coboc

MOTION ENGINEERING

Original Bedienungsanleitung

Hallo.

Congratulations on your Coboc Bike.

Our brand stands for sustainable design and maximum functionality. We don't mind taking unconventional paths as long as the products we pass on to our clients did fully convince us.

Please make sure to have read and understood the complete user manual before using your Coboc bike, as it contains a lot of information relevant to your personal safety. Non-observance may lead to serious accidents, as well as personal or material damage.

Each other person using, repairing, servicing or disposing of your Coboc bike, has to fully acknowledge and understand the user manuals content.

If there are still some unanswered questions please contact your local Coboc dealer. This user manual is part of the scope of delivery of your Coboc bike. It is only valid for the product shipped along with it.

Please make sure to store this manual in a safe place.

Please also make sure to enquire information about your national guidelines before using your Coboc bike on public roads. Take note that for improvement purposes. The contents of this manual could be altered without prior public announcement.

You may find possible updates at: *www.coboc.biz/bedienungsanleitung*

But for now we wish you an electrifying driving experience.

Your Coboc Team.

November 2019

ONE Soho

ONE Brooklyn

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SEVEN Vesterbro

SEVEN Kanda

SEVEN Montreal

Your coboc bike at a glance

User interface

Power button, led-display, light control,
Magnetic charging connect

Top tube

Integrated rear light

(Products seven)

Hub motor

Motor cable

Gears

(Seven montreal & seven kanda)

Stem

Handlebars with brake lever

(Seven montreal & kanda with gear lever)

Tightening torques

Front light

(Products seven)

Coboc e-drive inside down tube

Pedal

Sensor in bottom bracket

*Coboc SEVEN Montreal is pictured

Safety instructions

Please make sure that you've carefully read and understood the users manual, before using your Coboc bike for the first time, as it contains a lot of safety relevant information.

Non-observance may lead to serious accidents, as well as personal and/or material damage. If you borrow your bike to someone you should insist that those borrowing it have completely read and understood the manual before riding for the first time.

The user manual is best kept close to your Coboc bike, so that it is accessible at any time needed. Always drive responsibly, as cyclists are exposed to increased risks, especially when riding on public roads. We recommend wearing a safety helmet during every cycling trip. The safety helmet should be correctly adjusted to your head and its intended purpose. Follow the helmet manufacturers instructions. Wear a suitable outfit. It should be bright and you should attach reflectors so that other road users can recognize you early enough. Clothing in the leg area should have a tight fit so that your clothes can't get caught in your Coboc bike.

Use cycle clips if needed. Entangling clothes in your Coboc bike may result in an accident. Take into account the increased performance. Due to the electric motor in your Coboc bike the performance is considerably higher than that of ordinary bikes. On the one hand this means that higher top speeds can be reached and on the other hand that more torque is transmitted to the rear wheel. This may lead to unusual sliding of the wheels, especially on wet ground.

Get used to your Coboc bike. The special characteristics of your Coboc bike require you to familiarise with them in safe and open areas. Only use your Coboc bike in public as soon as you have it under control.

Symbolism: for a more simple readability certain points in this user manual are highlighted. We used the following symbolism for that:

INFO: This symbol highlights valuable information and points worth knowing.

CAUTION: This symbol warns you against improper use, that may lead to environmental pollution, damage to your Coboc bike or other material damage.

WARNING: This symbol indicates possible health hazard and danger to life, that may occur if the bike is being operated incorrectly or used improperly.

Quick start guide

SCOPE OF DELIVERY

- Coboc Bike
- Battery Charger
- Pedals
- Hex Socket Key
- User Manual
- Reflector Set with Bicycle Bell
- Paint Protection Film

SET-UP

Coboc bikes are almost completely assembled at the point of delivery. However, handlebar and pedals are loosened for transport, which is why, prior to your first ride, you must bear in mind the user manual while taking the following steps. Particularly take into consideration the safety instructions and the indicated tightening torque for screw fittings *(s. chapter Maintenance & Care such as Tightening torques)*.

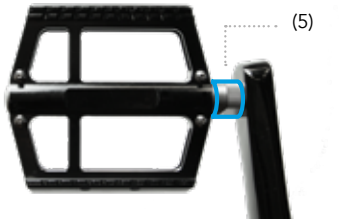
Checking tire pressure

Check the tire pressure before the start of every journey. It is given on the side of the tire and can differ depending on the tire model.

Screwing on pedals

Lightly grease the pedal threads before screwing them into the intended cranks (5).

WARNING: Both pedals have different threads and need to be screwed in at the intended side. The right pedal has a right-handed thread, while the left pedal has a left-handed thread. Mixing them up may lead to damaged crank arms or pedal threads. Make sure both pedals are tightened.



Aligning handlebar and stem

First loosen both screws (1) The fitting hex socket key is included with delivery. Align the handlebar in a way that stem and front wheel are in line with each other. Now tighten screws (1) again. Afterwards loosen the four screws in the stem (3). Turn the handlebar into desired driving position and tighten screws afterwards. Make sure that you tighten all 4 (2) screws equally.

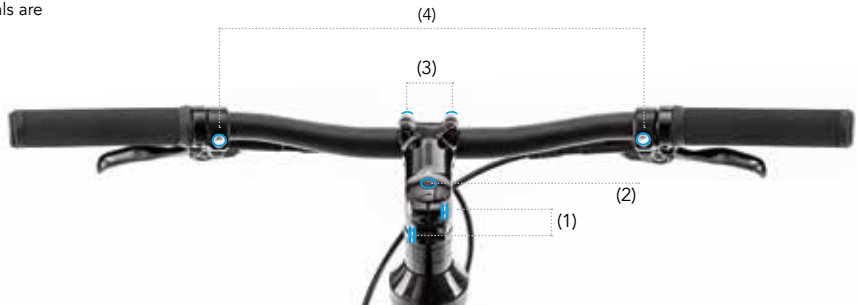
Adjusting brake levers

Loosen the clamp screws (4) and adjust the brake lever according to your preferred grip position. It should be comfortable and safe at the same time. Afterwards tighten the clamp screws (4) again.

Setting headset bearing

Check if the headset bearing has play. To do that, you must pull the front brakes while pushing your bike back and forth a couple of times. The handlebar should be able to slightly move from left to right, while bearing clearance should stay at a minimum. If there is bearing clearance, again loosen both screws (1) and slowly tighten screw (2) until the bearing has no play anymore. Afterwards tighten both screws (1) again.

ATTENTION: Do not tighten screw (2) too much, as this may lead to a damaged headset bearing. If the handlebar only turns with effort, then this could mean that screw (2) has been tightened too much. If this is the case, loosen screws (1) in order to slightly loosen screw (2). Afterwards tighten both screws (1) again



COBOC E-DRIVE

Turning your bike on and off

Briefly pressing the power button (7) of the user interface, positioned at the bottom side of the top tube, activates the Coboc E-Drive. Your LED display (6) is going to show at least one lit LED, in order to indicate the battery level of your Coboc bike. Putting more force into the pedals means unfolding more motor power. As soon as you stop pedaling, the motor support stops too.

WARNING: Because of the electrical support you are going to be much faster and dynamic on the road than you are used to with ordinary bikes. We suggest you take your time to get used to this new driving behavior.

Turning your lights on and off (Product line SEVEN/TEN)

Your Coboc bike is equipped with a lighting system. You can turn this system on and off by pressing down on the power button (7) for 3 seconds. This is also possible if the Coboc E-Drive is turned off.

Battery level – LEDs are lit up

5 LEDs	are lit up	in blue	battery level of	80 %	to	100 %
4 LEDs	are lit up	in blue	battery level of	60 %	to	80 %
3 LEDs	are lit up	in blue	battery level of	40 %	to	60 %
2 LEDs	are lit up	in blue	battery level of	20 %	to	40 %
1 LED	are lit up	in blue	battery level of	1 %	to	20 %

Errors – LEDs are flashing

4 LEDs	are flashing	red	something is wrong with the motor cable
3 LEDs	are flashing	red	something is wrong with the bottom bracket torque sensor
2 LEDs	are flashing	red	other errors
1 LED	is flashing	blue	battery level is too low

RIDING

Your Coboc bike drives like an ordinary bike – only it's more dynamic. The more force you use to tread the pedals, the more force is unfolded in the motor. As soon as you stop treading the pedals, the motor stops supporting you.

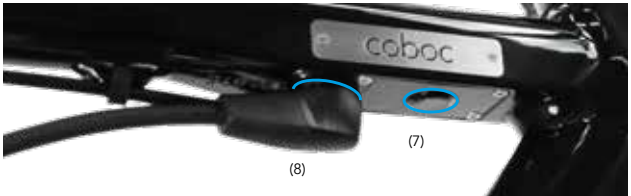
WARNING: You are going to be much more dynamic with your Coboc bike than you are used to. Slowly get used to your Coboc bike.

INFO: Should you ever have the feeling that the motor support is tuning in too early or too late, meaning at very low or very high pressure on the pedals, note that you can always re-calibrate the torque sensor. You can find all the necessary information at our helpcenter https://support.coboc.biz/navigating to 'Service und Pflege' → 'wie kalibriere ich mein Coboc Bike?'.

INFO: In the event of irregularities in operation or other mistakes, resetting the user interface might help. To do this you need to press and hold the power button (7) for about 20 seconds. Your bike is going to signalize a successful reset by briefly flashing the LEDs in blue and subsequently moving the LEDs in green light.

CHARGING

The charging socket (8) is placed right behind the power button (7) at the user interface. Simply connect the magnetic charging plug to start charging your Coboc bike.
A full charge of the battery from 1% to 100% usually takes two and a half hours with the regular Coboc 4A charger. However, the battery is already charged to 90% after two hours, which means that the charging time for the last 10% takes a bit longer (half an hour).
The ideal outside temperature for battery charging is somewhere between 5°C and 35°C. At temperatures between 0°C and 40°C electronics disables charging, in order to protect the battery from getting damaged.



Legal provisions

Please observe the existing regulations and laws in your country before using your Coboc bike on public roads. Below are shown the current most important regulations for Germany only. For a complete listing of regulations we refer you to the according legislative texts. Since pedelecs are a rather young vehicle category, so are related laws and regulations. As these regulations are constantly changing, please make sure to frequently check for any changes in legislation and regulation.

Within the EU, pedelecs with assisted pedalling up to 25 km/h and a motor with a continuous performance of 250 watts are controlled with the same regulations as ordinary bikes. Bikes with pedal assistance that may reach higher top speeds and/or higher motor performance are, according to EU directive 2002/24/EG, referred to as low-performance mopeds. Such vehicles require a type approval, such as the duty to wear a helmet and an insurance obligation.

Coboc bikes are shipped with 25 km/h and a motor performance of 250 watts as standard, which is why, according to EU directive 2002/24/EG, they are exempt from type approval.

German road traffic regulations (StVO) and road traffic licensing act (StVZO) apply if using public roads. Additionally, the StVZO requires the following for bikes:

A clearly audible bell.

A permanently fixed lighting system with white headlight and red rear light. In order to use the lighting system, bikes need to be equipped with either a generator or a rechargeable energy storage or a combination of both.

The following reflectors need to be attached to the bike:

- A white reflector in the front.
- A red reflector in the back, it may not be a triangular reflector of the category “Z”. It may, however, be integrated into the rear light.
- Laterally fitted reflectors have to be attached at the front and rear part of the bikes, while at least one has to be attached to the spokes. Alternatively, you may use tires with reflective rings on both front and rear ends. Every laterally fitted reflector needs to have the same colour (yellow or white).
- Pedals need to be equipped with reflectors radiating to front and back.

According to StVZO, bicycle bell and reflectors need to be attached to the bike for use on public roads. If necessary a lighting system needs to be retrofitted to the bike. Please make sure that your lighting system is at no time concealed. You may not use your Coboc bike on public roads if the lighting system is somehow damaged. Please contact your local Coboc dealer if repair or maintenance is necessary.

Responsibility for road safety for every Coboc bike remains with the customers.

Permissible total weight for your Coboc bike

Do not overload your Coboc bike. Permissible total weight should never be exceeded, which you can determine by adding up your own weight with that of your Coboc bike and the luggage weight.

	max. driver's weight	max. total weight (bike + driver + luggage)
Coboc Serie ONE	100 kg	120 kg
Coboc Serie SEVEN	100 kg	140 kg
Coboc Serie TEN	100 kg	140 kg

Max. additional luggage carrier weight

If your Coboc Bike is equipped with a luggage carrier as standard, each side may carry a maximum of 10kg of luggage. It has to be taken into account that even with luggage the permissible total weight should not be exceeded.

WARNING: Do not take anyone with you. Your Coboc bike is designed solely for the transport of individuals. If carrying luggage, take into account the national legislation of your country. According to StVo, the carriage of luggage requires a suitable installation on the bike.

Your Coboc bike is not meant to be exposed to extreme stress like riding down stairs or up ramps, so avoid those situations.

If your Coboc bike is equipped according to the national legislation, it may be used on public and paved roads. Please take note of the tips in chapter 5 – Legal regulations.

Also note that complying to the operation and maintenance conditions explained in this user manual is part of the intended use for Coboc bikes.

WARNING: Your Coboc bike is not a toy. Do not let children handle your Coboc bike without deatiled instructions or leave them unattended at any time. You should brief children on the dangers associated with the use of electronic devices. Please follow the regulations for minimum age of use that are valid in your country.

WARNING: Your Coboc bike has neither been designed to tow bicycle trailers nor for the installation of a children's seat.

The A-weighted emission sound pressure level at the driver's ears is less than 70 dB(A).

Coboc, such as our dealers, assumes no liability for any use other than the one intended, especially regarding non-compliance with the information given in this user manual.

Before every ride

Make sure your Coboc bike is ready for operation and that it is adjusted to your body height. Saddle height and handlebar position should be adjusted properly. Your saddle should be set to a comfortable and safe height.

WARNING: Choosing a frame size that does not suit your height or a defective adjustment may lead to loss of control and ultimately may lead to slips or crashes which again may lead to serious injuries and damage. If you have problems with picking the right frame size or how to properly adjust your Coboc bike, please refer to your local Coboc dealer.

Adjusting the saddle height

WARNING: The seat post may under no circumstances be put higher than the minimum depth of insertion. A mark at the seat post signals the designated minimum depth of insertion. Pulling the seat post out too far may result in crashes and serious damage to you and your bike. Using your Coboc bike below the minimum insertion depth will void the Coboc manufacturer's warranty for any resulting damage to your bike.

You may position your saddle in three different directions. First, make sure that the seat post clamping at the frame and the saddle clamping at the seat post are firmly tightened. Sit on the saddle and put one foot on the pedal while posting your other foot on the ground. Now use your heel to carefully tread the pedal until the crank arm is in line with the saddle tube. If you are standing on the pedal but your leg is not fully extended, this means that the saddle is probably too low. Vice versa if you have to reach for the pedal or if you have to tip your pelvis forward, that means that your saddle is positioned too high. If needed, you can loosen the seat post clamping at the frame, adjust the correct saddle height and tighten the clamping again.

Make sure that the saddle is in line with the top tube of your bike. Again, you may loosen the seat post clamping, in order to move the saddle left and right, before tightening it again. It is also possible to change the saddle tilt relative to the top tube. Just loosen the clamping at the seat post, adjust to your needs and tighten again.

WARNING: Please bear in mind the permissible torque for all these steps *(s. Chapter Tightening torque)* and make sure that all screw fittings are tightened before using your Coboc bike or sitting on your saddle to adjust it again.

Regular monitoring

Make sure that the lighting system on your Coboc bike works in the front and in the back.

You should be able to reach both braking levers without any problems. Also make sure to know which braking lever applies to which brake. As standard, the right brake lever applies to the rear brake and the left brake lever applies to the front brake. Note that the braking distance increases and that the tires might block faster if the ground is wet.

Make sure that the screws for your saddle, handlebar and brakes are tightened enough *(s. Chapter Tightening torque)*. In case of doubt you can try twisting saddle, handlebar or brakes. Nothing should move. Also make sure to regularly check all other screw fittings and ensure yourself that they are tightened correctly. Make sure that frame and fork are not damaged.

Check regularly for abrasion of friction components within the brakes *(s. Chapter Maintenance)*.

Testing the brake system

Push your Coboc bike forward while pulling the rear brake. If everything is adjusted correctly the rear wheel should be blocking. If applying the front brake, your rear wheel should leave the ground. Steering should not rattle or have any play. The brake levers should not be pulled more than halfway through during this test.

Checking the wheels

Check the wheels and tire pressure! Inspect the tires and rims for abrasion, damage, tears, deformations or smaller pieces that might be pushed in (e.g. glass fragments or nails). We advise you to use a suitable bicycle pump with built in pressure gauge. The optimal tire pressure is indicated on the side of the tire and may differ depending on the tire model. In case of doubt, or if you use components other than those already built in as standard, please refer to the tire manufacturer, to ask for the correct tire pressure. If tire pressure is too low, there is an increased risk of having flat tires due to rims pressing through the tire. Furthermore this might cause sustainable damage to the rim.

If the pressure is too high, tires or rims might be damaged. In any case, wrong tire pressure might cause crashes.

WARNING: If you are not sure whether your Coboc bike is in technically safe condition, do not start your ride. Let your local Coboc dealer or a service partner check your bikes condition.

If you use your Coboc bike extensively than make sure to have your bike checked more regularly from your Coboc dealer or a service partner *(s. Chapter Maintenance)*.

INFO: Before your ride, make sure that your battery level is high enough for the intended journey *(s. Chapter Battery level)*.

We assume that as a Coboc bike user you have gathered enough basic experience with ordinary bikes. If this is not the case, we recommend practicing on a bike without motor support. Because of the strong acceleration and the increased maximum speed it is recommended for you to be able to handle bikes very good.

Get used to your Coboc bike. The special driving characteristics for Coboc bikes require for you to familiarize with it on different terrain. Make sure that you got it under control before starting to use your Coboc bike in public.

Operating the Coboc E-Drive

Your Coboc bike has two operating modes:

„Bike Off" / manual riding: You can always choose to ride your bike without motor support. Motor support is turned off, if the five LEDs on the top tube are not lit up. You should keep motor support turned off, if storing or not using your Coboc bike.

„Bike On" / riding with motor support: Pressing the power button turns on motor support for your Coboc bike. Motor support is turned on, if the five LEDs on the top tube are lit up. In a turned on state LEDs indicate the battery level and motor support goes up to maximum speeds of 25 km/h.

Turning off

To turn your bike back off, just press the power button again in "bike on" mode. Your Coboc bike turns off automatically after staying unused for more than three minutes.

Usage

Operating the lights

Your Coboc bike is equipped with an integrated lighting system, which can also be operated by the power button. You can turn it on and off by pressing down the power button for three seconds. The lighting system is controllable in both “Bike on” and “Bike off” mode and turns off automatically after your bike stays unused for more than four minutes.

Due to residual charge the lighting system can be used for up to two hours after battery discharge.

Notes on using the brakes

Make sure to know which brake lever belongs to which brake before starting your ride. As standard the right brake lever belongs to the rear wheel brake and the left brake lever belongs to the front wheel brake. Regularly check the friction components for wear.

It is important for you to also check the wear on your rim brake flanks. Also make sure to check for brake pad wear on the brake shoes *(s. Chapter Maintenance)*. If wear is too heavy on any of these components, this may lead to total failure of the brake system. Hard falls and serious injury can be the result.

Use your brakes in a controlled and well-timed way. Too heavy breaking may leave your wheels blocked and therefore lead to loss of control. Hard falls and serious injury can be the result.

Hydraulic disc brakes

Avoid using the brakes permanently if riding downhill for longer periods as this might cause steam bubble formation and therefore lead to loss of control. Hard falls and serious injury can be the result. Always try to fully release the brakes or to switch between front and rear wheel brakes. That way the brake system can cool off. If necessary take a short break to cool it off. Always check the braking point before your journey. If you are able to pull the lever all the way back to the handlebar or of the braking point changes while riding you may not continue riding. Let your Coboc dealer either bleed your brake or fix it, if needed.

Level of motor support

The level of motor support adapts to your driving behavior. The stronger you tread the pedals, the more torque value is in the motor. This makes a “level of support” choice unnecessary. However, you can apply a fine-tuning of your Coboc E-Drive on your phone via our Coboc App. Please note, that you may not use the Cobc App while riding your bike *(s. Chapter Coboc App)*.

WARNING: Only start pedaling if seated securely on your Coboc bike. As soon as pressure is applied to the pedals, the motor support is set free. If you want to sit on your bike by putting one foot on the pedal while swinging over the saddle with the other leg, be aware that the bike might abruptly start moving. Risk of falling!

Stop pedaling in time. Motor support is stopped as soon as the crank stops turning. Be aware of this especially before road crossings and curves.

If you have any problems with your drive (ie. because you did not stop pedaling in time) you may always stop the motor by using the rear wheel brake.

Gear shift (only SEVEN Montreal / SEVEN Kanda)

Your Coboc bike has a built-in SRAM GX 7-gear shift. The shift lever is positioned at the right lower side of the handlebar and is connected to the rear derailleur installed on the rear wheel.

Both shift levers (A) and (B) are activated by pulling the lever. They both come back into their starting positions after being pulled. Make sure to keep pedaling, while gear shifting in order to succesfully carry it out. Do not tread into the pedals backwards during a gear switch as this may cause damage to the gear shift.

Switching to a lower gear

In order to switch to a lower gear push lever (A) until it clicks. To switch several gears at a time keep pushing the lever until it clicks repeatedly. You can switch down a maximum of five gears at once.

Switching to a higher gear

In order to switch to a higher gear push lever (B) until it clicks. You can only switch one gear at a time here, so in order to switch between several gears you need to press the lever down several times.

For further insight on montage and function of SRAM derailleurs visit the manufacturers website or talk to your Coboc dealer.

Coboc is constantly dealing with the zeitgeist of real bike culture. This results in intelligent products that realize technical progress.

With our Coboc App, the range of functions for the Coboc rider can be further expanded.

You can download the Coboc App for free via the App Store or Google Play.

Since we are constantly improving and expanding the app, you can find the exact function and instructions on our website under:

https://www.coboc.biz/en/the-coboc-app/

Download on the App Store Available on Google Play

Unfortunately, we cannot guarantee that the app will work on every smartphone. Please note that continuing to use GPS in the background can drastically reduce battery life.

CAUTION: The mobile phone may be attached to the handlebars when being used as a navigation device. 'However, you must stop to (re-)enter your address (and of course to make a phone call).

Before using the Coboc App on public roads, be sure to check the current regulations in your country.

In general, the use of mobile phones on bicycles is prohibited.

Battery & charger

Your Coboc bike is equipped with a modern lithium-ion battery. This type of battery offers the best state-of-the-art energy density, which means maximum reach at minimum weight. Furthermore, lithium-ion batteries have no memory effect. This battery has a nominal voltage of 36 volts and a nominal capacity of 352Wh.

INFO: The battery on your Coboc bike is installed into the bikes frame. This way of installation allows for a very low vehicle weight while providing ideal protection against moisture. The battery remains in the frame even for charging. Only trained personnel is allowed to remove the battery.

WARNING: Do not remove the battery by yourself! Under no circumstances should the cover at the bottom of the down tube be opened. Only trained personnel should carry out maintenance or repairs on the installed drive system. Carrying out maintenance or repairs may result in danger to life due to live parts such as cables and contacts. Furthermore, the drive system is being protected against moisture by a special sealing technology, which is why warranty obligations become invalid if the down tube is being opened without the approval by Coboc.

Reach: Reach for your Coboc bike can vary widely depending on driving speed and surrounding terrain. At a fully charged battery and even terrain you can cover a distance of 80 km in “Bike on” mode.

On hot days (battery temperature of more than 60° C) the battery turns itself off for safety reasons. After that, it has to cool down before you are able to use it again. If your bike has not been turned on or charged for more than 30 days, it automatically sets itself into a deep sleep mode in order to save battery power. If in deep sleep mode, your Coboc bike can not be turned on. However, you can reactivate it first by plugging in the charger.

Battery level is displayed on the user interface. Up to five LEDs light up after turning on the Coboc bike. They are split up as follows:

5 LEDs	are lit up	in blue	battery level of	80 %	to	100 %
4 LEDs	are lit up	in blue	battery level of	60 %	to	80 %
3 LEDs	are lit up	in blue	battery level of	40 %	to	60 %
2 LEDs	are lit up	in blue	battery level of	20 %	to	40 %
1 LED	are lit up	in blue	battery level of	1 %	to	20 %

INFO: If more than one LED is flashing red this indicates an error within the drive system. See Chapter “Error codes” for more insight.

Charging the battery

The ideal outside temperature for battery charging is somewhere between 5°C and 35°C. At temperatures between 0°C and 40°C electronics disable charging, in order to protect the battery from getting damaged.

ATTENTION: Please refrain from using any charger other than the one included in your delivery from Coboc or chargers authorized by Coboc. Modern lithium-ion batteries require chargers that are perfectly matched, as everything else could lead to the battery catching fire or even exploding.

WARNING: Make sure to check the charger for any external damage (case, plug or cables). Under no circumstances should you use a damaged or faulty charger.
The charging socket is situated at the bottom side of the top tube. You can only insert the plug in one direction. Socket and plug are magnetic and stay attached if connected correctly.

Only charge the battery at dry and well ventilated places, as the charger should not be exposed to rain, water or moisture. Make sure that there are no flammable or hazardous substances in the room when charging your bike. Always keep your charger in a safe place, in order for it not to fall down or tip over.

Battery & charger

WARNING: You should only use your charger in indoor areas. Also, notice further hints directly on the charger and the provided user manual for the charger.

In order to charge your battery you need to plug the mains into a fitting outlet and connect the charger with your Coboc bike. Make sure that the mains and the needed voltage meet your countries standards. The provided charger is designed for a line voltage of 220V and 240V.

Charging begins as soon as the charger is connected and turns your Coboc bike off it was turned on beforehand. You can not turn your Coboc bike on while charging it.

LEDs are now lighting up one after the other in order to indicate the charging process. If your Coboc bike is fully charged it turns itself off automatically. As soon as that is the case the charger indicates that the bike is fully charged.

A complete charge from 1% to 100% takes two and a half hours with the standard Coboc 4A charger. However, the battery is already charged to 90% after two hours, which means that the charging time for the last 10% takes a bit longer (half an hour).

You can keep your Coboc bike connected to the charger even after charging is completed. The battery does not overcharge. However, we recommend you to unplug the charger from your Coboc bike and the mains out of safety reasons.

Make sure that your homeowner's and fire insurances cover lithium-ion battery charge and pedelecs in general. Also regularly check newspapers for any changes in the legal situation.

Storage

We recommend storing your Coboc bike at cool temperatures around 15° C. It should not be permanently stored at temperatures higher than 20° C. Lithium-ion batteries discharge themselves with time, which means they lose energy even if not in use.

WARNING: Complete discharge of the battery may lead to permanent damage, which is why at low battery level you should charge your bike as soon as possible (do not keep it fully discharged for longer than a week). If your bike is not being used for a long time, make sure to have it fully charged before that. You should check the charge level of your Coboc bike every two months and fully charge it at least after four months.

To avoid such discharge your Coboc bike goes into deep sleep mode after not being used for a long time. You can only get your bike out of deep sleep mode again by connecting your charger. Power button is inoperable in this mode.

WARNING: If the battery stays unused for a longer time it should not be connected to the charger during this time. The battery loses its capacity faster if the battery is constantly at 100%.
Note: Non-compliance of the mentioned charging information may lead to a damaged or unusable battery. Guarantee promise does not cover damage caused by neglect of the instructions.

Transport

Lithium-ion batteries with stored energy higher than 100Wh are subject to international legislation on dangerous goods. The battery installed in your Coboc bike has a stored energy of 352Wh and is therefore classified as a class 9 dangerous good. Therefore, transport by road, sea or air must be specifically authorized beforehand. It is mandatory to seek advice of an expert on dangerous goods.

As long as the battery is installed in your Coboc bike it is classified as a category UN3171 battery-powered vehicle. This category does not fall within the ambit of ADR (European agreement concerning the international carriage of dangerous goods by road) This makes transport by road within member states of the ADR unproblematic.

Please bear in mind, that many transport companies have certain guidelines for the transport of devices or vehicles equipped with lithium-ion batteries.

Battery & charger

Disposal

Do not dispose of your Coboc bike, battery or charger in the household waste.

INFO: Within the EU there is an obligation for the consumer to return no longer usable batteries and a redemption obligation for dealers, manufacturers and importers. In accordance with EC directive 2002/66/EC, faulty or used batteries have to be collected separately and disposed of in an environmentally-friendly manner.

Please take used batteries with you to a collection point for recycling, your Coboc dealer or directly to us. Removing the battery from your Coboc bike should only be done by trained personnel.

WARNING: Maintenance and repairs on the drive system may only be carried out by trained personnel. Under no circumstances should you open the cover at the bottom of the down tube. Carrying out maintenance or repairs may result in danger to life due to live parts such as cables and contacts opened. Furthermore, the drive system is being protected against moisture by a special sealing technology, which is why warranty obligations become invalid if the down tube is being opened without the approval by Coboc.

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Maintenance

WARNING: Turn off your Coboc bike ("Bike off", possibly turn off the lights, too). Always make sure, that your Coboc bike is turned off before performing any maintenance or repair work. The motor could start abruptly, if repairs are done on a turned on Coboc bike or contacts at the motor plug could be under power. Both could lead to serious injury.

Do not remove the bottom bracket! The bottom bracket on your Coboc bike is equipped with a sensor that is internally wired with the drive system. Improper disassembly can cause damage to cables or sensor.

Care instructions

Regularly clean your Coboc bike from dirt. Not only does it preserve good looks but also can it help keep functions alive. Never use hard water jets like high-pressure cleaners to clean your bike. Only wash it by hands and never put it upside down. Electronics and ball bearings are sealed tightly, which allows for regular operation even on rainy days. However, high-pressure cleaning might cause fluids or dirt to enter through the seals and could damage bearings or electronics.

Always keep your chain greased. This allows for a low-noise operation and minimizes wear. Make sure to use appropriate chain oil.

The aluminum frame on your ONE Soho was ground by hand. In order to prevent unsightly marks and bigger scratches, we delivered a grinding fleece as part of your accessory box. Simply use it to grind out the marks by applying some pressure while only grinding towards the given grain.

Inspection

Modern technology is very high in performance, but still needs a certain amount of care. Because of that, please make sure to maintain your bike on a regular basis. To guarantee a reliable functioning and in order to ensure your warranty claims make sure that:

Your Coboc dealer or service partner checks your bike at least once a year, if not more regularly.

The first inspection of your Coboc bike is of particular importance for an easy and reliable functioning. Cables and spokes may stretch, while screws may loosen themselves. Therefore, please make sure to have your bike checked by your Coboc dealer or service partner after the first month of operation or the first 100 driven kilometers.

The following table shows time spans that may serve as indications for cyclists that ride between 1500 and 2500 km a year. Riding on poor roads, in bad weather conditions or simply riding more than 2500 kilometers in a year, makes the service intervals shorten accordingly. If you do not have the technical know-how to maintain your bike, please make sure to have it checked by your Coboc dealer or service partner.

Recommended maintenance intervals

Component	Activity	before every ride	monthly	annually
Wheel	Check function	x		
	Check brake pads		x	
	Check disc brake / braking surface		x	
Shifter and brake cables	Visual check		x	
Tyres	Check air pressure	x		
	Check valve seat		x	
Chain	Check lubrication	x		
	Check tension		x	
	Check wear		x	
Gates Beltdrive	Visual inspection	x		
	Check tension		x	
	Check wear		x	
Hubs	Check bearing clearance			x
Pedals	Check bearing clearance		x	
Crankset	Check screw connection		x	
Wheels / Spokes	Check spoke tension		x	
	Check concentricity		x	
Handlebars / Stem	Check screw connections		x	
	Visual inspection			x
Headset	Check bearing clearance		x	
Screw connection Wheels	Check / Retighten	x		
Screws / Nuts	Check / Retighten		x	
Motor Cable	Visual inspection		x	

Maintenance

- Make sure that your brakes are working properly before every ride. Both brakes should work flawlessly and delay sufficiently. You should not be able to pull the brake levers all the way to the handlebar. Make sure to check the wear on your brake pads, flanks on your rim brakes/ discs on your disc brakes *(s. Adjusting the brakes)*.

- Make sure to check the condition of both housing and brake cables regularly at least once a month. Coatings should not be damaged and the housing should not show any defects. This means, that the plastic coating on the outer brake cable should not be damaged and that the inner metal coating should never be exposed. Make sure that no single wire within the brake cables shows signs of damage and that the inner cables run smoothly through the housing.

- Make sure to check pressure on both tires before every journey. Recommended tire pressure is dependent of the type of tire you are using and is usually indicated on the side of the tire. Make sure that the valve stem is looking straight out of the rim. It should be more or less aligned with the spokes. It could rip off, if not positioned correctly. Your Coboc bike is equipped with Schwalbe Kojak 35-622 (28 x 1.35, 700x35C) max. 6.5 bar / Continental Grand Prix Classic 25-622 (700x25C) max. 8,5 bar / Schwalbe ONE 25-622 (700/25C) max 9 bar / Schwalbe G-ONE Speed 50-584 (27.5 x 2.0, 650B) max 6 bar/ Schwalbe Durano 25-622 (700/25C) max. 9 bar. If you want to utilize other tires, please make sure that rims and tires are compatible and that the maximum permitted air pressure for rims and tires are not exceeded.

- Grease the chain with appropriate chain lube *(s. Lubrication)* and check the chain tension at least once a month *(s. Adjusting the chain tension)*. Check for wear with the help of a chain gauge or ask your Coboc dealer to judge the wear of your chain.

- Only ONE Brooklyn: Make sure to check tension on your Gates Carbon Drive™ belt at least once a month *(s. Adjusting the belt tension)*.

- Check for lateral bearing clearance on the wheel hubs roughly once a year. Please replace the wheel bearing if the rim is moving although the tire is screwed tightly to the frame. The same applies, if wheels are not running smoothly without brakes sliding. Please contact your Coboc dealer in this case.

- Check for bearing clearance on the pedals once a month by trying to move them across the pedal axles. You should replace the bearings, if you can move the pedals from side to side. Please contact your Coboc dealer in this case.

- Roughly once a month should the crank lever screwing on the spindle be checked. Use a torque wrench to screw the crank lever with the according Tightening torque *(s. Tightening torques)*.

- Check the spoke tension on your tires roughly once a month. To do this, simply press two adjacent spokes together with one hand. This helps you find out if one of your spokes is more loose than others. Should this be the case, make sure to visit your Coboc dealer in order to center the according wheel.

- Also make sure to check the concentricity on your wheels once a month. Make sure to have them centered by your Coboc dealer if they are not running smoothly anymore.

- Check the handlebar screwing on your stem once a month. Also, check the stem screwing on the steer tube. Use a torque wrench for this *(s. Tightening torques)*.

- Take time to inspect your handlebar for damage like dents, deformation, scratches or holes. In case of doubt or after three years we advise you to have your handlebar replaced by your Coboc dealer.

- Check the clearance on your headset once a month. *(s. Adjusting the headset)*.

- Check for proper screwing of your wheels regularly. Use a torque wrench to make sure the screws are still tight at least once a month *(s. Tightening torques)*.

- Check the motor cable for any exposed contacts or other damage. A damaged motor cable might lead to electric shocks and cause

serious injuries. In case of defect, please contact your Coboc dealer.

- Only replace the components on your Coboc bike with original parts or those that have been authorized by Coboc. All warranty claims shall lapse if not doing so.

WARNING: Your bike, just like all mechanical components, is exposed to high usage and wear. Different materials and components may react differently to wear and abrasion due to usage. Using a component longer than the intended period of use may lead to sudden failure and therefore injure the driver. Any kind of fissure, tear or color change on those high usage parts indicates that the period of use as expired. The according component should immediately be replaced.

Wear parts

Especially check on the following wear parts regularly:

- Tires and tubes
- Chain, sprocket and chain ring
- Belt and pulleys
- Brake pads
- Brake discs
- Rim / brake flank
- Ball bearings
- Saddle and grips

Inspect the tight fit of every screw and nut and, if necessary, tighten them again. Always bear in mind the correct Tightening torque *(s. Tightening torques)*.

Lubrication

To ensure efficient functioning and a long lifetime, certain parts require regular cleaning and lubrication. Oils, fats and other lubricants should be meticulously kept away from rims, brakes, brake pads and brake discs.

ATTENTION: Carbon components may under no circumstances be assembled with grease or other lubricants, as this could reduce friction between them and therefore lead to material damage due to higher tightening torque. Please only use special assembly paste when assembling carbon components. It increases the friction between the components and therefore prevents material damage.

What to lubricate	When to lubricate	What to use as lubricant
Chain	after cleaning, after rain rides, after about 300km.	Chain oil
Shift cables	with bad function or once a year.	Silicone-free fat
Aluminum seat post in aluminium frame	during assembly.	Mounting grease
Rear derailleur joints	with bad function or once a year.	Spray oil

Maintenance

Repairing punctures / Removing the rear wheel

Changing the tires after puncture does not differ much from tire changes for ordinary bikes. Only the rear tire needs special attention when assembling or removing it. This manual presupposes a certain skill set for repairs / tire changes. If this is not the case for you, please contact your local Coboc dealer.

WARNING: Turn your Coboc bike off ("Bike off", lights off)! Prior to any maintenance or repair work, make sure that your Coboc bike is turned off. The motor might start unexpectedly during the repair or motor plug contacts might be under power. This could cause serious injuries.

Removing the rear wheel

- Only SEVEN Montreal and SEVEN Kanda: Shift to the smallest sprocket the highest gear. Your rear derailleur has a locking system that facilitates the removal of your rear wheel. Simply push the lever forward and press the locking button (1). The lever should now lock in place and there should be no tension on the chain anymore.
- Only ONE Soho: Open the service lever (6) at the rim brake, so that the brake bodies can open to tire width.

- Disconnect the motor plug (2) and release the cable holder in direction of the motor (3).
- Remove the plastic caps (4) on the axle nuts.
- Loosen the axle nut with an open-end spanner (spanner gap of 18mm). Make sure, that the rear wheel does not fall out of place uncontrolled, as soon as you have loosened the screws.
- Only ONE Soho: Slightly unscrew the chain adjuster screw (5) and push the rear wheel forward, in order to take the chain off sprocket and chain ring.
- You can now completely remove the rear wheel.
- **Tire change can now be carried out just like with an ordinary bike.**

Installation of the rear wheel

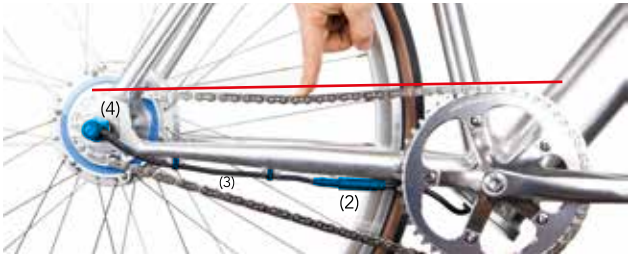


ABB. 2

Installing the rear wheel happens in the exact reverse order of removal. The following points have to be taken into consideration:

ATTENTION: Torque support (torque bracket washer) has to be reinstalled alongside the rear wheel. The torque support washer needs to be positioned towards the open end of the dropouts while lying inside of the dropout. Forgetting or simply not reinstalling the torque support might cause the motor to twist the rear axe which might result in serious damage or hard falls.

Tighten the wheel nuts properly at all times (s. Tightening torque). Loose wheels are a significant risk for safety and security.

Only SEVEN Montreal and SEVEN Kanda: Do not forget to unlock the locking system on your rear derailleur by slightly pushing the lever forward and then releasing it backwards again. Else there is not enough tension on the chain which might result in falls.

Only ONE Soho: Do not forget to close the service lever on your brakes again. Else the brakes will not function properly which might result in falls.

Adjusting chain tension (ONE Soho)

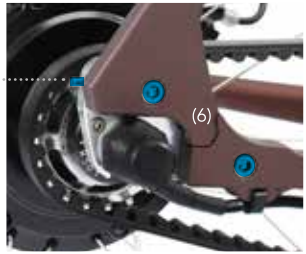
Adjust the chain tension by using the chain adjuster screws. Under no circumstances should the chain have too much tension. Too much tension on the chain might cause damage to motor and bottom bracket due to increased force on both. However, the chain should not be to lose either as it might fall off which might result in falls. A correct chain tension is assured, if the wheel nuts have about 1cm bearing play in vertical direction for every position of the crank handle (s. Fig. 2)

For your ONE Soho you have to loosen the axle bolts under the plastic caps (4) on your rear wheel first. You can increase the chain tension by further tightening the left and right chain adjuster screw (5) and therefore moving the rear wheel slightly backwards. Make sure that the rear wheel is oriented towards the front and that it is in alignment with the seat tube. The rear wheel is going to move further towards the left chain stay if you tighten the chain adjuster screw (5) on the left side, or loosen the one on the right side and vice versa.

As soon as the rear wheel is centered midway again you should tighten the axle bolts with the according torque (s. Tightening torque). Bear in mind, that the chain tension can further increase by doing so. Make sure to check the chain tension again after tightening and correct it if necessary. Afterwards loosen the chain adjuster screws for half a turn again.

Maintenance

Adjusting belt tension (ONE Brooklyn)



First, slightly loosen the four fixing screws (6) on your slider plates. Now you can increase the belt tension by tightening the belt tensioner screws and therefore moving the rear wheel backwards. Make sure that the rear wheel is oriented towards the front and that it is in alignment with the seat tube.

As soon as the rear wheel is centered midway again you should tighten the axle bolts with the according torque *(s. Tightening torque)*. Bear in mind, that the belt tension can further increase by doing so. Make sure to check the belt tension again after tightening and correct it if necessary. Afterwards loosen the chain adjuster screws for half a turn again. The wheel is going to move further towards the left chain stay if you tighten the belt tensioner screw (5) on the left side, or loosen the one on the right side and vice versa. As soon as the rear wheel is centered midway again you should tighten the axle bolts with the according torque *(s. Tightening torque)*. Bear in mind, that the belt tension can further increase by doing so. Make sure to check the belt tension again after tightening and correct it if necessary. Afterwards loosen the chain adjuster screws for half a turn again.

The correct belt tension is significant for an optimal operation of the Gates Carbon Drive™. A belt tension that is too low might cause skipping of belt teeth, which could have belt teeth slipping over the belt pulley. A belt tension that is too high can cause damage to the bearings in the rear hub, might lead to a rough running system and increase wear on the drive system.

We recommend using the Gates Corporation Carbon Drive™ App to acoustically measure the resonance frequency, if you do not have the Gates Carbon ECO Tension Tester at hand. You can download the app for Android or iOS via Google-Play / App-Store for free. We recommend a belt tension of 45 pounds for our bikes, which correlates with an acoustic frequency of about 60 Hz.

For an absolutely correct adjustment however, we recommend having it done by your local Coboc dealer.

For further information and questions regarding the installation please contact your local Coboc dealer or the manufacturer of the belt drive.

Adjusting the brakes

A significant prerequisite for a safe driving is a proper adjustment for the brakes. Never drive your Coboc bike, if a brake is not working or is not properly adjusted. If you are not equipped with the skills necessary to adjust your brakes yourself, please have them adjusted by your service partner or local Coboc dealer.

Testing the brakes

Push your Coboc bike forward while pulling the rear wheel brake firmly. The rear wheel should be blocked by the brake. Doing this with the front wheel brake should have your rear wheel lifting off the ground. Steering should not have any clearance or rattle while performing this test. Both brake levers should not be pulled through more than half way.

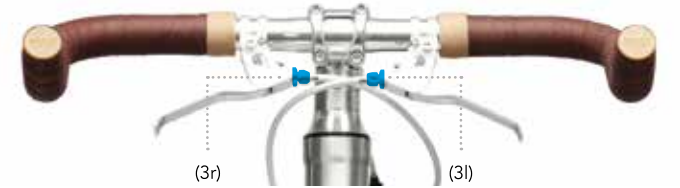
Fine adjustment for rim brakes

The pressure point for your brakes can be adjusted via the set screws (3r) or (3l) on the brake lever.

You can also use the set screw (2) positioned at the brake body. Brake levers should not be pulled through more than half-way.

Rough adjustment for rim brakes

Should the brake not be furthermore adjustable via set screws (3l) and (3r) positioned between brake and brake cable, please contact your local Coboc dealer.



Checking the brake pads

Brake pads are wear parts on your Coboc bike due to the frequency in usage. This is why, you need to regularly check them for wear. Please refrain from using anything but the original parts when exchanging the friction components. Otherwise, braking function might be affected or damage could occur. Only use fitting brake pads for your rim / disc brake system, in order to guarantee the desired braking effect.

WARNING: Never get oil or grease on the brake pads, brake discs, or brake flanks, as this leads to a decrease of the braking effect. Please make sure to change the friction components, if this is the case.

Disc Brakes: Wear on disc brakes is usually only apparent when dismantling the brake caliper. This way you can judge how much of the brake pad is left on the support plate. The brake pads need to be exchanged if they are less than 0,5 mm thick. As this is a safety-relevant component the exchange should take place in a specialist workshop.

WARNING: Never touch a spinning brake disc, as you can clamp your fingers or otherwise hurt yourself. Due to high frequency in usage both brake disc and caliper can get very hot. Only touch either if they have cooled down. For further information please contact your local Coboc dealer or gather information on the brake manufacturers website.

Derailleur System

WARNING: Using wrongly adjusted or strongly used derailleur components might result in hard falls and serious injury.

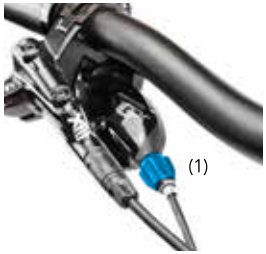
Please make sure to have your derailleur system checked in a specialist workshop for possible adjustment or exchange. Please contact your local Coboc dealer, if any of the following problems occur:

- The chain skips single sprockets or falls of the chain ring
- Single chain links, chain rings or sprockets are heavily used or defect
- Switching gears does not work properly
- The rear derailleur or other derailleur components are obviously broken or loose
- Unusual noise appears while riding or shifting gears

Change in the settings for tension or the limit screws for your derailleur system should only take place in very small steps and with high caution. Wrong adjustment might lead to the chain falling of the sprocket and therefore cause falls and injury. In case of doubt please contact your local Coboc dealer and have him adjust it for you.

Maintenance

Adjusting the derailleur systemically



The correct tension for shift cables: Shift to the highest gear, the lowest sprocket. Now push the larger shift lever through to the first detent, while moving the crank in order for the chain to jump from lowest to second lowest sprocket. If the chain does not move at all, or does not jump up all the way, you need to increase tension for the shift cable.

To do so, slightly loosen the adjusting screw (1) counter clockwise. Make sure that the adjusting screw never fully exits the shift lever.

Should the chain jump to the third lowest sprocket right away, tension for the shift cable has to be reduced. In order to do so, slightly tighten the adjusting screw (1) clockwise.

For a clean and quiet chain run, the upper sprocket should run smoothly through the chain ring in an imaginary vertical line along the front derailleur with any gears (s. red line in left Fig.), as the chain might switch to another gear unwillingly during your ride.

For a smooth gear function, make sure that every component that transfers power is greased properly. If chain run produces noise in any of the gears, defect might be the reason. Please contact your local Coboc dealer in any case of doubt.

Paint Protection Film

The seat stay and luggage carrier on your SEVEN Montreal/Kanda is equipped with a transparent paint protection film, in order to protect your paint from scratches when carrying luggage. However, the wear of these parts is hard to avoid, if permanently using your carriers. Wear and tear of paint for these or other reasons like missing, damaged or incorrectly attached films will not arise any claims towards Coboc.

Your accessory box has further protection film that you can attach to your frame, in order to protect it from abrasive brake lines or to protect the inner side of your seat stay if using luggage carriers.

It is important to bear in mind, that the film has to be renewed as soon as it shows any kind of wear or tear. Should this be the case, please contact your local Coboc dealer and ask him to renew them for you.

Adjusting the headset

Check the headset for any clearance. To do so, pull the front wheel brake and push your bike over your handlebar back and forth. Steering should not have any clearance and nevertheless be able to turn slightly. Should the steering have bearing clearance, loosen both screws (2). Tighten screw (3) carefully until there is no clearance left in the steering. Now tighten both screws (2) again.

ATTENTION: Do not tighten screw (3) too much, as this might cause damage to the headset. Should the handlebar only be turned hardly, the screw (3) might be pulled too tightly. Loosen both screws (2) loosen screw (3) a little and then tighten both screws (2) firmly again.

Safety instructions on composite material components

ATTENTION: Components made out of composite material might be damaged at places not visible at first sight. Damaged parts may lead to immediate failure and cause falls. Therefore, having the according parts checked for functionality or non-apparent damage by the manufacturer is mandatory after crashes or hard falls. Replacing and destroying the damaged parts is also an option.

Furthermore, carbon parts need regular visual inspections. Check if single layers like paint, finish or fiber are detaching. Look for changes on the surface of the according parts, like chipping, holes or deep scratches. Make sure to check if the components are getting softer or less stiff and solid. If this is the case with one or more components, they should be replaced immediately.

The software of your Coboc bike contains an internal error detection. If there are any errors in the electronics, the drive switches off automatically and the error is indicated by flashing LEDs on the top tube. In total there are four error codes with the following meaning:

1 LED flashes blue	Battery level low. Charge the battery.
2 LEDs flash red	Other error. Turn your Coboc Bike off and on again. If the error occurs repeatedly, contact your Coboc dealer.
3 LEDs flash red	Error in the bottom bracket sensor. Contact your Coboc dealer.
4 LEDs flash red	Error in the connection cable to the motor. Check the plug connection to the motor. First switch off your Coboc bike so that the motor cable is no longer live. Now disconnect the plug connection and check it for defects or moisture. A defective connector must be repaired by your Coboc dealer or by Coboc. If moisture has penetrated the plug connection, dry both parts of the connection and put them together again. Switch your Coboc bike back on. If the error occurs repeatedly, contact your Coboc dealer. Check the motor cable for damage. If the motor cable is damaged, do not switch your Coboc bike back on again. Open contacts may cause electric shock. Contact your Coboc dealer immediately.

Tightening torques

Kategory	Screwing	Tool	Torque	Model
Front Wheel	Axle Bolts VR	Inbus 5mm	11 Nm	**SEVEN:** VESTERBRO/ MONTREAL / KANDA **ONE:** BROOKLYN / SOHO
Rear Wheel	Axle Bolts HR	Open-End Wrench (18mm)	29 Nm	**SEVEN:** VESTERBRO/ MONTREAL / KANDA **ONE:** BROOKLYN / SOHO
Handlebar and Stem	Stem (Steerer Clamp)	Inbus 4 mm	5 Nm	**SEVEN:** VESTERBRO/ MONTREAL / KANDA **ONE:** BROOKLYN
Handlebar and Stem	Stem (Steerer Clamp)	Inbus 5 mm	9 Nm	**ONE:** SOHO
Handlebar and Stem	Stem (Handlebar Clamp)	Inbus 4mm	5Nm	**SEVEN:** VESTERBRO/ MONTREAL / KANDA **ONE:** BROOKLYN / SOHO
Handlebar and Stem	Fork Steerer Cover	Inbus 5mm	depending	**SEVEN:** VESTERBRO/ MONTREAL / KANDA **ONE:** BROOKLYN / SOHO
Handlebar and Stem	Gear Lever	Inbus 4mm	6 Nm	**SEVEN:** MONTREAL / KANDA
Handlebar and Stem	Handlebar Grips	Inbus 2,5mm/3mm	2 Nm	**SEVEN:** VESTERBRO/ MONTREAL / KANDA **ONE:** BROOKLYN / SOHO
Handlebar and Stem	Brake Lever (Handlebars)	Inbus 5mm	5 Nm	**SEVEN:** VESTERBRO
Handlebar and Stem	Brake Lever (Handlebars)	Inbus 3 mm	3 Nm	**ONE:** SOHO
Handlebar and Stem	Brake Lever (Handlebars)	Inbus 4mm	5 Nm	**SEVEN:** MONTREAL / KANDA **ONE:** BROOKLYN
Braking System	Brake Saddle	Inbus 5mm	7 Nm	**SEVEN:** VESTERBRO / MONTREAL / KANDA **ONE:** BROOKLYN
Braking System	Brake Element	Inbus 5mm	10 Nm	**ONE:** SOHO
Braking System	Brake Disk VR	Torx 25	6Nm	**SEVEN:** VESTERBRO / MONTREAL / KANDA **ONE:** BROOKLYN

Tightening torques

Kategory	Screwing	Tool	Torque	Model
Braking System	Brake Disk HR	Torx 25/Inbus 4mm	6 Nm	**SEVEN:** VESTERBRO / MONTREAL / KANDA **ONE:** BROOKLYN
Braking System	Brake Line Clamping (Brake Element)	Open-End Wrench 8mm	7 Nm	**SEVEN:** VESTERBRO / MONTREAL / KANDA **ONE:** BROOKLYN
Saddle	Saddle Clamp	Inbus 5mm	9 Nm	**SEVEN:** VESTERBRO / MONTREAL / KANDA **ONE:** BROOKLYN / SOHO
Saddle	Saddle Post Clamp	Inbus 4mm	7 Nm	**SEVEN:** VESTERBRO / MONTREAL / KANDA **ONE:** BROOKLYN / SOHO
Mechanical Drive	Belt Pulley Crank	Inbus 5mm	14 Nm	**ONE:** BROOKLYN
Mechanical Drive	Chainring Crank	Inbus 5mm	14 Nm	**SEVEN:** VESTERBRO / MONTREAL / KANDA **ONE:** SOHO
Attachment parts	Crank	Inbus 8mm	42 Nm	**SEVEN:** VESTERBRO / MONTREAL / KANDA **ONE:** BROOKLYN / SOHO
Attachment parts	Pedal	Inbus 6mm / Open-End Wrench (15mm)	35 Nm	**SEVEN:** VESTERBRO / MONTREAL / KANDA **ONE:** BROOKLYN / SOHO
Mechanical Drive	Slider Plates	Inbus 5mm	22 Nm	**SEVEN:** VESTERBRO **ONE:** BROOKLYN

Technical specifications

Coboc **ONE Soho** - general data

FRAME	Aluminium
COLOUR	Brushed Raw
FORK	Aluminium, straight Design
SIZES	L-61 cm, M-58 cm, S-54 cm
BATTERY	Li-Ion, 36V, 352 Wh
CHARGING TIME	2 Hours
RANGE	80 km
ELECTRICAL DRIVE	250 W / 500 W peak
MECHANICAL DRIVE	Singelspeed-Chain
BRAKES	Rim Brake
BRAKE LEVER	Aluminium CNC, silver
SADDLE	Brooks Cambium C15, rust
HANDLEBAR	Bullhorn, Brooks Cambium Handlebar Tape
TYRES	Continental Grand Prix Classic 622-25
PEDAL	Aluminium CNC, silver polished
WEIGHT	13,7 kg

Coboc **ONE Brooklyn** - general data

FRAME	Aluminium
COLOUR	Jugla-brown, mat-metallic
FORK	Carbon, straight Design
SIZES	L-62 cm, M-58 cm, S-54 cm
BATTERY	Li-Ion, 36V, 352 Wh
CHARGING TIME	2 Hours
RANGE	80 km
ELECTRICAL DRIVE	250 W / 500 W peak
MECHANICAL DRIVE	Gates Carbon Drive, CDX 55-20T
BRAKES	TRP Slate X2, 160mm
TYRES	Schwalbe Kojak 622-35
PEDAL	Aluminium CNC, black
WEIGHT	14,1 kg

Coboc **ONE Soho** - Geometry

SIZE	ST	S	TT	TT$_{EFF}$	HT	h°	s°	FR	C	WB	BB	F	R
S	540	500	540	540	135	74.5	76.5	45	397	991	54	379	423
M	580	540	561	561	141	75	76	45	397	996	54	379	430
L	610	570	580	579	161	75	75.5	45	397	1005	54	379	437

Coboc **ONE Brooklyn** - Geometry

SIZE	ST	S	TT	TT$_{EFF}$	HT	h°	s°	FR	C	WB	BB	F	R
S	540	500	519	516	144	74	76	45	399	980	54	408	396
M	580	540	559	558	144	74	75	45	399	1002	54	408	419
L	620	580	599	599	163	75	74	45	399	1016	54	408	439

Technical specifications

Coboc **SEVEN Vesterbro** - general data

FRAME	Aluminium
COLOUR	black high gloss
FORK	Monocoque Carbon, straight Design
SIZES	L-64,5cm, M-60cm, S-55,5cm
BATTERY	Li-Ion, 36V, 352Wh
CHARGING TIME	2Hours
RANGE	80km
ELECTRICAL DRIVE	250W / 500W peak
MECHANICAL DRIVE	Singelspeed-Chain 48-17T
BRAKES	Shimano Rim Brake, 160mm
FRONT LIGHT	Supernova E3 E-Bike Mini
REAR LIGHT	Coboc Integrated Rear LED Light
RACK	integrated
FENDERS	Curana C-Lite, 40mm
TYRES	Schwalbe Kojak 622-35
PEDAL	Aluminium CNC, black
WEIGHT	15,6kg

Coboc **SEVEN Kanda** - general data

FRAME	Aluminium
COLOUR	Tagua-white, metallic high gloss
FORK	Carbon, straight Design
SIZES	one size - 55cm
BATTERY	Li-Ion, 36V, 352Wh
CHARGING TIME	2Hours
RANGE	80km
ELECTRICAL DRIVE	250W / 500W peak
MECHANICAL DRIVE	SRAM GX DH, 40T, 11-25T 7-fach
BRAKES	TRP Slate X2, 160mm
FRONT LIGHT	Supernova E-Bike Mini 2
REAR LIGHT	Coboc Integrated Rear LED Light
RACK	integrated
FENDERS	Curana C-Lite, 40mm
TYRES	Schwalbe Kojak 622-35
PEDAL	Aluminium CNC, black
WEIGHT	15,7kg

Coboc **SEVEN Vesterbro** - Geometry

SIZE	ST	S	TT	TT_{EFF}	HT	h°	s°	FR	C	WB	BB	F	R
S	555	485	516	510	144	70	74.5	45	448	1048	73	408	382
M	600	530	555	553	163	70.5	73	45	448	1064	73	408	400
L	645	575	601	601	182	73	72.5	45	448	1076	68	408	428

Coboc **SEVEN Kanda** - Geometry

SIZE	ST	S	TT	TT_{EFF}	HT	h°	s°	FR	C	WB	BB	F	R
S	550	485	515	510	144	70	74.5	45	455	1055	73.5	408	376

Technical specifications

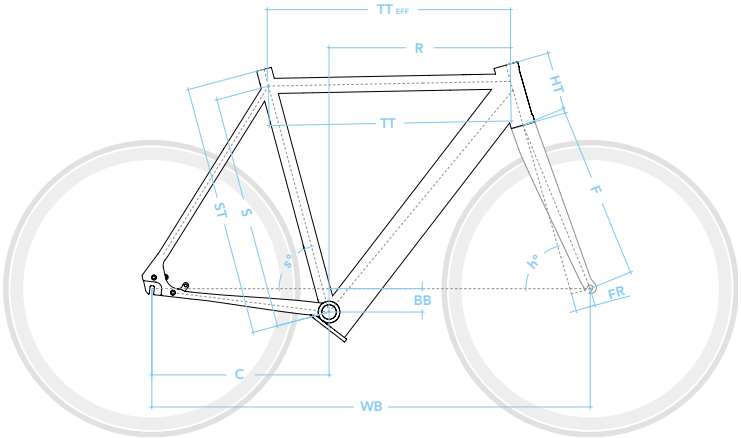
Coboc **SEVEN Montreal** - general data

FRAME	Aluminium
COLOUR	Diorit-grey, metallic high gloss
FORK	Carbon, straight Design
SIZES	L-64 cm, M-59.5 cm, S-55 cm
BATTERY	Li-Ion, 36 V, 352 Wh
CHARGING TIME	2 Hours
RANGE	80 km
ELECTRICAL DRIVE	250 W / 500 W peak
MECHANICAL DRIVE	SRAM GX DH, 40T, 11-25T 7-fach
BRAKES	TRP Slate X2, 160mm
FRONT LIGHT	Supernova E-Bike Mini 2
REAR LIGHT	Coboc Integrated Rear LED Light
RACK	integrated
FENDERS	Curana C-Lite, 40 mm
TYRES	Schwalbe Kojak 622-35
PEDAL	Aluminium CNC, black
WEIGHT	15,9 kg

Coboc **SEVEN Montreal** - Geometry

SIZE	ST	S	TT	TT_{EFF}	HT	h°	s°	FR	C	WB	BB	F	R
S	550	485	516	510	144	70	74.5	45	455	1055	73	408	382
M	595	530	555	553	163	70.5	73	45	455	1071	73	408	399
L	640	575	601	600	182	73	72.5	45	456	1083	69	408	428

Frame geometry



ST	Saddle Tube
S	Seat Tube
TT	Top Tube
TTEFF	Top Tube horinzontal
HT	Head Tube

C	Chain Stay
FR	Fork Feed
WB	Radstand
h°	Head Tube Angle
s°	Seat Tube Angle

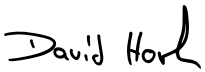
BB	Bottom Bracket Drop
F	Fork length
R	Reach

Lenght in mm

Angle in degree

Recommended Frame Sizes S (< 173 cm) M (173 - 186 cm) L (> 186 cm)

Eg declaration of conformity

The manufacturer	Coboc GmbH & Co. KG Kurfürstenanlage 58 69115 Heidelberg Germany Tel: +49 (0) 6221 435 28 10
Confirmed hereby for the product:	ONE Soho, ONE Brooklyn, SEVEN Vesterbro, SEVEN Montreal, SEVEN Kanda
Year of Manufacture:	2019
Conformity with all relevant provisions of the Directives:	- (2006/42/EG) Machines - (2004/108/EG) Electromagnetic Compatibility
Technical Documentation:	Coboc GmbH & Co. KG Kurfürstenanlage 58 69115 Heidelberg Germany Tel: +49 (0) 6221 435 28 10
David Horsch (Managing Director)	Signature: 

Imprint

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