

ORIGINAL-MANUAL





Dear customer,

Thank you very much for choosing a cargobike from our company.

These operating instructions answer essential questions and give many tips for operating your vehicle.

**Please also note the enclosed manual for the initial operation of the cargobike, which contains all the details for a successful start.**

If you are unsure after reading this manual and have any questions, please contact our customer service directly: **+49 9409 86 255 77**

Your BAYK team

# INHALT

- 4 General information
- 5 Safety
  - Legal requirements
- 6 Intended use
  - Before the first ride
- 8 Before every ride (short check)
- 9 Adjusting the riding position
- 12 Braking system
- 13 Gears
- 14 Drive chains
- 15 Wheels and tyres
- 16 Repairing a puncture
- 16 Lighting system
- 18 Duty transport
  - Drive system
- 20 Range in cold conditions
- 21 General care instructions
- 22 Inspections
- 23 Environmental tips
  - Statutory warranty / guarantee
- 26 Tightening torques for screwed connections
- 28 Service and maintenance plan
- 29 Important documents



## GENERAL INFORMATION

Read all instructions in this manual carefully before your first ride.

Please note the following symbols:



**ATTENTION!** Note that will help you to become familiar with your cargobike and its technology quickly.



**DANGER!** Possible dangers for your life and your health, if appropriate action calls are ignored.



**TIP!** Useful additional information.



**Use torque spanner** and comply with the specified torques.

These symbols will be used from now on, without re-explaining their meaning. For your own safety, make the short check before every ride. He is described on page 8.



### DANGER!

*This manual covers the installation and maintenance work, which may be necessary between the prescribed inspections to be carried out (see page 28). Do not perform any task that you are uncomfortable with. Many of these tasks require special knowledge and tools and should only be performed by an expert. Never ride your bike with incomplete or improper maintenance. You could endanger your life or the lives of others.*



### ACHTUNG!

*Before using your cargobike, you must read the enclosed Quick Start Manual completely; be sure to observe all safety instructions contained therein!*

If you have any questions, please contact a authorised service partner.

We wish you much joy and success with your new BRING S cargobike.

---

## SAFETY

---



### DANGER!

*Note that the cargobike immediately moves, when you start pedaling and the electrical assistance is switched on. So first pull the brakes and then get on the cargobike. Otherwise the unexpected move can lead to accidents and hazards.*



### DANGER!

*Shut off the electrical assistance and unplug the batteries before you start to work on your cargobike. Unintended activation of the e-drive can lead to injuries.*

---

## LEGAL REQUIREMENTS

---

If you want to use your cargobike on public roads, it must be equipped according to national regulations. Legally, it is equal to the bicycle and therefore subject to the same regulations.

In Germany these are regulated in the Road Traffic Licensing Regulations (StVZO) and the Road Traffic Act (STVO). In Switzerland, the regulations in force in the regulations governing the technical requirements for road vehicles are set out in Articles 213 to 218. To participate in public road traffic in Austria, you must comply with the 146th Ordinance / Bicycle Ordinance. These can be found in the Federal Law of Austria.



### TIP!

*Before using your cargobike in a country other than Germany, Austria or Switzerland, please inform yourself about any legal peculiarities in the respective country.*

The BRING S vehicle is EC-conforming to the Machinery Directive 2006/42 / EC, Annex II A. The product complies with the provisions of the above-mentioned directive - including the amendments valid at the time of the declaration. The following national standard has been applied: DIN EN 15194-2017

---

## INTENDED USE

---

Your cargobike is designed for use on roads and paved roads only. You may therefore e.g. do not drive on stairs, do drops or similar activities. Operating, maintenance and service conditions, which are described in this operating manual, are part of the intended use.

No liability or warranty is accepted if the use of the vehicle goes beyond its intended use, if safety instructions are not adhered to, if overloading or defects are improperly removed. Likewise, no liability and warranty will be accepted for assembly errors, intent, accidents and if the requirements for maintenance and care are not met. Changing the gear ratio and altering the electrical system (tuning) will result in the loss of all warranty and warranty claims.



### DANGER!

*Your cargobike is basically intended for the transportation of a single person only. Pay attention to the maximum gross weight (see below).*



### TIP!

*Permitted total weight = 330 kg =  
Weight driver +  
Weight Flexbox 49 kg +  
Weight charge +  
Weight load*



### EXAMPLE:

*Permitted total weight = **495 kg** -  
Unladen weight Pick-Up 160 kg -  
Weight Flexbox 55 kg -  
Weight driver 90 kg =  
Payload **190 kg***

---

## BEFORE THE FIRST RIDE

---



### ATTENTION!

*Your new cargobike will be delivered ready to drive for safe operation. The handover of the cargobike to you must be documented in the cargobike vehicle registration document and in the ID document (see page 29).*

*Check the tightness of all important fastening screws and nuts.*

*Check the air pressure in the tires. The information on the prescribed tire pressure can be found on the side surfaces of the tires. Comply with the minimum and maximum pressure specifications! Check tires and rims for damage, cracks and deformation.*

*Check the tightness of the battery. Check the charge status of the battery.*



*Familiarize yourself with the functions of all controls.*



### **DANGER!**

*With activated cargobike drive, the cargobike immediately moves, when you start pedaling! So pull the brakes before getting on the cargobike. The unaccustomed move may lead to hazards and accidents.*

## **BRAKING SYSTEM**

Details on brakes can be found on page 12.



### **DANGER!**

*Motorcycle brakes work much harder than simple rim or bicycle disc brakes! Be sure to test off the road first. Careless operation of the brakes can lead to a fall. Slowly approach stronger deceleration.*



### **DANGER!**

*At full load, the handling changes, especially when cornering. The braking distance is longer. Therefore, at the beginning, do some driving and braking tests with and without payload in order to get used to the changed driving behavior.*

## **GEARS**

Familiarize yourself with the new gearhub in a safe place. More about gear shifting on page 13.



### **DANGER!**

*If your cargobike is fitted with pedals with rubber or plastic cage, please become familiar with their grip. Pedals with rubber or plastic cage may get slippery when wet!*



### **TIP!**

*Carry out all checks from the following section „BEFORE EVERY RIDE (QUICK CHECK)“.*

---

## BEFORE EVERY RIDE (QUICK CHECK)

---



### DANGER!

*Do not ride your cargobike if concerned about any of these points!*

*If in doubt please consult your dealer. A faulty cargobike can result in accidents!*



### ATTENTION!

*After a fall or an accident you may not use your cargobike again, until it has been checked for damage by a bicycle / motorcycle dealer.*

## BOLTED JOINTS / QUICK RELEASE

Check, that all screw connections and the quick-release clamp of the seat post clamp are securely seated, even if you have parked your vehicle only briefly without supervision. You may only drive off if all fasteners are tightly closed.



### DANGER!

*Only drive if the short check has been completely passed. If in doubt, find a bicycle / motorcycle dealer. A faulty cargobike can lead to accidents. Improperly closed quick releases and fittings may result in component failure and serious falls. Check the secure fit of the seat post quick release fastener, even if you parked your cargobike only shortly at an unattended place.*



## WHEELS

Check the air pressure and condition of the tires. More on page 15. The wheels must turn easily and have sufficient concentricity.

## LIGHTING SYSTEM

Check that the front and rear lights, flashing and brake lights are working and that the front light is correctly adjusted. This is explained on page 16.

## BRAKES

Tighten both operational brake levers. You need to feel a distinct pressure point and the levers should not be pulled to the handle.

## VEHICLE LOAD CAPACITY

Check the tightness of the payload. It must be securely fastened and there must be no loose fasteners that can get caught in the wheels. Do not load your cargobike one-sided. Do not cover lighting and reflectors. Note that the handling with payload may be different.

## GESAMTGEWICHT

Make sure that the permissible total weight is not exceeded (page 6).

## BATTERIES

Check each time you insert the batteries their tight fit. Press the battery into it's mount, until you feel it sitting tight into place. Pull the strap with force until it is noticeably tight. Pull each battery to make sure it is firmly anchored.



### DANGER!

*An incorrectly inserted battery can become loose while riding and can cause unexpected malfunctions or damage the batteries.*

---

## ADJUSTING THE RIDING POSITION

---



### DANGER!

*Never drive if the seat post has been extended beyond the mark on the shaft! The marking must not be visible above the top edge of the seat tube, otherwise the post could break or the frame could be damaged. After a possible shortening of the seat post, at least 80 mm must remain in the frame!*

## SITZPOSITION KORREKT EINSTELLEN

To find the optimal seating position, please proceed as follows:

- Sit on the saddle and turn the right crank arm pointing straight down to the floor.
- Put your right foot under the pedal and check, if your leg is completely extended. Otherwise follow the steps on the right.



- Descend and open the seat post quick release and adjust the seat height, so that the foot can be kept in a horizontal position with the leg fully extended under the pedal.
- Now place both feet on the pedals and turn the crank backward to test.
- The optimum seat height is reached, when the knees can never fully extended while pedaling.





## DANGER!

*In case of replacing the saddle, please pay attention, that the seat post is designed for a seat rails diameter of 7 - 8 mm. Differently designed rails can lead to failure of the components and accidents.*



## DANGER!

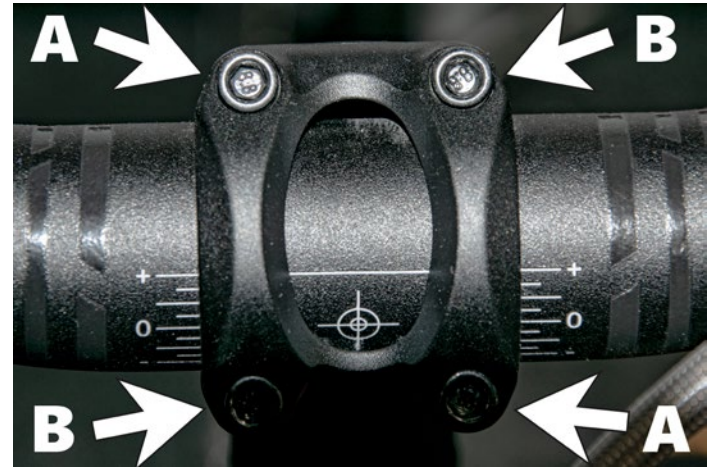
*Adjusting the height of A-headset stems requires adjustment work on the headset bearing and involves high danger of accident in case of assembly errors. Therefore let this work be carried out by a specialist.*



## ADJUST TILTING OF THE HANDLEBAR

Adjust the handlebar, so that the wrists are relaxed and not twisted too much. Adjusting the handlebar position is done by turning the handlebar in the stem.

- Unloose the four screws A and B of the handlebar clamp by a few turns.
- Turn the handlebar to the desired position.
- Make sure, that the handlebar is clamped exactly in the middle of the stem.
- First, tighten the opposite screws A and then B alternately to 6 - 8 Nm.
- Align the display correctly and retighten its screws.



## DANGER!

*After making any changes to the handlebar and stem position, check that all the cables and lines on the handlebar are long enough. All steering movements must be done easily and safely.*

---

## BRAKING SYSTEM

---

The brakes on your cargobike allow you to achieve a high braking performance in any driving situation with low hand force. The stopping distance also depends on driving skills. This can be trained. When braking, the weight shifts forward and the rear wheels are relieved. Especially when driving downhill, this problem is exacerbated. During a full braking, you must therefore try to shift your weight as far back as possible. Actuate both brakes simultaneously and note that the front brake can transmit far greater forces.



### DANGER!

*Wetness reduces the braking effect. Expect longer braking distances in raining conditions! When replacing the brake pads, use only approved pads, that match the brake surface. Your dealer will be happy to advise you. Pay attention to absolutely wax-, grease- and oil-free pads and braking surfaces.*



### DANGER!

*Brake disc and caliper can get very hot during braking. This applies especially after frequent braking or long downhill runs. Therefore do not touch the brakes directly after braking to avoid skin burns.*

## MAINTENANCE OF DISC BRAKES

Check the function of the brake system for braking effect regularly, attrition and leaks. The brake pads must be renewed, if they are dirty or if the thickness of the pads has dropped below one millimeter. Under no circumstances may the carrier plate touch the brake disc.



### DANGER!

*Avoid braking for long periods of time, as can happen on long steep descents. Otherwise it can lead to bubbling of the brake fluid and a total failure of the brake system. Heavy falls and injuries can be the result.*



### TIP!

*New brake pads must be restrained for optimum braking performance and low wear. Accelerate the bike about 30 times to about 25 km / h and brake as much as possible to a standstill. The restraining process is completed, when the necessary hand force for the highest possible braking action does not further decrease.*



### ATTENTION!

- *Let worn brake pads replaced by your dealer.*
- *The braking effect of disc brakes can be greatly reduced by oil, care or cleaning fluids! When cleaning your cargobike or lubricating the chain, make sure that the brake pads and brake discs are not contaminated. Oily brake pads must be replaced, brake discs can be cleaned with brake cleaner.*
- *Avoid touching the friction surfaces of brake discs or pads with your fingers.*
- *Check the brake system for leaks or kinks in the brake pipes before each ride. The loss of brake fluid leads to the reduction or even to the failure of the braking effect! Contact a specialist dealer immediately to have any leaks eliminated.*

---

## GEARS

---

### CHANGING GEARS CORRECTLY

Your cargobike is equipped with hub gears (Rohloff, Shimano). Please notice, that the gear shifting process must be done without pedaling.



### DANGER!

*Practice switching on a traffic-free terrain. In road traffic this distracts your attention too much.*



### TIP!

*The instruction manuals for the hub gears of Rohloff and Shimano can be found on the internet:*

- *[https://www.rohloff.de/fileadmin/user\\_upload/Handbuch\\_komplett\\_8295\\_.pdf](https://www.rohloff.de/fileadmin/user_upload/Handbuch_komplett_8295_.pdf)*
- *<https://si.shimano.com/#/en/search/Keyword?name=nexus>*



### TIP!

*Observe the notes in the separately enclosed instructions of the hub gear manufacturer.*



### DANGER!

*The adjustment of the hub gear is a job only for the experienced bike mechanic. Incorrect adjustments can lead to serious mechanical damage. If you have problems with your hub gear, consult an expert. Even after an accident you should have the hub gear checked by a specialist.*

---

## DRIVE CHAINS

---

### CARE OF THE DRIVE CHAINS

Chains are wearing parts on the cargobike, but the life span can be optimised by the rider. Make sure that the chains are lubricated regularly, especially after riding in heavy rain.

- From time to time clean your chains with a dry cloth.

- Apply a suitable lubricant from specialist dealers to the chain links.

### WEAR OF CHAINS

The chains, along with gears / sprockets must be replaced after about 2,000 to 4,000 km. Therefore, have the chain renewed regularly by a specialist.

### CHANGING THE DRIVE CHAINS

The exchange of the drive chains belongs in expert hands. If necessary, a bicycle dealer specializing in motorcycle technology can mount the correct chain on your cargobike.



### DANGER!

*An improperly mounted or tensioned chain can jump off or break and can cause accidents. Have the drive chains changed by a bicycle specialist.*

---

## WHEELS AND TYRES

---

The wheels of the vehicle are heavily loaded. After a entering time of 200 to 400 km, a motorcycle specialist should check the wheels and, if necessary, re-center them. Even then, you must check the wheels regularly.

### TYRES AND TYRE PRESSURE

A tire can only work well, if it is filled with the right tyre pressure. The correct inflation pressure also improves puncture safety. The recommended air pressure is given in bar and PSI on the sidewall of the tyre.



#### DANGER!

*Always inflate the tyres more than the minimum allowable pressure and never exceed the maximum allowable pressure! The tyre could jump from the rim or burst, which can lead to accidents.*



#### TIP!

*Always ride with the required tyre pressure and check it regularly.*

## INNER TUBE AND VALVE

Your cargobike uses Schrader valves, as used in car wheels. If the valve inserts are not fully tightened, this results in air loss. Check the tightness of the valve core in the valve stem. Make sure that the valve is in a straight position!

### CHECK TYRES

Check the tyres on a regular basis.



#### DANGER!

*Tires with a worn profile or tires, whose flanks are brittle, should be replaced by a specialist. The build up of the tire inside can be damaged, if moisture or dirt gets in it. Defective rim tapes (these are between inner tube and rim) must be replaced immediately. Damage to the tires can in extreme cases lead to sudden bursting of the inner tube with an accident!*

## CHECK OF RIM CONCENTRICITY

Check the concentricity from time to time. To do this, lift the wheel off the ground and turn it by hand. Observe the concentricity of the rim. If this changes visibly, the wheel should be re-centered by a specialist.



### TIP!

*The centering of wheels should be done by a specialist!*



### DANGER!

*Regularly check the rims for defects and wear. A bent, cracked or broken rim can lead to serious accidents.*

## REPAIRING A PUNCTURE


Your cargobike is equipped with moped tires, that have good puncture protection. In addition, the inner tubes are provided with a anti-puncture fluid, which smaller punctures, e.g. caused by thorns or small nails, etc., effectively seals the tube from the inside. Therefore, a flat tire on the road is relatively unlikely.



### TIP!

*For detailed information about repairing a flat tire, please contact a dealer or obtain literature.*

## LIGHTING SYSTEM

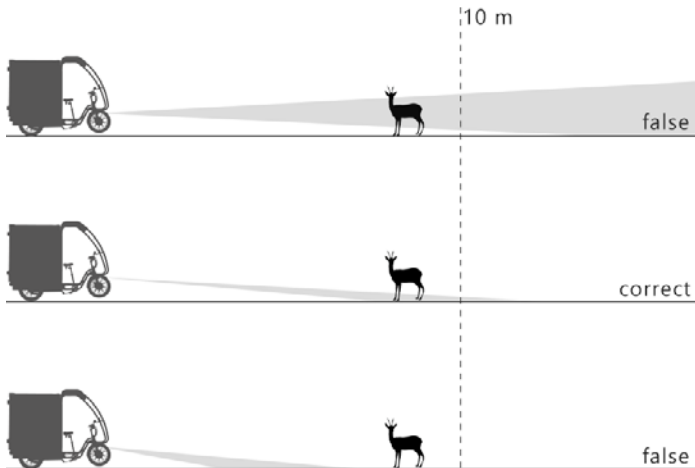
The driving light is automatically activated at system startup. This is indicated by the symbol  on the display. In the current version of BRING S there is no possibility to switch off the lighting system.





## ADJUSTING THE HEADLIGHTS

- The center of the area illuminated by the headlights must hit the road at least 10 m in front of the cargobike.
- To correct the setting, loosen the fixing screw and tilt the headlight as desired. Tighten the screw again.



### **DANGER!**

*Never use your cargobike without a functioning lighting system! Never drive without sufficiently charged batteries. In the dark, you will be easily overlooked by other road users or you might miss the roadside obstacles. Heavy accidents can be the result!*

---

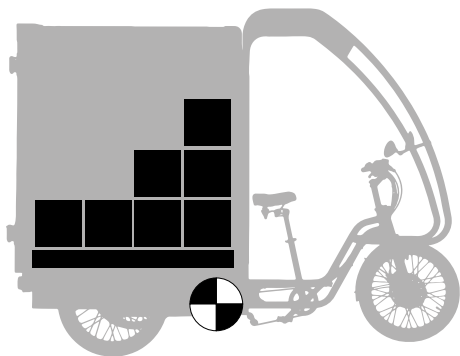
## DUTY TRANSPORT

---

The FLEXBOX offers space for a Europool pallet (Euro pallet).

Pay attention to optimal weight distribution and securing the load. If possible, the largest weight should always be positioned in the center and as far as possible at the front of the vehicle's center of gravity. Secure the load sufficiently against slipping, as otherwise there is a risk of accident.

Observe the maximum permissible load (see page 6).



Align cargo to the mass centre!



### DANGER!

*Inadequate securing of the cargo can cause accidents under certain circumstances!*

Before driving with a loaded vehicle, check the following points:

- Is the cargo sufficiently secured against slipping?
- Is the permissible total weight not exceeded?
- Is it ensured that nothing gets into the spokes?
- Is the tire air pressure high enough?
- Is the charge evenly distributed?
- Are lights or reflectors not covered?
- **It is strongly recommended to all drivers to perform driving exercises and brake tests at maximum load!**



### ATTENTION!

*At full load, the driving behavior changes. The braking distance is longer. Slowly approach the handling at maximum load.*

---

## DRIVE SYSTEM

---

Your cargobike is equipped with a drive system made by Heinzmann.

The battery system is manufactured by SBS. Carefully read the manufacturer's instructions for handling the battery and charger (FILON FUTUR).



### **DANGER!**

*For correct and safe operation of the electrical drive of your cargobike, it must be checked by the specialist or manufacturer during the inspection. Immediately remove the battery from the bike, if you notice any damage to the electrical system and go to a specialist electric bicycle shop for repair.*

*Also contact a authorised service partner or us, if you have a question, problem or defect. Lack of expertise can lead to serious accidents.*



### **TIP!**

*Please note that your cargobike will not provide any light when you are driving without a battery or with the system switched off.*



### **DANGER!**

*Do not charge in flammable environment. For safety reasons, the charger and the battery must be placed on a dry and non-combustible surface.*



### **DANGER!**

*A defective battery may not be charged or used. Never ship a battery by yourself! Cargobike batteries are categorized as dangerous goods. Under certain conditions it can overheat and catch fire.*



## ATTENTION!

*Do not open the batteries. There is a risk of a short circuit. You also lose the warranty claim in case of opening the battery. Protect the battery from mechanical damage, heat (e.g. even from constant sunlight), fire and immersion in water. There is a danger of explosion. Damage and improper use of the battery may cause vapors to escape. Keep children away from the battery.*

*To charge the batteries, proceed as follows:*

- 1. The cargobike system can be on or off to begin charging.*
- 2. First connect the two chargers one after the other with the charging sockets.*
- 3. Now connect the power cord to the mains and charging will start automatically. If the cargobike system is switched off at this time, it will now turn on automatically.*
- 4. Once the charging process is completed, the chargers can be disconnected from the mains.*
- 5. In the last step, the charging cables must be disconnected from the vehicle.*



## TIP!

*For a more detailed description of how to charge, see the enclosed Quick Start Guide on page 12.*

---

## RANGE IN COLD CONDITIONS

---

The electrical components of your cargobike are designed to work well up to a temperature of  $-10^{\circ}\text{C}$ . When cold, the range of your vehicle is reduced. This is a normal physical process, that is not an error or defect. If you use the batteries in warmer temperatures, you can use the full capacity again.

We advise you to store and charge the batteries on cold days overnight at room temperature and then start driving directly after inserting the batteries in the cargobike. By current drain the battery heats up and you get a good range of your cargobike even in cold weather. Nevertheless, in the winter, plan your driving route a bit shorter or drive with a lower level of assistance.

---

## GENERAL CARE INSTRUCTIONS

---



### DANGER!

*Before you work on your cargobike, such as maintenance or care, unplug the batteries from the electric system. Inadvertent activation of the electrical system can cause injury.*



### ATTENTION!

*Only work, if you have the necessary expertise and the right tools.*

## WASHING AND CARING

Sweat, dirt and salt from winter operation or from the sea air damage your cargobike. Therefore, you should regularly clean your vehicle and protect it from corrosion. Use clear water for cleaning and, if necessary, additional detergent to dissolve fat residues. After drying, maintain the surface with a care product, that you can obtain from a specialist dealer. Finally, rub the parts off with a soft, clean cloth.



### ATTENTION!

*Do not clean your cargobike at a short distance with a sharp jet of water or the steam jet. Water can push into seals and penetrate the interior of the bearings. Lubricants are diluted and friction is increased. Over time, this leads to the destruction of the bearing surfaces.*



### DANGER!

*Do not apply any care products or chain oil to the brake pads and brake discs! The brakes can otherwise fail, accidents and serious injuries can be the result.*

## PRESERVING THE CARGOBIKE

It is recommended to keep the cargobike in a dry, shady, well-ventilated place.

## STORING THE CARGOBIKE

- During the long idle time, the inner tubes gradually lose air. This can damage the tire. Check the tire pressure regularly.
- Clean the cargobike and protect it against corrosion.
- Keep the cargobike in a dry room.
- Charge the battery to about 60% before storing. Recharge the battery to 60% every three months.

---

## INSPECTIONS

---

After the entering time you should have your cargobike serviced at regular intervals. The times given in the table in the appendix (page 28) are intended as indications for users, who drive between 4,000 and 6,000 km per year. If you regularly drive a lot on bad roads, the inspection intervals are shortened. This also applies to frequent rides in rain and humid climates.



### DANGER!

*The Cargobike, like all mechanical components, is subject to wear and high loads. Different materials and components may react differently to wear or wear due to stress. If the expected service life of a component is exceeded, it may suddenly fail and possibly cause damage to the driver. Any kind of cracks, scratches or color changes in highly stressed areas indicate the expiration of the operating life of the component; the component should then be replaced.*



### ATTENTION!

*For your own safety, bring your cargobike to an authorised service partner or e-bike / motorcycle dealer for initial inspection after 300 to 600 km, but no later than three months.*

---

## ENVIRONMENTAL TIPS

---

When caring for and cleaning your bike, take care to protect the environment. For this reason, use biodegradable cleaning agents whenever possible during care and cleaning.

### BRAKE CLEANER AND LUBRICANTS

Proceed with brake cleaners and lubricants as with the general care and cleaning agents. When handling especially with brake cleaner, make sure that it does not fall directly into the brake calipers, as otherwise the function of the brakes may be impaired. Therefore, wipe off the brake cleaner near the brake calipers with an absorbent and grease-free cloth.

### TYRES AND INNER TUBES

Tires and inner tubes are not domestic waste and must be disposed of at a recycling center.

### BATTERIES

Cargobike batteries are not domestic waste. They are to be treated as dangerous goods and are therefore subject to a special labeling obligation. They must be disposed of by a specialist dealer or the manufacturer.

---

## STATUTORY WARRANTY / GUARANTEE

---

Among other things, cargobike stands by the law for ensuring that your cargobike is free of errors that negate or diminish value or fitness. Your right to claims ends after two years from the date you accept delivery of the bike from the dealer. Notwithstanding the statutory warranty of quality, we also provide you a five year warranty against frame breakage.

Extended warranty claims are only valid if the following conditions are met:

- You are the original owner of the cargobike
- The service record in the appendix is completed and all required inspections were performed and noted by the dealer.

In case of damage, the completed service record must be submitted along with the frame or the complete cargobike. Therefore protect these important documents. If all criteria are met, then we will replace the defective item but shipping and labor will be charged to the customer. This warranty only applies to the original buyer. Further claims such as damages or other losses are not covered. Any warranty claims do not extend the original warranty period. Damages due to wear and tear, neglect (insufficient maintenance), jumping, overloading or amateur assembly or modifications (additions to or alterations of existing components) are not covered. Damages caused by competitive racing, jumping or other types of overstressing are not covered. The battery of your cargobike is a consumable item; the electronic components of the system are subject to the two year statutory warranty. We provide a voluntary guarantee for the complete batteries of one year. We guarantee that the batteries after a year or 500 charge cycles (whichever comes first) will still have a capacity of 60 %. Even a "used" battery, which perhaps has only a residual

capacity of 55 %, can be used for a long time with stable performance. The battery should last over 1,000 charge cycles without a problem.

## **INFORMATION REGARDING WEAR**

Some parts of your cargobike are subject to functional wear. The amount of wear depends on the maintenance of the cargobike and the riding conditions (mileage, riding in the rain, dirt, salt, etc.). Cargobikes that are often standing outside in the weather are subject to increased wear. These parts require regular maintenance and care but will (depending on the intensity of use and riding conditions) eventually reach the end of their useful life. These parts must be replaced when they reach their wear limit.

These include:

- drive trains
- brake fluid
- handlebar grips
- chain ring, sprockets
- shift cable
- tyres
- saddle pad
- brake pads
- brake discs
- rims
- brake fluid
- brake cable

The pads and disc brakes are subject to functional wear. Intensive use or riding in mountainous terrain shortens the life of the pads. Check the pads regularly and replace them as needed. You can acquire replacements from your local dealer.

Also brake discs are subject to wear. During inspection your dealer must check the disc thickness and replace the disc if required. Your point of contact for claims and services is the manufacturer or dealer from which you purchased the cargobike. Please note that if your cargobike is sent to us for repair: the cargobike must be sufficiently clean before repairs can take place. Remove any accessory items like

additional computers, mirrors, locks, etc. prior to shipping.

Service is only performed on the original standard equipment. Individual modifications will be restored to the original standard equipment. In the context of service no worn out parts will be replaced and no inspections carried out. In addition, payments and materials are handled exclusively through us. To ensure a long service life the components must be installed to the manufacturer's recommended torque specifications and the recommended service intervals must be strictly adhered to. Failure to comply with the installation requirements and inspection intervals voids the warranty. Please note that actions / inspections outlined in your instruction manual may dictate the replacement of safety related components such as handlebars, brakes, etc. The stress to a cargobike depends strongly on the load, the road conditions and the riding style. Extraordinary stress, bad road conditions like cobble stones, potholes or curbstones) will reduce the cargobike lifetime to the normal standard. At the end of lifetime BAYK AG does not grant road safety.



---

## NOTES

---

---

## NOTES

---

## RECOMMENDED TORQUE SETTINGS

PART	FITTING	TORQUE
Hydraulic brakes	Mounting screws brake lever	5 – 6 Nm
	Mounting screws brake caliper	6 - 8 Nm
	Mounting screws brake disc	2 - 4 Nm
Parking brake	Mounting screws brake lever	5 – 6 Nm
	Mounting screws brake caliper	6 - 8 Nm
	Mounting screws brake disc	2 – 4 Nm
Twist grip hub gears	Shimano Nexus	2 - 2,5 Nm
	Rohloff	2 Nm
Shift cable locking screw	Shimano Nexus	1 - 2 Nm
	Rohloff	3 Nm
Control unit blinking lights / horn	Mounting screw	3 - 5 Nm
Button starting aid	Mounting screw	3 - 5 Nm
Button reverse gear	Mounting screw	3 - 5 Nm
Thumb throttle	Mounting screw	3 - 5 Nm
Display	Mounting screw	0,3 - 0,5 Nm
Stem A-Headset	Handlebar clamp 4 screws	5,5 Nm
	Head tube clamp 2 screws	5 - 7 Nm
	A-Head cap	3 - 4 Nm
Seat post / saddle	Mounting screw for seatpost clamp	6 - 8 Nm
	Clamping screw on seatpost	9 - 12 Nm
Mudguard	Mounting screws	9 - 12 Nm
Pedals	Screws	35 - 40 Nm
Hubs	Axle nuts front hub	35 Nm
	Axle nuts rear hub	150 Nm

## RECOMMENDED TORQUE SETTINGS

PART	FITTING	TORQUE
Hub gears	Axle nuts / Mounting screws Shimano Nexus	30 - 45 Nm
	Axle nuts / Mounting screws Rohloff	30 - 35 Nm
Sprockets	Shimano Nexus	-
	Rohloff	-
HUMBAUR Flexbox	Locking nut	18 Nm
Tube frame	Mounting screws	18 Nm
	Mounting front (grub screws)	10 Nm
Fork	Fork tube clamping	14 Nm
Crank	Chainwheel screws	7 Nm
	Crank arm bolts	35 - 45 Nm
Chain tensioner	Rohloff	8 Nm



# MAINTENANCE PLAN

PART	TASK	BEFORE EVERY RIDE	MONTHLY	YEARLY	SPECIAL INTERVALS
Lighting system	Check mounting screw	•			
Tyres	Check air pressure	•			
	Check tread and sidewall		•		
Brakes	Check lever travel, pad thickness, screws discs and calipers			x <sup>1</sup>	
Brake hoses	Visual check	•			
Fork	Check clamp screws of the fork crowns			•	
Chains	Check chain tension, oil chain				• (alle 1.000 km)
	Check wear, possibly replace				x (ab 3.000 km)
Crank	Check, possibly retighten,			x <sup>1</sup>	
	check chain ring wear			x <sup>1</sup>	
Paint	Protect			•	
Wheels / spokes	Check concentricity and tension	•			
	Axle nuts			• <sup>1</sup>	
Handlebar / stem	Visual check			x <sup>1</sup>	
	Exchange				x (Nach Sturz, 25.000 km oder 5 Jahren)
Lock on grips	Mounting screws auf sicheren Sitz überprüfen			• <sup>1</sup>	
Headset	Check bearing play		•		
	Relubricate			x	
Hubs	Check for bearing play, lubricate			x <sup>1</sup>	
Pedals	Check for bearing play, lubricate			x <sup>1</sup>	
Seat clamp	Check that it is properly seated			•	
Seat post	Clean seat tube, lubricate			•	
Nuts and bolts	Check (possibly retighten)		•		
Mounting mudguard	Check (possibly retighten)			x	
Ventile	Check that it is properly seated	•			
Housing shifter	Remove, lubricate and reinstall			x	

You can carry out the checks marked with • yourself, if you have the manual skills, some experience and suitable tools, e.g. as a torque spanner. If there are any deficiencies during the inspections, initiate suitable measures immediately. For questions or ambiguities we will help you. The work marked with **x** should only be carried out by a qualified dealer or by BAYK AG as part of an annual inspection.



## TIP!

*Always use original or at least equivalent spare parts.*

<sup>1</sup> These fittings should be inspected annually by a specialist using torque spanner.





#### **BAYK AG**

Manufactory  
Dettenhofener Str. 14  
93188 Pielenhofen  
Germany  
Tel.: +49 9409 86 255 77  
E-mail: [info@bayk.ag](mailto:info@bayk.ag)  
Web: [www.bayk.ag](http://www.bayk.ag)

#### **Sales**

Stefan Kruschel  
Tel.: +49 151 150 388 80  
E-mail: [kruschel@bayk.ag](mailto:kruschel@bayk.ag)

#### **Development & Technical Support**

Tel.: +49 9409 86 255 79  
E-mail: [support@bayk.ag](mailto:support@bayk.ag)

#### **Social Media**

Facebook: [fb.com/bayk.ag](https://fb.com/bayk.ag)  
Instagram: [instagram.com/bayk\\_ag](https://instagram.com/bayk_ag)  
Youtube: [bit.ly/bayk-yt-channel](https://bit.ly/bayk-yt-channel)