protection)	TA-2019/261

Oman

Manufacturer	Model designation	Radio equipment approval number
Bosch	LRR3	TRA/TA-R/ 1049/09
Bosch	MRR1Rear (radar sensor)	TRA/TA-R/ 1849/14
Bosch	MRRre14FCR (radar sensor)	TRA/TA-R/ 4353/17
ADC	ARS4-A (radar sensor)	R/ 2016/14 D080134
ADC	ARS4-B (radar sensor)	R/ 2210/14 D080134

Manufacturer	Model designation	Radio equipment approval number
Huf Bao-long	TSSRE4A (tyre pressure monitoring sensor)	TRA R/ 4516/17 D100428
Huf Bao-long	TSSSG4G6 (tyre pressure monitoring sensor)	TRA R/ 4515/17 D100428
Huf Bao-long	TSSSG4G6b (tyre pressure monitoring sensor)	TRA R/ 7506/19 D100428
Schrader	AG5SP4-D (tyre pressure monitoring sensor)	TRA R/ 2380/15 D080134
Schrader	MFR (tyre pressure monitoring sensor)	TRA R/ 7464/19 D090258


Manufacturer	Model designation	Radio equipment approval number
Schrader	GG4T (tyre pressure monitoring sensor)	TRA TA-R/ 4686/17 D080134
Schrader	DG6W2D4 (tyre pressure monitoring sensor)	TRA TA-R/ 5511/18 D172249
MAR-QUARDT	DC12A (locking system)	TRA/TARD100428
MAR-QUARDT	DC12B (locking system)	TRA/TAR/ 0227/11
MAR-QUARDT	DC12K (locking system)	TRA/TAR/ 0228/11


Manufacturer	Model designation	Radio equipment approval number
MAR-QUARDT	MS2 (locking system)	TRA/TAR/ 4136/17
MAR-QUARDT	MK1 (locking system)	TRA/TAR/ 2848/15
MAR-QUARDT	MK2 (locking system)	TRA/TAR/ 2900/15
MAR-QUARDT	3 350.38 (locking system)	TRA/TAR/ 7051/19
HELLA	DM4 (locking system)	TRA/TAR/ 4548/17


Manufacturer	Model designation	Radio equipment approval number
HELLA	MARSKEYLESS (locking system)	TRA/TAR/ 4158/17
HUF	HUF14632 (locking system)	TRA/TAR/ 2665/15
HUF	HUF4761 (locking system)	TRA/TAR/ 0920/12
LEOPOLD KOSTAL	KK1 (locking system)	TRA/TAR/ 3129/16
Hirschmann	920287A (locking system)	TRA/TAR/ 0210/11


Manufacturer	Model designation	Radio equipment approval number
Hirschmann	920287B (locking system)	TRA/TAR/ 0655/12
KATHREIN	RKE213E1 (locking system)	TRA/TAR/ 2715/15

Thailand

		
Manufacturer	Model designation	Radio equipment approval number
Bosch	LRR3 (radar sensor)	A57006-15
Bosch	MRR1Rear (radar sensor)	A57005-14
Bosch	MRRre14FCR (radar sensor)	A57003-17

		
Manufacturer	Model designation	Radio equipment approval number
Meta System	ITS/TPS (interior protection)	RF test report: 166683T RFWL EMC test report: 166683 TRF EMC Safety report: 149852T RFSAF

	Manu- facturer	Model designation	Radio equip- ment approval number
Meta Sys- tem	MUW II (interior pro- tection)	RF test report: 149852-2 R1TRFEM C EMC test report: 149852-1 R1TRFEM C Safety report:	

	Manu- facturer	Model designation	Radio equip- ment approval number
			149852T RFSAF


Togo


Manu- facturer	Model designation	Radio equip- ment approval number
MAR- QUARDT	DC12A (locking sys- tem)	No. 055 / 19
MAR- QUARDT	DC12B (locking sys- tem)	No. 057 / 19

Manu- facturer	Model designation	Radio equip- ment approval number
MAR- QUARDT	DC12K (locking sys- tem)	No. 056 / 19
MAR- QUARDT	MS2 (locking system)	No. 008 / 19
MAR- QUARDT	MK1 (locking system)	No. 021 / 19
MAR- QUARDT	MK2 (locking system)	No. 020 / 19
HELLA	DM4 (locking system)	No. 039 / 19
HELLA	MARSKEYLESS (lock- ing system)	No. 040 / 19
HUF	HUF4761 (locking sys- tem)	No. 041 / 19

Manu- facturer	Model designation	Radio equip- ment approval number
LEOPOLD KOSTAL	KK1 (locking system)	No. 060/19
KATHREI N	RKE213E1 (locking system)	No. 024/19

Ukraine

		
Manu- facturer	Model designation	Radio equip- ment approval number
Bosch	LRR3 (radar sensor)	UA.TR. 109.R. 0031-19
Bosch	MRR1Rear (radar sen- sor)	UA.TR. 109.R. 0598-18
Bosch	MRRre14FCR (radar sensor)	UA.TR. 109.R. 0030-19
ADC	ARS4-A (radar sen- sor)	UA RF: 1CONT00 04

		
Manu- facturer	Model designation	Radio equip- ment approval number
ADC	ARS4-B (radar sen- sor)	UA RF: 1CONT00 01
Huf Bao- long	TSSRE4A (tyre pres- sure monitoring sen- sor)	UA 1.001.018 568-19- TE
Huf Bao- long	TSSSG4G6 (control unit) (tyre pressure monitoring sensor)	UA 1.001.018 586-19- TE



Manufacturer	Model designation	Radio equipment approval number
Huf Baolong	TSSSG4G6b (control unit) (tyre pressure monitoring sensor)	UA 1.001.019 289-19-TE
Schrader	AG5SP4 (tyre pressure monitoring sensor)	UA.TR. 028
MAR-QUARDT	DC 12A (locking system)	UA10094 . 004789-1 7



Manufacturer	Model designation	Radio equipment approval number
MAR-QUARDT	DC12B (locking system)	UA.R.TR. 052.308-19
MAR-QUARDT	DC12K (locking system)	UA.R.TR. 052.309-19
MAR-QUARDT	MS2 (locking system)	UA1.001. 019129-1 9-TE
MAR-QUARDT	MK1 (locking system)	UA1.001. 019233-1 9-TE



Manufacturer	Model designation	Radio equipment approval number
MAR-QUARDT	MK2 (locking system)	UA1.001. 019234-1 9-TE
MAR-QUARDT	3 350.38 (locking system)	UA1.001. 018888-1 9-TE
HELLA	DM4 (locking system)	UA.TR. 109.R. 0325-18
HELLA	MARSKEYLESS (locking system)	RTS.UKR. 355-34/ 18



Manu- facturer	Model designation	Radio equip- ment approval number
HUF	HUF14632 (locking system)	10094.0 04959-17
HUF	HUF4761 (locking system)	UA1.001. 018653-1 9-TE
LEOPOLD KOSTAL	KK1 (locking system)	10094.0 06682-19
Hirsch- mann	920287A (locking system)	10094.0 05751-17
Hirsch- mann	920287B (locking system)	10094.0 04974-17



Manu- facturer	Model designation	Radio equip- ment approval number
KATHREI N	RKE213E1 (locking system)	10094.0 05308-17
Gentex	EURO II (locking system)	UA1.001. 008806- 15

United Arab Emirates



Manu- facturer	Model designation	Radio equip- ment approval number
ADC	ARS4-A (radar sensor)	TRA ER58296 /17, DA40068
ADC	ARS4-B (radar sensor)	TRA ER61136 /18, DA40068



Manu- facturer	Model designation	Radio equip- ment approval number
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Huf Bao- long	TSSRE4A (tyre pres- sure monitoring sen- sor)	TRA ER57806 /17, DA36976 /14
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Huf Bao- long	TSSSG4G6 (control unit) (tyre pressure monitoring sensor)	TRA ER57807 /17, DA36976 /14
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Manu- facturer	Model designation	Radio equip- ment approval number
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Huf Bao- long	TSSSG4G6b (control unit) (tyre pressure monitoring sensor)	TRA ER7307/ 19, DA00862 37/12
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Schrader	AG5SP4-D (tyre pres- sure monitoring sen- sor)	TRA ER37156 /15, DA00470 74/10
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Manu- facturer	Model designation	Radio equip- ment approval number
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Schrader	GG4T (tyre pressure monitoring sensor)	TRA ER57985 /17, DA00470 74/10
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Schrader	DG6W2D4 (tyre pres- sure monitoring sen- sor)	TRA ER96052 8/18, DA00470 74/10
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Manufacturer	Model designation	Radio equipment approval number
Schrader	MC34MA4 (tyre pressure monitoring sensor)	TRA ER37066 /15, DA00470 74/10
MAR-QUARDT	DC12A (locking system)	TRA ER53465 /17, DA00189 94/09



Manufacturer	Model designation	Radio equipment approval number
MAR-QUARDT	DC12B (locking system)	TRA ER00678 28/11, DA00189 94/09
MAR-QUARDT	DC12K (locking system)	TRA ER00678 29/11, DA00189 94/09



Manufacturer	Model designation	Radio equipment approval number
MAR-QUARDT	MS2 (locking system)	TRA ER52668 /17, DA00189 94/09
MAR-QUARDT	MK1 (locking system)	TRA ER40046 /15, DA00189 94/09



Manu- facturer	Model designation	Radio equip- ment approval number
MAR- QUARDT	MK2 (locking system)	TRA ER40047 /15, DA00189 94/09
MAR- QUARDT	3350.38 (locking sys- tem)	TRA ER69280 /19, 0018994 /09



Manu- facturer	Model designation	Radio equip- ment approval number
HELLA	DM4 (locking system)	TRA ER56616 /15, DA44932 /15
HELLA	MARSKEYLESS (lock- ing system)	TRA ER56005 /15, DA44932 /15



Manu- facturer	Model designation	Radio equip- ment approval number
HUF	HUF14632 (locking system)	TRA ER63716 /18, DA36976 /14
HUF	HUF4761 (locking sys- tem)	TRA ER55496 /17, DA36976 /14
LEOPOLD KOSTAL	KK1 (locking system)	ER62622 /18



Manu- facturer	Model designation	Radio equip- ment approval number
Hirsch- mann	920287A (locking system)	TRA ER52213 /17, DA35219 /14
Hirsch- mann	920287B (locking system)	TRA ER42011 /5, DA35219 /14





Manu- facturer	Model designation	Radio equip- ment approval number
KATHREI N	RKE213E1 (locking system)	TRA ER64693 /18, DA36975 /14
Gentex	MUAHL 5 (locking system)	TRA ER41849 /15, DA35176 /14



Vietnam





Manu- facturer	Model designation	Radio equip- ment approval number
Huf Bao- long	TSSRE4A (tyre pres- sure monitoring sen- sor)	C011220 0717AF0 4A2
Schrader	AG5SP4 (tyre pres- sure monitoring sen- sor)	C000205 0119AF0 42A
Schrader	GG4T (tyre pressure monitoring sensor)	C0170191 017AF04 A2
Schrader	DG6W2D4 (tyre pres- sure monitoring sen- sor)	C007807 0518AF0 4A2

The Eurasian Economic Union

		
Manu- facturer	Model designation	Radio equip- ment approval number
Bosch	LRR3 (radar sensor)	—
Bosch	MRR1Rear (radar sensor)	—
Bosch	MRRre14FCR (radar sensor)	—
ADC	ARS4-A (radar sensor)	—
ADC	ARS4-B (radar sensor)	—

		
Manu- facturer	Model designation	Radio equip- ment approval number
MAR- QUARDT	DC12A (locking system)	—
MAR- QUARDT	DC12B (locking system)	—
MAR- QUARDT	DC12K (locking system)	—
MAR- QUARDT	MS2 (locking system)	—
MAR- QUARDT	MK1 (locking system)	—

		
Manu- facturer	Model designation	Radio equip- ment approval number
MAR- QUARDT	MK2 (locking system)	—
MAR- QUARDT	3350.38 (locking system)	—
HELLA	DM4 (locking system)	—
HELLA	MARSKEYLESS (locking system)	—
HUF	HUF4761 (locking system)	—
HUF	HUF14632 (locking system)	—


**Manu-
facturer**
Model designation
**Radio
equip-
ment
approval
number**

 LEOPOLD
KOSTAL KK1 (locking system) —

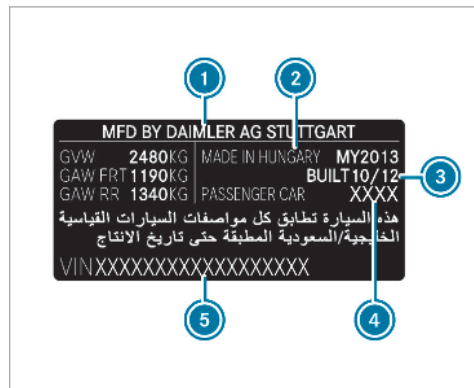
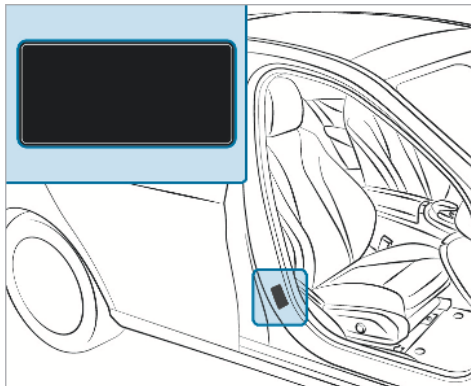
 Hirsch-
mann 920287A (locking
system) —

 Hirsch-
mann 920287B (locking
system) —

 KATHREI
N RKE213E1 (locking
system) —

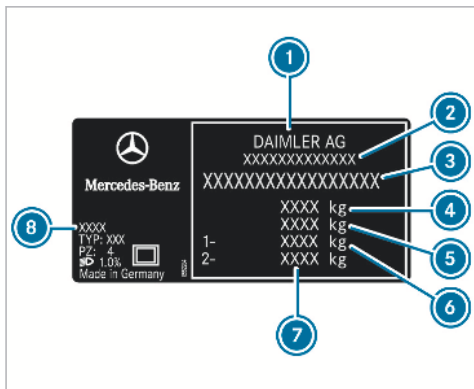
Vehicle identification plate, VIN and engine number overview

Vehicle identification plate



Vehicle identification plate (example: Kuwait)

- ① Vehicle manufacturer
- ② Place of manufacture
- ③ Manufacturing date
- ④ Paint code
- ⑤ VIN

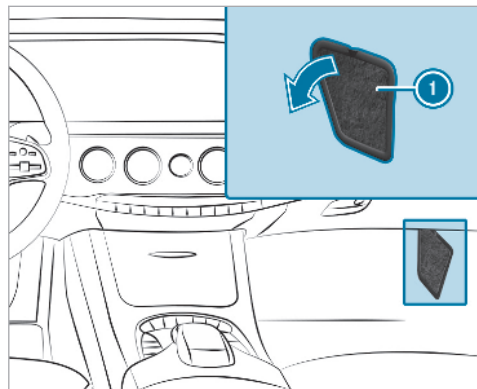


Vehicle identification plate (example: all other countries)

- ① Vehicle manufacturer
- ② EU general operating permit number (only for certain countries)
- ③ VIN (vehicle identification number)
- ④ Maximum permissible gross vehicle weight (kg)

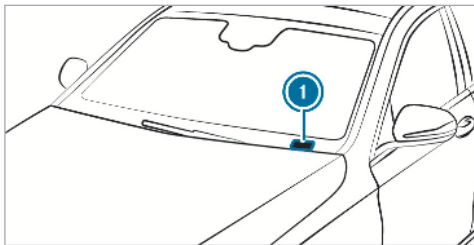
- ⑤ Permissible gross mass of vehicle combination (kg) (for certain countries only, optional)
- ⑥ Maximum permissible front axle load (kg)
- ⑦ Maximum permissible rear axle load (kg)
- ⑧ Paint code
- i The data shown in the illustration is example data.

VIN in front of the front seat



- ① VIN (vehicle identification number)

VIN at the lower edge of the windscreen



① VIN (vehicle identification number)

The VIN at the lower edge of the windscreen is only available in some countries.

Engine number

The engine number is stamped into the crankcase.

② Further information can be obtained at a qualified specialist workshop.

Operating fluids

Notes on operating fluids

⚠ WARNING Risk of injury from operating fluids harmful to your health

Operating fluids may be poisonous and harmful to your health.

- ▶ Observe the text on the original containers when using, storing or disposing of operating fluids.
- ▶ Always store operating fluids sealed in their original containers.
- ▶ Always keep children away from operating fluids.

⚠ WARNING Risk of fire or explosion from fuel

Fuels are highly flammable.

- ▶ Fire, naked flames, smoking and creation of sparks must be avoided.

- ▶ Switch off the ignition and, if available, the stationary heater, before and while refuelling the vehicle.

⚠ WARNING Risk of injury from fuels


Fuels are poisonous and hazardous to your health.

- ▶ Do not swallow fuel or let it come into contact with skin, eyes or clothing.
- ▶ Do not inhale fuel vapour.
- ▶ Keep children away from fuel.
- ▶ Keep doors and windows closed during the refuelling process.

If you or other people come into contact with fuel, observe the following:

- ▶ Immediately rinse fuel off your skin with soap and water.
- ▶ If fuel comes into contact with your eyes, immediately rinse them thoroughly with clean water. Seek medical attention immediately.

- ▶ If you swallow fuel, seek medical attention immediately. Do not induce vomiting.
- ▶ Change immediately out of clothing that has come into contact with fuel.

 **ENVIRONMENTAL NOTE** Environmental pollution caused by environmentally irresponsible disposal

- ▶ Dispose of operating fluids in an environmentally responsible manner.

Operating fluids include the following:

- fuels
- exhaust gas aftertreatment additives, e.g. DeNOx agent AdBlue[®], diesel exhaust fluid
- lubricants
- coolant
- brake fluid
- windscreen washer fluid
- climate control system refrigerant

Only use products approved by Mercedes-Benz. Damage caused by the use of products that have not been approved is not covered by the Mercedes-Benz warranty or goodwill gestures.

You can identify operating fluids approved by Mercedes-Benz by the following inscriptions on the container:

- MB-Freigabe (e.g. MB-Freigabe 229.51)
- MB-Approval (e.g. MB-Approval 229.51)


Further information on approved operating fluids:

- in the Mercedes-Benz Specifications for Operating Fluids at <http://bevo.mercedes-benz.com> (by entering the designation)
- in the Mercedes-Benz Specifications for Operating Fluids in the Mercedes-Benz BeVo app (by entering the designation)
- at a qualified specialist workshop

Fuel

Information on fuel grades for vehicles with petrol engines

Observe the notes on operating fluids (→ page 564).

 **NOTE** Damage caused by the wrong fuel

Even small amounts of the wrong fuel could result in damage to the fuel system, the engine and the emission control system.

- ▶ Only refuel using unleaded, sulphur-free fuel that conforms to European EN 228, or an equivalent specification.

Fuel of this specification may contain up to 10% ethanol by volume. Your vehicle is suitable for use with E10 fuel.

Never refuel with one of the following fuels:

- diesel
- regular petrol with an octane number lower than 91 RON

- petrol with more than 10% ethanol by volume, e.g. E15, E20, E85, E100
- petrol with more than 3% methanol by volume, e.g. M15, M30
- petrol with additives containing metal

If you have accidentally refuelled with the wrong fuel:

- ▶ do not switch on the ignition.
- ▶ consult a qualified specialist workshop.

According to European standard EN 16942 you can find the following compatibility indications for fuel:

- on the instruction label on the fuel filler flap of your vehicle
- on the fuel pump or pump nozzle suitable for your vehicle throughout Europe



- ① For petrol with maximum 5% ethanol by volume
- ② For petrol with maximum 10% ethanol by volume

If the available fuel is not sufficiently low in sulphur, this can produce unpleasant odours.

Recommended fuel: the recommended octane number for your vehicle can be found in the instruction label in the fuel filler flap (→ page 190).

All models: if you wish to achieve maximum engine output, refuel using only super unleaded petrol with at least 98 RON. Alternatively, you

can also refuel using premium grade petrol with at least 95 RON.

All models: as a temporary measure, if the recommended fuel is not available, you may also use regular unleaded petrol with an octane number of at least 91 RON. This may reduce engine output and increase fuel consumption.

Never refuel using petrol with a lower RON.

Further information on fuel can be found:

- at a filling station
- at a qualified specialist workshop

Information on additives in petrol

Observe the notes on operating fluids (→ page 564).

! **NOTE** Damage from use of unsuitable additives

Even small amounts of the wrong additive may lead to malfunctions occurring.

- ▶ Only add cleaning additives recommended by Mercedes-Benz to the fuel.

Mercedes-Benz recommends that you use fuel brands that have additives.

In some countries, the fuel available may not have sufficient additives. Residue could build up in the fuel injection system as a result. In this case, in consultation with a Mercedes-Benz service centre, the fuel may be mixed with the cleaning additive recommended by Mercedes-Benz. Be sure to observe the notes and mixing ratios specified on the container.

Information on fuel grades for vehicles with a diesel engine

General notes

Observe the notes on operating fluids (→ page 564).

⚠ WARNING Risk of fire from fuel mixture

If you mix diesel fuel with petrol, the flash point of the fuel mixture is lower than that of pure diesel fuel.

- ▶ Never refuel using petrol in diesel engines.
- ▶ Never mix petrol with diesel fuel.

! NOTE Damage caused by the wrong fuel

Even small amounts of the wrong fuel could result in damage to the fuel system, the engine and the emission control system.

- ▶ Only refuel using sulphur-free diesel fuel that conforms to European standard EN 590, or an equivalent specification.
In countries without sulphur-free diesel fuel, refuel using only low-sulphur diesel fuel with a sulphur content less than 50 ppm.

Never refuel with one of the following fuels:

- petrol
- marine diesel
- heating oil
- pure bio-diesel fuel or vegetable oil
- paraffin or kerosene

If you have accidentally refuelled with the wrong fuel:

- ▶ Do not switch the ignition on.

- ▶ Consult a qualified specialist workshop.

The following compatibility indication for fuel applies to your vehicle:



- ① For diesel fuel with a maximum of 7% by volume bio-diesel (fatty acid methyl ester)

According to European standard EN 16942 you can find the compatibility indications at the following locations:

- on the vehicle on the information label in the fuel filler flap (→ page 190)
- on the fuel pump or pump nozzle suitable for your vehicle throughout Europe

Information on low outside temperatures

Refuel your vehicle with as much winter diesel fuel as possible at the beginning of winter.

Before changing over to winter diesel fuel, the fuel tank should be empty, if possible. When first refuelling with winter diesel fuel, only refuel using a small amount, e.g. to reserve level. The fuel tank can be filled as usual when next refuelling.

Further information on fuel can be obtained at a filling station or a qualified specialist workshop.

Tank content and fuel reserve

Missing values were not available at the time of going to press.

The total capacity of the fuel tank may vary, depending on the vehicle equipment.

Model	Total capacity
All models	
	of which reserve fuel
All models	

AdBlue®**Notes on AdBlue®**

Observe the notes on operating fluids (→ page 564).

AdBlue® is a water-soluble fluid for the NOx exhaust gas aftertreatment of diesel engines.

It may be improper or punishable in some countries to operate a vehicle that uses no AdBlue® or one that does not comply with the specifications of these operating instructions.

! **NOTE** Malfunctions due to the dilution of AdBlue® or the use of additive-enhanced AdBlue®

The function of the NOx exhaust gas aftertreatment can be impaired by the use of unsuitable denoxification agents.

- ▶ Only use AdBlue® in accordance with ISO 22241.
- ▶ Do not dilute AdBlue® with water.
- ▶ Do not use additive-enhanced AdBlue®.

! **NOTE** Damage and malfunctions due to impurities in AdBlue®

Consequences of impurities in AdBlue®:

- increased emission values
 - damage to the catalytic converter
 - NOx exhaust gas aftertreatment malfunctions
- ▶ Avoid impurities in AdBlue®.

AdBlue® residues crystallise after a period of time, and contaminate the surfaces with which they come into contact. Clean the dirty surfaces with water as soon as possible.

When you open the AdBlue® tank, small amounts of ammonia vapour may escape. Do not inhale any ammonia vapours that may be released. Only fill the AdBlue® tank in well-ventilated areas.

AdBlue® capacity

Missing values were not available at the time of going to press.

Total capacity of AdBlue® tank

Model	Total capacity
All models	

AdBlue® consumption

The average AdBlue® consumption is between 1% and 5% of fuel consumption. Like fuel consumption, AdBlue® consumption is highly dependent upon driving style and operating conditions. For this reason, your vehicle's actual consumption figures under day-to-day operating conditions may differ from the consumption figures calculated. The frequency at which you will have to top up AdBlue® will also vary. Have the AdBlue® supply checked at a qualified specialist workshop before making journeys outside of Europe. Before a longer stay outside of Europe, consult a qualified specialist workshop.

AdBlue® range and fill level

The AdBlue® fill level and range can be displayed via the on-board computer. The AdBlue® range shown depends strongly on the driving style and operating conditions. The actual range can

therefore deviate from the range currently displayed in the on-board computer. The information supplied in the Owner's Manual regarding the reserve quantity at the first display warning and on the minimum top-up quantity when the tank is empty is also to be understood as guide values.

Display the AdBlue® range and level (→ page 278).

Display the AdBlue® fill level and range (see vehicle Owner's Manual).

Engine oil

Notes on engine oil

Observe the notes on operating fluids (→ page 564).




! **NOTE** Engine damage caused by an incorrect oil filter, incorrect oil or additives

- ▶ Do not use engine oils or oil filters which do not correspond to the specifications explicitly prescribed for the service intervals.
- ▶ Do not alter the engine oil or oil filter in order to achieve longer change intervals than prescribed.
- ▶ Do not use additives.
- ▶ Have the engine oil renewed at regular intervals.

Mercedes-Benz recommends that you have the oil change carried out at a qualified specialist workshop.

Only use engine oils approved by Mercedes-Benz.

Petrol engines: for certain countries, different engine oils can be used in conjunction with reduced maintenance intervals.

 Further information on different engine oils can be obtained at a qualified specialist workshop.

Quality and capacity of engine oil

Missing values were not available at the time of going to press.

MB-Freigabe or MB-Approval (petrol engines)

Model	Engine oil specifications
All models	

MB-Freigabe or MB-Approval (diesel engines)

Model	Engine oil specifications
All models	

* recommended for lowest possible fuel consumption (lowest SAE viscosity class in each case; observe possible restrictions of the approved SAE viscosity classes)

To achieve the lowest possible fuel consumption, it is recommended to use the engine oil specifications marked in the table for the lowest SAE viscosity class. Possible restrictions of the approved SAE viscosity classes must be observed.

If the engine oils listed in the table are not available, you may add a maximum of 1.0 litre of the following engine oils once only:

- **petrol engines:** MB-Freigabe or MB-Approval
- **diesel engines:** MB-Freigabe or MB-Approval

The following values refer to an oil change, including the oil filter.


Missing values were not available at the time of going to press.

Replacement amount

Model	Replacement amount
All models	

Notes on brake fluid

Observe the notes on operating fluids (→ page 564).

 **WARNING** Risk of an accident due to vapour pockets forming in the brake system

The brake fluid constantly absorbs moisture from the air. This lowers the boiling point of the brake fluid. If the boiling point is too low, vapour pockets may form in the brake system when the brakes are applied hard.

This impairs the braking effect.

- ▶ Have the brake fluid renewed at the specified intervals.

Have the brake fluid regularly replaced at a qualified specialist workshop. Only use a brake fluid approved by Mercedes-Benz according to MB-Freigabe or MB-Approval 331.0.

Coolant

Notes on coolant

Observe the notes on operating fluids (→ page 564).

⚠ WARNING Risk of fire- and injury from antifreeze

If antifreeze comes into contact with hot component parts in the engine compartment, it may ignite.

- ▶ Allow the engine to cool down before you top up the antifreeze.
- ▶ Make sure that no antifreeze spills out next to the filler opening.

- ▶ Thoroughly clean the antifreeze from component parts before starting the vehicle.

! **NOTE** Damage caused by incorrect coolant

- ▶ Only add coolant that has been pre-mixed with the required antifreeze protection.

Information on coolant is available at the following locations:

- in the Mercedes-Benz Specifications for Operating Fluids 310.1
 - at <https://bevo.mercedes-benz.com>
 - in the Mercedes-Benz BeVo App
- at a qualified specialist workshop

! **NOTE** Overheating at high outside temperatures

If an inappropriate coolant is used, the engine cooling system is not sufficiently pro-

tected against overheating and corrosion at high outside temperatures.

- ▶ Always use coolant approved by Mercedes-Benz.
- ▶ Observe the instructions in the Mercedes-Benz Specifications for Operating Fluids 310.1.

Have the coolant regularly replaced at a qualified specialist workshop.

The proportion of corrosion inhibitor/antifreeze concentrate in the engine cooling system should be:

- a minimum of 50% (antifreeze protection down to approximately -37 °C)
- a maximum of 55% (antifreeze protection down to -45 °C)

Notes on windscreen washer fluid

Observe the notes on operating fluids (→ page 564).

⚠ WARNING - Risk of fire and injury due to windscreen washer concentrate

Windscreen washer concentrate is highly flammable. It could ignite if it comes into contact with hot engine component parts or the exhaust system.

- ▶ Make sure that no windscreen washer concentrate spills out next to the filler opening.

⚠ NOTE Damage to the exterior lighting due to unsuitable windscreen washer fluid

Unsuitable windscreen washer fluids may damage the plastic surface of the exterior lighting.

- ▶ Only use windscreen washer fluids which are also suitable for use on plastic surfaces, e.g. MB SummerFit or MB WinterFit.

⚠ NOTE Blocked spray nozzles caused by mixing windscreen washer fluids

- ▶ Do not mix MB SummerFit and MB WinterFit with other windscreen washer fluids.

Do not use distilled or de-ionised water as the fill level sensor may be triggered erroneously.

Recommended windscreen washer fluid:

- Above freezing point: e.g. MB SummerFit
- Below freezing point: e.g. MB WinterFit

For the correct mixing ratio, refer to the information on the antifreeze container.

Mix the washer fluid with the windscreen washer fluid all year round.

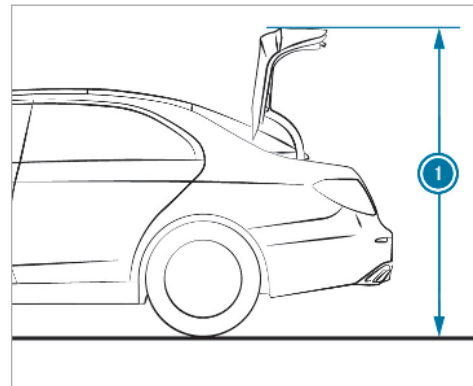
Vehicle data

Vehicle dimensions

The heights specified may vary as a result of:

- tyres
- load

- condition of the suspension
- optional equipment



Missing values were not available at the time of going to press.

Height when opened

Model	① Height when opened
All models	

Vehicle dimensions

All models	
Vehicle length	
Vehicle width including outside mirrors	
Vehicle width excluding outside mirrors	
Wheelbase	

Vehicle height

Model	
All models	

Weights and loads

Please note that for the specified vehicle data:

- Items of optional equipment increase the unladen weight and reduce the payload.
- Vehicle-specific weight information can be found on the vehicle identification plate (→ page 562).

Missing values were not available at the time of going to press.

Roof load

All models	
Maximum roof load	

Trailer hitch

General notes on the trailer hitch

Modifications to the engine cooling system may be necessary, depending on the vehicle model. The retrofitting of a trailer hitch is only permissible if a towing capacity is specified in your vehicle documents.

Further information can be obtained at a qualified specialist workshop.

Display messages

Introduction



Information about display messages



Display messages appear on the driver display.


Display messages with graphic symbols are simplified in the Owner's Manual and may differ from the symbols on the driver display. The driver display shows high-priority display messages in red. Certain display messages are accompanied by a warning tone.

Please act in accordance with the display messages and follow the additional notes in the Owner's Manual.

For some display messages, a symbol will also be shown:

-  Further information
-  Hide display message

You can select the desired symbol by swiping left or right on the left-hand Touch Control. Press the  symbol to show further information on the driver display. Press the  symbol to hide the display message.

You can hide low-priority display messages by pressing the  button or the left-hand Touch Control. The display messages will then be saved in the message memory.

Rectify the cause of a display message as quickly as possible.


High-priority display messages cannot be hidden. The driver display will show these display messages continuously until the cause of the display message has been rectified.



Calling up saved display messages

On-board computer:




 [Service](#)  [Message memory: XX](#)

If there are no display messages, [Keine Meldungen vorhanden](#) will appear on the driver display.

 Scroll through the display messages by swiping upwards or downwards on the left-hand Touch Control.

 **To exit the message memory:** press the  button.

Occupant safety



Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="118 350 455 412">Restraint system malfunction Consult workshop</p>	<p data-bbox="527 233 1201 264">* The restraint system is malfunctioning (→ page 36).</p> <div data-bbox="553 288 1984 433" style="border: 1px solid black; padding: 5px;"> <p data-bbox="574 298 1473 329">▲ WARNING Risk of injury due to malfunctions in the restraint system</p> <p data-bbox="574 344 1943 376">Components in the restraint system may be activated unintentionally or not deploy as intended in an accident.</p> <p data-bbox="574 391 1800 422">► Have the restraint system checked and repaired immediately at a qualified specialist workshop.</p> </div>
 <p data-bbox="118 572 455 635">Front left malfunction Consult workshop (example)</p>	<p data-bbox="527 455 1385 486">* The corresponding restraint system is malfunctioning (→ page 36).</p> <div data-bbox="553 510 1984 655" style="border: 1px solid black; padding: 5px;"> <p data-bbox="574 521 1473 552">▲ WARNING Risk of injury due to malfunctions in the restraint system</p> <p data-bbox="574 567 1943 598">Components in the restraint system may be activated unintentionally or not deploy as intended in an accident.</p> <p data-bbox="574 614 1800 645">► Have the restraint system checked and repaired immediately at a qualified specialist workshop.</p> </div>
 <p data-bbox="118 790 435 852">Left windowbag malfunction Consult workshop (example)</p>	<p data-bbox="527 673 1365 704">* The corresponding window airbag is malfunctioning (→ page 36).</p> <div data-bbox="553 728 1984 873" style="border: 1px solid black; padding: 5px;"> <p data-bbox="574 738 1596 769">▲ WARNING Risk of injury or fatal injury due to a malfunction in the windowbag</p> <p data-bbox="574 785 1923 816">The windowbag might be triggered unintentionally or might not be triggered at all in the event of an accident.</p> <p data-bbox="574 831 1739 862">► Have the windowbag checked and repaired immediately at a qualified specialist workshop.</p> </div>




Display messages	Possible causes/consequences and ► Solutions
<p>Push rear left seat belt extender back manually See Owner's Manual (example)</p>	<ul style="list-style-type: none"> * The corresponding seat belt extender is malfunctioning. <ul style="list-style-type: none"> ► Slide the seat belt extender back into its original position manually. ► If the malfunction occurs again, consult a qualified specialist workshop.
<p>Front passenger airbag disabled See Owner's Manual</p>	<ul style="list-style-type: none"> * The front passenger airbag has been disabled even though an adult or a person with an adult stature is on the front passenger seat. If additional forces are applied to the seat, the weight the system detects may be too low. <div style="background-color: #f0f0f0; padding: 5px; margin: 10px 0;"> <p>⚠ WARNING - Risk of injury or even fatal injury when the front passenger airbag is disabled</p> </div> <p>If the front passenger airbag is disabled, It will not be deployed in the event of an accident and cannot perform its intended protective function.</p> <p>A person in the front passenger seat could then, for example, come into contact with the vehicle interior, especially if the person is sitting too close to the dashboard.</p> <ul style="list-style-type: none"> ► Be aware of the status of the front passenger airbag both before and during the journey. <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. ► Check the status of the automatic front passenger airbag actuation (→ page 47). ► If necessary, consult a qualified specialist workshop immediately.
<p>Front passenger airbag enabled See Owner's Manual</p>	<ul style="list-style-type: none"> * The front passenger airbag is enabled while the vehicle is in motion: <ul style="list-style-type: none"> • even when a child, a small adult or an object weighing less than the system weight threshold is located on the front passenger seat

Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> • even when the front passenger seat is not occupied <p>The system may detect objects or forces that are adding to the weight applied to the seat.</p> <div style="background-color: #f0f0f0; padding: 5px; border: 1px solid #ccc;"> <p>▲ WARNING Risk of injury or fatal injury when using a child restraint system while the front passenger airbag is enabled</p> <p>If you secure a child in a child restraint system on the front passenger seat and the front passenger airbag is enabled, the front passenger airbag may deploy in the event of an accident. The child could be struck by the airbag.</p> <p>► Both before and during the journey, ensure that the status of the front passenger airbag is correct.</p> <p>NEVER use a rearward facing child restraint on a seat protected by an ACTIVE AIRBAG in front of it, DEATH or SERIOUS INJURY to the child can occur.</p> </div> <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. ► Check the status of the automatic front passenger airbag actuation (→ page 47). ► If necessary, consult a qualified specialist workshop immediately.
PRE-SAFE inoperative See Owner's Manual	<p>* The PRE-SAFE® functions are malfunctioning.</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
<p>PRE-SAFE impulse side inoperative See Owner's Manual</p>	<ul style="list-style-type: none"> * The PRE-SAFE® Impulse Side system is malfunctioning or inoperative after having already been triggered. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.



Key






Display messages	Possible causes/consequences and ► Solutions
 <p>Replace key See Owner's Manual</p>	<ul style="list-style-type: none"> * Vehicles with a digital vehicle key : only a few or no authorisations remain for starting the engine. <ul style="list-style-type: none"> ► Make sure that the internet connection is not restricted by certain mobile phone settings. ► Open Mercedes me connect https://www.mercedes.me and call up the Digital Vehicle Key service. ► Deactivate the service first and then activate it again. ► If the display message still appears, contact the Mercedes-Benz Customer Assistance Center (CAC). * Vehicles with a digital vehicle key sticker: only a few or no authorisations remain for starting the engine. <ul style="list-style-type: none"> ► Order a new digital vehicle key sticker from a Mercedes-Benz Service Centre or at the https://www.mercedes-benz-mobile.com/.
 <p>Replace key</p>	<ul style="list-style-type: none"> * The key needs to be replaced. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
 Change key batteries	<ul style="list-style-type: none">* The key battery is discharged.<ul style="list-style-type: none">► Replace the battery (→ page 69).
 Key not detected (white display message)	<ul style="list-style-type: none">* The key is currently undetected.<ul style="list-style-type: none">► Change the location of the key in the vehicle.► If the key is still not recognised, place it in the slot for starting with the key (→ page 175).
 Key not detected (red display message)	<ul style="list-style-type: none">* The key cannot be detected and may no longer be in the vehicle. The key is no longer in the vehicle and you switch off the engine:<ul style="list-style-type: none">• You can no longer start the engine.• You cannot centrally lock the vehicle.<ul style="list-style-type: none">► Ensure that the key is in the vehicle.<p>If the key detection function has a malfunction due to a strong radio signal source:</p><ul style="list-style-type: none">► Stop the vehicle immediately in accordance with the traffic conditions.► Place the key in the slot for starting the engine with the key (→ page 175).

Display messages	Possible causes/consequences and ► Solutions
<p>Place the key in the marked space See Owner's Manual</p>	<ul style="list-style-type: none"> * Key detection is malfunctioning. <ul style="list-style-type: none"> ► Change the location of the key in the vehicle. ► Place the key in the slot for starting the engine with the key (→ page 175).




Lights

Display messages	Possible causes/consequences and ► Solutions
<div style="text-align: center;">  </div> <p>Left dipped beam (example)</p>	<ul style="list-style-type: none"> * The corresponding light source is defective. <ul style="list-style-type: none"> ► Drive on carefully. ► Consult a qualified specialist workshop immediately. ⓘ LED light sources: the display message for the corresponding light appears only when all the light-emitting diodes in the light are faulty.
<div style="text-align: center;">  </div> <p>Malfunction See Owner's Manual</p>	<ul style="list-style-type: none"> * The exterior lighting is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. * Vehicles with a trailer hitch: a fuse may have blown. <ul style="list-style-type: none"> ► Stop the vehicle in accordance with the traffic conditions. ► Check the fuses and replace them if necessary (→ page 486).




Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="118 298 414 363">Automatic driving lights inoperative</p>	<ul style="list-style-type: none"> <li data-bbox="519 184 1089 256">* The light sensor is malfunctioning. <ul style="list-style-type: none"> <li data-bbox="551 225 1089 256">► Consult a qualified specialist workshop.
 <p data-bbox="118 508 461 570">Active Light System inoperative</p>	<ul style="list-style-type: none"> <li data-bbox="519 394 1089 467">* The active headlamps are malfunctioning. <ul style="list-style-type: none"> <li data-bbox="551 436 1089 467">► Consult a qualified specialist workshop.
 <p data-bbox="118 715 386 746">Switch on headlamps</p>	<ul style="list-style-type: none"> <li data-bbox="519 601 1222 674">* You are driving without low-beam headlamps. <ul style="list-style-type: none"> <li data-bbox="551 643 1222 674">► Turn the light switch to the  or AUTO position.
 <p data-bbox="118 891 318 923">Switch off lights</p>	<ul style="list-style-type: none"> <li data-bbox="519 778 1324 850">* You are leaving the vehicle and the lights are still switched on. <ul style="list-style-type: none"> <li data-bbox="551 819 1116 850">► Turn the light switch to the AUTO position.

Display messages	Possible causes/consequences and ► Solutions
DIGITAL LIGHT Functions limited	<ul style="list-style-type: none"> * The DIGITAL LIGHT system is malfunctioning. The lighting system will continue to function without the functions of the DIGITAL LIGHT system. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
MULTIBEAM LED Functions limited	<ul style="list-style-type: none"> * The MULTIBEAM LED system is malfunctioning. The lighting system will continue to function without the functions of the MULTIBEAM LED system. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
Adaptive Highbeam Assist Plus currently unavailable See Owner's Manual	<ul style="list-style-type: none"> * Adaptive Highbeam Assist Plus is temporarily unavailable. The system limits have been reached (→ page 148). <ul style="list-style-type: none"> ► Drive on. Once the cause of the problem is no longer present, the system will be available again. The Adaptive Highbeam Assist Plus available again display message will appear.
Adaptive Highbeam Assist Plus inoperative	<ul style="list-style-type: none"> * Adaptive Highbeam Assist Plus is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
Hazard warning lamp system Malfunction	<ul style="list-style-type: none"> * The hazard warning lamp switch is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.

Climate control

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="118 350 425 408">inoperative See Owner's Man.</p>	<ul style="list-style-type: none"> * The stationary heater is temporarily malfunctioning. <ul style="list-style-type: none"> ► When the vehicle is stationary on a level surface and the engine has cooled down, make up to four attempts to switch on the stationary heater, waiting several minutes between each attempt. ► If the stationary heater does not switch on, consult a qualified specialist workshop.
 <p data-bbox="118 562 408 588">inoperative Battery low</p>	<ul style="list-style-type: none"> * The on-board electrical system voltage is too low. The stationary heater has switched itself off. <ul style="list-style-type: none"> ► Drive an extended distance until the battery has reached a sufficient charge level again.
 <p data-bbox="118 738 441 764">Inoperative Refuel vehicle</p>	<ul style="list-style-type: none"> * There is too little fuel in the fuel tank. The stationary heater cannot be switched on. <ul style="list-style-type: none"> ► Refuel the vehicle.

Vehicle

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="53 350 369 446">Vehicle is operational Switch off ignition before exiting</p>	<ul style="list-style-type: none"> <li data-bbox="466 236 1255 263">* You are leaving the vehicle when it is in a ready-to-drive state. <li data-bbox="486 277 1917 339">► When you leave the vehicle, switch off the ignition, secure the vehicle against rolling away and take the key with you. <li data-bbox="486 354 1882 446">► If you do not leave the vehicle, switch off the electrical consumers, e.g. the seat heating. Otherwise, the 12 V battery may discharge and it will then be possible to start the vehicle only with the aid of a second battery (starting assistance).
 <p data-bbox="53 591 380 653">Operation only possible in transmission position P</p>	<ul style="list-style-type: none"> <li data-bbox="466 477 1637 504">* The ball neck will not swivel because transmission position D, R or neutral N is selected. <li data-bbox="486 519 846 545">► Depress the brake pedal. <li data-bbox="486 560 846 587">► Engage park position P.
 <p data-bbox="53 798 369 829">Trailer coupling in motion</p>	<ul style="list-style-type: none"> <li data-bbox="466 684 901 711">* The ball neck will retract/extend. <p data-bbox="486 726 1902 788">Do not attempt to speed up, slow down or initiate the swivel movement using your hand, foot or other aids. During the swivel movement, do not couple a trailer.</p> <p data-bbox="486 802 1631 829">When the ball neck has reached an operational position, the display message will disappear.</p>

Display messages



Check trailer hitch lock (white display message)

Possible causes/consequences and ► Solutions

- * The trailer hitch is not operational during a journey with a trailer.

▲ WARNING Risk of an accident if the ball neck is not locked


The trailer may become detached.




- ▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.
- ▶ Uncouple the trailer and secure it against rolling away.
- ▶ Initiate a new swivel movement and do not re-couple the trailer until the warning/indicator lamp goes out.



- ▶ Initiate a new swivel movement and, at the same time, pull and hold the button on the boot lid until the ball neck engages beneath the bumper (→ page 266).
- ▶ When the display message disappears, couple up the trailer and drive on.



If the display message does not disappear, the trailer hitch is malfunctioning and the ball neck is not locked.



- ▶ Do not couple up the trailer. Drive on without the trailer. Note the reduced ground clearance due to the unlocked ball neck.
 - ▶ Consult a qualified specialist workshop.
- * The trailer hitch will not be operational when the vehicle is stationary.
 - ▶ Uncouple the coupled trailer and secure it against rolling away.



Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► If the ball neck is retracted: initiate a new swivel movement and, at the same time, pull and hold the button on the boot lid until the ball neck engages vertically in the locked position and then engages beneath the bumper (→ page 266). ► If the ball neck is extended: pull and hold the button on the boot lid until the ball neck engages beneath the bumper. <p>If the display message does not disappear, the trailer hitch is malfunctioning and the ball neck is not locked.</p> <ul style="list-style-type: none"> ► Do not couple up the trailer. Drive on without the trailer. Note the reduced ground clearance due to the unlocked ball neck. ► Consult a qualified specialist workshop.
 <p>Steering malfunction Drive carefully Visit workshop</p>	<ul style="list-style-type: none"> * An electric power steering malfunction has occurred. Steering characteristics may be restricted as a result. <ul style="list-style-type: none"> ► Drive on carefully. ► Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
 <p>Steering malfunction Increased physical effort See Owner's Manual</p>	<p>* The power steering assistance is malfunctioning.</p> <p>▲ WARNING Risk of an accident due to altered steering characteristics</p> <p>If the power assistance of the steering fails partially or completely, you will need to use more force to steer.</p> <ul style="list-style-type: none"> ▶ If safe steering is possible, drive on carefully. ▶ Visit or consult a qualified specialist workshop immediately.
 <p>Steering malfunction Stop immediately See Owner's Manual</p>	<p>* The steering is malfunctioning. Steering capability is significantly impaired.</p> <p>▲ WARNING Risk of accident if steering capability is impaired</p> <p>If the steering does not function as intended, the vehicle's operating safety is jeopardised.</p> <ul style="list-style-type: none"> ▶ Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. Do not continue driving under any circumstances. ▶ Consult a qualified specialist workshop.
 <p>Rear axle steering currently malfunctioning</p>	<p>* The rear axle steering is temporarily unavailable. The turning circle may become wider.</p> <ul style="list-style-type: none"> ▶ Stop the vehicle in accordance with the traffic conditions and restart the engine. <p>If the display message does not disappear:</p> <ul style="list-style-type: none"> ▶ Drive on carefully. ▶ Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="53 298 400 363">Rear axle steering Malfunction Visit workshop</p>	<p data-bbox="461 184 1304 298">* The rear axle steering is malfunctioning. The rear axle has no steering capability. The steering wheel may be tilted when you drive in a straight line.</p> <ul style="list-style-type: none"> <li data-bbox="486 311 1034 342">► Adapt your speed and drive on carefully. <li data-bbox="486 356 1187 387">► Consult a qualified specialist workshop immediately.
 <p data-bbox="53 523 400 588">Rear axle steering Malfunction Stop immediately</p>	<p data-bbox="461 409 1876 594">* The rear axle steering is malfunctioning. The rear axle has no steering capability. The steering wheel may tilt considerably when you drive in a straight line. Depending on the steering wheel's tilting position, the steering wheel will also vibrate and a continuous warning tone will sound.</p> <div data-bbox="492 619 1923 671" style="background-color: #e0e0e0; padding: 5px;"> <p data-bbox="513 629 1310 660">⚠ WARNING Risk of accident if steering capability is impaired</p> </div> <p data-bbox="513 681 1631 712">If the steering does not function as intended, the vehicle's operating safety is jeopardised.</p> <ul style="list-style-type: none"> <li data-bbox="513 726 1841 788">► Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. Do not continue driving under any circumstances. <li data-bbox="513 801 1050 832">► Consult a qualified specialist workshop. <ul style="list-style-type: none"> <li data-bbox="486 868 1712 899">► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. <li data-bbox="486 912 1228 943">► When stopping, bear the enlarged vehicle width in mind.



Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
Snow chain mode Maximum speed exceeded	<ul style="list-style-type: none"> * The maximum permissible speed for snow chain mode has been exceeded. <ul style="list-style-type: none"> ► Drive more slowly.
Active bonnet malfunction See Owner's Manual	<ul style="list-style-type: none"> * The active bonnet (pedestrian protection) is malfunctioning or inoperative after having already been triggered. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
	<ul style="list-style-type: none"> * At least one door is open. <ul style="list-style-type: none"> ► Close all doors.
	<ul style="list-style-type: none"> * The bonnet is open. <div style="background-color: #cccccc; padding: 5px; margin: 5px 0;"> <p>⚠ WARNING Risk of accident due to driving with the bonnet unlocked</p> </div> <div style="background-color: #ffff00; padding: 5px; margin: 5px 0;"> <p>The bonnet may open and block your view.</p> </div> <ul style="list-style-type: none"> ► Never release the bonnet when driving. ► Before every trip, ensure that the engine bonnet is locked. ► Stop the vehicle immediately, paying attention to road and traffic conditions. ► Close the bonnet.





Display messages	Possible causes/consequences and ► Solutions
	<p>* The boot lid is open.</p> <div data-bbox="492 236 1923 459" style="border: 1px solid gray; padding: 5px;"><p>▲ DANGER Risk of exhaust gas poisoning</p><p>Combustion engines emit poisonous exhaust gases such as carbon monoxide. Exhaust gases can enter the vehicle interior if the boot lid is open when the engine is running, especially if the vehicle is in motion.</p><ul style="list-style-type: none">▶ Always switch off the engine before opening the boot lid.▶ Never drive with the boot lid open.</div> <p>► Close the boot lid.</p>
 <p>Rear left seat backrest not locked (example)</p>	<p>* The seat backrest of the corresponding seat is not engaged.</p> <p>► Fold the seat backrest back until it engages.</p>
<p>Anti-theft alarm system Malfunction</p>	<p>* The anti-theft alarm system is malfunctioning.</p> <p>► Consult a qualified specialist workshop.</p>

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="118 298 363 329">Top up washer fluid</p>	<ul style="list-style-type: none"> <li data-bbox="527 184 1596 215">* The washer fluid level in the washer fluid reservoir has dropped below the minimum. <li data-bbox="547 225 1075 256">► Top up the washer fluid (→ page 461).
 <p data-bbox="118 474 437 536">Intensive cleaning activated for 30 s</p>	<ul style="list-style-type: none"> <li data-bbox="527 360 1937 391">* Vehicles with MAGIC VISION CONTROL: intensive cleaning of the windscreen has been activated (→ page 152).

Engine

Display messages	Possible causes/consequences and ► Solutions
<p data-bbox="118 728 441 852">To switch off the engine, press the Start/Stop button for at least 3 seconds or 3 times.</p>	<ul style="list-style-type: none"> <li data-bbox="527 728 1418 759">* You have pressed the start/stop button while the vehicle is in motion. <li data-bbox="547 769 1473 800">► Information about switching off the engine while driving (→ page 174).

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="53 298 369 360">Top up coolant See Owner's Manual</p>	<p data-bbox="466 182 833 208">* The coolant level is too low.</p> <div data-bbox="492 236 1923 342" style="border: 1px solid black; padding: 5px;"> <p data-bbox="513 246 1171 277">! NOTE Engine damage due to insufficient coolant</p> <ul style="list-style-type: none"> <li data-bbox="513 298 1111 329">► Avoid long journeys with insufficient coolant. </div> <ul style="list-style-type: none"> <li data-bbox="486 363 874 394">► Add coolant (→ page 460). <li data-bbox="486 405 1467 436">► Have the engine cooling system checked at a qualified specialist workshop.
 <p data-bbox="53 573 314 636">Coolant Stop vehicle Switch engine off</p>	<p data-bbox="466 459 768 485">* The coolant is too hot.</p> <ul style="list-style-type: none"> <li data-bbox="486 501 1729 532">► Stop the vehicle immediately in accordance with the traffic conditions and switch off the engine. <div data-bbox="492 563 1923 788" style="border: 1px solid black; padding: 5px;"> <p data-bbox="513 573 1232 605">! WARNING Danger of burns when opening the bonnet</p> <p data-bbox="513 625 1888 687">If you open the engine bonnet when the engine has overheated or during a fire in the engine compartment, you could come into contact with hot gases or other escaping operating fluids.</p> <ul style="list-style-type: none"> <li data-bbox="513 698 1279 729">► Before opening the bonnet, allow the engine to cool down. <li data-bbox="513 739 1851 770">► In the event of a fire in the engine compartment, keep the engine bonnet closed and call the fire service. </div> <ul style="list-style-type: none"> <li data-bbox="486 809 1013 840">► Wait until the engine has cooled down. <li data-bbox="486 850 1304 881">► Make sure that the air supply to the radiator is not obstructed. <li data-bbox="486 891 1888 954">► Avoiding high loads on the engine, drive to the nearest qualified specialist workshop. In doing so, ensure that the coolant temperature display remains below 120 °C.

Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> * The fan motor is defective. <ul style="list-style-type: none"> ► Avoiding high loads on the engine, drive to the nearest qualified specialist workshop. In doing so, ensure that the coolant temperature display remains below 120 °C.
 <p data-bbox="118 433 339 461">Reserve fuel level</p>	<ul style="list-style-type: none"> * The fuel supply has dropped into the reserve range. <ul style="list-style-type: none"> ► Refuel.
 <p data-bbox="118 609 359 637">Clean the fuel filter</p>	<ul style="list-style-type: none"> * Vehicles with diesel engines: the fuel filter is dirty or the water in the fuel filter needs to be drained. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
 <p data-bbox="118 785 359 813">Replace air cleaner</p>	<ul style="list-style-type: none"> * Vehicles with diesel engines: the engine air filter is dirty and must be replaced. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.

Transmission

Display messages	Possible causes/consequences and ► Solutions
Only select P when vehicle is stationary	<ul style="list-style-type: none"> * Park position P can be engaged only when the vehicle is stationary. <ul style="list-style-type: none"> ► To stop, depress the brake pedal. ► Shift the transmission to park position P while the vehicle is stationary.
Apply brake to deselect P position	<ul style="list-style-type: none"> * You have attempted to shift the transmission out of park position P and into another transmission position. <ul style="list-style-type: none"> ► Depress the brake pedal. ► Select transmission position D, R or neutral N.
Apply brake and start engine to shift out of P or N	<ul style="list-style-type: none"> * You have attempted to shift the transmission out of park position P or neutral N and into another transmission position. <ul style="list-style-type: none"> ► Depress the brake pedal. ► Change the transmission position. ► Start the engine.
Apply brake to select D or R	<ul style="list-style-type: none"> * You have attempted to select transmission position D or R. <ul style="list-style-type: none"> ► Depress the brake pedal. ► Select transmission position D or R.
Apply brake to select R	<ul style="list-style-type: none"> * You have attempted to select transmission position R. <ul style="list-style-type: none"> ► Depress the brake pedal. ► Select transmission position R.

Display messages	Possible causes/consequences and ► Solutions
<p>Apply parking brake to park Visit workshop</p>	<ul style="list-style-type: none"> * A malfunction has occurred in the emergency power supply to park position P. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. ► Until then, always select park position P manually before you switch off the engine. ► Before leaving the vehicle, apply the electric parking brake.
<p>Risk of vehicle rolling away Driver's door open Transmission not in P</p>	<ul style="list-style-type: none"> * The driver's door is not fully closed and transmission position D, R or neutral N is selected. <ul style="list-style-type: none"> ► Select park position P when switching off the vehicle.
<p>Risk of vehicle rolling away Apply parking brake to park</p>	<ul style="list-style-type: none"> * The transmission is malfunctioning. Park position P cannot be selected. <ul style="list-style-type: none"> ► Park the vehicle safely. ► Use the electric parking brake to secure the vehicle against rolling away. ► On gradients, turn the front wheels so that the vehicle will roll towards the kerb if it starts moving.
<p>Risk of vehicle rolling away N activated manually No automatic switch to P</p>	<ul style="list-style-type: none"> * While the vehicle was at a standstill or driving at very low speed, neutral N was engaged with the engine running or the ignition switched on. <div style="border: 1px solid black; padding: 10px; margin-top: 10px;"> <p>! NOTE Damage to the vehicle due to it rolling away</p> <p>When the ignition is being switched off or the driver's door opened, automatic engagement of park position P is deactivated.</p> <p>The vehicle may roll away.</p> </div>

Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ▶ Be ready to brake. ▶ Do not leave the vehicle unattended. <ul style="list-style-type: none"> ▶ Depress the brake pedal until the vehicle is stationary. ▶ Engage park position P when the vehicle is stationary with the brake pedal depressed. ▶ To continue driving with the brake pedal depressed, select transmission position D or R.
<p>N automatically activated Please select transmission position again</p>	<ul style="list-style-type: none"> * Neutral N was automatically engaged when the vehicle was rolling or driving. ▶ Depress the brake pedal until the vehicle is stationary. ▶ Engage park position P when the vehicle is stationary with the brake pedal depressed. ▶ To continue driving with the brake pedal depressed, select transmission position D or R.
<p>Reversing not poss. Consult workshop</p>	<ul style="list-style-type: none"> * The transmission is malfunctioning. The transmission position R cannot be selected. ▶ Consult a qualified specialist workshop.
<p>Transmission Malfunction Stop</p>	<ul style="list-style-type: none"> * The transmission is malfunctioning. The transmission shifts to neutral N automatically. ▶ Stop the vehicle immediately in accordance with the traffic conditions. ▶ Depress the brake pedal. ▶ Engage park position P. ▶ Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
Consult workshop without changing the transmission position	<ul style="list-style-type: none"> * The transmission is malfunctioning. The transmission position can no longer be changed. <ul style="list-style-type: none"> ► If transmission position D is selected, consult a qualified specialist workshop and do not change the transmission position. ► For all other transmission positions, park the vehicle safely. ► Consult a qualified specialist workshop.
Stop vehicle Leave engine running Wait Transmission cooling	<ul style="list-style-type: none"> * The transmission is overheating. Pulling away may be temporarily impaired or not possible. <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ► Leave the engine running. ► Wait until the display message disappears before pulling away.
Auxiliary battery malfunction	<ul style="list-style-type: none"> * There is a malfunction in the auxiliary battery. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. ► Until then, always select park position P manually before you switch off the engine. ► Before leaving the vehicle, apply the electric parking brake.

Brakes

Display messages



Parking brake See Owner's Manual

Possible causes/consequences and ► Solutions



* The yellow  indicator lamp is lit. The electric parking brake is malfunctioning.

To apply:

- Switch the ignition off and switch it back on.
- Apply the electric parking brake manually (→ page 201).

If it is not possible to apply the electric parking brake:

- Consult a qualified specialist workshop.
- Where necessary, also secure the parked vehicle against rolling away.

* The yellow  indicator lamp and the red  indicator lamp are lit. The electric parking brake is malfunctioning.

To release:






- Switch the ignition off and switch it back on.
- Release the electric parking brake manually (→ page 201).



or





- Release the electric parking brake automatically (→ page 201).


If it is still not possible to release the electric parking brake:

- Do not continue driving. Consult a qualified specialist workshop.



Display messages	Possible causes/consequences and ► Solutions
	<p>* The yellow  indicator lamp is lit and the red  indicator lamp is flashing. The electric parking brake is malfunctioning.</p> <p>The electric parking brake could not be applied or released.</p> <ul style="list-style-type: none">► Switch the ignition off and switch it back on. <p>To apply:</p> <ul style="list-style-type: none">► Release and then apply the electric parking brake manually (→ page 201). <p>To release:</p> <ul style="list-style-type: none">► Apply and then release the electric parking brake manually. <p>If it is not possible to apply the electric parking brake or the red  indicator lamp continues to flash:</p> <ul style="list-style-type: none">► Do not continue driving. Consult a qualified specialist workshop.► Where necessary, also secure the parked vehicle against rolling away. <p>* The yellow  indicator lamp is lit and the red  indicator lamp flashes for approximately ten seconds after the electric parking brake has been applied or released. It then remains lit or goes out. The electric parking brake is malfunctioning.</p> <p>If the charge level is too low:</p> <ul style="list-style-type: none">► Charge the 12 V battery. <p>To apply:</p>


Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Apply the electric parking brake manually. <p>If it is not possible to apply the electric parking brake:</p> <ul style="list-style-type: none"> ► Consult a qualified specialist workshop. ► Where necessary, also secure the parked vehicle against rolling away. <p>To release:</p> <ul style="list-style-type: none"> ► If the conditions for automatic release are fulfilled and the electric parking brake is not released automatically, release the electric parking brake manually (→ page 201). <p>If it is still not possible to release the electric parking brake:</p> <ul style="list-style-type: none"> ► Do not continue driving. Consult a qualified specialist workshop.
 <p>Release parking brake</p>	<p>* The red  indicator lamp is flashing.</p> <p>The electric parking brake is applied while you are driving:</p> <ul style="list-style-type: none"> • A condition for automatic release of the electric parking brake has not been fulfilled (→ page 201). • You are performing emergency braking using the electric parking brake (→ page 201). <ul style="list-style-type: none"> ► Check the conditions for automatic release of the electric parking brake. ► Release the electric parking brake manually.

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="118 298 439 363">Turn on the ignition to release the parking brake</p>	<p data-bbox="527 182 1631 256">* The red  indicator lamp is lit. You have attempted to release the electric parking brake with the ignition switched off.</p> <p data-bbox="547 267 874 298">► Switch on the ignition.</p>
 <p data-bbox="118 507 353 538">Brake immediately</p>	<p data-bbox="527 391 1391 505">* A malfunction has occurred while the HOLD function was activated. A horn may also sound at regular intervals. You cannot start the engine.</p> <p data-bbox="547 521 1606 583">► Immediately depress the brake pedal firmly until the display message disappears. You can restart the engine.</p>
 <p data-bbox="118 722 404 753">Check brake fluid level</p>	<p data-bbox="527 606 1277 637">* There is insufficient brake fluid in the brake fluid reservoir.</p> <div data-bbox="553 657 1984 924" style="border: 1px solid black; padding: 10px;"> <p data-bbox="574 668 1346 699">▲ WARNING Risk of an accident due to low brake fluid level</p> <p data-bbox="574 720 1819 751">If the brake fluid level is too low, the braking effect and the braking characteristics may be impaired.</p> <ul style="list-style-type: none"> <li data-bbox="574 761 1931 823">► Stop the vehicle as soon as possible, paying attention to road and traffic conditions. Do not continue driving. <li data-bbox="574 833 1113 865">► Consult a qualified specialist workshop. <li data-bbox="574 875 981 906">► Do not top up the brake fluid. </div>

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="53 298 339 360">Check brake pads See Owner's Manual</p>	<ul style="list-style-type: none"><li data-bbox="457 184 1030 211">* The brakepads have reached the wear limit.<ul style="list-style-type: none"><li data-bbox="486 225 1030 252">► Consult a qualified specialist workshop.


Driving systems



Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="53 665 396 727">ATTENTION ASSIST inoperative</p>	<ul style="list-style-type: none"><li data-bbox="457 551 1030 578">* ATTENTION ASSIST is malfunctioning.<ul style="list-style-type: none"><li data-bbox="486 592 1030 619">► Consult a qualified specialist workshop.
 <p data-bbox="53 878 396 940">ATTENTION ASSIST: Take a break!</p>	<ul style="list-style-type: none"><li data-bbox="457 764 1774 826">* ATTENTION ASSIST has detected fatigue or an increasing lack of concentration on the part of the driver (→ page 253).<ul style="list-style-type: none"><li data-bbox="486 841 866 868">► If necessary, take a break.



Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="118 298 451 363">ATTENTION ASSIST Microsleep Take a break!</p>	<ul style="list-style-type: none"> * ATTENTION ASSIST has detected indicators of microsleep (→ page 253). <ul style="list-style-type: none"> ► It is recommended that you take a break immediately. ► Press the left-hand Touch Control and acknowledge the display message.
<p data-bbox="118 391 451 487">Driver camera view currently restricted See Owner's Manual</p>	<ul style="list-style-type: none"> * The view of the driver camera is reduced. Possible causes: <ul style="list-style-type: none"> • Objects or stickers project into the driver camera's field of vision • The driver camera is dirty <ul style="list-style-type: none"> ► Keep the driver camera's field of vision free. ► Clean the driver camera if necessary.
<p data-bbox="118 622 431 754">Change steering wheel/ seat position until 6 dots are visible on the upper edge of the screen</p>	<ul style="list-style-type: none"> * The driver camera cannot capture your line of sight. <ul style="list-style-type: none"> ► Change the steering wheel and seat position until six dots are visible on the top edge of the screen.
<p data-bbox="118 781 445 847">Driver camera inoperative See Owner's Manual</p>	<ul style="list-style-type: none"> * The driver camera is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.


Display messages	Possible causes/consequences and ► Solutions
Active Emergency Stop Assist currently unavailable See Owner's Manual	<ul style="list-style-type: none">* Active Emergency Stop Assist is temporarily unavailable.<ul style="list-style-type: none">► Consult a qualified specialist workshop.
Active Emergency Stop Assist inoperative	<ul style="list-style-type: none">* Active Emergency Stop Assist is malfunctioning.<ul style="list-style-type: none">► Consult a qualified specialist workshop.
Beginning emergency stop	<ul style="list-style-type: none">* Your hands are not on the steering wheel. An emergency stop is initiated (→ page 230).<ul style="list-style-type: none">► Put your hands back on the steering wheel.You can cancel the deceleration at any time by performing one of the following actions:<ul style="list-style-type: none">• Steering• Braking or accelerating• Pressing a steering-wheel button• Operating Touch Control• Deactivating Active Distance Assist DISTRONIC
Limited availability of Active Parking Assist manoeuvring assistant See Owner's Manual	<ul style="list-style-type: none">* Active Parking Assist's collision avoidance is temporarily unavailable or only partially available.<ul style="list-style-type: none">► Clean all sensors of the parking and camera system (→ page 465).► If the display message still appears, consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
<p>PARKTRONIC and manoeuvring assistant not available at rear when towing a trailer</p>	<ul style="list-style-type: none"> * When you establish the electrical connection to the trailer, the rear Parking Assist PARKTRONIC is unavailable. <ul style="list-style-type: none"> ► Press the left-hand Touch Control and acknowledge the display message.
<p>PARKTRONIC inoperative See Owner's Manual</p>	<ul style="list-style-type: none"> * Parking Assist PARKTRONIC is malfunctioning. <ul style="list-style-type: none"> ► Continue driving while paying attention to the vehicle's surroundings. Once the cause of the problem is no longer present, the system will be available again. or ► Stop the vehicle in accordance with the traffic conditions and restart the engine. ► If the display message still appears, consult a qualified specialist workshop.
<div data-bbox="128 598 324 702" data-label="Image"> </div> <p>Fault Drive at max. 80 km/h</p>	<ul style="list-style-type: none"> * AIRMATIC is functioning only to a limited extent. The vehicle's handling characteristics may be affected. <div data-bbox="553 650 1984 835" data-label="Complex-Block" style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>! NOTE The tyres on the front axle or the fenders could be damaged by large steering movements</p> <ul style="list-style-type: none"> ► Avoid large steering movements while driving and listen for scraping sounds. ► If you hear scraping sounds, pull over and stop the vehicle in accordance with the traffic conditions, and set a higher vehicle level if possible. </div> <ul style="list-style-type: none"> ► Drive in a manner appropriate for the current level, but do not exceed 80 km/h. ► Consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
<p>E-ACTIVE BODY CONTROL Function limited See Owner's Manual</p>	<p>* At least one main function of the E-ACTIVE BODY CONTROL system is malfunctioning. The system is outside the operating temperature range or the on-board electrical system voltage is too low.</p> <div data-bbox="492 277 1923 363" style="border: 1px solid black; padding: 5px;"> <p>! NOTE The vehicle's suspension and damping behaviour is restricted. The vehicle body may tilt heavily to the side during cornering.</p> </div> <div data-bbox="492 363 1923 505" style="border: 1px solid black; padding: 5px;"> <ul style="list-style-type: none"> ► Drive on carefully. ► Reduce speed considerably before taking a bend. ► Avoid sudden steering movements. </div> <div data-bbox="492 526 1923 681" style="border: 1px solid black; padding: 5px;"> <ul style="list-style-type: none"> ► Drive on carefully. ► Reduce speed considerably before taking a bend. ► Avoid sudden steering movements. <p>Once the cause of the problem is no longer present, the system will be available again.</p> </div>
<div data-bbox="67 697 261 800" style="border: 1px solid black; padding: 5px; text-align: center;">  </div> <p>Fault Drive at max. 80 km/h</p>	<p>* At least one main function of the E-ACTIVE BODY CONTROL system is malfunctioning. The system is deactivated.</p> <div data-bbox="492 795 1923 878" style="border: 1px solid black; padding: 5px;"> <p>! NOTE The vehicle's suspension and damping behaviour has changed significantly, the vehicle body may tilt heavily to the side during cornering.</p> </div> <div data-bbox="492 878 1923 940" style="border: 1px solid black; padding: 5px;"> <ul style="list-style-type: none"> ► Reduce vehicle speed. Drive on carefully. </div>

Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ▶ Reduce the vehicle speed considerably before taking a curve. ▶ Avoid sudden steering movements. <ul style="list-style-type: none"> ▶ Continue driving carefully and do not exceed 80 km/h. ▶ If possible, stop the vehicle in accordance with the traffic conditions and switch the ignition off and on again. ▶ If the display message still appears, consult a qualified specialist workshop.
<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">  </div> <p data-bbox="118 554 247 582">Fault Stop</p>	<p data-bbox="527 440 1741 509">* There is a serious malfunction affecting the hydraulics of the E-ACTIVE BODY CONTROL system. The system is deactivated.</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p data-bbox="576 543 1494 578">! NOTE The vehicle's driving characteristics have changed significantly.</p> </div> <ul style="list-style-type: none"> ▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. <ul style="list-style-type: none"> ▶ Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ▶ Consult a qualified specialist workshop.
<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">  </div> <p data-bbox="118 872 451 900">STOP Vehicle level too low</p>	<p data-bbox="527 758 1304 792">* You have pulled away despite the vehicle level being too low.</p> <ul style="list-style-type: none"> ▶ Stop the vehicle in accordance with the traffic conditions. The vehicle will be raised to the selected vehicle level. ▶ Wait until the display message disappears before pulling away. <p data-bbox="553 937 1841 965">If the display message does not disappear and a warning tone also sounds, AIRMATIC is malfunctioning:</p>

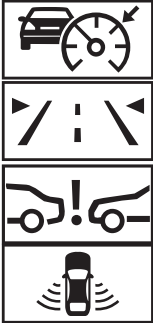
Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Do not drive at speeds greater than 80 km/h and consult a qualified specialist workshop immediately. <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>! NOTE The tyres on the front axle or the fenders could be damaged by large steering movements</p> <ul style="list-style-type: none"> ► Avoid large steering movements while driving and listen for scraping sounds. ► If you hear scraping sounds, pull over and stop the vehicle in accordance with the traffic conditions, and set a higher vehicle level if possible. </div> <ul style="list-style-type: none"> ► Set a higher vehicle level (→ page 234). Depending on the malfunction, the vehicle will be raised.
 <p data-bbox="53 650 374 681">Vehicle rising Please wait</p>	<ul style="list-style-type: none"> * The vehicle level is too low. The vehicle will be raised to the selected vehicle level. ► Wait until the display message disappears before pulling away.
 <p data-bbox="53 826 333 857">Compressor is cooling</p>	<ul style="list-style-type: none"> * Due to frequent level changes within a short space of time, the compressor first needs to cool down in order to set the selected vehicle level. ► Drive on in a manner appropriate for the current level. Make sure that there is sufficient ground clearance. When the compressor has cooled down, the vehicle will continue rising to the selected vehicle level.




Display messages	Possible causes/consequences and ► Solutions
Active Steering Assist currently unavailable See Owner's Manual	<ul style="list-style-type: none"> * Active Steering Assist is temporarily unavailable. The ambient conditions are outside the system limits (→ page 225). <ul style="list-style-type: none"> ► Drive on. As soon as the ambient conditions are within the system limits, the system will become available again. ► If necessary, clean the windscreen in the camera's field of vision. ► Check the tyre pressure if necessary.
Active Steering Assist inoperative	<ul style="list-style-type: none"> * Active Steering Assist is malfunctioning. Active Distance Assist DISTRONIC remains available. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
	<ul style="list-style-type: none"> * Active Steering Assist has reached the system limits(→ page 225). You have not steered independently for a considerable period of time. <ul style="list-style-type: none"> ► Take over the steering and drive on in accordance with the traffic conditions.
Active Steering Assist currently unavailable due to multiple emergency stops	<ul style="list-style-type: none"> * Active Steering Assist is temporarily unavailable due to multiple emergency stops. <ul style="list-style-type: none"> ► Take over the steering and stop in accordance with the traffic conditions. ► Switch the ignition off and switch it back on. Active Steering Assist is available once more.
Active Lane Keeping Assist currently unavailable See Owner's Manual	<ul style="list-style-type: none"> * Active Lane Keeping Assist is temporarily unavailable. The ambient conditions are outside the system limits (→ page 263).




Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Drive on. As soon as the ambient conditions are within the system limits, the system will become available again.
Active Lane Keeping Assist inoperative	<ul style="list-style-type: none"> * Active Lane Keeping Assist is malfunctioning. ► Consult a qualified specialist workshop.
Active Stop-and-Go Assist currently unavailable see Owner's Manual	<ul style="list-style-type: none"> * Active Stop-and-Go Assist is temporarily unavailable. Active Distance Assist DISTRONIC and Active Steering Assist are still available. The ambient conditions are outside the system limits (→ page 231). ► Drive on. As soon as the ambient conditions are within the system limits, the system will become available again.
Active Stop-and-Go Assist inoperative See Owner's Manual	<ul style="list-style-type: none"> * Active Stop-and-Go Assist is malfunctioning. Active Stop-and-Go Assist is deactivated. Active Distance Assist DISTRONIC and Active Steering Assist are still available. ► Consult a qualified specialist workshop.
Blind Spot Assist currently unavailable See Owner's Manual	<ul style="list-style-type: none"> * Blind Spot Assist is temporarily unavailable. The system limits have been reached (→ page 260). ► Drive on. Once the cause of the problem is no longer present, the system will be available again. or



Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the engine.
Blind Spot Assist inoperative	<ul style="list-style-type: none"> * Blind Spot Assist is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
Blind Spot Assist not available when towing a trailer See Owner's Manual	<ul style="list-style-type: none"> * When you establish the electrical connection to the trailer, Blind Spot Assist is unavailable. <ul style="list-style-type: none"> ► Press the left-hand Touch Control and acknowledge the display message.
Active Blind Spot Assist currently unavailable See Owner's Manual	<ul style="list-style-type: none"> * Active Blind Spot Assist is temporarily unavailable. The system limits have been reached (→ page 260). <ul style="list-style-type: none"> ► Drive on. Once the cause of the problem is no longer present, the system will be available again. or ► If the display message does not disappear, stop the vehicle in accordance with the traffic conditions and restart the engine.
Active Blind Spot Assist inoperative	<ul style="list-style-type: none"> * Active Blind Spot Assist is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.



Display messages	Possible causes/consequences and ► Solutions
<p>Active Blind Spot Assist not available when towing a trailer See Owner's Manual</p>	<ul style="list-style-type: none"> * When you establish the electrical connection to the trailer, Active Blind Spot Assist is unavailable. <ul style="list-style-type: none"> ► Press the left-hand Touch Control and acknowledge the display message.
<p>Active Parking Assist and PARKTRONIC inoperative See Owner's Manual</p>	<ul style="list-style-type: none"> * Active Parking Assist and Parking Assist PARKTRONIC are malfunctioning. <ul style="list-style-type: none"> ► Stop the vehicle in accordance with the traffic conditions and restart the engine. ► If the display message still appears, consult a qualified specialist workshop.
<p>Traffic Sign Assist currently unavailable See Owner's Manual</p>	<ul style="list-style-type: none"> * Traffic Sign Assist is temporarily unavailable. <ul style="list-style-type: none"> ► Drive on. Once the cause of the problem is no longer present, the system will be available again.
<p>Traffic Sign Assist inoperative</p>	<ul style="list-style-type: none"> * Traffic Sign Assist is malfunctioning. <ul style="list-style-type: none"> ► Stop the vehicle in accordance with the traffic conditions and restart the engine. ► If the display message still appears, consult a qualified specialist workshop.

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="118 619 384 681">Currently unavailable Radar dirty</p>	<p data-bbox="527 184 1304 215">* The radar sensor system is malfunctioning. Possible causes:</p> <ul data-bbox="558 231 1391 344" style="list-style-type: none"> <li data-bbox="558 231 833 256">• dirt on the sensors <li data-bbox="558 272 833 298">• heavy rain or snow <li data-bbox="558 313 1391 344">• extended country driving without other traffic, e.g. in the desert <p data-bbox="551 365 1712 396">Driving systems and driving safety systems may be malfunctioning or temporarily unavailable.</p> <p data-bbox="551 407 1988 469">Once the cause of the problem is no longer present, the driving systems and driving safety systems will be available again.</p> <p data-bbox="551 484 1085 515">If the display message does not disappear:</p> <ul data-bbox="551 526 1314 645" style="list-style-type: none"> <li data-bbox="551 526 1314 557">► Stop the vehicle in accordance with the traffic conditions. <li data-bbox="551 567 1003 598">► Clean all sensors (→ page 465). <li data-bbox="551 609 833 640">► Restart the engine.


Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="53 726 390 785">currently unavailable Camera dirty</p>	<p data-bbox="466 184 1075 210">* The camera view is restricted. Possible causes:</p> <ul data-bbox="496 228 1187 339" style="list-style-type: none"> <li data-bbox="496 228 1187 254">• Dirt on the windscreen in the camera's field of vision <li data-bbox="496 270 825 296">• Heavy rain, snow or fog <li data-bbox="496 311 1099 337">• Mist on the windscreen in front of the camera <p data-bbox="490 363 1902 422">  Mist detected on the windscreen will be automatically removed using a built-in heater within approximately 12 minutes. </p> <p data-bbox="486 441 1647 467">Driving systems and driving safety systems may be malfunctioning or temporarily unavailable.</p> <p data-bbox="486 482 1923 541">Once the cause of the problem is no longer present, the driving systems and driving safety systems will be available again.</p> <p data-bbox="486 557 1022 583">If the display message does not disappear:</p> <ul data-bbox="486 601 1248 674" style="list-style-type: none"> <li data-bbox="486 601 1248 627">► Stop the vehicle in accordance with the traffic conditions. <li data-bbox="486 643 966 669">► Clean the windscreen if necessary.
 <p data-bbox="53 933 98 959">Off</p>	<p data-bbox="466 821 1821 847">* The HOLD function is deactivated because the vehicle is slipping or a condition for activation is not fulfilled.</p> <ul data-bbox="486 862 1866 888" style="list-style-type: none"> <li data-bbox="486 862 1866 888">► Reactivate the HOLD function later or check the activation conditions for the HOLD function (→ page 232).



Display messages	Possible causes/consequences and ► Solutions
 <p>--- km/h</p>	<ul style="list-style-type: none"> * Active Distance Assist DISTRONIC cannot be activated as not all activation conditions are fulfilled. <ul style="list-style-type: none"> ► Comply with the activation conditions of Active Distance Assist DISTRONIC (→ page 221).
 <p>suspended</p>	<ul style="list-style-type: none"> * If you depress the accelerator pedal beyond the Active Distance Assist DISTRONIC setting, the system will switch to passive mode (→ page 219).
 <p>Off</p>	<ul style="list-style-type: none"> * Active Distance Assist DISTRONIC was deactivated. If a warning tone also sounds, Active Distance Assist DISTRONIC has deactivated automatically (→ page 221).
<p>Active Distance Assist currently unavailable See Owner's Manual</p>	<ul style="list-style-type: none"> * Active Distance Assist DISTRONIC is temporarily unavailable. The ambient conditions are outside the system limits (→ page 219). <ul style="list-style-type: none"> ► Drive on. As soon as the ambient conditions are within the system limits, the system will become available again.
<p>Active Distance Assist inoperative</p>	<ul style="list-style-type: none"> * Active Distance Assist DISTRONIC is malfunctioning. Other driving systems and driving safety systems may also be malfunctioning.


Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
Active Distance Assist available again	<ul style="list-style-type: none"> * Active Distance Assist DISTRONIC is operational again and can be activated (→ page 221).
 <p>--- km/h</p>	<ul style="list-style-type: none"> * Cruise control cannot be activated as not all activation conditions are fulfilled. <ul style="list-style-type: none"> ► Observe the activation conditions for cruise control (→ page 217).
Cruise control inoperative	<ul style="list-style-type: none"> * Cruise control is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
Cruise control and Limiter inoperative	<ul style="list-style-type: none"> * Cruise control and the limiter are malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
Cruise control off	<ul style="list-style-type: none"> * Cruise control has been deactivated. <p>If there is an additional warning tone, cruise control has been deactivated automatically (→ page 215).</p>
 <p>passive</p>	<ul style="list-style-type: none"> * If you depress the accelerator pedal beyond the point of resistance (kickdown), the limiter will be switched to passive mode (→ page 217).

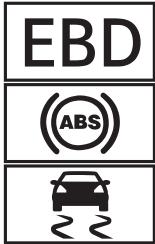
Display messages	Possible causes/consequences and ► Solutions
 <p>--- km/h</p>	<ul style="list-style-type: none"> * The limiter cannot be activated as not all activation conditions have been fulfilled. <ul style="list-style-type: none"> ► Observe the activation conditions of the limiter (→ page 217).
<p>Limiter inoperative</p>	<ul style="list-style-type: none"> * The limiter is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop.
<p>Speed limit (winter tyres) XXX km/h</p>	<ul style="list-style-type: none"> * You have reached the maximum permissible stored speed for winter tyres. It is not possible to exceed this speed.
 <p>Maximum speed exceeded</p>	<ul style="list-style-type: none"> * You have exceeded the maximum permissible speed (for certain countries only). <ul style="list-style-type: none"> ► Drive more slowly.

Driving safety systems

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="53 456 369 515">currently unavailable See Owner's Manual</p>	<p data-bbox="466 236 1907 384">* ABS and ESP[®] are temporarily unavailable. Other driving systems and driving safety systems (e.g. BAS) may also be temporarily unavailable. The brake system will continue to operate normally. Braking distance may increase in an emergency braking situation.</p> <div data-bbox="492 410 1923 684" style="border: 1px solid gray; padding: 5px;"> <p data-bbox="513 420 1351 453">▲ WARNING Risk of skidding if ABS and ESP[®] are malfunctioning</p> <p data-bbox="513 474 1902 505">The wheels may block during braking and ESP[®] does not perform any vehicle stabilization.</p> <p data-bbox="513 519 1902 581">The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.</p> <ul style="list-style-type: none"> <li data-bbox="513 596 778 622">► Drive on carefully. <li data-bbox="513 638 1504 669">► Have ABS and ESP[®] checked immediately at a qualified specialist workshop. </div> <p data-bbox="486 705 1907 778">► Drive carefully on a suitable stretch of road, making slight steering movements at a speed above 30 km/h. ► If the display message does not disappear, consult a qualified specialist workshop immediately. Drive carefully.</p>


Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="118 408 425 464">inoperative See Owner's Manual</p>	<p data-bbox="527 184 1972 333">* ABS and ESP® are malfunctioning. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning. The brake system will continue to operate normally. Braking distance may increase in an emergency braking situation.</p> <p data-bbox="576 370 1414 406">▲ WARNING Risk of skidding if ABS and ESP® are malfunctioning</p> <p data-bbox="576 422 1964 457">The wheels may block during braking and ESP® does not perform any vehicle stabilization.</p> <p data-bbox="576 468 1964 530">The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.</p> <ul data-bbox="576 547 1563 623" style="list-style-type: none"> ► Drive on carefully. ► Have ABS and ESP® checked immediately at a qualified specialist workshop.
 <p data-bbox="118 771 433 833">currently unavailable See Owner's Manual</p>	<p data-bbox="527 656 1645 733">* ESP® is temporarily unavailable. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.</p> <p data-bbox="576 768 1283 803">▲ WARNING Risk of skidding if ESP® is malfunctioning</p> <p data-bbox="576 820 1943 882">If ESP® is malfunctioning, ESP® cannot carry out vehicle stabilisation. In addition, other driving safety systems are switched off.</p> <ul data-bbox="576 899 842 934" style="list-style-type: none"> ► Drive on carefully.

Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ▶ Have ESP® checked at a qualified specialist workshop. ▶ Drive carefully on a suitable stretch of road, making slight steering movements at a speed above 30 km/h. ▶ If the display message does not disappear, consult a qualified specialist workshop immediately. Drive carefully.
<div style="text-align: center;">  </div> <p data-bbox="53 470 359 529">inoperative See Owner's Manual</p>	<p data-bbox="466 356 784 387">* ESP® is malfunctioning.</p> <p data-bbox="486 399 1631 430">Other driving systems and driving safety systems (e.g. the BAS) may also be malfunctioning.</p> <p data-bbox="486 443 1909 501">The brake system will continue to operate normally. Braking distance may increase in an emergency braking situation.</p> <div style="background-color: #e0e0e0; padding: 5px; margin: 10px 0;"> <p data-bbox="515 540 1222 571">▲ WARNING Risk of skidding if ESP® is malfunctioning</p> </div> <p data-bbox="506 594 1880 656">If ESP® is malfunctioning, ESP® cannot carry out vehicle stabilisation. In addition, other driving safety systems are switched off.</p> <ul style="list-style-type: none"> ▶ Drive on carefully. ▶ Have ESP® checked at a qualified specialist workshop.



Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="118 511 425 570">inoperative See Owner's Manual</p>	<p data-bbox="527 184 1645 260">* EBD, ABS and ESP® are malfunctioning. Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.</p> <div data-bbox="553 280 1984 557" style="border: 1px solid gray; padding: 5px;"> <p data-bbox="574 291 1483 329">▲ WARNING Risk of skidding if EBD, ABS and ESP® are malfunctioning</p> <p data-bbox="574 348 1964 381">The wheels may block during braking and ESP® does not perform any vehicle stabilization.</p> <p data-bbox="574 391 1964 453">The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.</p> <ul data-bbox="574 467 1600 539" style="list-style-type: none"> <li data-bbox="574 467 840 498">► Drive on carefully. <li data-bbox="574 508 1600 539">► Have the brake system checked immediately at a qualified specialist workshop. </div>
<p data-bbox="118 605 451 695">Active Brake Assist Functions currently limited See Owner's Manual</p>	<p data-bbox="527 605 1964 671">* Vehicles with the Driving Assistance Package: Active Brake Assist with cross-traffic function, Evasive Steering Assist or PRE-SAFE® PLUS are temporarily unavailable or only partially available.</p> <p data-bbox="527 681 1984 747">Vehicles without the Driving Assistance Package: Active Brake Assist is temporarily unavailable or only partially available.</p> <p data-bbox="527 758 1402 789">The ambient conditions are outside the system limits (→ page 208).</p> <ul data-bbox="553 799 1882 866" style="list-style-type: none"> <li data-bbox="553 799 707 830">► Drive on. <li data-bbox="553 830 1882 866">As soon as the ambient conditions are within the system limits, the system will become available again.


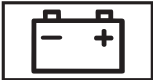

Display messages	Possible causes/consequences and ► Solutions
<p>Active Brake Assist Functions limited See Owner's Manual</p>	<p>* Vehicles with Driving Assistance Package: Active Brake Assist with cross-traffic function, Evasive Steering Assist or PRE-SAFE® PLUS is malfunctioning.</p> <p>Vehicles without Driving Assistance Package: Active Brake Assist is malfunctioning.</p> <p>► Consult a qualified specialist workshop.</p>



Mercedes me connect

Display messages	Possible causes/consequences and ► Solutions
<p>Device detected at diagnostics connection See Owner's Manual</p>	<p>* The vehicle functions for fault detection are restricted.</p> <p>At least one of the main functions of the Mercedes me connect system is malfunctioning.</p> <p>► Observe the notes on the diagnostics connection (→ page 29).</p> <p>► Consult a qualified specialist workshop.</p>
 <p>Inoperative</p>	<p>* At least one of the main functions of the Mercedes me connect system or of the SOS emergency call system is malfunctioning.</p> <p>► Consult a qualified specialist workshop.</p>

Battery

Display messages	Possible causes/consequences and ► Solutions
 <p>12 V on-board electrical system Visit workshop</p>	<ul style="list-style-type: none"> * The 12 V on-board electrical system is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop immediately.
 <p>Stop vehicle See Owner's Manual</p>	<ul style="list-style-type: none"> * The battery is no longer being charged and the charge level is too low. <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>! NOTE Possible engine damage if you continue driving</p> <ul style="list-style-type: none"> ► Do not continue driving under any circumstances. ► Consult a qualified specialist workshop. </div> <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ► Switch off the engine. ► Consult a qualified specialist workshop.



Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="53 298 351 363">Switch on the engine to charge the 12 V battery</p>	<ul style="list-style-type: none"> * The engine is off and the charge level of the 12 V battery is too low. <ul style="list-style-type: none"> ► Switch off electrical consumers that are not required. To charge the 12 V battery: <ul style="list-style-type: none"> ► Leave the engine running for a few minutes, or drive an extended distance.
 <p data-bbox="53 508 384 601">Stop the vehicle Leave the engine running to charge the 12 V battery</p>	<ul style="list-style-type: none"> * The battery charge level is too low. <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ► Leave the engine running. ► Wait until the display message disappears before pulling away. ► If the display message does not disappear: consult a qualified specialist workshop.
 <p data-bbox="53 750 372 809">Stop vehicle See Owner's Manual</p>	<ul style="list-style-type: none"> * The 48 V on-board electrical system is malfunctioning. <ul style="list-style-type: none"> ► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ► Switch off the engine. ► Consult a qualified specialist workshop.



Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="118 298 441 360">48 V battery See Owner's Manual</p>	<p data-bbox="527 182 1841 213">* The 48 V on-board electrical system has function restrictions. Convenience functions may be restricted.</p> <ul style="list-style-type: none"> <li data-bbox="547 223 1248 254">► Consult a qualified specialist workshop immediately.
 <p data-bbox="118 505 425 567">Please wait 48 V battery charging</p>	<p data-bbox="527 389 1968 456">* The 48 V battery is discharged. You have switched on the ignition while the 12 V battery was being charged with a suitable charger or while another vehicle was providing starting assistance.</p> <p data-bbox="547 467 1943 529">The discharged 48 V battery is charged automatically via the voltage converter. After a few minutes, the driver's display will show the display message Motor can be started again.</p> <ul style="list-style-type: none"> <li data-bbox="547 539 805 570">► Start the engine. <li data-bbox="547 581 1937 648">► Drive the vehicle for a while to charge the 12 V battery and the 48 V battery after disconnecting the charger from the vehicle. <p data-bbox="547 679 1637 710">If the Motor can be started again display message does not appear after a few minutes:</p> <ul style="list-style-type: none"> <li data-bbox="547 721 952 752">► Try to start the engine again. <li data-bbox="547 762 1438 793">► If the engine does not start, consult a qualified specialist workshop.
<p data-bbox="118 819 421 881">Cannot start engine See Owner's Manual</p>	<p data-bbox="527 819 1569 850">* The charge level of the 48 V battery is too low. You can no longer start the engine.</p> <ul style="list-style-type: none"> <li data-bbox="547 860 1259 891">► Switch off electrical consumers that are not required.

Display messages	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Connect a suitable charger approved for Mercedes-Benz with sufficient charge output to the jump-start connection point of the 12 V battery (→ page 480). The 48 V battery is charged via the voltage converter in the vehicle.
Motor can be started again	<ul style="list-style-type: none"> * The 48 V battery has been charged automatically via the voltage converter. ► Start the engine and drive the vehicle for a while to charge the 12 V battery and the 48 V battery.

Tyre pressure monitor


Display messages	Possible causes/consequences and ► Solutions
Tyre press. monitor currently unavailable	<ul style="list-style-type: none"> * There is interference from a powerful radio signal source. As a result, no signals from the tyre pressure sensors are being received. The tyre pressure monitor is temporarily unavailable. ► Drive on. The tyre pressure monitor will restart automatically as soon as the cause has been rectified.
Tyre press. monitor inoperative	<ul style="list-style-type: none"> * The tyre pressure monitor is malfunctioning. <div style="background-color: #e0e0e0; padding: 5px; margin-bottom: 5px;"> <p>⚠ WARNING There is a risk of an accident if the tyre pressure monitoring system is malfunctioning</p> </div> <div style="background-color: #ffff00; padding: 5px; margin-bottom: 5px;"> <p>The tyre pressure monitoring system cannot issue a warning if there is pressure loss in one or more of the tyres.</p> </div> <p>Tyres with insufficient tyre pressure may impair the driving characteristics as well as steering and braking.</p>




Display messages	Possible causes/consequences and ► Solutions
	<p>► Have the tyre pressure monitoring system checked at a qualified specialist workshop.</p>
<p>Tyre press. monitor inoperative No wheel sensors</p>	<p>* The wheels fitted do not have suitable tyre pressure sensors. The tyre pressure monitor is deactivated. ► Fit wheels with suitable tyre pressure sensors.</p>
 <p>Wheel sensor(s) missing</p>	<p>* There is no signal from the tyre pressure sensor of one or more wheels. No pressure value is displayed for the affected tyre. ► Have the faulty tyre pressure sensor replaced at a qualified specialist workshop.</p>
 <p>Check tyre(s)</p>	<p>* The tyre pressure in one or more tyres has dropped significantly. The wheel position will be displayed.</p> <p>▲ WARNING Risk of an accident due to insufficient tyre pressure</p> <ul style="list-style-type: none"> • The tyres can burst. • The tyres can wear excessively and/or unevenly. • The driving characteristics as well as the steering and braking may be greatly impaired. <p>You could then lose control of the vehicle.</p> <p>► Observe the recommended tyre pressures. ► Adjust the tyre pressure if necessary.</p> <p>► Stop the vehicle in accordance with the traffic conditions.</p>




Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="53 350 314 379">Rectify tyre pressure</p>	<p data-bbox="486 182 1193 211">► Check the tyre pressure (→ page 492) and the tyres.</p> <p data-bbox="466 234 1876 296">* The tyre pressure is too low in at least one of the tyres, or the difference in tyre pressure between the individual wheels is too great.</p> <p data-bbox="486 308 1148 337">► Check the tyre pressure and add air, if necessary.</p> <p data-bbox="486 350 1696 379">► When the tyre pressure is correct, restart the tyre pressure monitoring system (→ page 495).</p>
 <p data-bbox="53 526 302 555">Warning tyre defect</p>	<p data-bbox="466 410 1712 439">* The tyre pressure in one or more tyres has dropped suddenly. The wheel position will be displayed.</p> <div data-bbox="490 462 1921 750" style="border: 1px solid #ccc; padding: 10px;"> <p data-bbox="515 474 1287 503">▲ WARNING Risk of an accident from driving with a flat tyre</p> <ul data-bbox="515 524 1635 596" style="list-style-type: none"> <li data-bbox="515 524 1050 553">• The tyres can overheat and cause a fire. <li data-bbox="515 565 1635 594">• The driving characteristics as well as the steering and braking may be greatly impaired. <p data-bbox="515 617 1030 646">You could then lose control of the vehicle.</p> <ul data-bbox="515 658 948 731" style="list-style-type: none"> <li data-bbox="515 658 948 687">► Do not drive on with a flat tyre. <li data-bbox="515 700 948 729">► Observe the notes on flat tyres. </div> <p data-bbox="486 772 907 801">Notes on flat tyres (→ page 470).</p> <p data-bbox="486 814 1250 843">► Stop the vehicle in accordance with the traffic conditions.</p> <p data-bbox="486 855 735 884">► Check the tyres.</p>
<p data-bbox="53 907 290 936">Tyre(s) overheated</p>	<p data-bbox="466 907 1876 969">* At least one tyre is overheating. The affected tyres are displayed in red. At temperatures close to the limit value, the tyres are displayed in yellow.</p>


Display messages	Possible causes/consequences and ► Solutions
	<p>▲ WARNING Risk of an accident from driving with overheated tyres</p> <p>Overheated tyres can burst.</p> <p>► Reduce speed so that the tyres cool down.</p>
Reduce speed	<p>* At least one tyre is overheating. The affected tyres are displayed in red. At temperatures close to the limit value, the tyres are displayed in yellow.</p> <p>▲ WARNING Risk of an accident from driving with overheated tyres</p> <p>Overheated tyres can burst.</p> <p>► Reduce speed so that the tyres cool down.</p>

Exhaust gas aftertreatment


Display messages	Possible causes/consequences and ► Solutions
 <p>Refill AdBlue See Owner's Manual</p>	<p>* The AdBlue® level has fallen below the reserve range.</p> <p>► Top up AdBlue® immediately (→ page 194).</p>



Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="53 298 396 391">Top up AdBlue Emergency op. in XXX km See Owner's Manual</p>	<ul style="list-style-type: none"> * The low AdBlue® level will lead to limited performance after the remaining distance displayed has been driven. <ul style="list-style-type: none"> ► Top up AdBlue® immediately (→ page 194).
 <p data-bbox="53 543 351 668">XX,X Top up AdBlue Emerg. op.: max. XXX km/h Start not poss. in XXX km</p>	<ul style="list-style-type: none"> * The low AdBlue® level will lead to limited performance starting from the speed displayed. After the remaining distance displayed has been covered, it will no longer be possible to start the engine. <ul style="list-style-type: none"> ► Add at least the amount of AdBlue® displayed (→ page 194).
 <p data-bbox="53 819 390 912">XX,X Top up AdBlue Switch on ignition, wait 60 sec. or eng. start not poss.</p>	<ul style="list-style-type: none"> * The AdBlue® tank is empty. You can no longer start the engine. <ul style="list-style-type: none"> ► Add at least the amount of AdBlue® displayed (→ page 194). ► Switch on the ignition and wait for approximately 60 seconds. ► Start the engine.



Display messages	Possible causes/consequences and ► Solutions
 <p>AdBlue system fault See Owner's Manual</p>	<ul style="list-style-type: none"> * The AdBlue® system is malfunctioning. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop immediately.
 <p>AdBlue system malfunction Emergency op. in XXX km See Owner's Manual</p>	<ul style="list-style-type: none"> * The AdBlue® system is malfunctioning. Performance will be reduced once the remaining distance displayed has been covered. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop immediately.
 <p>AdBlue system malfunction Emerg. op.: max. XXX km/h Start not poss. in XXX km</p>	<ul style="list-style-type: none"> * Power restriction due to the AdBlue® system fault. After the distance displayed has been covered, it will no longer be possible to start the engine. <ul style="list-style-type: none"> ► Consult a qualified specialist workshop immediately.

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="53 298 394 363">AdBlue system fault Engine start not possible</p>	<p data-bbox="461 184 1412 215">* The AdBlue® system is malfunctioning. You can no longer start the engine.</p> <ul style="list-style-type: none"> <li data-bbox="486 228 1187 260">► Consult a qualified specialist workshop immediately.

Engine oil

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="53 664 394 729">Add 1 litre engine oil when next refuelling</p>	<p data-bbox="461 550 1167 622">* Display message only for certain engines: The engine oil level has dropped to the minimum level.</p> <div data-bbox="492 646 1917 754" style="border: 1px solid black; padding: 5px;"> <p data-bbox="513 656 1391 687">! NOTE Engine damage caused by driving with insufficient engine oil</p> <ul style="list-style-type: none"> <li data-bbox="513 708 1140 739">► Avoid long journeys with insufficient engine oil. </div> <p data-bbox="486 774 1283 806">► When next refuelling, add 1 litre of engine oil (→ page 459).</p> <p data-bbox="486 826 921 857">Notes on engine oil (→ page 569).</p>

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="118 298 445 360">Engine oil level Reduce oil level</p>	<p data-bbox="527 184 1069 256">* Display message only for certain engines: The engine oil level is too high.</p> <div data-bbox="553 280 1984 387" style="border: 1px solid black; padding: 5px;"> <p data-bbox="574 291 1406 322">! NOTE Engine damage caused by driving with excess engine oil</p> <p data-bbox="574 342 1150 373">► Avoid long journeys with excess engine oil.</p> </div> <p data-bbox="547 408 1719 439">► Consult a qualified specialist workshop immediately and have the engine oil level reduced.</p>
 <p data-bbox="118 576 445 638">Engine oil level Stop vehicle Switch engine off</p>	<p data-bbox="527 462 1069 534">* Display message only for certain engines: The engine oil level is too low.</p> <div data-bbox="553 558 1984 665" style="border: 1px solid black; padding: 5px;"> <p data-bbox="574 568 1459 599">! NOTE Engine damage caused by driving with insufficient engine oil</p> <p data-bbox="574 620 1203 651">► Avoid long journeys with insufficient engine oil.</p> </div> <p data-bbox="547 685 1780 843"> ► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ► Switch off the engine. ► Add 1 l of engine oil (→ page 459). ► Check the engine oil level. </p> <p data-bbox="547 864 987 895">Notes on engine oil (→ page 569).</p>

Display messages	Possible causes/consequences and ► Solutions
 <p data-bbox="53 298 359 363">Engine oil pressure Stop Switch off engine</p>	<p data-bbox="466 182 1007 254">* Display message only for certain engines: The oil pressure is too low.</p> <div data-bbox="492 277 1923 386" style="border: 1px solid black; padding: 5px;"> <p data-bbox="513 291 1418 322">! NOTE Engine damage caused by driving with insufficient oil pressure</p> <p data-bbox="513 339 1085 370">► Avoid driving with insufficient oil pressure.</p> </div> <p data-bbox="486 407 1712 479"> ► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. ► Consult a qualified specialist workshop. </p>
 <p data-bbox="53 616 374 678">Engine oil level cannot be measured</p>	<p data-bbox="466 503 1725 576">* The electrical connection to the oil level sensor has been interrupted or the oil level sensor is faulty. ► Consult a qualified specialist workshop.</p>

Warning and indicator lamps








Overview of indicator and warning lamps

















Some systems will perform a self-test when the ignition is switched on. Some indicator and warning lamps may briefly light up or flash. This behaviour is non-critical. These indicator and





warning lamps indicate a malfunction only if they light up or flash after the engine has been started or during a journey.

Driver's display



Indicator and warning lamps:


-  Restraint system (→ page 636)
-  Seat belt (→ page 636)
-  Trailer hitch (→ page 637)
-  Electric power steering (yellow) (→ page 637)
-  Electric power steering (red) (→ page 637)
-  Rear axle steering (yellow) (→ page 637)
-  Rear axle steering (red) (→ page 637)

-  Coolant temperature (→ page 640)
-  Engine diagnostics (→ page 640)
-  Preglow
-  Electrical fault (→ page 640)
-  Reserve fuel with fuel filler flap location indicator (→ page 640)
-  Electric parking brake (red) (→ page 643)
-  Electric parking brake (yellow) (→ page 643)
-  Brakes (yellow) (→ page 643)
-  Brakes (red) (→ page 643)
-  Distance warning (→ page 645)
-  AIRMATIC / E-ACTIVE BODY CONTROL (→ page 645)
-  ABS (→ page 646)
-  ESP® (→ page 646)
-  ESP® OFF (→ page 646)
-  Tyre pressure monitor (→ page 649)
-  Standing lights (→ page 143)


-  Low beam (→ page 143)
-  High beam (→ page 145)
-  Turn signal lights (→ page 145)
-  Rear fog light (→ page 143)



Occupant safety



Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="53 350 372 412">Restraint system warning lamp</p>	<p data-bbox="439 233 1324 264">The red restraint system warning lamp is lit while the engine is running.</p> <p data-bbox="453 274 1120 305">*The restraint system is malfunctioning (→ page 36).</p> <div data-bbox="472 329 1902 474" style="border: 1px solid gray; padding: 5px;"> <p data-bbox="486 339 1391 370">⚠ WARNING Risk of injury due to malfunctions in the restraint system</p> <p data-bbox="492 388 1862 419">Components in the restraint system may be activated unintentionally or not deploy as intended in an accident.</p> <p data-bbox="492 433 1719 464">► Have the restraint system checked and repaired immediately at a qualified specialist workshop.</p> </div> <ul data-bbox="466 498 1167 616" style="list-style-type: none"> <li data-bbox="466 498 737 529">► Drive on carefully. <li data-bbox="466 539 1038 570">► Note the messages on the driver's display. <li data-bbox="466 581 1167 612">► Consult a qualified specialist workshop immediately.
 <p data-bbox="53 754 343 816">Seat belt warning lamp flashes</p>	<p data-bbox="439 637 1441 668">The red seat belt warning lamp flashes and an intermittent warning tone sounds.</p> <p data-bbox="453 678 1596 709">* The driver or front passenger has not fastened their seat belt while the vehicle is in motion.</p> <ul data-bbox="466 720 1146 833" style="list-style-type: none"> <li data-bbox="466 720 942 751">► Fasten your seat belt(→ page 40). <li data-bbox="453 761 1044 792">* There are objects on the front passenger seat. <li data-bbox="466 802 1146 833">► Remove the objects from the front passenger seat.

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="118 298 408 360">Seat belt warning lamp lights up</p>	<p data-bbox="500 182 1400 213">The red seat belt warning lamp will light up once the engine has started.</p> <p data-bbox="500 225 983 256">In addition, a warning tone may sound.</p> <p data-bbox="515 269 1678 300">* The seat belt warning lamp reminds the driver and front passenger to fasten their seat belts.</p> <ul style="list-style-type: none"> <li data-bbox="531 312 1013 343">► Fasten your seat belt (→ page 40). <p data-bbox="531 364 1743 395">If you have placed objects on the front passenger seat, the seat belt warning lamp may remain lit.</p>

Vehicle

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="118 687 425 750">Trailer tow hitch warning lamp</p>	<p data-bbox="500 571 989 602">The red trailer hitch warning lamp is lit.</p> <p data-bbox="515 615 1150 646">* The trailer hitch is not operational or is swivelling.</p> <div data-bbox="533 667 1984 902" style="border: 1px solid gray; padding: 10px;"> <p data-bbox="547 677 1344 708">⚠ WARNING Risk of an accident if the ball neck is not locked</p> <p data-bbox="553 729 1964 760" style="background-color: yellow;">The trailer may become detached.</p> <ul style="list-style-type: none"> <li data-bbox="553 770 1780 801">► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. <li data-bbox="553 812 1275 843">► Uncouple the trailer and secure it against rolling away. <li data-bbox="553 853 1917 884">► Initiate a new swivel movement and do not re-couple the trailer until the warning/indicator lamp goes out. </div> <ul style="list-style-type: none"> <li data-bbox="531 924 1105 955">► Note the messages on the driver's display.

Warning/indicator lamp	Possible causes/consequences and ► Solutions
	<p>If the trailer hitch is swivelling:</p> <ul style="list-style-type: none"> ► Wait until the ball neck has reached the operational position.
 <p>Warning lamp for electric power steering</p>	<p>The yellow electric power steering warning lamp is lit while the engine is running.</p> <p>* The power-assisted steering or the steering itself is malfunctioning.</p> <ul style="list-style-type: none"> ► Note the messages on the driver's display.
 <p>Warning lamp for electric power steering</p>	<p>The red electric power steering warning lamp is lit while the engine is running.</p> <p>*The power-assisted steering or the steering itself is malfunctioning.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>⚠ WARNING Risk of accident if steering capability is impaired</p> <p>If the steering does not function as intended, the vehicle's operating safety is jeopardised.</p> <ul style="list-style-type: none"> ► Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. Do not continue driving under any circumstances. ► Consult a qualified specialist workshop. </div> <ul style="list-style-type: none"> ► Note the messages on the driver's display.

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="118 298 455 365">Rear axle steering warning lamp</p>	<p data-bbox="500 184 1441 215">The yellow rear axle steering warning lamp is lit while the engine is running.</p> <p data-bbox="500 225 1032 256">* The rear axle steering is malfunctioning.</p> <p data-bbox="527 267 1103 298">► Note the messages on the driver's display.</p>
 <p data-bbox="118 500 455 567">Rear axle steering warning lamp</p>	<p data-bbox="500 386 1400 417">The red rear axle steering warning lamp is lit while the engine is running.</p> <p data-bbox="500 427 1032 458">*The rear axle steering is malfunctioning.</p> <div data-bbox="533 479 1988 702" style="border: 1px solid black; padding: 10px;"> <p data-bbox="547 490 1359 521">⚠ WARNING Risk of accident if steering capability is impaired</p> <p data-bbox="553 541 1676 572">If the steering does not function as intended, the vehicle's operating safety is jeopardised.</p> <ul style="list-style-type: none"> <li data-bbox="553 583 1931 645">► Pull over and stop the vehicle safely as soon as possible, paying attention to road and traffic conditions. Do not continue driving under any circumstances. <li data-bbox="553 655 1093 686">► Consult a qualified specialist workshop. </div> <p data-bbox="527 723 1103 754">► Note the messages on the driver's display.</p>

Engine

Warning/indicator lamp



Coolant warning lamp

Possible causes/consequences and ► Solutions

The red coolant warning lamp is lit while the engine is running.

*Possible causes:

- The temperature sensor is malfunctioning
- The coolant level is too low
- The air supply to the radiator is obstructed
- The radiator fan is faulty

If there is an additional warning tone, the coolant temperature has exceeded 120 °C.


▲ WARNING Danger of burns when opening the bonnet



If you open the engine bonnet when the engine has overheated or during a fire in the engine compartment, you could come into contact with hot gases or other escaping operating fluids.

- Before opening the bonnet, allow the engine to cool down.
- In the event of a fire in the engine compartment, keep the engine bonnet closed and call the fire service.




- Stop the vehicle immediately in accordance with the traffic conditions and switch off the engine. Do not continue driving.
- Note the messages on the driver's display.


If the coolant temperature display is at the lower end of the temperature scale:

Warning/indicator lamp	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ► Consult a qualified specialist workshop. or ► Exit the vehicle and keep a safe distance from it until the engine has cooled down. ► Check the coolant level (→ page 460). ► Make sure that the air supply to the radiator is not obstructed. ► Avoiding high loads on the engine, drive to the nearest qualified specialist workshop. In doing so, ensure that the coolant temperature display remains below 120 °C.
 <p data-bbox="118 598 437 660">Engine diagnosis warning lamp</p>	<p data-bbox="502 480 1455 511">The yellow engine diagnostics warning lamp is lit while the engine is running.</p> <p data-bbox="519 524 1537 555">*A malfunction has occurred in the engine, the exhaust system or the fuel system.</p> <p data-bbox="531 567 1943 598">The emissions limit value may have been exceeded and the engine may be running in emergency operation mode.</p> <ul style="list-style-type: none"> ► Have the vehicle checked as soon as possible at a qualified specialist workshop. <p data-bbox="519 652 1391 683">*Vehicles with a diesel engine: the fuel tank may have been run dry.</p> <ul style="list-style-type: none"> ► Start the engine three to four times after refuelling. <p data-bbox="576 729 1968 791">If the yellow engine diagnosis warning lamp goes out, emergency operation mode is cancelled. The vehicle need not be checked.</p>

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="57 298 343 360">Electrical fault warning lamp</p>	<p data-bbox="441 182 962 213">The red electrical fault warning lamp is lit.</p> <ul data-bbox="441 223 1044 301" style="list-style-type: none"><li data-bbox="441 223 854 254">* There is a fault in the electrics.<li data-bbox="461 265 1044 301">► Note the messages on the driver's display.
 <p data-bbox="57 497 384 559">Fuel reserve warning lamp lights up</p>	<p data-bbox="441 386 1361 417">The yellow fuel reserve warning lamp lights up while the engine is running.</p> <ul data-bbox="441 427 1109 500" style="list-style-type: none"><li data-bbox="441 427 1109 458">* The fuel supply has dropped into the reserve range.<li data-bbox="461 469 605 500">► Refuel.



Brakes


Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p>Electric parking brake indicator lamp (red)</p>  <p>The electric parking brake (yellow) indicator lamp</p>	<p>The red electric parking brake indicator lamp flashes or is lit. The yellow electric parking brake indicator lamp also lights up in the event of a malfunction.</p> <p>* ► Note the messages on the driver's display.</p>
 <p>Brake system warning lamp (yellow)</p>	<p>The yellow brake system warning lamp is lit while the engine is running.</p> <p>* ▲ WARNING Risk of an accident due to a brake system malfunction</p> <p>If the brake system is malfunctioning, braking characteristics may be impaired.</p> <ul style="list-style-type: none"> ► Drive on carefully. ► Have the brake system checked immediately at a qualified specialist workshop. <p>► Adjust your speed and drive on carefully, leaving a suitable distance to the vehicle in front.</p> <p>► If the driver display shows a display message, observe it.</p>

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="53 350 400 412">Brake system warning lamp (red)</p>	<p data-bbox="466 182 1007 213">► Consult a qualified specialist workshop.</p> <p data-bbox="437 234 1289 265">The red brake system warning lamp is lit while the engine is running.</p> <p data-bbox="453 275 676 306">*Possible causes:</p> <ul data-bbox="476 317 1651 389" style="list-style-type: none"> • The brake force boosting is malfunctioning and the braking characteristics may be affected. • There is insufficient brake fluid in the brake fluid reservoir. <p data-bbox="466 415 1040 446">► Note the messages on the driver's display.</p> <div data-bbox="472 467 1923 692" style="border: 1px solid gray; padding: 5px;"> <p data-bbox="486 477 1524 508">▲ WARNING Risk of accident and injury if brake force boosting is malfunctioning</p> <p data-bbox="486 524 1888 591">If brake force boosting is malfunctioning, increased brake pedal force may be necessary for braking. The braking characteristics may be impaired. The braking distance can increase in emergency braking situations.</p> <ul data-bbox="486 601 1283 674" style="list-style-type: none"> ► Stop in a safe location immediately. Do not continue driving! ► Consult a qualified specialist workshop. </div> <div data-bbox="472 712 1923 940" style="border: 1px solid gray; padding: 5px;"> <p data-bbox="486 723 1263 754">▲ WARNING Risk of an accident due to low brake fluid level</p> <p data-bbox="486 769 1735 800">If the brake fluid level is too low, the braking effect and the braking characteristics may be impaired.</p> <ul data-bbox="486 811 1847 925" style="list-style-type: none"> ► Stop the vehicle as soon as possible, paying attention to road and traffic conditions. Do not continue driving. ► Consult a qualified specialist workshop. </div>


Warning/indicator lamp	Possible causes/consequences and ► Solutions
	<p>► Do not top up the brake fluid.</p>



Driving systems


Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p>Warning lamp for distance warning function</p>	<p>The red distance warning lamp lights up while the vehicle is in motion.</p> <p>* The distance to the vehicle in front is too small for the speed selected.</p> <p>If there is an additional warning tone, you are approaching an obstacle at too high a speed.</p> <ul style="list-style-type: none"> ► Be prepared to brake immediately. ► Increase the distance. <p>Function of Active Brake Assist (→ page 208).</p>
 <p>Suspension warning lamp</p>	<p>The yellow AIRMATIC/E-ACTIVE BODY CONTROL warning lamp is lit.</p> <p>* A fault has occurred in the AIRMATIC/E-ACTIVE BODY CONTROL.</p> <ul style="list-style-type: none"> ► Note the messages on the driver's display.

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="57 298 376 329">Suspension warning lamp</p>	<p data-bbox="439 184 1116 215">The red E-ACTIVE BODY CONTROL warning lamp is on.</p> <p data-bbox="455 225 1071 256">*There is a fault in the E-ACTIVE BODY CONTROL.</p> <div data-bbox="472 280 1917 384" style="border: 1px solid gray; padding: 5px;"> <p data-bbox="486 291 1412 322">! NOTE The vehicle's driving characteristics have changed significantly.</p> <p data-bbox="486 339 1719 370">► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving.</p> </div> <ul data-bbox="472 408 1698 522" style="list-style-type: none"> <li data-bbox="472 408 1038 439">► Note the messages on the driver's display. <li data-bbox="472 449 1698 480">► Stop the vehicle immediately in accordance with the traffic conditions. Do not continue driving. <li data-bbox="472 491 1003 522">► Consult a qualified specialist workshop.



Driving safety systems

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p data-bbox="57 819 282 850">ABS warning lamp</p>	<p data-bbox="439 702 1214 733">The yellow ABS warning lamp is lit while the engine is running.</p> <p data-bbox="455 743 752 774">*ABS is malfunctioning.</p> <p data-bbox="472 785 1222 816">If there is an additional warning tone, EBD is malfunctioning.</p> <p data-bbox="472 826 1432 857">Other driving systems and driving safety systems may also be malfunctioning.</p> <ul data-bbox="472 871 1038 902" style="list-style-type: none"> <li data-bbox="472 871 1038 902">► Note the messages on the driver's display.

Warning/indicator lamp	Possible causes/consequences and ► Solutions
	<p>▲ WARNING There is a risk of skidding if EBD or ABS is malfunctioning</p> <p>The wheels may lock during braking.</p> <p>The steerability and braking characteristics are heavily impaired and the braking distance may increase. In addition, other driving safety systems are switched off.</p> <ul style="list-style-type: none"> ► Drive on carefully. ► Have the brake system checked immediately at a qualified specialist workshop.
 <p>ESP® warning lamp flashes</p>	<p>The yellow ESP® warning lamp flashes while the vehicle is in motion.</p> <p>* One or more wheels has reached its grip limit (→ page 205).</p> <ul style="list-style-type: none"> ► Adapt your driving style to suit the road and weather conditions.
 <p>ESP® warning lamp lights up</p>	<p>The yellow ESP® warning lamp is lit while the engine is running.</p> <p>*ESP® is malfunctioning.</p> <p>Other driving systems and driving safety systems (e.g. BAS) may also be malfunctioning.</p> <ul style="list-style-type: none"> ► Note the messages on the driver's display. <p>▲ WARNING Risk of skidding if ESP® is malfunctioning</p> <p>If ESP® is malfunctioning, ESP® cannot carry out vehicle stabilisation. In addition, other driving safety systems are switched off.</p>

Warning/indicator lamp	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"> ▶ Drive on carefully. ▶ Have ESP® checked at a qualified specialist workshop.
 <p>ESP® OFF warning lamp</p>	<p>The yellow ESP® OFF warning lamp is lit while the engine is running.</p> <p>*ESP® is deactivated.</p> <p>Other driving systems and driving safety systems may also be inoperative.</p> <div style="background-color: #cccccc; padding: 5px;">▲ WARNING Risk of skidding when driving with ESP® deactivated</div> <div style="background-color: #ffff00; padding: 5px;">ESP® does not act to stabilise the vehicle. The availability of further driving safety systems is also limited.</div> <ul style="list-style-type: none"> ▶ Drive on carefully. ▶ Deactivate ESP® only for as long as the situation requires. <p>If ESP® cannot be activated, ESP® is malfunctioning.</p> <ul style="list-style-type: none"> ▶ Have ESP® checked immediately at a qualified specialist workshop. <p>► Observe the notes on deactivating ESP® (→ page 205).</p>

Tyre pressure monitor

Warning/indicator lamp	Possible causes/consequences and ► Solutions
 <p>Tyre pressure monitoring system warning lamp flashes</p>	<p>The yellow tyre pressure monitor warning lamp (pressure loss/malfunction) flashes for approximately one minute and then remains lit.</p> <p>*The tyre pressure monitor is malfunctioning.</p> <div style="border: 1px solid black; padding: 5px;"> <p>⚠ WARNING There is a risk of an accident if the tyre pressure monitoring system is malfunctioning</p> <p>The tyre pressure monitoring system cannot issue a warning if there is pressure loss in one or more of the tyres.</p> <p>Tyres with insufficient tyre pressure may impair the driving characteristics as well as steering and braking.</p> <p>► Have the tyre pressure monitoring system checked at a qualified specialist workshop.</p> </div>
 <p>Tyre pressure monitoring system warning lamp lights up</p>	<p>The yellow tyre pressure monitoring system warning lamp (pressure loss/malfunction) is lit.</p> <p>*The tyre pressure monitoring system has detected tyre pressure loss in at least one of the tyres.</p> <div style="border: 1px solid black; padding: 5px;"> <p>⚠ WARNING Risk of an accident due to insufficient tyre pressure</p> <ul style="list-style-type: none"> • The tyres can burst. • The tyres can wear excessively and/or unevenly. • The driving characteristics as well as the steering and braking may be greatly impaired. <p>You could then lose control of the vehicle.</p> <p>► Observe the recommended tyre pressures.</p> </div>

Warning/indicator lamp	Possible causes/consequences and ► Solutions
	<ul style="list-style-type: none"><li data-bbox="472 184 1917 236">▶ Adjust the tyre pressure if necessary.<li data-bbox="472 256 1917 288">▶ Stop the vehicle in accordance with the traffic conditions.<li data-bbox="472 298 1917 329">▶ Check the tyre pressure and the tyres.

1, 2, 3 ...			
4MATIC	190		
Function	190		
12 V battery			
see Battery (vehicle)			
48 V on-board electrical system			
Operating safety	22		
230 V socket			
see Socket (230 V)			
360° Camera	244		
Care	465		
Function	244		
A			
A/C function			
Activating/deactivating (MBUX multimedia system)	162		
ABS (Anti-lock Braking System)	205		
Acceleration			
see Kickdown			
Access data			
Setting (Bluetooth®)	416		
		Setting (business telephony)	417
		Accident and breakdown management	
		Mercedes me connect	405
		Acoustic locking verification signal	
		Activating/deactivating	68
		Activating/deactivating loudness adjustment	
		Burmester® 3D-surround sound system	438
		Active Blind Spot Assist	260
		Activating/deactivating	263
		Brake application	261
		Function	260
		System limitations	260
		Trailer operation	261
		Active bonnet (pedestrian protection) ..	456
		Operation	456
		Resetting	456
		Active Brake Assist	
		Function/notes	208
		Setting	215
		Active Distance Assist DISTRONIC	219
		Active Emergency Stop Assist	230
		Active Lane Change Assist	227
		Calling up a speed	221
		Function	219
		Increasing/decreasing speed	221
		Requirements:	221
		Route-based speed adaptation	224
		Selecting	221
		Steering wheel buttons	221
		Storing a speed	221
		Switching off/deactivating	221
		Switching on/activating	221
		System limitations	219
		Active Emergency Stop Assist	230
		Active headlamps	146
		Active Lane Change Assist	227
		Activating/deactivating	230
		Function	227
		Active Lane Keeping Assist	263
		Activating/deactivating	265
		Activating/deactivating the warning ...	265
		Function	263
		Setting the sensitivity	265

- System limits 263
Trailer operation 263
- Active Parking Assist** 247
Cross Traffic Alert 253
Drive Away Assist 252
Exiting a parking space 250
Function 247
Parking 249
System limitations 247
- Active Service System PLUS**
see ASSYST PLUS
- Active Speed Limit Assist** 223
Display 223
Function 223
- Active Steering Assist** 225
Activating/deactivating 227
Active Emergency Stop Assist 230
Active Lane Change Assist 227
Function 225
System limits 225
- Active Traffic Jam Assist**
Activating/deactivating 232
Function 231
- Adaptive brake lights** 215
- Adaptive cruise control**
see Active Distance Assist DISTRONIC
- Adaptive Highbeam Assist Plus**
Function 148
Switching on/off 150
- Adaptive rear compartment light**
Configuring 448
- AdBlue®** 568
Additives 568
Capacity 568
Fill level 278
Notes 193
Purity 568
Range 278
Topping up 194
- Additional door lock** 71
- Additives** 569
AdBlue® 568
Engine oil 569
Fuel 566
- Additives (AdBlue®)**
see AdBlue®
- Additives (engine oil)**
see Additives
- Additives (fuel)**
see Fuel
- Address book**
see Contacts
- Adjusting the balance/fader**
Burmester® high-end 4D surround
sound system 439
Burmester® 3D-surround sound sys-
tem 438
- Adjusting the bass, mid-range and
treble**
Burmester® high-end 4D surround
sound system 439
Burmester® 3D-surround sound sys-
tem 438
- Adjusting the mid-range, treble and
bass**
Burmester® high-end 4D surround
sound system 439
Burmester® 3D-surround sound sys-
tem 438

Adjusting the sound focus			
Burmester® 3D-surround sound system	438		
Adjusting the sound optimisation			
Burmester® high-end 4D surround sound system	440		
Adjusting treble, mid-range and bass settings			
Burmester® high-end 4D surround sound system	439		
Burmester® 3D-surround sound system	438		
ADS PLUS damping system			
see AIRMATIC			
Adverse weather light	148		
After-sales service centre			
see ASSYST PLUS			
Air conditioning menu			
Calling up	162		
Air distribution			
Setting (MBUX multimedia system)	162		
Air freshener system			
see Fragrance system			
Air inlet			
see Air-water duct			
Air pressure			
see Tyre pressure			
Air suspension			
see AIRMATIC			
Air vents	170		
Adjusting (front)	170		
Adjusting (rear)	171		
Glove box	172		
Air vents			
see Air vents			
Air-recirculation mode	163		
Air-water duct	461		
Keeping free	461		
Airbag	42		
Activation	36		
Belt airbag	39		
Centre airbag (driver, front passenger)	42		
Front airbag (driver, front passenger)	42		
Installation locations	42		
Knee airbag	42		
Overview	42		
PASSENGER AIR BAG indicator lamp	47		
Protection	43		
Reduced protection	44		
Side airbag	42		
Window airbag	42		
AIRMATIC	233		
Setting	234		
Suspension	233		
Alarm system			
see ATA (anti-theft alarm system)			
All-wheel drive			
see 4MATIC			
Alternative route			
see Route			
Ambient lighting			
Setting (multimedia system)	151		
Setting (Rear Seat Entertainment System)	448		
Android Auto	397		
Connecting a mobile phone	398		
Ending	399		
Information	398		
Overview	397		

- Sound settings 399
- Transferred vehicle data 399
- Animals**
- Pets in the vehicle 65
- Anti-lock braking system**
- see ABS (Anti-lock Braking System)
- Anti-skid chains**
- see Snow chains
- Anti-theft alarm system**
- see ATA (anti-theft alarm system)
- Anti-theft protection**
- Additional door lock 71
- Immobiliser 93
- Anti-theft protection**
- see ATA (anti-theft alarm system)
- Anticipatory occupant protection**
- see PRE-SAFE® (anticipatory occupant protection)
- see PRE-SAFE® PLUS (anticipatory occupant protection plus)
- Apple CarPlay®** 395
- Connecting an iPhone® 396
- Ending 397
- Notes 396
- Overview 395
- Sound settings 397
- Transferred vehicle data 399
- Apps**
- Calling up (Rear Seat Entertainment System) 451
- Overview (Rear Seat Entertainment System) 451
- Ashtray**
- Use (front centre console) 131
- Using (rear door) 132
- Assistance systems**
- see Driving safety system
- Assistant display**
- Menu (on-board computer) 278
- ASSYST PLUS** 455
- Battery disconnection periods 456
- Displaying the service due date 455
- Function/notes 455
- Regular maintenance work 455
- Special service requirements 455
- ATA (anti-theft alarm system)** 93
- Deactivating the alarm 94
- Function 93
- Function of interior protection 95
- Priming/deactivating interior protection 95
- Priming/deactivating tow-away protection 95
- Tow-away protection function 94
- ATTENTION ASSIST** 255
- Setting 255
- System limits 253
- ATTENTION ASSIST with microsleep detection** 253
- Function 253
- Attention assistant**
- see ATTENTION ASSIST with microsleep detection
- Augmented reality**
- see Route guidance with augmented reality
- Authorised workshop**
- see Qualified specialist workshop
- Automatic distance control**
- see Active Distance Assist DISTRONIC
- Automatic driving lights** 144

- Automatic engine start (ECO start/stop function)** 181
- Automatic engine stop (ECO start/stop function)** 181
- Automatic front passenger front air-bag deactivation system**
see Automatic front passenger front airbag shutoff
- Automatic front passenger front air-bag shutoff** 45, 47
Function of the automatic front passenger front airbag deactivation system 45
PASSENGER AIR BAG indicator lamp 47
- Automatic lateral support adjustment**
Setting 107
- Automatic measures after an accident** ... 51
- Automatic mirror folding function**
Activating/deactivating 159
- Automatic seat adjustment**
Setting 106
- Automatic transmission**
DIRECT SELECT lever 186
- Drive program display 184
- Drive programs 184
- DYNAMIC SELECT button 184
- Engaging drive position 188
- Engaging neutral 187
- Engaging park position 187
- Engaging reverse gear 187
- Kickdown 189
- Manual gear changing 188
- Oil temperature (on-board computer, Performance menu) 279
- Steering wheel gearshift paddles 188
- Transmission position display 186
- Transmission positions 186
- Axle load**
Permissible 562
- B**
- Bag hook** 125
- Ball coupling**
Folding in/out (MBUX multimedia system) 267
- Ball neck**
Extending/retracting 266
- BAS (Brake Assist System)** 205
- Battery**
Charging (Remote Online) 176
Key 69
Remote control (stationary heater) 168
- Battery**
see Battery (vehicle)
- Battery (vehicle)** 481
Charging 480
Charging (Remote Online) 176
Notes 476
Notes (starting assistance and charging) 478
Replacing 481
Starting assistance 480
- Belt**
see Seat belt
- Belt airbag**
Activation 36
Function/notes 39
- Bicycle rack**
Trailer operation 270

- Blind Spot Assist** 260
 Activating/deactivating 263
 Function 260
 System limitations 260
- BlueTEC**
 see AdBlue®
- Bluetooth®** 324
 Information 324
 Setting up an Internet connection 416
 Switching on/off 324
- Bonnet**
 Resetting (active bonnet) 456
- Boost pressure (on-board computer, Performance menu)** 279
- Boot box**
 see EASY-PACK boot box
- Boot floor**
 Opening 128
- Boot lid**
 Activating/deactivating the boot lid opening limiter 82
 Closing 77
 HANDS-FREE ACCESS 80
 Locking separately 81
 Opening 76
 Opening dimensions 572
 Power closing function 77
 Unlocking (emergency key) 82
- Brake Assist System**
 see BAS (Brake Assist System)
- Brake fluid**
 Notes 570
- Brake force distribution**
 EBD (Electronic Brake force Distribution) 208
- Brakes**
 ABS (Anti-lock Braking System) 205
 Active Brake Assist 208
 Adaptive brake lights 215
 BAS (Brake Assist System) 205
 Driving tips 178
 EBD (Electronic Brake force Distribution) 208
 HOLD function 232
 Limited braking effect (salt-treated roads) 178
 New/replaced brakepads/brake discs 177
 Post-collision brake 51
 Running-in notes 177
- Braking assistance**
 see BAS (Brake Assist System)
- Breakdown**
 Overview of the help functions 16
 Tow-starting 486
 Towing away 483
 Transporting the vehicle 484
 Wheel change 500
- Breakdown**
 see Flat tyre
- Burmester® high-end 4D surround sound system** 439
 Adjusting the balance/fader 439
 Adjusting the sound optimisation 440
 Adjusting treble, mid-range and bass settings 439
 Automatic loudness adjustment 439
 Calling up the sound menu 439
 Information 439
 Selecting the sound profile 440

Burmester® 3D-surround sound system	437
Adjusting the balance/fader	438
Adjusting the sound focus	438
Adjusting treble, mid-range and bass settings	438
Automatic loudness adjustment	438
Calling up the sound menu	438
Information	437
Selecting the sound profile	438

Buttons

Steering wheel	274
----------------------	-----

C

Call list

Calling up options	386
Deleting	386
Making a call	386
Overview	386
Selecting options for suggestions	386

Calling up the sound menu

Burmester® high-end 4D surround sound system	439
--	-----

Burmester® 3D-surround sound system	438
Calls	381
Accepting	381
Activating functions during a call	381
Calls with several participants	382
Declining	381
Ending a call	381
Incoming call during an existing call	382
Making	381
Mercedes me	400

Camera

Dashcam	369
---------------	-----

Camera

see 360° Camera
see Reversing camera

Car key

see Key

Car telephony

see Telephone

Car wash

see Care

Car wash (care)	462
------------------------------	-----

Car-to-X-Communication

Displaying hazard warnings	359
Overview	358
Sending hazard warnings	359


















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




























360° Camera	465
Air-water duct	461
Car wash	462
Carpet	466
Decorative foil	464
Display	466
EASY-PACK boot box	466
Exterior lighting	465
High-pressure cleaner	463
Paintwork	463
Plastic trim	466
Real wood/trim elements	466
Reversing camera	465
Roof lining	466
Seat belt	466
Seat cover	466
Sensors	465
Tailpipes	465
Trailer hitch	465
Washing by hand	463



































- Wheels/rims 465
- Windows 465
- Wiper blades 465
- Carpet (Care)** 466
- Centre airbag (driver, front passenger)** ... 42
- Changing gears** 188
 - Manually 188
- Changing hub caps** 500
- Changing the lights**
 - Driving abroad (symmetrical low beam) 143
- Charging**
 - Battery (vehicle) 480
 - Mobile phone (wireless) 138
 - USB port 135
- Child safety lock**
 - Activating/deactivating (MBUX Remote Control) 327
 - Rear door 63
 - Rear side windows 65
 - Switching on/off (MBUX Rear Seat Entertainment System) 327
- Child seat**
 - Approval categories 57
 - Attaching (notes) 57
 - Basic instructions 51
 - ISOFIX/i-Size (fitting) 60
 - Notes on fastening (MBUX Interior Assistant) 315
 - Notes on risks and dangers 52
 - Recommended child restraint systems 55
 - Saving the position (MBUX Interior Assistant) 315
 - Seats suitable for i-Size child restraint systems 60
 - Seats suitable for ISOFIX child restraint systems 59
 - Top Tether 62
- Children**
 - Avoiding dangers in the vehicle 52
 - Basic instructions 51
- Chock** 499
 - Storage location 499
- Chock**
 - see Chock
- CI+ module** 436
 - Calling up a menu 436
 - Inserting the smart card 436
- Cigarette lighter**
 - Rear 133
- City lighting** 148
- Cleaning**
 - see Care
- Climate control**
 - Activating/deactivating (rear operating unit) 161
 - Activating/deactivating the A/C function (MBUX multimedia system) ... 162
 - Activating/deactivating the synchronisation function (MBUX multimedia system) 163
 - Air distribution settings 162
 - Air-recirculation mode 163
 - Automatic control 162
 - Automatically controlling (rear operating unit) 162
 - Calling up the air conditioning menu ... 162
 - Demisting windows 163
 - Front air vents 170

Glove box air vent	172	Collision detection (parked vehicle)	202	Importing (overview)	384
Inserting/removing the flacon (france system)	164	Combination switch	145	Information	382
Ionisation	164	Communication module		Making a call	384
Note	160	Setting the Internet connection automatically	415	Name format	383
Rear air vents	171	Setting up an Internet connection	414	Options	384
Rear operating unit	161	Compass	365	Saving as a favourite	385
Residual heat	164	Computer		Selecting options for suggestions	384
Residual heat (rear operating unit)	164	see On-board computer		Storing	384
Setting (MBUX multimedia system)	162	Connection status		Control elements	
Setting the fragrance system	164	Displaying	419	Touch-sensitive	22
Setting the rear passenger compartment (Rear Seat Entertainment System)	447	Overview	418	Convenience closing	85
Stationary heater/ventilation	166	Connectivity		Convenience opening	85
Switching on/off	161	Switching transmission of the vehicle position on/off	324	Coolant (engine)	
THERMOTRONIC control panel	160	Consumption indicator		Check level	460
Ventilating the vehicle (convenience opening)	85	Calling up	185	Notes	571
Windscreen heating	165	Contacts	382	Copyright	34
Cockpit	6	Calling up	383	Cornering light	147
Overview	6	Deleting	385	Cover	
Coffee cup symbol		Deleting favourites	385	see Roller sunblind	
see ATTENTION ASSIST with micro-sleep detection		Downloading (from mobile phone)	383	Cross Traffic Alert	253
		Importing	384	Crosswind Assist	
				Function/notes	207

- Cruise control** 215
 - Activating 217
 - Buttons 217
 - Calling up a speed 217
 - Deactivating 217
 - Function 215
 - Requirements 217
 - Selecting 217
 - Setting a speed 217
 - Storing a speed 217
 - System limitations 215
 - Cup holder**
 - Rear (vehicles with a rear bench seat) 130
- D**
- Dashboard**
 - see Cockpit
 - Dashcam**
 - Configuring the settings 370
 - Deleting a video recording 370
 - Notes 369
 - Selecting a USB device 369
 - Starting/stopping video recording 369
 - Data acquisition**
 - Vehicle 32
 - Data storage**
 - Electronic control units 32
 - Online services 33
 - Vehicle 32
 - Deactivating the alarm (ATA)** 94
 - Dealership**
 - see Qualified specialist workshop
 - Declaration of conformity**
 - Electromagnetic compatibility 24
 - Jack 28
 - TIREFIT kit 29
 - Wireless vehicle components 24
 - Decorative foil (cleaning instructions)** 464
 - DeNOx agent**
 - see AdBlue®
 - Destination**
 - Editing intermediate destinations 345
 - Editing the previous destinations 355
 - Managing suggestions 355
 - Saving as global favourite 355
 - Destination entry** 336
 - Accepting a destination suggestion 337
 - Entering a 3 word address 339
 - Entering a POI or address 336
 - Entering an intermediate destination .. 345
 - Entering geo-coordinates 339
 - Notes 336
 - Selecting a contact 339
 - Selecting a POI 338
 - Selecting a received destination 341
 - Selecting from favourites 340
 - Selecting from the map 340
 - Selecting previous destinations 338
 - Destination suggestion**
 - Saving as a favourite 355
 - Detecting inattentiveness**
 - see ATTENTION ASSIST
 - Diagnostics connection** 29
 - Diesel**
 - Low outside temperatures 567
 - Notes 567
 - DIGITAL LIGHT**
 - Intelligent Light System 146
 - Digital Owner's Manual** 18

- Digital speedometer** 280
- Digital Vehicle Key sticker**
- Locking the vehicle 72
 - Starting the vehicle 174
 - Unlocking the vehicle 72
- Dinghy towing**
- see Tow-bar system
- Dipped beam**
- Setting 150
- DIRECT SELECT lever** 186
- Engaging drive position 188
 - Engaging neutral 187
 - Engaging park position 187
 - Engaging park position automatically .. 187
 - Engaging reverse gear 187
 - Function 186
- Display (Care)** 466
- Display (MBUX multimedia system)**
- Home screen 292
 - Settings 322
- Display (multimedia system)** 293
- Operating 293
- Display (on-board computer)**
- Displays on the driver display 277
- Display content**
- Selecting 276
- Display message** 574
- Calling up (on-board computer) 574
 - Notes 574
- Display messages**
-  --- km/h 616
 -  --- km/h 615
 - LIM** --- km/h 617
 -  12 V on-board electrical system Visit workshop 623
 -  48 V battery See Owner's Manual 625
 -  Active Light System inoperative 581
 -  AdBlue system fault Engine start not possible 632
 -  AdBlue system fault See Owner's Manual 631
-  AdBlue system malfunction Emerg. op.: max. XXX km/h Start not poss. in XXX km 631
 -  AdBlue system malfunction Emergency op. in XXX km See Owner's Manual 631
 -  Add 1 litre engine oil when next refuelling 632
 -  ATTENTION ASSIST inoperative 602
 -  ATTENTION ASSIST Microsleep Take a break! 603
 -  ATTENTION ASSIST: Take a break! 602
 -  Automatic driving lights inoperative 581
 -  Brake immediately 601
 -  Change key batteries 579
 -  Check brake fluid level 601

- | | | |
|---|---|---|
|  Check brake pads See Owner's Manual 602 |  Engine oil level Reduce oil level 633 |  Intensive cleaning activated for 30 s 591 |
|  Check trailer hitch lock (white display message) 585 |  Engine oil level Stop vehicle Switch engine off 633 |  Key not detected (red display message) 579 |
|  Check tyre(s) 627 |  Engine oil pressure Stop Switch off engine 634 |  Key not detected (white display message) 579 |
|  Clean the fuel filter 593 |  Fault Drive at max. 80 km/h 605, 606 |  Left dipped beam (example) 580 |
|  Compressor is cooling 608 |  Front left malfunction Consult workshop (example) 575 |  Left windowbag malfunction Consult workshop (example) 575 |
|  Coolant Stop vehicle Switch engine off 592 |  Inoperative Battery low 583 |  Malfunction See Owner's Manual 580 |
|  currently unavailable Camera dirty 614 |  Inoperative Refuel vehicle 583 |  Maximum speed exceeded 617 |
|  Currently unavailable Radar dirty 613 |  Inoperative See Owner's Man. ... 583 |  Off 615 |
|  currently unavailable See Owner's Manual 618 |  Inoperative See Owner's Manual 619 |  Off 614 |
|  currently unavailable See Owner's Manual 619 |  Inoperative See Owner's Manual 620 |  Operation only possible in transmission position P 584 |
|  Engine oil level cannot be measured 634 |  Inoperative See Owner's Manual 621 |  Parking brake See Owner's Manual 598 |
| |  Inoperative 622 |  passive 616 |

 Please wait 48 V battery charging 625	 Restraint system malfunction Consult workshop 575	 Switch on the engine to charge the 12 V battery 624
 Rear axle steering currently malfunctioning 587	 Steering malfunction Drive carefully Visit workshop 586	 Top up AdBlue Emergency op. in XXX km See Owner's Manual 630
 Rear axle steering Malfunction Stop immediately 588	 Steering malfunction Increased physical effort See Owner's Manual 587	 Top up coolant See Owner's Manual 592
 Rear axle steering Malfunction Visit workshop 588	 Steering malfunction Stop immediately See Owner's Manual 587	 Top up washer fluid 591
 Rear left seat backrest not locked (example) 590	 Stop the vehicle Leave the engine running to charge the 12 V battery 624	 Trailer coupling in motion 584
 Rectify tyre pressure 628	 STOP Vehicle level too low 607	 Turn on the ignition to release the parking brake 601
 Refill AdBlue See Owner's Manual 629	 Stop vehicle See Owner's Manual 623	 Vehicle is operational Switch off ignition before exiting 584
 Release parking brake 600	 Stop vehicle See Owner's Manual 624	 Vehicle rising Please wait 608
 Replace air cleaner 593	 suspended 615	 Warning tyre defect 628
 Replace key See Owner's Manual 578	 Switch off lights 581	 Wheel sensor(s) missing 627
 Replace key 578	 Switch on headlamps 581	 XX,X I Top up AdBlue Emerg. op.: max. XXX km/h Start not poss. in XXX km 630
 Reserve fuel level 593		

-  XX,X I Top up AdBlue Switch on ignition, wait 60 sec. or eng. start not poss. 630
- Active Blind Spot Assist currently unavailable See Owner's Manual 611
- Active Blind Spot Assist inoperative 611
- Active Blind Spot Assist not available when towing a trailer See Owner's Manual 612
- Active bonnet malfunction See Owner's Manual 589
- Active Brake Assist Functions currently limited See Owner's Manual 621
- Active Brake Assist Functions limited See Owner's Manual 622
- Active Distance Assist available again 616
- Active Distance Assist currently unavailable See Owner's Manual 615
- Active Distance Assist inoperative 615
- Active Emergency Stop Assist currently unavailable See Owner's Manual 604
- Active Emergency Stop Assist inoperative 604
- Active Lane Keeping Assist currently unavailable See Owner's Manual 609
- Active Lane Keeping Assist inoperative 610
- Active Parking Assist and PARKTRONIC inoperative See Owner's Manual 612
- Active Steering Assist currently unavailable due to multiple emergency stops 609
- Active Steering Assist currently unavailable See Owner's Manual 609
- Active Steering Assist inoperative 609
- Active Stop-and-Go Assist currently unavailable see Owner's Manual 610
- Active Stop-and-Go Assist inoperative See Owner's Manual 610
- Adaptive Highbeam Assist Plus currently unavailable See Owner's Manual 582
- Adaptive Highbeam Assist Plus inoperative 582
- Anti-theft alarm system Malfunction ... 590
- Apply brake and start engine to shift out of P or N 594
- Apply brake to deselect P position 594
- Apply brake to select D or R 594
- Apply brake to select R 594
- Apply parking brake to park Visit workshop 595
- Auxiliary battery malfunction 597
- Beginning emergency stop 604
- Blind Spot Assist currently unavailable See Owner's Manual 610
- Blind Spot Assist inoperative 611

Blind Spot Assist not available when towing a trailer See Owner's Manual	611	Front passenger airbag disabled See Owner's Manual	576	PARKTRONIC inoperative See Owner's Manual	605
Cannot start engine See Owner's Manual	625	Front passenger airbag enabled See Owner's Manual	576	Place the key in the marked space See Owner's Manual	580
Change steering wheel/ seat position until 6 dots are visible on the upper edge of the screen	603	Hazard warning lamp system Malfunction	582	PRE-SAFE impulse side inoperative See Owner's Manual	578
Consult workshop without changing the transmission position	597	Limited availability of Active Parking Assist manoeuvring assistant See Owner's Manual	604	PRE-SAFE inoperative See Owner's Manual	577
Cruise control and Limiter inoperative	616	Limiter inoperative	617	Push rear left seat belt extender back manually See Owner's Manual (example)	576
Cruise control inoperative	616	Motor can be started again	626	Reduce speed	629
Cruise control off	616	MULTIBEAM LED Functions limited	582	Reversing not poss. Consult workshop	596
Device detected at diagnostics connection See Owner's Manual	622	N automatically activated Please select transmission position again	596	Risk of vehicle rolling away Apply parking brake to park	595
DIGITAL LIGHT Functions limited	582	Only select P when vehicle is stationary	594	Risk of vehicle rolling away Driver's door open Transmission not in P	595
Driver camera inoperative See Owner's Manual	603	PARKTRONIC and manoeuvring assistant not available at rear when towing a trailer	605		
Driver camera view currently restricted See Owner's Manual	603				

- Risk of vehicle rolling away N activated manually No automatic switch to P 595
- Snow chain mode Maximum speed exceeded 589
- Speed limit (winter tyres) XXX km/h 617
- Stop vehicle Leave engine running Wait Transmission cooling 597
- To switch off the engine, press the Start/Stop button for at least 3 seconds or 3 times. 591
- Traffic Sign Assist currently unavailable See Owner's Manual 612
- Traffic Sign Assist inoperative 612
- Transmission Malfunction Stop 596
- Tyre press. monitor currently unavailable 626
- Tyre press. monitor inoperative 626
- Tyre press. monitor inoperative No wheel sensors 627
- Tyre(s) overheated 628
- Display on the windscreen**
see Head-up display
- Distance control**
see Active Distance Assist DISTRONIC
- Distance recorder**
see Trip distance
- DISTRONIC**
see Active Distance Assist DISTRONIC
- Door**
 - Additional door lock 71
 - Child safety lock (rear door) 63
 - Locking (emergency key) 75
 - Opening (from the inside) 71
 - Power closing function 75
 - Unlocking (emergency key) 75
 - Unlocking (from the inside) 71
- Door control panel** 12
- Door control panel (rear)** 14
- Drawbar**
see Tow-bar system
- Drive Away Assist** 252
- Drive Away Assist**
see Protection against collision
- Drive position**
Engaging 188
- Drive program display** 184
- Drive programs**
see DYNAMIC SELECT
- Driver camera**
 - Activating/deactivating 321
 - Overview 320
- Driver display** 273
 - Function/notes 273
 - Overview of displays 277
- Driver's display**
Indicator/warning lamps 634
- Driver's seat**
see Seat
- Driving abroad**
Symmetrical low beam 143
- Driving lights**
see Automatic driving lights
- Driving safety system** 203
 - ABS (Anti-lock Braking System) 205

- EBD (Electronic Brake force Distribution)**
Function/notes 208
- ECO Assist**
Function/notes 182
- ECO display**
Function 182
- ECO start/stop function** 181
Automatic engine start 181
Automatic engine stop 181
Operation 181
Switching off/on 182
- Electric parking brake** 200
Applying automatically 200
Applying or releasing manually 201
Emergency braking 201
Releasing automatically 201
- Electrical fuses**
see Fuses
- Electrohydraulic suspension**
see E-ACTIVE BODY CONTROL
- Electromagnetic compatibility**
Declaration of conformity 24
- Electronic Stability Program**
see ESP® (Electronic Stability Program)
- Electronics** 506
- Electronics compartment**
Rear centre console 122
- Emergency**
Fire extinguisher 470
First-aid kit (soft sided) 469
Overview of the help functions 16
Removing the warning triangle 469
Safety vest 468
Setting up the warning triangle 469
- Emergency braking** 201
- Emergency braking**
see BAS (Brake Assist System)
- Emergency call system**
see Mercedes-Benz emergency call system
- Emergency engine start** 486
- Emergency key**
Inserting/removing 69
Locking a door 75
Unlocking a door 75
Unlocking the boot lid 82
- Emergency operation mode**
Starting the vehicle 175
- Emergency spare wheel** 505
Notes 505
- ENERGIZING Coach**
Calling up 334
Function 333
- ENERGIZING COMFORT** 331
Overview of programmes 331
Starting the programme 332
Starting the programme in the rear passenger compartment 447
- ENERGIZING seat kinetics**
Setting 331
- ENERGIZING seat kinetics**
see ENERGIZING COMFORT
- Engine**
ECO start/stop function 181
Engine number 562
Starting (Digital Vehicle Key sticker) 174
Starting (emergency operation mode) 175
Starting (mobile phone) 174
Starting (Remote Online) 176

Starting (start/stop button)	174	On the touchscreen (central display) ...	308
Starting assistance	480	Selecting writing speed	310
Switching off (start/stop button)	196	Setting the keyboard language	310
Engine bonnet		EQ Boost	
Function (active bonnet)	456	Operating safety	22
Opening/closing	457	Qualified specialist workshop	30
Engine data		ERA-GLONASS test mode	
Displaying	185	Starting/ending	412
Engine electronics		ESC (Electronic Stability Control)	
Notes	506	see ESP® (Electronic Stability Program)	
Engine number	562	ESP®	
Engine oil	459	Crosswind Assist	207
Additives	569	Trailer stabilisation	207
Capacity	570	ESP® (Electronic Stability Program)	205
Checking the oil level using the on-board computer	458	Activating/deactivating	207
MB-Freigabe or MB-Approval	570	Function/notes	205
Quality	570	Status display (on-board computer, Performance menu)	279
Temperature (on-board computer, Performance menu)	279	EU general operating permit number	562
Topping up	459	Exterior lighting	
Entering characters	308	see Lights	
Function/notes	308	Exterior lighting (Care)	465
Handwriting recognition	310		

F

Fatigue detection	
see ATTENTION ASSIST with micro-sleep detection	
Fault message	
see Display message	
Favourites	
Adding	301
Adding a destination	340
Calling up	301
Deleting	302
Home address	340
Moving	302
Overview	301
Renaming	302
Work address	340
Fill level	
AdBlue®	278
Filling station search	
Starting automatic search	348
Switching automatic search on/off	348
Fingerprint sensor	
MBUX multimedia system	295

- Synchronising the rolling code 198
- Gear display (on-board computer, Performance menu)** 279
- Gearshift recommendation** 189
- General operating permit number (EU)** 562
- Genuine parts** 21
- Glide mode** 189
- Global search**
- Function 305
 - Overview 305
- Glove box**
- Air vent 172
- H**
- Handbrake**
- see Electric parking brake
- Handling characteristics (unusual)** 491
- HANDS-FREE ACCESS** 80
- Handset**
- Activating 445
 - Charging 445
- Deactivating 445
- Features 444
- LED displays 443
- Overview 443
- Stowage compartment (rear) 123
- Hazard warning lights** 146
- HD programmes**
- see CI+ module
- Head restraint**
- Activating/deactivating neck heating 104
 - Attaching/removing the additional cushion (front) 103
 - Attaching/removing the additional cushion (rear) 104
 - Front (luxury head restraint) 102
 - Rear (adjusting) 104
 - Rear (folding into position/folding back mechanically) 105
 - Rear (luxury head restraint) 104
- Head-up display** 284
- Adjusting display elements (on-board computer) 284
- Adjusting the brightness (on-board computer) 284
- Function 283
- Menu (on-board computer) 284
- Operating the memory function 114
- Setting the position (on-board computer) 284
- Switching on/off 285
- Headlamp flasher** 145
- Headphones (Rear Seat Entertainment System)**
- Overview 442
- High beam**
- Adaptive Highbeam Assist Plus 148
 - Switching on/off 145
- High-pressure cleaner (care)** 463
- Hill Start Assist** 232
- HOLD function** 232
- Function/notes 232
 - Switching on/off 232
- Home screen (central display)**
- Overview 292

- I**
- i-Size child seat securing system**
 Fitting 60
 Seats suitable for attaching 60
- Identification plate**
 Engine 562
 Vehicle 562
- Ignition**
 Switching on (Start/Stop button) 173
- Ignition key**
 see Key
- Immobiliser** 93
- Implied warranty**
 Vehicle 31
- In-Car Office** 389, 391
 Answering e-mail 391
 Calling up 389
 Features 389
 Forwarding e-mail 392
 Managing e-mails 391
 Marking a task as completed 390
 Noting an incoming call 390
 Selecting functions (calendar entry) 390
 Selecting functions (Tasks & Calls) 390
 Video conference overview 392
 Writing e-mail 391
- Increase in traffic information volume**
 Setting 431
- Indicator lamp**
 see Indicator/warning lamp
- Indicator/warning lamp** 634
 Overview 634
- Individual drive program**
 Configuring 185
 Selecting 184
- Individual menu**
 Configuring displays 282
- Inspection**
 see ASSYST PLUS
- Instrument cluster**
 see Driver display
- Intelligent Light System**
 Active headlamps 146
 Adaptive Highbeam Assist Plus 148
 Adverse weather light 148
 City lighting 148
 Cornering light 147
 Fog light (extended range) 147
 Motorway mode 147
 Overview 146
 Switching on/off 148
- Interior lighting** 151
 Adaptive rear compartment light
 (Rear Seat Entertainment System) 448
 Ambient lighting 151
 Ambient lighting (Rear Seat Entertainment System) 448
 Reading light 151
 Setting 151
 Switch-off delay time 152
- Interior protection**
 Function 95
 Priming/deactivating 95
- Intermediate destination**
 Entering 345
 Modifying 345
 Starting an automatic filling station
 search 348
 Starting the automatic service station
 search 348

Internal connection

- Changing configuration of the car telephone 417

Internet

- Calling up a web page 419
- Calling up the web browser settings 420
- Calling up web browser options 420
- Closing the browser 421
- Deleting a bookmark 420
- Deleting history 420
- Managing bookmarks 420

Internet connection

- Cancelling permission (mobile phone) 418
- Connection status 418
- Displaying the connection status 419
- Establishing 418
- Information 414
- Restrictions 414
- Setting access data (Bluetooth®) 416
- Setting automatically (communication module) 415
- Setting up (Bluetooth®) 416
- Setting up (business telephony) 417
- Setting up (communication module) 414

- Setting up (Wi-Fi) 416

Internet radio

- see TuneIn

Ionisation

- Activating/deactivating (MBUX multimedia system) 164

iPhone®

- see Apple CarPlay®
- see Mercedes-Benz Link

ISOFIX child seat securing system

- Fitting 60
- Seats suitable for attaching 59

J**Jack**

- Declaration of conformity 28
- Storage location 499

Jump-start connection

- General notes 478

K**Key**

- Acoustic locking verification signal 68

- Battery 69
- Emergency key 69
- Energy consumption 68
- Features 67
- Key ring attachment 69
- Overview 67
- Problem 70
- Unlocking setting 68

Key functions

- Deactivating 68

KEYLESS-GO

- Locking the vehicle 73
- Problem 74
- Unlocking setting 68
- Unlocking the vehicle 73

Kickdown

- Using 189

Knee airbag

- 42

L**Lamp**

- see Interior lighting

Lamps (driver's display)

- see Indicator/warning lamp

- Lane detection (automatic)**
 - see Active Lane Keeping Assist
- Lane Keeping Assist**
 - see Active Lane Keeping Assist
- Language** 328
 - Notes 328
 - Setting 328
- Level control system**
 - see AIRMATIC
 - see E-ACTIVE BODY CONTROL
- Light switch**
 - Overview 143
- Lighting**
 - see Interior lighting
 - see Lights
- Lights** 143
 - Active headlamps 146
 - Adaptive Highbeam Assist Plus 148
 - Adverse weather light 148
 - Automatic driving lights 144
 - City lighting 148
 - Combination switch 145
 - Cornering light 147
 - Driving abroad (symmetrical low beam) 143
 - Fog light (extended range) 147
 - Hazard warning lights 146
 - Headlamp flasher 145
 - High beam 145
 - Intelligent Light System 146
 - Light switch 143
 - Low beam 143
 - Motorway mode 147
 - Parking lights 143
 - Rear fog light 143
 - Responsibility for lighting systems 143
 - Setting the dipped beam 150
 - Setting the exterior lighting switch-off delay time 150
 - Standing lights 143
 - Switching the surround lighting on/off 150
 - Turn signal lights 145
- Limiter** 216
 - Activating 217
 - Buttons 217
 - Calling up a speed 217
 - Deactivating 217
 - Function 216
 - Passive mode 216
 - Permanent setting 219
 - Requirements 217
 - Selecting 217
 - Setting a speed 217
 - Storing a speed 217
 - System limitations 216
- Limiting speed**
 - see Limiter
- Live Traffic Information**
 - Displaying the traffic map 356
 - Displaying traffic incidents 357
 - Extending a subscription 356
 - Provider information 356
 - Registering on Mercedes me 356
 - Switching the traffic information display on 358
- Loading**
 - Bag hook 125
 - Notes 119
 - Roof luggage rack 129
 - Stowage space under the boot floor 128
- Loading guidelines** 119

Loads			
Securing	119		
Locking an external device (child safety lock)	327		
Locking/unlocking			
Activating/deactivating the automatic locking feature	74		
Additional door lock	71		
Digital Vehicle Key sticker	72		
Emergency key	75		
KEYLESS-GO	73		
Mobile phone	72		
Smartphone	72		
Unlocking/opening the doors from the inside	71		
Low beam			
Switching on/off	143		
Symmetrical low beam	143		
Lubricant additives			
see Additives			
Luggage			
Net hooks	123		
Securing	119		
Luggage net hooks	123		
		M	
		MAGIC VISION CONTROL	
		Windscreen wipers	155
		Maintenance	
		see ASSYST PLUS	
		Malfunction	
		Restraint system	36
		Map	356, 361
		Avoiding an area	363
		Avoiding an area (overview)	363
		Changing an area	363
		Deleting an area	364
		Displaying Qibla	365
		Displaying the compass	365
		Displaying the map version	363
		Displaying the next intersecting street	362
		Displaying the range	366
		Displaying the satellite map	366
		Displaying the traffic map	356
		Displaying weather information	366
		Map data	364
		Moving	361
		Selecting POI symbols	362
		Selecting text information	362
		Selecting the map orientation	361
		Setting the map scale	361
		Setting the map scale automatically	365
		Updating	364
		Massage programmes	
		Overview	107
		Resetting the settings	108
		Massage programs	
		Selecting the front seats	108
		Massage settings	
		Resetting	108
		Maximum gross vehicle weight	562
		Maximum speed	
		see Limiter	
		MBUX authorised devices	
		Activating/deactivating child safety lock	327
		Managing	326
		MBUX Interior Assistant	310
		Anticipatory exit warning	315
		Automatic preselection of the outside mirror	317

- Emergency call with transmission of number of vehicle occupants 315
- Notes 310
- Notes on fastening the child seat 315
- Opening/closing the roller sunblind on the rear window 317
- Opening/closing the roller sunblind on the sliding roof 317
- Opens/closes the sliding sunroof 317
- Pre-setting the driver's seat position automatically 316
- Saving the child seat position 315
- Selecting settings 320
- Switching the reading light for the driver and front passenger on/off 316
- Switching the search light for the driver on/off 316
- MBUX Interior Assistant (multimedia system)** 311
- Calling up favourites with the V pose ... 318
- Operating a function with the favourites pose 318
- Operating functions by proximity of the hand 319
- Overview 311
- MBUX multimedia system** 291
- Activating/deactivating snow chain mode 492
- Activating/deactivating standby mode 203
- Adjusting the volume 307
- Configuring display settings 322
- Configuring drive program I 185
- ENERGIZING COMFORT programme (overview) 331
- Overview 291
- Overview of the fingerprint sensor 295
- Setting route-based speed adaptation 225
- Setting the footwell temperature 163
- Setting the rear climate control 163
- Standby mode function 203
- Starting the ENERGIZING COMFORT programme 332
- Switching the sound on/off 306
- MBUX Rear Entertainment System**
- Locking displays (child safety lock) 327
- MBUX Remote Control**
- Authorising a device 326
- MBUX Voice Assistant** 286
- Audible help functions 289
- Improving speech quality 290
- Language setting 288
- Multifunction steering wheel (operating) 286
- Online voice control 290
- Operable functions 287
- Operating safety 286
- Setting (MBUX multimedia system) 288
- Using (Rear Seat Entertainment System) 454
- Voice prompting 287
- Mecca** 365
- Media**
- Menu (on-board computer) 281
- Media mode**
- Adding a favourite song 427
- Connecting Bluetooth® audio equipment 426
- Connecting USB devices 425
- Controlling media playback 426
- Copyright and trademarks 423
- Notes about the search function in categories 428

- Overview of the media menu 425
- Playing back similar music tracks 427
- Removing a favourite song 427
- Searching for a music track according to mood 428
- Starting a search in categories 428
- Starting media playback 426
- Supported format and data storage media 422
- Surprise mix 427
- Using the keyword search 428
- Media playback**
 - Operating (on-board computer) 281
- Media source**
 - Switching (on-board computer) 281
- Medical aids** 31
- Memory function**
 - Head-up display – Calling up stored settings 114
 - Head-up display – Storing settings 114
 - Operating 114
 - Outside mirrors – Calling up stored settings 114
 - Outside mirrors – Storing settings 114
 - Seat – Calling up stored settings 114
 - Seat – Storing settings 114
 - Steering wheel – Calling up saved settings 114
 - Steering wheel – Saving settings 114
- Memory function in the rear passenger compartment**
 - Operating rear seats 116
 - Operating the front passenger seat and rear seat 117
- Menu (on-board computer)**
 - Assistant display 278
 - Entertainment 281
 - Head-up display 284
 - Navigation 280
 - Overview 275
 - Performance 279
 - Service 278
 - Trip 280
- Mercedes me app**
 - Calling up services 406
 - Calling up your user account 406
 - Deleting the connection to the user account 406
 - Information 406
- Mercedes me calls**
 - Arranging a service appointment 402
 - Calling the Mercedes-Benz Customer Centre 401
 - Calling the Mercedes-Benz Customer Centre after automatic accident or breakdown detection 401
 - Consenting to data transfer 402
 - Information 401
 - Making a call via the overhead control panel 400
 - Transferred data 403
- Mercedes me connect**
 - Accident and breakdown management 405
 - Information 404
 - Transferred data 405
- Mercedes-Benz emergency call system**
 - Automatic emergency call 409
 - Information 407
 - Information on data transfer 410, 412
 - Manual emergency call 410
 - Overview 409
 - Self-diagnosis (Russia) 412

- Starting/ending ERA-GLONASS test mode 412
Transmission of number of vehicle occupants (MBUX Interior Assistant) ... 315
- Mercedes-Benz Link** 393
Connecting 394
Ending 395
Note 394
Overview 393
Sound settings 395
- Mercedes-Benz service centre**
see Qualified specialist workshop
- Message (driver display)**
see Display message
- Message memory** 574
- Messages** 387
Calling a message sender 388
Composing 387
Configuring the displayed text messages 387
Deleting 389
Forwarding 388
Overview 387
Reading 387
- Replying 387
Sending 387
Using a number/URL 388
Using templates 388
- Mirrors**
see Outside mirrors
- Mobile phone**
Cancelling permission for Internet connection 418
Frequencies 507
Locking the vehicle 72
Starting the vehicle 174
Transmission output (maximum) 507
Unlocking the vehicle 72
Wireless charging (rear) 140
see Apple CarPlay®
- Mobile phone**
see Android Auto
see Mercedes-Benz Link
see Telephone
- Mobile phone voice recognition**
Starting 377
Stopping 377
- Model series**
see Vehicle identification plate
- MOExtended tyres** 471
- Motorway mode** 147
- MULTIBEAM LED**
Intelligent Light System 146
- Multifunction camera**
ROAD SURFACE SCAN 238
- Multifunction steering wheel**
Overview of buttons 274
- Multifunction steering wheel**
see Steering wheel
- Multimedia system**
Activating/deactivating voice amplification to rear 323
Collision detection (parked vehicle) 202
ENERGIZING seat kinetics 331
Favourites 301
Restoring (factory settings) 330
Switches the steering wheel heater on/off 112
- Multimedia system**
see Display (multimedia system)

see Entering characters
 see MBUX Interior Assistant
 see MBUX Interior Assistant (multi-media system)
 see MBUX multimedia system
 see Notifications Centre

Music online

Calling up 427
 Configuring options 428
 Search function 427

N

Navigation

Menu (on-board computer) 280
 Overview 335
 Showing/hiding the menu 335
 Switching on 335
 Updating the map data 364

Navigation

see Destination entry
 see Map
 see Route
 see Route guidance
 see Traffic information
 see Vehicle position

Navigation announcements

Activating/deactivating 353
 Adjusting the volume 353
 Repeating 354
 Switching audio fadeout on/off 353

Navigation messages

On-board computer 280

Near Field Communication (NFC)

Connecting a mobile phone to the MBUX multimedia system 375
 General information 375
 Locking the vehicle (digital vehicle key sticker) 72
 Locking the vehicle (mobile phone) 72
 Starting the vehicle (Digital Vehicle Key sticker) 174
 Starting the vehicle (mobile phone) 174
 Switching mobile phones 375
 Unlocking the vehicle (digital vehicle key sticker) 72
 Unlocking the vehicle (mobile phone) 72
 Using a mobile phone 375

Near-field communication

Activating/deactivating 324
 Information 324

Neutral

Engaging 187

NFC

see Near Field Communication (NFC)

Nodding off

see ATTENTION ASSIST with micro-sleep detection

Notifications Centre

Calling up a notification 303
 Editing a notification 304
 Global search (overview) 305
 Notification types 302
 Overview 302
 Selecting actions for a notification 304
 Using the global search 305

O

Occupant safety

see Airbag
 see Automatic front passenger front airbag shutoff
 see Automatic measures after an accident
 see Pets in the vehicle
 see Post-collision brake

- see PRE-SAFE® (anticipatory occupant protection)
- see PRE-SAFE® Impulse Side
- see PRE-SAFE® PLUS (anticipatory occupant protection plus)
- see Restraint system
- see Seat belt
- Odometer**
 - see Total distance
- Oil**
 - see Engine oil
- On-board computer** 275
 - Assistance graphic menu 278
 - Displaying the service due date 455
 - Driver display 277
 - Entertainment menu 281
 - Head-up display menu 284
 - Menus overview 275
 - Navigation menu 280
 - Operating 275
 - Performance menu 279
 - Service menu 278
 - Trip menu 280
- On-board diagnostics interface**
 - see Diagnostics connection
- On-board electronics**
 - Engine electronics 506
 - Notes 506
 - Two-way radios 506
- Online services**
 - Data storage 33
- Online services**
 - see In-Car Office
- Open-source software** 34
- Opening the boot lid using your foot**
 - HANDS-FREE ACCESS 80
- Operating fluids**
 - AdBlue® 568
 - Additives (fuel) 566
 - Brake fluid 570
 - Coolant (engine) 571
 - Engine oil 569
 - Fuel (diesel) 567
 - Fuel (petrol) 565
 - Notes 564
 - Windscreen washer fluid 571
- Operating safety**
 - 48 V on-board electrical system 22
 - Declaration of conformity (electromagnetic compatibility) 24
 - Declaration of conformity (jack) 28
 - Declaration of conformity (TIREFIT kit) .. 29
 - Declaration of conformity (wireless vehicle components) 24
 - EQ Boost 22
 - Information 22
- Operating system**
 - see On-board computer
- Outside mirrors** 156, 157
 - Anti-dazzle mode (automatic) 157
 - Automatic mirror folding function 159
 - Automatic preselection (MBUX Interior Assistant) 317
 - Folding in/out 156
 - Operating the memory function 114
 - Parking position 158
 - Setting 156
- Overhead control panel**
 - Overview 10

- Owner's Manual**
 Vehicle equipment 22
- Owner's Manual (digital)** 18
- P**
- Paint code** 562
- Paintwork (cleaning instructions)** 463
- Panel heating**
 Setting 110
- Panoramic sliding sunroof**
 see Sliding sunroof
- Park position**
 Inserting 187
 Selecting automatically 187
- Parked Vehicle Locator**
 Switching transmission on/off 324
- Parking**
 see Electric parking brake
- Parking aid**
 see Parking Assist PARKTRONIC
- Parking Assist PARKTRONIC** 239
 Activating 240
- Adjusting warning tones 241
 Deactivating 240
 Function 239
 System limitations 239
- Parking assistance systems**
 see Active Parking Assist
- Parking brake**
 see Electric parking brake
- Parking charges**
 Paying 368
- Parking lights** 143
- Parking option**
 Displaying on the map 367
 Selecting 367
- Parking position**
 Outside mirrors 158
 Storing the position of the passenger
 outside mirror using reverse gear 158
- Parking service**
 Displaying a parking option on the
 map 367
 Paying parking charges 368
 Selecting parking options 367
- Parking up** 203
- PASSENGER AIR BAG status display**
 see Automatic front passenger front
 airbag shutoff
- Pedestrian protection**
 see Active bonnet (pedestrian protection)
- Performance (on-board computer,
 Performance menu)** 279
- Perfume**
 see Fragrance system
- Perfume vial**
 see Fragrance system
- Period out of use**
 Activating/deactivating standby
 mode 203
 Standby mode function 203
- Permissible axle load** 562
- Permitted towing methods** 482
- Personalisation**
 see User profiles
- Petrol** 565
- Pets in the vehicle** 65

- Phone book**
see Contacts
- Plastic trim (Care)** 466
- POI**
Selecting 338
- POI symbols**
Selecting 362
- Post-collision brake** 51
- Power closing function**
Boot lid 77
Door 75
- Power output (on-board computer, Performance menu)** 279
- Power supply**
Switching on (Start/Stop button) 173
- Power windows**
see Side windows
- PRE-SAFE® (anticipatory occupant protection)** 49
Function 49
PRE-SAFE® Sound 49
Reversing measures 50
- PRE-SAFE® Impulse Side** 50
Activation 36
Function 50
- PRE-SAFE® PLUS (anticipatory occupant protection plus)** 50
Function 50
Reversing measures 50
- Preventative occupant protection system**
see PRE-SAFE® (anticipatory occupant protection)
- Previous destinations**
Selecting 338
- Programme**
see DYNAMIC SELECT
- Programme information**
TV channel 433
- Protection against collision** 252
- Protection of the environment**
Notes 20
Take-back of end-of-life vehicles 20
- Q**
- Qibla** 365
- QR code**
Rescue card 32
- Qualified specialist workshop** 30
- R**
- Radar and ultrasonic sensors**
Damage 204
- Radio**
Activating 429
Activating/deactivating radio text 431
Activating/deactivating traffic announcements 430
Calling up a slide show 430
Calling up the station list 429
Deleting stations 430
Direct frequency entry 430
Displaying information 431
Displaying radio text 431
Frequency fix 430
Managing favourites 430
Managing station presets 430
Menu (on-board computer) 281

Moving stations	430	Reading light		Adjusting the rear seats	446
Overview	429	see Interior lighting		Calling up services, apps and web browser	451
Searching for stations	430	Real wood (Care)	466	Calling up the device manager	449
Setting a channel	429	Rear axle steering	180	Charging the handset	445
Setting station tracking	430	Rear climate control		Climate control	447
Setting the frequency band	429	Setting (MBUX multimedia system)	163	Configuring the adaptive rear com- partment light	448
Setting the traffic information service volume increase	431	Rear display		Controlling playback	452
Storing radio stations	430	Activating/deactivating	441	Handset functions	444
Radio operating permits	508	Home screen overview	442	Handset LED displays	443
Radio stations		Locking (child safety lock)	327	Handset overview	443
Selecting (on-board computer)	281	Overview	441	Headphones overview	442
Rain closing function		Rear door (child safety lock)	63	Information about media mode	451
Sliding sunroof	89	Rear fog light		MBUX Voice Assistant	454
Rain-closing feature		Switching on/off	144	Operating safety	440
Side windows	84	Rear seat		Overview	440
Range		Seat	100	Overview of services, apps and web browsers	451
AdBlue®	278	Rear seat belt		Overview of sound settings	453
Displaying	280	Status display	41	Overview of the rear displays	441
REACH regulation	31	Rear seat belt status display	41	Resetting rear seats	447
Reading light		Rear Seat Entertainment System		Selecting a massage programme	446
Switching on/off with hand move- ments	316	Adjusting the ambient lighting	448	Selecting sound settings	454
		Adjusting the brightness	449	Selecting system settings	449

- Starting the ENERGIZING COMFORT programme 447
- Switching navigation on 450
- Switching off the handset 445
- Switching on media mode 452
- Switching on the handset 445
- Switching on the radio 453
- Switching on the TV 453
- Switching the display on/off 441
- Telephone functions in the rear compartment 450
- Rear window**
- Roller sunblind 92
- Rear-view mirror**
- see Outside mirrors
- Recycling**
- see Take-back of end-of-life vehicles
- Reducing agent**
- see AdBlue®
- Refrigerator box**
- Removing/fitting 137
- Stowage compartment 138
- Using 136
- Refuelling**
- Refuelling the vehicle 190
- Topping up AdBlue® 194
- Registration**
- Vehicle 30
- Remote control (stationary heater/ventilation)**
- Displays 168
- Problems 169
- Replacing the battery 168
- Setting 167
- Remote Online**
- Charging the battery 176
- Cooling or heating the vehicle interior 176
- Starting the vehicle 176
- Rescue card** 32
- Reserve**
- Fuel 568
- Reset function (multimedia system)** 330
- Residual heat** 164
- Rear operating unit 164
- Restoring (factory settings)**
- see Reset function (multimedia system)
- Restraint system** 35
- Basic instructions for children 51
- Function in an accident 36
- Functionality 35
- Malfunction 36
- Protection 35
- Reduced protection 35
- Self-test 35
- Warning lamp 35
- Reverse gear**
- Inserting 187
- Reversing camera** 241
- Care 465
- Function 241
- Rims (Care)** 465
- ROAD SURFACE SCAN**
- Multifunction camera 238
- ROAD SURFACE SCAN**
- see Camera
- Roll away protection**
- see HOLD function

- Roller sunblind** 91
- Opening/closing on the rear window (MBUX Interior Assistant) 317
 - Opening/closing on the roof (MBUX Interior Assistant) 317
 - Panoramic sliding sunroof 86
 - Rear window 92
 - Side windows (electric) 91
- Roof lining (care)** 466
- Roof load** 573
- Roof luggage rack**
- Loading 129
 - Securing 129
- Route** 341, 346
- Accepting a detour recommendation after a prompt 342
 - Activating a commuter route 347
 - Calculating 341
 - Calculating alternative routes 342, 346
 - Displaying destination information 344
 - Displaying the route list 346
 - Editing a stored route 349
 - Planning 345
 - Recording a route 349
- Saving a recorded route 349
 - Selecting a type 342
 - Selecting an alternative route 346
 - Selecting notifications 343
 - Selecting options 343
 - Showing a stored route on the map 348
 - Starting a saved route 349
 - Starting the automatic service station search 348
 - Switching the automatic filling station search on/off 348
- Route guidance** 350
- Cancelling 354
 - Changing direction 350
 - Destination reached 353
 - Lane recommendations 352
 - Motorway information 353
 - Notes 350
 - Off-road 354
- Route guidance with augmented reality** 359
- Activating 360
 - Displaying street names and house numbers 360
 - Overview 359
- Switching on display of traffic lights 259
- Route-based speed adaptation**
- Function 224
 - Setting 225
- Run-flat characteristics**
- MOExtended tyres 471
- Running-in notes** 177
- S**
- Safety systems**
- see Driving safety system
- Safety vest** 468
- Satellite map** 366
- Search light**
- Switching on/off using hand movements 316
- Seat** 96
- Adjusting (electrically) 96
 - Adjusting the front passenger seat from the rear 99
 - Automatic seat adjustment 106
 - Configuring the settings 106
 - Correct driver's seat position 96

- ENERGIZING seat kinetics 331
 Massage programme overview 107
 Operating the memory function 114
 Panel heating 110
 Pre-setting the driver's seat position
 (MBUX Interior Assistant) 316
 Rear (adjusting electrically) 100
 Resetting rear seats (Rear Seat
 Entertainment System) 447
 Resetting the settings 108
 Selecting a massage programme
 (Rear Seat Entertainment System) 446
 Setting automatic lateral support
 adjustment 107
 Setting options 12
 Setting rear seats (Rear Seat Entertain-
 ment System) 446
 Setting the fully reclined position 101
 Workout programme overview 107
- Seat**
 see Front passenger seat
- Seat (rear)** 14
 Setting options 14
- Seat belt** 37, 41
 Activating/deactivating seat belt
 adjustment 41
 Adjusting the height 40
 Belt airbag 39
 Care 466
 Fastening 40
 Protection 37
 Rear seat belt status display 41
 Reduced protection 38
 Releasing 41
 Seat belt adjustment (function) 41
 Seat belt extender 40
 Warning lamp 41
- Seat belt adjustment**
 Activating/deactivating 41
 Function 41
- Seat belt extender** 40
- Seat belt tensioners**
 Activation 36
- Seat belt warning**
 see Seat belt
- Seat cover (Care)** 466
- Seat heater**
 Activating/deactivating 108
- Seat kinetics**
 Setting 331
- Seat kinetics**
 see ENERGIZING COMFORT
- Seat ventilation**
 Switching on/off 110
- Second telephone**
 Connecting 374
- Selecting a gear**
 see Changing gears
- Selecting the sound profile**
 Burmester® high-end 4D surround
 sound system 440
 Burmester® 3D-surround sound sys-
 tem 438
- Selector lever**
 see DIRECT SELECT lever
- Self-test**
 Automatic front passenger front air-
 bag shutoff 47
- Sensors (Care)** 465

- Service**
Menu (on-board computer) 278
- Service**
see ASSYST PLUS
- Service centre**
see Qualified specialist workshop
- Service interval display**
see ASSYST PLUS
- Service station search**
Starting automatic search 348
- Services**
Calling up (Rear Seat Entertainment System) 451
Overview (Rear Seat Entertainment System) 451
- Setting a speed**
see Cruise control
- Setting the date format** 323
- Setting the distance unit** 328
- Setting the footwell temperature**
Setting 163
- Setting the map scale**
see Map
- SETUP (on-board computer, Performance menu)** 279
- Shift paddles**
see Steering wheel gearshift paddles
- Shifting gears**
Gearshift recommendation 189
- Short messages**
see Messages
- Side airbag** 42
- Side windows** 82
Automatic function 84
Child safety lock in the rear 65
Closing 82
Closing using the key 85
Convenience closing 85
Convenience opening 85
Opening 82
Opening with the key 85
Problem 85
Rain-closing feature 84
Roller sunblind (electric) 91
- Sliding sunroof** 86
Automatic functions 89
Closing 86
- Closing using the key 85
Opening 86
Opening with the key 85
Opening/closing (MBUX Interior Assistant) 317
Problem 90
Rain closing function 89
- Smart card**
Inserting 436
- Smartphone**
Locking the vehicle 72
Unlocking the vehicle 72
- Smartphone**
see Android Auto
see Apple CarPlay®
see Mercedes-Benz Link
see Telephone
- Snow chain mode**
Activating/deactivating 492
- Snow chains** 491
- Socket (12 V)**
Rear 133

- Socket (230 V)** 134
 Rear 134
- Sound**
 PRE-SAFE® Sound 49
 Wheels and tyres 491
- Sound**
 see Burmester® 3D-surround sound system
 see Burmester® high-end 4D surround sound system
 see Tone settings
- Sound settings**
 Adjusting the balance/fader 437
 Adjusting treble, mid-range and bass settings 437
 Automatic loudness adjustment 437
- Spare wheel**
 see Emergency spare wheel
- Speech dialogue system**
 see MBUX Voice Assistant
- Speed limitation for winter tyres**
 Setting 219
- Speedometer**
 Digital 280
- Standby mode**
 Activating/deactivating 203
 Function 203
- Standing lights** 143
- Start/stop button**
 Parking the vehicle 196
 Starting the vehicle 174
 Switching on the power supply or ignition 173
- Start/stop function**
 see ECO start/stop function
- Starting assistance**
 see Jump-start connection
- Starting the engine**
 see Vehicle
- Starting-off aid**
 see Hill Start Assist
- Station**
 Deleting 430
 Direct frequency entry 430
 Frequency fix 430
 Moving 430
 Searching 430
- Setting 429
 Storing 430
- Station list**
 Calling up 429
- Station presets**
 Managing 430
- Station tracking**
 Setting 430
- Stationary heater/ventilation**
 Displays (remote control) 168
 Problems (remote control) 169
 Replacing the battery (remote control) 168
 Setting (MBUX multimedia system) 167
 Setting (remote control) 167
 Switching on/off (control panel) 166
- STEER CONTROL**
 Function/notes 208
- Steering**
 Rear axle steering 180
- Steering wheel** 274
 Adjusting (electrically) 111
 Buttons 274

Operating the memory function	114	Surround View		Setting the time zone	322
Steering wheel heater	112	see 360° Camera		Setting the time/date format	323
Steering wheel gearshift paddles	188	Suspension		Switching NFC on/off	324
Steering wheel heater		Setting the suspension level (AIR-		Switching transmission of the vehicle	
Activating/deactivating	112	MATIC)	234	position on/off	324
Switching on/off	112	Suspension		System settings	
Stowage areas		see AIRMATIC		see Bluetooth®	
see Stowage compartment		see E-ACTIVE BODY CONTROL		see Language	
Stowage compartment	121	Suspension level (AIRMATIC)		System update	
Armrest	121	Setting	234	Updating software	328
Centre console	121	SVHC (substances of very high con-			
Door	121	cern)	31	T	
Glove box	121	Switch-off delay time		Tailpipes (Care)	465
Handset (rear)	123	Exterior	150	Take-back of end-of-life vehicles	20
Luggage net hooks	123	Interior	152	Protection of the environment	20
Rear armrest	122	Synchronisation function		Tank content	
Rear seat backrest	122	Activating/deactivating (MBUX mul-		AdBlue®	568
Stowage compartments		timedia system)	163	Fuel	568
see Stowage compartment		System settings		Reserve (fuel)	568
Stowage space under the boot floor	128	Activating/deactivating voice ampli-		Technical data	
Sulphur content	565	fication to rear	323	Information	506
Surround lighting		Reset function (multimedia system)	330	Notes (trailer hitch)	573
Switching on/off	150	Setting the distance unit	328	Radio operating permits	508

- Vehicle identification plate 562
- Telephone** 372, 377
 - Activating functions during a call 381
 - Call waiting (car telephony) 380
 - Calls with several participants 382
 - Car telephone (changing configuration) 417
 - Car telephony (establishing an Internet connection) 417
 - Car telephony settings 380
 - Changing a function 374
 - Connecting a mobile phone (car telephony) 378
 - Connecting a mobile phone (Near Field Communication (NFC)) 375
 - Connecting a mobile phone (Passkey) 373
 - Connecting a mobile phone (Secure Simple Pairing) 373
 - Connecting the SIM card (car telephony) 379
 - Conveying the telephone number (car telephony) 380
 - Data use language (car telephony) 381
 - Disconnecting a mobile phone 375
 - Forwarding a call (car telephony) 381
 - Importing contacts 384
 - Importing contacts (overview) 384
 - Incoming call during an existing call 382
 - Information 373
 - Interchanging mobile phones 374
 - Locking the vehicle (mobile phone) 72
 - Mobile phone voice recognition 377
 - Network provider (car telephony) 381
 - Notes 371
 - Operating modes 373
 - Overview of car telephony 377
 - Reception and transmission volume 376
 - Replacing mobile phones 375
 - Setting the ringtone 377
 - Setting the SIM card (car telephony) ... 380
 - Starting the vehicle (mobile phone) 174
 - Status of the SIM PIN 379
 - Switching mobile phones (Near Field Communication (NFC)) 375
 - Symbols of car telephony 378
 - Telephone menu overview 372
 - Telephone operation 381
 - Unlocking the vehicle (mobile phone) 72
 - Using Near Field Communication (NFC) 375
 - Wireless charging (mobile phone in the rear) 140
- Telephone operation**
see Calls
- Telephony operating modes**
 - Bluetooth® Telephony 373
 - Making calls in the vehicle 373
- Teletext**
 - Displaying 435
 - Overview 435
- Temperature**
 - Engine oil (on-board computer, Performance menu) 279
 - Transmission oil (on-board computer, Performance menu) 279
- Text messages**
see Messages
- Themes**
 - Calling up 300
 - Deleting 301
 - Fastening 300
 - Modifying 300
 - Overview 299

Through-loading feature		Total distance	280	Traffic announcements	
Locking	125	Displaying	280	Activating/deactivating	430
Through-loading feature in the rear compartment		Touch Control		Traffic information	355
Opening	124	On-board computer	275	Car-to-X-Communication	358
Time		Operating	293	Displaying the traffic map	356
Manual time setting	323	Setting acoustic operating feedback ...	293	Displaying traffic incidents	357
Setting the time zone	322	Setting the sensitivity	293	Extending a Live Traffic Information subscription	356
Setting the time/date format	323	Touch-sensitive controls	22	Live Traffic Information	356
TIREFIT kit	471	Touchscreen (central display)		Overview	355
Declaration of conformity	29	Entering characters	308	Registering Live Traffic Information	356
Storage location	471	Operating	293	Switching on the display	358
Using	472	Tow-away protection		Traffic map	
Toll system		Function	94	see Map	
Windscreen	159	Priming/deactivating	95	Traffic Sign Assist	256
Tone settings	437	Tow-bar system	272	Function/notes	256
Calling up the sound menu	437	Tow-starting	486	Setting	258
Information	437	Towing away	483	System limitations	256
Tool		Towing eye		Trailer hitch	
see Vehicle tool kit		Installing	485	Bicycle rack	270
Top Tether	62	Storage location	485	Care	465
Torque (on-board computer, Performance menu)	279	Towing methods	482	Coupling up/uncoupling a trailer	268
				Extending/retracting the ball neck	266
				General notes	573

- Notes 265
- Socket 268
- Trailer operation**
 - Active Blind Spot Assist 261
 - Active Lane Keeping Assist 263
 - Bicycle rack 270
 - Coupling up/uncoupling a trailer 268
 - Extending/retracting the ball neck 266
 - Folding the ball coupling in/out (MBUX multimedia system) 267
 - Notes 265
 - Socket 268
- Trailer stabilisation**
 - Function/notes 207
- Trailer tow hitch**
 - Folding the ball coupling in/out (MBUX multimedia system) 267
- Transferred vehicle data**
 - Android Auto 399
 - Apple CarPlay® 399
- Transmission of the vehicle position**
 - Activating/deactivating 324
- Transmission position display** 186
- Transporting**
 - Loading guidelines 119
 - Vehicle 484
- Trim element (Care)** 466
- Trip**
 - Menu (on-board computer) 280
- Trip computer**
 - Displaying 280
- Trip distance** 280
 - Displaying 280
- Trip meter**
 - see Trip distance
- TuneIn** 421
 - Calling up 421
 - Calling up the station list (category last selected) 422
 - Deleting stations 422
 - Logging out 422
 - Overview 421
 - Registering 422
 - Saving stations 422
 - Selecting and connecting to a station 422
 - Selecting stream 422
- Setting options 422
- Terms of use 422
- Turn signal indicator**
 - see Turn signal lights
- Turn signal lights** 145
 - Switching on/off 145
- TV**
 - Activating 431
 - Adjusting the brightness 435
 - Calling up the menu (CI+ module) 436
 - Overview 431
 - Picture settings 435
 - Setting subtitles 435
 - Setting the audio language 434
 - Showing teletext 435
 - Showing/hiding full screen 432
 - Teletext overview 435
- TV channel**
 - Activating/deactivating channel fix 433
 - Channel fix 433
 - Channel list overview 434
 - Country-specific character set 433
 - EPG (electronic programme guide) 433
 - Overview of favourites 434

- Selecting from the channel list 432
 - Selecting from the control menu 432
 - Selecting from the favourites 432
 - Selecting in the background 433
 - Storing 434
 - Two-way radios**
 - Frequencies 507
 - Notes on installation 506
 - Transmission output (maximum) 507
 - Tyre inflation compressor**
 - see TIREFIT kit
 - Tyre pressure** 493
 - Checking (tyre pressure monitoring system) 494
 - Notes 492
 - Restarting the tyre pressure monitoring system 495
 - TIREFIT kit 472
 - Tyre pressure monitoring system (function) 494
 - Tyre pressure table 493
 - Tyre pressure monitor**
 - Function 494
 - Tyre pressure monitoring system**
 - Checking the tyre pressure 494
 - Restarting 495
 - Tyre pressure table** 493
 - Tyre temperature**
 - Tyre pressure monitoring system (function) 494
 - Tyre tread** 491
 - Tyre-change tool kit**
 - Overview 499
 - Tyres**
 - Changing hub caps 500
 - Checking 491
 - Checking the tyre pressure (tyre pressure monitoring system) 494
 - Fitting 503
 - Flat tyre 470
 - Interchanging 498
 - MOExtended tyres 471
 - Noise 491
 - Notes on fitting 495
 - Removing 503
 - Replacing 495, 500
 - Restarting the tyre pressure monitoring system 495
 - Selection 495
 - Snow chains 491
 - Storing 499
 - TIREFIT kit 472
 - Tyre pressure (Notes) 492
 - Tyre pressure monitoring system (function) 494
 - Tyre pressure table 493
 - Unusual handling characteristics 491
- U**
- Units of measurement**
 - Setting 328
 - Unlocking setting** 68
 - Update**
 - see Updating software
 - Updating software** 329, 330
 - Fault message 330
 - Information 328
 - Performing 329
 - USB port** 135

User profiles	295
Adding a user	296
Notes	295
Overview	295
Requirements for use	295
Selecting a user	298
Selecting user options	297
Synchronising	299
User-specific content	295

V

Vehicle	175
Activating/deactivating standby mode	203
Additional door lock	71
Collision detection (parking)	202
Correct use	31
Data acquisition	32
Data storage	32
Diagnostics connection	29
Equipment	22
Implied warranty	31
Locking (automatically)	74
Locking (digital vehicle key sticker)	72
Locking (from the inside)	72

Locking (KEYLESS-GO)	73
Locking (mobile phone)	72
Locking/unlocking (emergency key)	75
Lowering	504
Medical aids	31
Parking up	203
QR code rescue card	32
Qualified specialist workshop	30
Raising	501
REACH regulation	31
Registration	30
Standby mode function	203
Starting (Digital Vehicle Key sticker)	174
Starting (emergency operation mode)	175
Starting (mobile phone)	174
Starting (Remote Online)	176
Starting (start/stop button)	174
Switching off (start/stop button)	196
Towing	272
Unlocking (digital vehicle key sticker)	72
Unlocking (from the inside)	72
Unlocking (KEYLESS-GO)	73
Unlocking (mobile phone)	72
Ventilating (convenience opening)	85

Vehicle data	
Displaying (DYNAMIC SELECT)	185
Roof load	573
Transferring to Android Auto	399
Transferring to Apple CarPlay®	399
Vehicle height	572
Vehicle length	572
Vehicle width	572
Wheelbase	572
Vehicle dimensions	572
Vehicle identification number	
see VIN	
Vehicle identification plate	562
EU general operating permit number ..	562
Paint code	562
Permissible axle load	562
Permissible gross mass	562
VIN	562
Vehicle interior	
Cooling or heating (Remote Online)	176
Vehicle key	
see Key	
Vehicle maintenance	
see ASSYST PLUS	

Vehicle position 354
 Saving 354
 Sharing 354

Vehicle tool kit 471
 TIREFIT kit 471
 Towing eye 485

Ventilating
 Convenience opening 85

Vents
 see Air vents

Video conference
 In-Car Office 392

VIN 562
 Identification plate 562
 Seat 562
 Windscreen 562

Vision
 Demisting windows 163
 Windscreen heating 165

Voice amplification to the rear
 Activating/deactivating 323

Voice control system
 see MBUX Voice Assistant








W


Warm-up (on-board computer, Performance menu) 279


Warning lamp
 see Indicator/warning lamp


Warning system
 see ATA (anti-theft alarm system)


Warning triangle
 Removing 469
 Setting up 469


Warning/indicator lamp
 ABS warning lamp 646
 Brake system warning lamp (red) 644
 Brake system warning lamp (yellow) 643
 Coolant warning lamp 640
 Electric parking brake indicator lamp (red) 643
 Electrical fault warning lamp 642
 Engine diagnosis warning lamp ... 641


 ESP® OFF warning lamp 648


 ESP® warning lamp flashes 647


 ESP® warning lamp lights up 647


 Fuel reserve warning lamp lights up 642


 Rear axle steering warning lamp 639


 Restraint system warning lamp .. 636


 Seat belt warning lamp flashes .. 636


 Seat belt warning lamp lights up 637



 Suspension warning lamp .. 645, 646

 The electric parking brake (yellow) indicator lamp 643

 Trailer tow hitch warning lamp ... 637

 Tyre pressure monitoring system warning lamp flashes 649

 Tyre pressure monitoring system warning lamp lights up 649

-  Warning lamp for distance
warning function 645
-  Warning lamp for electric
power steering 638
- Warning/indicator lamps**
PASSENGER AIR BAG 47
- Warranty** 31
- Washer fluid**
see Windscreen washer fluid
- Washing by hand (care)** 463
- Water tank**
see Air-water duct
- Weather information** 366
- Web browser**
Calling up (Rear Seat Entertainment
System) 451
Calling up a web page 419
Calling up the settings 420
Calls up options 420
Deleting a bookmark 420
Deleting Internet history 420
Ending 421
Managing bookmarks 420
Overview 420
- Web browsers**
Overview (Rear Seat Entertainment
System) 451
- Website**
Calling up 419
- What3words**
Destination entry with a 3 word
address 339
- Wheel change**
Fitting a new wheel 503
Lowering the vehicle 504
Preparation 500
Raising the vehicle 501
Removing a wheel 503
Removing/fitting hub caps 500
- Wheel change**
see Emergency spare wheel
- Wheel rotation** 498
- Wheels**
Care 465
Changing hub caps 500
Checking 491
Checking the tyre pressure (tyre
pressure monitoring system) 494
Fitting 503
Flat tyre 470
Interchanging 498
MOExtended tyres 471
Noise 491
Notes on fitting 495
Removing 503
Replacing 495, 500
Restarting the tyre pressure monitor-
ing system 495
Selection 495
Snow chains 491
Storing 499
TIREFIT kit 472
Tyre pressure (Notes) 492
Tyre pressure monitoring system
(function) 494
Tyre pressure table 493
Unusual handling characteristics 491
- Wi-Fi** 325
Activating/deactivating 325
Setting up an Internet connection 416

- Wi-Fi**
 - see Wi-Fi
 - see Wi-Fi connection
- Wi-Fi connection** 325
 - Information 325
- Wi-Fi hotspot**
 - Configuring 326
- Widescree cockpit instrument display**
 - Instrument cluster 8
- Window airbag** 42
- Windows**
 - see Side windows
- Windows (Care)** 465
- Windscreen** 155
 - Infrared reflective 159
 - Radio waves 159
 - Replacing wiper blades (MAGIC VISION CONTROL) 155
- Windscreen**
 - see Windscreen
 - see Windshield
- Windscreen heating** 165
 - Windscreen heating**
 - see Windscreen heating
 - Windscreen washer fluid** 571
 - Notes 571
 - Windscreen washer system**
 - Topping up 461
 - Windscreen wipers**
 - Changing the wiper blades 153
 - Replacing wiper blades (MAGIC VISION CONTROL) 155
 - Switching on/off 152
 - Windshield** 153
 - Changing the wiper blades 153
 - Winter operation**
 - Activating/deactivating snow chain mode 492
 - Snow chains 491
 - Winter tyres**
 - Setting the permanent speed limitation 219
 - Wiper blades**
 - Care 465
 - Replacing 153
- Replacing (MAGIC VISION CONTROL) 155
- Wireless charging**
 - Function/notes 138
 - Mobile phone 140
 - Mobile phone (rear) 140
- Wireless vehicle components**
 - Declaration of conformity 24
- Workout program**
 - Overview 107
- Workshop**
 - see Qualified specialist workshop

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Documentation team

You are welcome to forward any queries or suggestions you may have regarding this Owner's Manual to the technical documentation team at the following address:

Mercedes-Benz AG, HPC: CAC, Customer Service, 70546 Stuttgart, Germany

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