



Zusatz-Bedienungsanleitung Supplementary Instructions

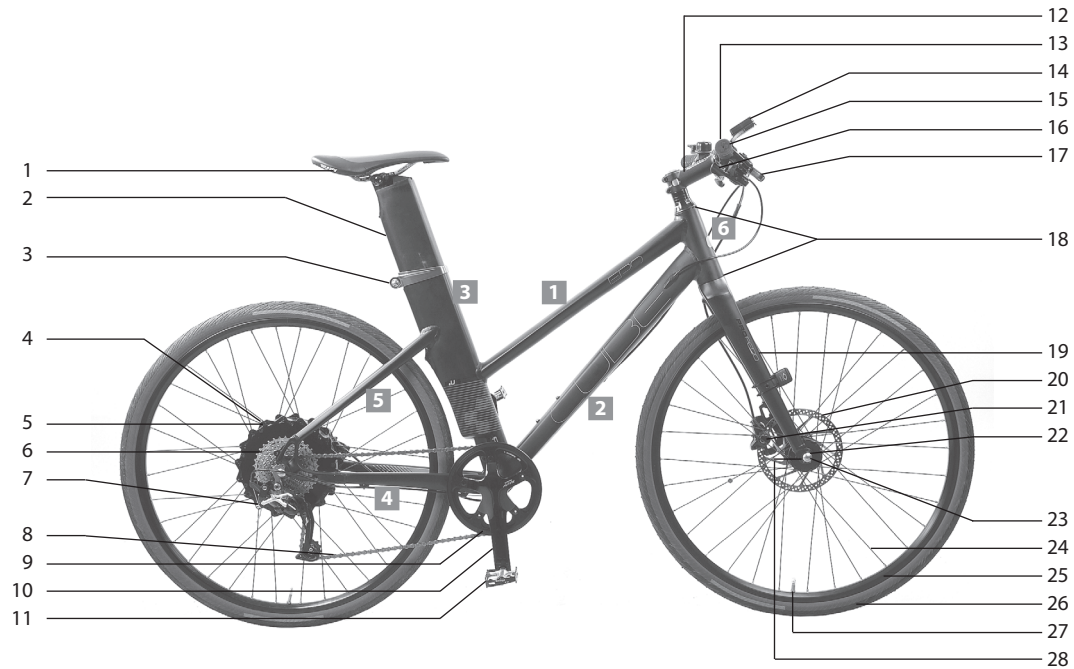
CUBE EPO Pedelec

Bitte lesen Sie vor der ersten Fahrt die Seiten 7 bis 9!
Führen Sie vor jeder Fahrt die Funktionsprüfung auf Seite 10 bis 12 durch!
Lesen Sie unbedingt auch Ihre allgemeine CUBE-Bedienungsanleitung!

Please read page 7 to 9 before your first ride!
Please perform the functional check on pages 10 to 12 before every ride!
Also observe your general CUBE handbook!



CUBE EPO Pedelec



Display / Bedienelement Display / Control Element

Display:

Pulsanzeige / Heartrate indicator

Geschwindigkeitsanzeige

Speedometer

Ladezustandsanzeige

State of charge display

Anzeige aktuelle Daten

Indicator current data

Anzeige Unterstützungsstufen

Indicator assistance levels



Bedienelement: Control element:

O-Taste / O-button

M-Taste / M-button

U-Taste / U-button

Notizen



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These supplementary instructions comply with the requirements of the European standard EN 15194 for bicycles – electrically power assisted cycles (EPAC). These operating instructions are not intended to help you assemble a CUBE EPO pedelec from individual components, to repair it or to make a partly assembled bicycle ready-for-use! Technical details in the text and illustrations of these supplementary instructions are subject to change.

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Dear Customer,

In purchasing this CUBE EPO pedelec you have chosen a product of high quality and technology. Each component of your new CUBE EPO pedelec has been designed, manufactured and assembled with great care and expertise. Your CUBE dealer gave the CUBE EPO pedelec its final assembly and adjustment to guarantee proper operation and many enjoyable riding experiences with complete peace of mind from the very first metres.

This manual contains a wealth of information on the proper use of your CUBE EPO pedelec, its maintenance and operation as well as interesting information on its design and engineering. Please read these instructions thoroughly. We are sure that even if you have been cycling all your life you will find useful and detailed information. A CUBE EPO pedelec differs markedly from usual bicycles. Therefore, before setting off on your new CUBE EPO pedelec, be sure to read at least chapters **“Before Your FIRST Ride”**, **“Riding a CUBE EPO Pedelec – Special Features”** and **“Display Operation and Control”**.

To have as much fun as possible during cycling, be sure to carry out the functional check described in chapter **“Before EVERY Ride”** before setting off on the CUBE EPO pedelec.

Even a manual as big as an encyclopaedia could not describe any possible combination of bicycle models and components or parts on the market. It therefore focuses on your newly purchased CUBE EPO pedelec and standard components and provides useful information and warnings.

When doing any adjusting and servicing, be aware that the detailed instructions provided in your manual only refer to this CUBE EPO pedelec.

The information included here is not applicable to any other bicycle or pedelec type. As bicycles come in a wide variety of designs with frequent model changes, the routines described may require complementary information. Be sure to also observe your general CUBE handbook as well as the instructions of the component suppliers that you have received from your CUBE dealer.

Be aware that these instructions may require further explanation, depending on the experience and/or skills of the person doing the work. For some jobs you may require additional (special) tools or supplementary instructions. This manual cannot teach you the skills of a bicycle mechanic.



Before you set off, let us point out a few things that are very important to every cyclist: Never ride without a properly adjusted helmet and without glasses and take care to always wear suitable clothing. As a minimum you should wear straight cut trousers and shoes fitting the pedal system. Always ride carefully on public roads and observe the traffic rules so as not to endanger yourself or others.

This manual cannot teach you how to ride. Please be aware that cycling is a hazardous activity that requires the rider to stay in control of his or her CUBE EPO pedelec at all times.

Like any sport, cycling involves the risk of injury and damage. Keep this in mind. When you decide to ride a CUBE EPO pedelec you need to accept the risk inherent to cycling. Please note that on a CUBE EPO pedelec you have no protection technique around you (e.g. ABS, bodywork or airbag) like you have in a car. Therefore, always ride carefully and do respect the other traffic participants. Never ride under the influence of prescription drugs, drugs, medication, alcohol or when you are tired. Do not ride with a second person on your CUBE EPO pedelec and never ride without having both hands on the handlebars.

Observe the legal regulations concerning off-road cycling. These regulations may differ in each country. Please respect nature when riding off-road. Only use your bicycle on signposted, well maintained trails and hard-surface roads.

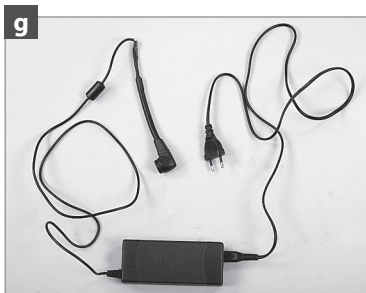
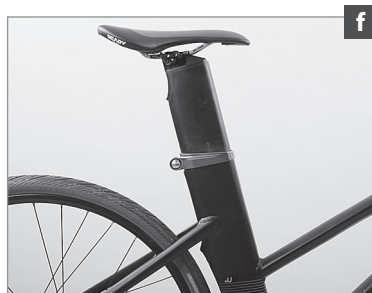
First we would like to familiarise you with the various components used on your CUBE EPO pedelec. Please unfold the cover of these supplementary instructions. Here you will find the diagram of a CUBE EPO pedelec including rechargeable battery, display and charger as well as all the essential components. Leave the page unfolded as you read so that you can easily locate the components as they are referred to in the text.



For your own safety, never do work on your bicycle unless you feel absolutely sure about it. If you are in doubt or if you have any questions, contact your CUBE bicycle dealer.



Read in any case the detailed general CUBE handbook that you have received from your CUBE dealer.



COMPONENTS

Frame

- 1 Top tube
- 2 Down tube
- 3 Seat tube
- 4 Chainstay
- 5 Rear stay
- 6 Head tube

- 1 Saddle
- 2 Seat post with integrated battery
- 3 Seat post clamp
- 4 Rotor rear

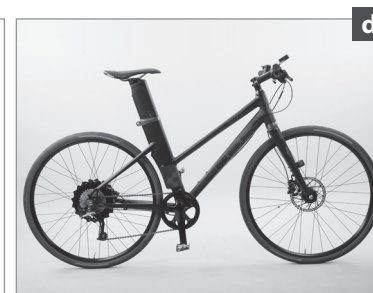
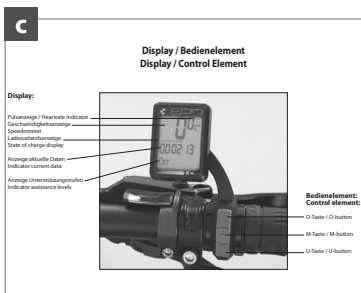
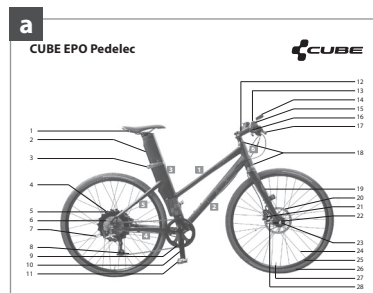
Drive

- 5 Motor
- 6 Cassette sprockets
- 7 Rear derailleur
- 8 Chain
- 9 Chainring
- 10 Crank
- 11 Pedal

- 12 Stem
- 13 Handlebars
- 14 Display
- 15 Control element
- 16 Shift lever
- 17 Brake lever
- 18 Headset
- 19 Fork
- 20 Rotor
- 21 Brake front
- 22 Drop-out

Wheel

- 23 Quick-release
- 24 Spoke
- 25 Rim
- 26 Tyre
- 27 Valve
- 28 Hub



SOME NOTES ON THESE SUPPLEMENTARY INSTRUCTIONS

The diagram shows a CUBE EPO pedelec.

Pay particular attention to the following symbols:



This symbol indicates an imminent risk to your life or health unless you comply with the instructions given or take preventive measures.



This symbol warns you of wrongdoings which may result in damage to property and environment.



This symbol provides you with information about how to handle the product or refers to a passage in the supplementary instructions that deserves your special attention.

The described possible consequences will not be repeated in the supplementary instructions every time one of the symbols appears.

These operating instructions are not intended to help you assemble a CUBE EPO pedelec from individual components, to repair it or to make partly assembled CUBE EPO pedelecs ready-for-use!

These supplementary instructions are not applicable to any other than the displayed bicycle type.

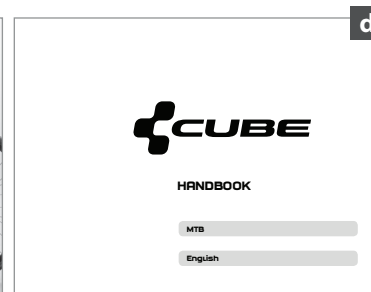
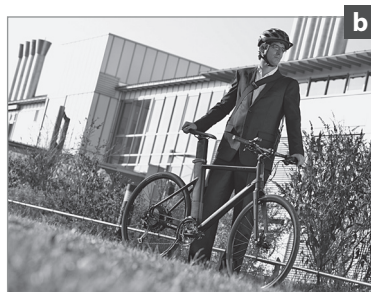


Read in any case the detailed general CUBE handbook that you have received from your CUBE dealer.

Technical details in the text and illustrations of these supplementary instructions are subject to change.

These supplementary instructions comply with the requirements of the European standard EN 15194 for bicycles – electrically power assisted cycles (EPAC).

Also observe the enclosed operating instructions of the component manufacturers. The present supplementary instructions are subject to European law. If delivered to countries outside Europe, supplementary information has to be provided by the bicycle manufacturer.



INTENDED USE

Keep in mind that every bicycle type is built for a specific intended use. Be sure to use your CUBE EPO pedelec only according to its intended use, as it may otherwise not withstand the stress, fail and cause an accident with unforeseeable consequences! Using it for anything other than the intended use will also void the warranty.

1. **Pedelecs** (pedal electric cycles) are bicycles with auxiliary motor that only switches on when the pedals are moved by the rider. You do not need a driver's licence for riding a CUBE EPO pedelec, if the motor assistance switches off automatically at a speed of 25 kph/15 mph.

Unlimited use of cycle lanes is permitted with pedelecs. Wearing a helmet is recommended, but not compulsory.

CUBE EPO pedelecs are designed for cycling exclusively on lanes and roads with a smooth surface. Only use trails that are allowed for bicycles. Pedelecs are not suitable for off-road use. Using pedelecs off-road can result in crashes with unforeseeable consequences.

2. **Speed pedelecs or S-pedelecs** are bicycles with auxiliary motor that provides assistance to the rider even beyond speeds of 25 kph/15 mph.

For riding these speed pedelecs you need an insurance as well as a driving licence. Inform yourself about the regulations for riding a speed pedelec in your country.

Do not use speed pedelecs on cycle lanes. Wearing a helmet is recommended, but not compulsory.



For more information about the intended use of your CUBE EPO pedelec as well as the permitted overall weight (rider, CUBE EPO pedelec and baggage) see the bicycle card.



CUBE EPO pedelecs are not approved for towing trailers!



BEFORE YOUR FIRST RIDE

1. The CUBE EPO pedelec is designed for a maximum overall weight of 140 kg, including rider, baggage and CUBE EPO pedelec. Any additional load depends on the pannier rack the pedelec is equipped with. The maximum overall weight is specified in the bicycle card enclosed with these supplementary instructions; if it is not, contact your CUBE dealer.



The weight distribution on CUBE EPO pedelecs differs markedly from the weight distribution on bicycles without drive assistance. Due to the rear wheel drive the CUBE EPO pedelec is much heavier in the rear than in the front. For this reason pushing, lifting and carrying the CUBE EPO pedelec is more difficult. Bear this in mind when loading your pedelec into a car and unloading it or when mounting it on a bicycle carrier system.

2. If you want to use your bicycle on public roads, it has to comply with the respective legal requirements. These requirements may vary in each country. The fittings of your CUBE EPO pedelec are, therefore, not necessarily complete. Ask your CUBE dealer for the laws and regulations applicable in your country or in the country you intend to use the CUBE EPO pedelec. Have your CUBE EPO pedelec equipped accordingly, before using it on public roads.

3. The rechargeable battery of your CUBE EPO pedelec (e) must be charged before you set off for the first time. Are you familiar with the handling and mounting of the rechargeable battery (f)? Before you set off for the first time, check whether the battery is properly mounted, that it has engaged audibly and that it is locked (g). For more information see chapter **“Rechargeable Battery”**.



Please note that the rechargeable battery switches into the sleep mode after eight days of non-use. The rechargeable battery is restarted by pressing the ON-button on the battery housing once.

4. The functions of your CUBE EPO pedelec are operated with the buttons next to the control elements (h). Are you familiar with all functions and displays? Check whether you know the functions of all buttons on the display. For more information see chapter **“Display Operation and Control”**.
5. Are you familiar with the brake system? Have a look at the bicycle card and check whether the brake lever of the front brake is on the side you are used to (right or left). If it is not, have it modified by your CUBE dealer before you set off for the first time!



Your new CUBE EPO pedelec is equipped with modern brakes (a+b) which may be far more powerful than those you were used to so far. Be sure to first practise using the brakes on a level, non-slip surface off public roads. Slowly approach higher brake performances and speeds. For more information see chapters **“Check the brakes”** and **“Using the brakes”** of your general CUBE handbook as well as the enclosed operating instructions.



Be aware that the brakes of your CUBE EPO pedelec are always more effective than the drive. In case you have problems with your drive (e.g. because it pushes you forward in front of a bend), slow down your CUBE EPO pedelec carefully, if possible, by actuating the rear brake.

6. Are you familiar with the type and functioning of the gears (c)? Ask your CUBE dealer to explain you the gear system and make yourself familiar with your new gears in an area free of traffic, if necessary. For more information see chapter **“Using the gears”** of your general CUBE handbook and the enclosed operating instructions.

7. Are both saddle and handlebars properly adjusted? The saddle should be set to a height from which you can just reach the pedal in its lowest position with your heel. Check whether your toes reach to the floor when you are sitting on the saddle (d). Your CUBE dealer will be pleased to help you, if you are not happy with your seating position. For more information see chapter **“Adjusting and using your bike”** of your general CUBE handbook.
8. If your CUBE EPO pedelec is equipped with clipless or step-in pedals (e): Have you ever tried the shoes they go with? Do not set off until you have practised engaging and disengaging the shoes from the pedals in stationary. Ask your CUBE dealer to explain you the pedals. For more information see chapter **“Using click-in pedals (optional)”** of your general CUBE handbook and the enclosed operating instructions.
9. If you have bought a CUBE EPO pedelec with suspension fork, you should ask your CUBE dealer to have it properly adjusted before delivery. Improperly adjusted suspension forks are liable to malfunction or damage to the suspension components. In any case they will impair the performance of your bicycle as well as your safety and joy whilst cycling.



For more information see chapters **“Check suspension fork”** and **“Adjusting and using your bike”** of your general CUBE handbook. Further instructions regarding suspension forks are possibly enclosed with these supplementary instructions.



Be aware that the distance you need to stop your bicycle may increase, when you are riding with your hands on bar ends (f). The brake levers are not always within easy reach.



Make particularly sure there is enough space between your crotch (g) and the top tube so that you do not hurt yourself, if you have to get off your bicycle quickly.



A lack of practice when using clipless pedals or too much spring tension in the mechanism can lead to a very firm connection, from which you cannot quickly step out. Risk of accident!



When mounting your CUBE EPO pedelec, make sure not to step in the pedals until you sit in the saddle and gripping the handlebars tight. The motor assistance might switch on suddenly and result in an uncontrolled start of your CUBE EPO pedelec. Risk of accident!



Please note that in wet conditions the brake performance is less effective and the tyre grip reduced. Keep this fact in mind in particular when riding on a wet road and do not ride as fast as you would in dry conditions.



The weight distribution on CUBE EPO pedelecs differs markedly from the weight distribution on bicycles without drive assistance. Due to the rear wheel drive the CUBE EPO pedelec is much heavier in the rear than in the front. For this reason lifting and carrying the CUBE EPO pedelec is more difficult. Bear this in mind when loading your pedelec into a car and unloading it or when mounting it on a bicycle carrier system.



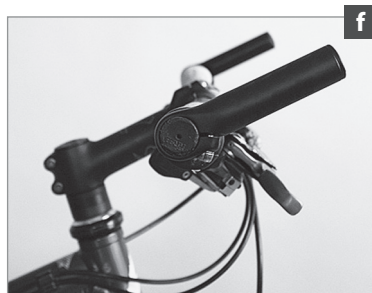
CUBE EPO pedelecs are not approved for towing trailers!



Your CUBE EPO pedelec is not approved for mounting a child carrier (h)!



Please note that not all CUBE EPO pedelecs are fitted with kickstands. Therefore, when parking your CUBE EPO pedelec, make sure it stands safe and secure and is not at risk of toppling over or being knocked over. If your CUBE EPO pedelec topples over, it can suffer from damage.



BEFORE EVERY RIDE

Your CUBE EPO pedepec has undergone numerous tests during production and a final check has been carried out by your CUBE dealer. Nevertheless, be sure to check the following points before every ride to exclude any malfunctioning that may be due to the transport of your CUBE EPO pedepec or to the work a third person may have performed on your CUBE EPO pedepec before delivery:

1. Are the quick-release levers (a), the bolted connections and the Pinhead®-locking system (if mounted) of the front and rear wheel, the seat post (b) and other components properly closed and tightened?

For more information see chapters **“How to Use the Pinhead®-Locking System”** and **“Operate the quick-release action”** of your general CUBE handbook and the enclosed operating instructions.

2. Are the connections of the rechargeable battery (c), the display and the drive correctly plugged?

For more information see chapters **“Rechargeable Battery”** and **“Display Control and Operation”**.

3. Is your battery fully charged? Keep in mind to entirely recharge the battery after every ride. You should not wait until the battery is empty!

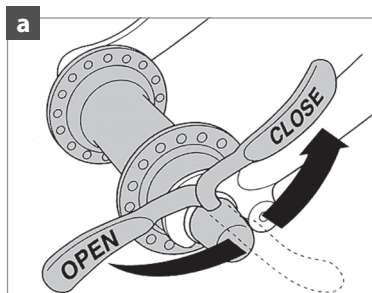
For more information see chapter **“Charging the Rechargeable Battery”**.

4. Does the display show all values? Is there any error message or warning on the display? Check the values are correct on your display before every ride. Do not set off on your CUBE EPO pedepec when the display shows a warning.

For more information see chapter **“Display Operation and Control”**.

5. Is the battery tight in its holder (d) and the lock of the Pinhead®-locking system properly closed? Never set off with a loose and unlocked battery.

For more information see chapter **“Fastening the Rechargeable Battery”**.



6. Are the tyres in good condition and do they have sufficient pressure? The minimum and maximum pressure (in bar or PSI) is indicated on the tyre side (e).

For more information see chapter **“Check the wheels”** of your general CUBE handbook and the enclosed operating instructions.

7. Spin the wheels to check whether the rims are true. If you have disc brakes, watch the gap between frame and rim or tyre and, if you have rim brakes, between brake pad and rim. Untrue rims can be an indication of tyres with ruptured sides or broken axles or spokes.

For more information see chapter **“Check the wheels”** of your general CUBE handbook and the enclosed operating instructions.

8. Test the brakes in stationary by firmly pulling the brake levers towards the handlebars (f). Make sure you cannot pull the brake levers all the way to the handlebars and check the hydraulic brake cables for leaks. Check the thickness of the brake pads, as well.

With disc brakes (g) you should directly get a positive braking response. If you have to actuate the brake lever more than once to get a positive braking response, have the CUBE EPO pedelec checked by your CUBE dealer.

The brake pads of rim brakes must hit the rim evenly with their entire surface without touching the tyre during braking or in open condition or in between.

For more information see chapter **“Check the brakes”** of your general CUBE handbook and the enclosed operating instructions.

9. Let your CUBE EPO pedelec bounce on the ground from a small height. If there is any rattling, see where it comes from. Check the bearings, the bolts (h) and the proper seat of the battery, if necessary.
10. If you want to ride on public roads, make sure your CUBE EPO pedelec is equipped according to the regulations of your country. Riding without lights and reflectors in dark or dim conditions is very dangerous, because you will be seen too late or not at all by other road users.



A lighting set (a) that corresponds to the regulations is a must on public roads. Turn on the lights as soon as dusk sets in.

For more information see chapter “**Check lighting system**” of your general CUBE handbook (b).

11. If your CUBE EPO pedepec has suspension, check it as follows: Press down on your CUBE EPO pedepec and see whether the spring elements retract and extend as usual.

For more information see chapters “**Check suspension fork**” and “**Adjusting and using your bike**” of your general CUBE handbook.

12. If your bicycle has a kick-stand, make sure it is fully raised before you set off. Risk of accident!
13. Do not forget to take a high quality D- (c) or chain lock with you on your ride. The only way to effectively protect your CUBE EPO pedepec against theft is to lock it to an immovable object.



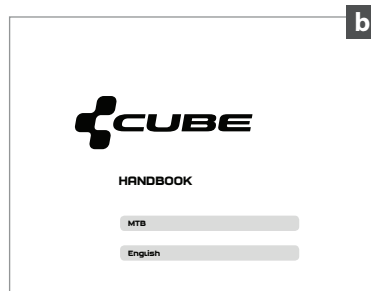
Improperly closed quick-releases and other fastenings can cause components of the CUBE EPO pedepec to come loose and result in serious accidents!



Do not use your CUBE EPO pedepec, if it fails on one of these points! Riding a defective CUBE EPO pedepec can result in serious accidents! If you are in doubt or if you have any questions, contact your CUBE bicycle dealer.



During use your CUBE EPO pedepec is undergoing stress resulting from the surface of the road and through the rider's action. Due to these dynamic loads, the different parts of your bicycle react with wear and fatigue. Please check your CUBE EPO pedepec regularly for wear marks, scratches (d), deformations, colour changes and any indication of cracking. Components which have reached the end of their service life may break without previous warning. Let your CUBE dealer maintain and service your CUBE EPO pedepec regularly and in cases of doubt it is always best to replace components.



AFTER AN ACCIDENT

1. Check whether the wheels are still firmly fixed in the drop-outs (e) and whether the rims are still centred with respect to the frame or fork. Spin the wheels and observe the gap either between frame and tyre or between brake pads and rim sides.

If the width of the gap changes markedly and you have no way to true the rim where you are, you will need to open the rim brake a little so that the rim can run between the brake pads without touching them. Please note that in this case the brakes may not act as powerfully as you are used to.

For more information see chapter **“How to Use the Pinhead®-Locking System”** as well as chapters **“Check the brakes”**, **“Operate the quick-release action”** and **“Check the wheels”** of your general CUBE handbook and the enclosed operating instructions.

2. Check that handlebars and stem are neither bent nor broken and that they are level and upright. Make sure the stem is firmly fixed on the fork by trying to turn the handlebars relative to the front wheel (f). Briefly lean on the brake levers to make sure the handlebars are firmly fixed in the stem.

Realign the components, if necessary, and carefully tighten the bolts to ensure a reliable clamping of the components (g). The maximum torque values are printed directly on the components or specified in the enclosed operating instructions.

For more information see chapters **“Adjusting and using your bike”** and **“Check the headset”** of your general CUBE handbook as well as the enclosed operating instructions (h).



3. Check whether the chain still runs on the chainrings and the sprockets. If your CUBE EPO pedelec fell over to the chain side, verify the proper functioning of the gears (a). Ask somebody to lift the CUBE EPO pedelec by the saddle and carefully shift through all the gears. Pay particular attention when shifting to the small gears and make sure the rear derailleur does not get too close to the spokes as the chain climbs onto the larger sprockets.

If the rear derailleur or the drop-outs/derailleur hanger are bent, the rear derailleur may collide with the spokes (b). This can result in damage to the rear derailleur, the rear wheel and the frame. Check the function of the front derailleur, as a displaced front derailleur can throw off the chain, thus interrupting the drive of the CUBE EPO pedelec.

For more information see chapter **“Check crankset and chain”** of your general CUBE handbook and the enclosed operating instructions.

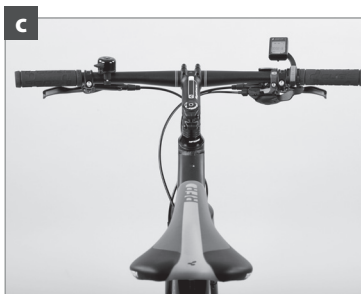
4. Make sure the saddle is not out of alignment using the top tube or the bottom bracket shell as a reference (c). If necessary, open the clamp, realign the saddle and retighten the clamp.

For more information see chapter **“How to Use the Pinhead®-Locking System”** as well as chapters **“Using your bike”** and **“Operate the quick-release action”** of your general CUBE handbook and the enclosed operating instructions.

5. Let your CUBE EPO pedelec bounce on the ground from a small height. If there is any rattling, see where it comes from. Check the bearings, the bolts and the proper seat of the battery, if necessary.
6. Check the rechargeable battery (d). If the rechargeable battery is no longer properly in its holder (e) or shows any damage, do not use your CUBE EPO pedelec. A damaged rechargeable battery can result in the CUBE EPO pedelec being suddenly without drive. Risk of accident!

Damage to the outer housing of the rechargeable battery can result in water or moisture entry which can lead to short circuits or electric shocks. The rechargeable battery may catch fire or even explode! In such a case, contact your CUBE dealer immediately.

For more information see chapter **“Rechargeable Battery”**.



7. Check whether the values shown on the display are correct and complete (f). Do not use your CUBE EPO pedelec, if the display shows an error message or a warning.

Do not set off on your CUBE EPO pedelec when the display shows a warning. In such a case, contact your CUBE dealer immediately.

For more information see chapter “Display Operation and Control”.

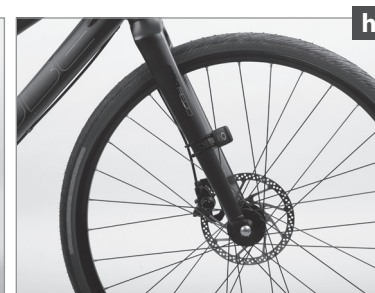
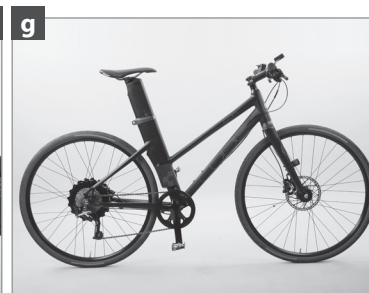
8. Finally, take a good look at the whole CUBE EPO pedelec (g) to detect any deformations, colour changes or cracks.

Ride back very carefully by taking the shortest route possible, even if your CUBE EPO pedelec went through this check without any problems. Do not accelerate or brake hard and do not ride your bicycle out of the saddle. If you are in doubt about the performance of your CUBE EPO pedelec, have yourself picked up by car, instead of taking any risk.

Back home you need to check your CUBE EPO pedelec thoroughly. The damaged parts must be repaired. Ask your CUBE dealer for help.



Deformed components, especially components made of aluminium, can break without previous warning. They must not be repaired, i.e. straightened, as the imminent risk of breakage will remain. This applies in particular to the fork (h), the handlebars, the stem, the cranks, the seat post and the pedals. When in doubt, it is always recommendable to have these components replaced, as your safety comes first. Ask your CUBE dealer for help.



HOW TO USE THE PINHEAD®-LOCKING SYSTEM (if mounted)

For easy adjusting or mounting and dismantling the rechargeable battery or the seat post (a) and the wheels (b+c) of your CUBE EPO pedelec are fitted with a so-called Pinhead®-locking system. At the same time the Pinhead®-locking system provides reliable theft protection for these components. The Pinhead®-locking system should be handled with greatest attention, as it directly affects your safety. Practise the proper use of the Pinhead®-locking system to avoid any accidents.



Make sure the Pinhead®-locking system at the wheels is always on the side opposite the chain drive. Easy reach for releasing and tightening is only given with the Pinhead®-locking system on the side opposite the chain drive. At the seat post the Pinhead®-locking system is on the right side.



With an insufficiently closed Pinhead®-locking system the wheel can come loose, thus creating a serious risk of accident!



Never ride a CUBE EPO pedelec without having checked the wheel and the seat post fastenings before you set off. Risk of accident!

How to Fasten Components Securely with a Pinhead®-Locking System

Apply the Pinhead®-key and make sure the three small pins of the key engage snugly with the recesses of the Pinhead®-locking system (d). Open the Pinhead®-locking system by turning the Pinhead®-key anticlockwise.

Make sure the component to be fastened is in the accurate position. For more information see chapters **“Check the wheels”** and **“Adjusting and using your bike”** of your general CUBE handbook.

Tighten the Pinhead®-connection by turning the Pinhead® clockwise. To check the proper seat of the wheels lift the wheels, one after the other, a few centimetres from the ground and hit the tyres from above. If it is properly fastened, the wheel will remain firmly fixed in the drop-outs of the frame or fork without producing any rattling.



Do not touch the rotor directly after having stopped – you may burn your fingers! Always let the rotor cool down before opening the Pinhead®-locking system.



RIDING A CUBE EPO PEDELEC – SPECIAL FEATURES

Your CUBE EPO pedelec is designed to be used like a conventional bicycle. The unique riding experience, however, starts when you activate the drive system. At that moment the assistance generated by the 250 W motor in the rear wheel hub increases the stronger you pedal.

Riding with Drive Assistance

The system is switched on and off at the control element (e). Furthermore, different assistance modes (f) can be selected, the remaining capacity of the rechargeable battery is displayed and different functions of the cycle computer can be selected.

When switched on the system activates during pedalling and the motor assistance is available. The torque sensor measures your force and controls the fully automated motor assistance according to the selected assistance mode. The necessary pedalling force reduces by about 30 to 60 % according to the assistance mode. The assistance switches off when you reach a speed of more than 25 kph/15 mph.

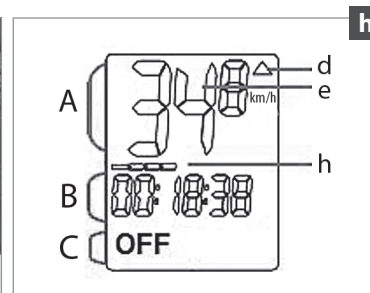
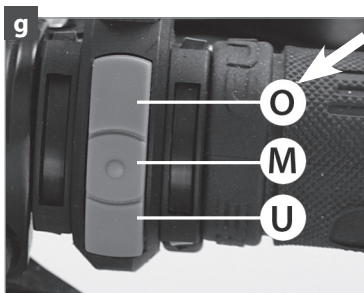
After stopping the drive system switches off automatically after 5 minutes. Reactivate the system by pressing the power button (O-button at the control element) (g).

Range

How long and how far you can benefit from the auxiliary drive depends on several factors, i.e. the road conditions, the weight of rider and additional load, the rider's pedal force, the degree or mode of assistance, (head)winds, frequent stops, the temperature, weather conditions etc.

The charge state h of your rechargeable battery can be read from your display (h). It is displayed in ten bars that correspond to a charging capacity of 100 %, i.e. one bar means 10 % battery capacity.

To extend the range it is recommended that you ride with low or no assistance at all on level or downhill trails and only select maximum drive assistance with headwinds, heavy additional loads and/or when climbing hills.





Do a test ride to make yourself familiar with the riding characteristics of your CUBE EPO pedelec (a) and the possibly higher speed and acceleration, before riding on public roads. Risk of accident!



Do not step on the pedals before sitting in the saddle and select the lowest drive assistance "ECO" (b). Be ready to brake at any time when you set off (c). Risk of accident!



Keep in mind that due to the higher driving power (d) at the rear wheel the risk of an accident increases with slippery roads (due to wetness, snow, gravel etc.). This applies all the more when riding bends. Risk of accident!



Please note that car drivers and other road users may underestimate your speed. Therefore, always ride on public roads with this fact in mind and anticipate the actions of other road users. Risk of accident!



Keep in mind that pedestrians do not hear you when you approach at high speed. Therefore, ride particularly defensive and anticipating when using cycle lanes and cycle/footpaths to avoid accidents. If necessary, ring the bell to warn others.



Riding without Drive Assistance

Your CUBE EPO pedevec is designed to be also used without drive assistance, i.e. like a conventional bicycle.

When riding without rechargeable battery, make sure the magnetic motor connector is plugged in the fastening rail of the battery and does not hang down on your CUBE EPO pedevec. Use the special magnetic surface in the battery's fastening rail.

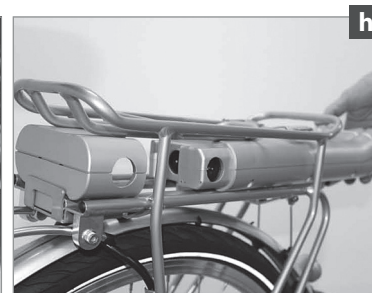
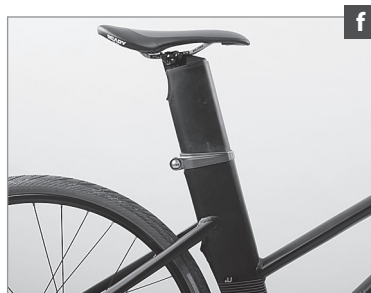


If your CUBE EPO pedevec has the seat post integrated battery, do not ride without seat post. And do not try to mount another seat post. Your CUBE EPO pedevec must only be used with the original seat post with integrated rechargeable battery (e+f). Risk of accident!

Observe the following points when riding without rechargeable battery:

- Switch on the display of your CUBE EPO pedevec, even when riding without drive assistance; the functions of your cycle computer are only then available.
- If the rechargeable battery of your CUBE EPO pedevec is mounted to the down tube (g) or to the pannier rack (h): Keep the connections of the rechargeable battery free of dirt and moisture. Protect the connections of your rechargeable battery with the protective covers, if supplied.
- If your CUBE EPO pedevec is fitted with a complete lighting set (without hub dynamo), the lighting will only work with a charged and mounted battery and with the system switched on.

For more information see the enclosed instructions.



DISPLAY OPERATION AND CONTROL

Please unfold the cover of these supplementary instructions. The diagram shows the display of your CUBE EPO pedelec with all control elements and values. Leave this page unfolded as you read so that you can easily locate the switches and displays as they are referred to in the text.

The display on the handlebars of your CUBE EPO pedelec is wireless.

Basic Settings

Removing and Mounting the Display

To remove the display from the holder, press the button on top of the display. Now you can carefully lift out the display towards the front and remove it from its holder. Do not use brute force!

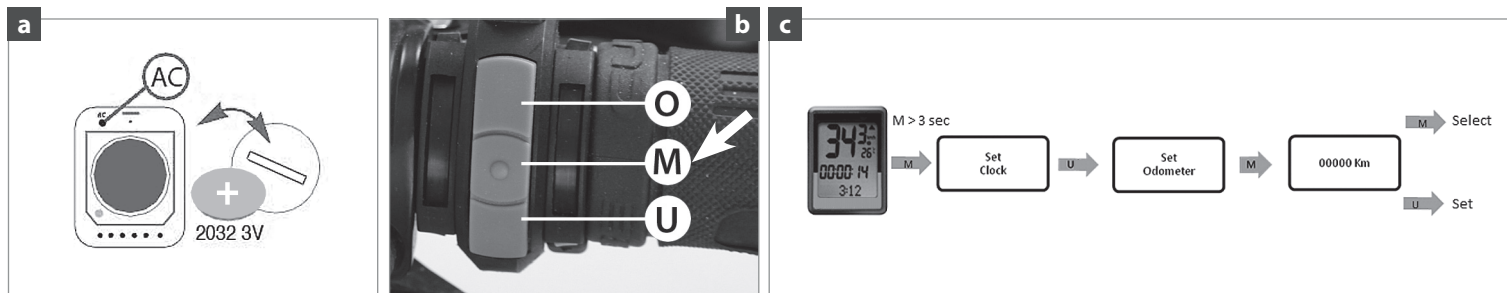
To remount the display, slide it carefully into its holder on the handlebars. The display engages with a click that you will hear and feel clearly.

Inserting the Battery (a)

Open the cover on the rear side of the display by using a coin and turning it to the left. Insert the battery (type 2032, 3V) with the "+" mark showing to the top. Subsequently, reclose the cover by turning the coin to the right. Switch on the unit by pressing the AC-button on the rear side with a pointed object.

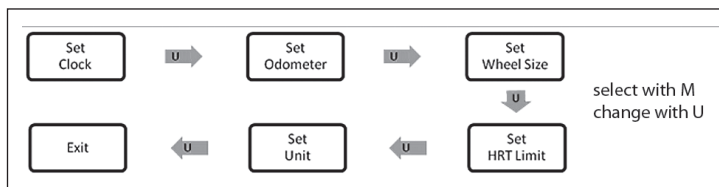
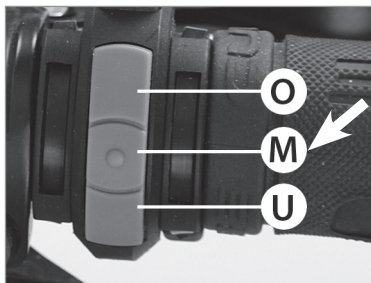
Manual Setting

Lock the display in the holder and press the middle M-button (b) for more than 3 seconds to access the configuration menu (c). The O and U-buttons allow you to change into the desired menu. If you want to change any settings, press the M-button.



Settings Menu

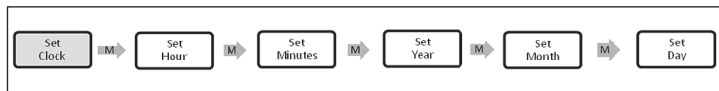
Press the M-button for more than 3 seconds to access the settings menu.



Settings – General Information

In the settings menu, proceed as follows to change the individual settings.

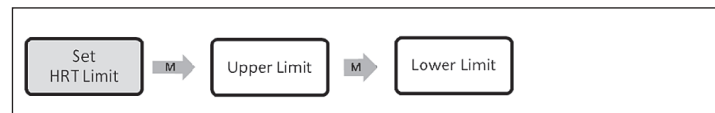
Clock Time



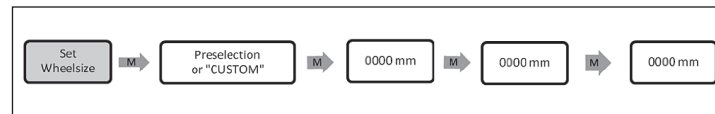
Odometer



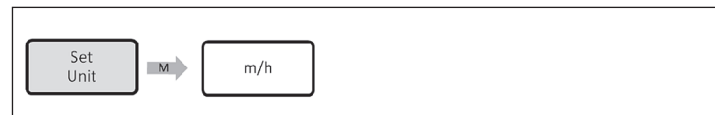
Heart Rate Upper and Lower Limit



Wheel Size



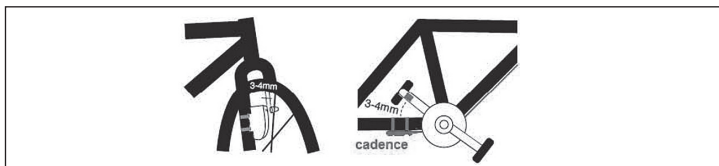
User Data



Pairing and Searching

Before you use your CUBE EPO pedelec system for the first time, the sensors must be paired once with the display. Make sure all sensors are in direct vicinity and activated. Press the ON-button that is on the housing of the rechargeable battery for 5 seconds.

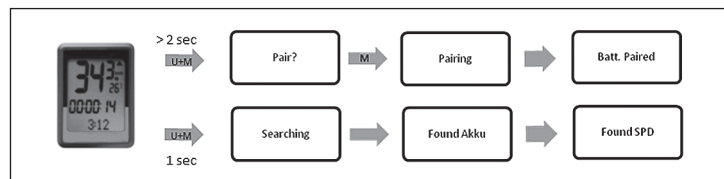
In the case of the down tube and pannier rack option the four LEDs should blink alternately. The rechargeable battery is now for 60 seconds in the pairing mode. Press the upper O and middle M-button at the same time for 2 seconds. Once the display shows **PAIR?**, confirm with M. The pairing process starts.



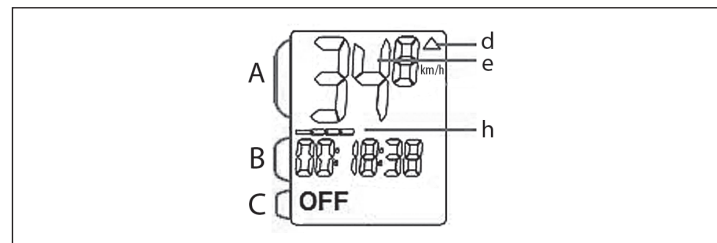
Prior to any use the display searches the sensors. This is an automatic process that starts after every waking up (moving the CUBE EPO pedelec). It can, however, also be started manually by simultaneously pressing the M and U-buttons for 2 seconds.



Please note that the rechargeable battery switches into the sleep mode after eight days of non-use. The rechargeable battery is restarted by pressing the ON-button on the battery housing once.



Functions



The three sections of the display:

The top section (A) is static and shows permanently

- the speed (e),
- heart rate upper/lower limit (d) and
- the loading capacity of the rechargeable battery (h).
- this value is displayed in ten bars equal 100 % of charging capacity, i.e. one bar means 10 % battery capacity.

The middle section (B) only shows current data. To switch through the functions press M-button.



The bottom section (C) only serves to operate the levels of assistance of the CUBE EPO pedelec drive. Therefore, this section is explained separately, as follows:

Operating the Levels of Assistance

The CUBE EPO pedelec assistance is switched on by pressing the top O-button at the control element (Power button). It starts with the Eco level and can be switched through to the Power level by pressing O-button (e).

By pressing the lower U-button on the control element you can change to a lower level of the CUBE EPO pedelec assistance, i.e. from the Power level to the OFF mode by pressing the U-button (f). From the OFF mode you can change into the recuperation mode by pressing the lower U-button once again.



In recuperation mode the rechargeable battery can be recharged to a certain extent, e.g. when riding downhill. This produces a gentle deceleration of the pedelec. Keep in mind that riding in recuperation mode increases the rolling resistance of your CUBE EPO pedelec.



Do not activate the system in stationary, when applying force on the pedal. The measuring sensors of the CUBE EPO pedelec measure this force and switch on the assistance directly. An unintended setting off with the CUBE EPO pedelec could not be excluded in this case. Risk of accident!

Further Display Functions

Reset

To reset the daily data press the U-button for 4 seconds.

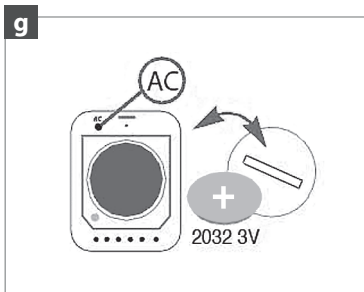
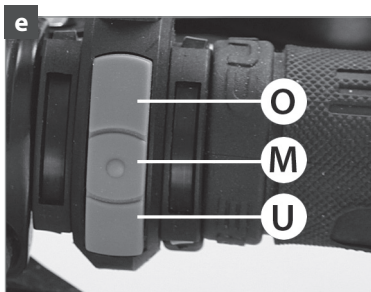
The display is completely reset by pressing the AC-button (g+h) (with a pointed object) on the bottom side of the display.

Fault Clearance

There are no values on the display or the values are defective: Press the AC-button (with a pointed object) on the bottom side of the display and check or replace the battery.



Before changing the battery note down the TOTALS. All settings must be reset subsequently. If the seal ring is loose, re-insert it.



RECHARGEABLE BATTERY

The rechargeable battery is the electrical power storage for the auxiliary drive; it is integrated into the seat post (a) or mounted at the pannier rack or down tube of your CUBE EPO pedelec.

- By pressing the ON-button under your saddle (b) for 5 seconds and releasing it, you can start the pairing.
- By pressing the ON-button under your saddle for 10 seconds and releasing it, the rechargeable battery of your CUBE EPO pedelec changes into the deep-sleep mode.
- By pressing the ON-button under your saddle for 15 seconds and releasing it, the drive system is in the emergency mode. By pressing the push button under your saddle once again the emergency mode is deactivated.



In emergency mode the CUBE EPO pedelec runs with medium assistance level, in case the display is no longer available or the display's battery is empty.

The components of the drive system of your CUBE EPO change into the sleep mode after different periods of time:

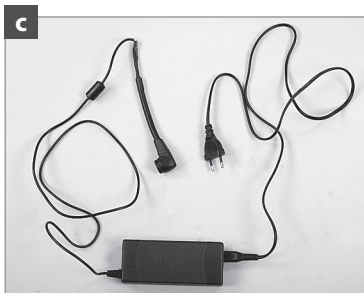
- After 7 minutes of non-operation: The speed sensor changes into the sleep mode. You can wake up the sensor with a magnet.
- After 20 minutes of non-operation: The display changes into the sleep mode. You can wake up the display by pressing any button on the display.
- After 8 days of non-operation: The rechargeable battery changes into the deep-sleep mode. In this mode the battery's self-discharge is reduced to a minimum. In this mode the rechargeable battery can be stored.



Do not charge the battery with any other than the supplied charger (c+d), not even if the electrical characteristics or plug contacts seem to comply with your battery.



Make sure to charge the rechargeable battery only with the supplied charger. Using another charger can lead to malfunctions, limited service life or fire and explosions.





The lithium ion battery should be charged in an ambient temperature between 5 and 40 degrees Celsius (35 to 104 degrees Fahrenheit). Do not charge the lithium ion battery in temperatures of 5 degrees Celsius below zero (23 degrees Fahrenheit) and over 60 degrees Celsius (140 degrees Fahrenheit).



In case of smoke emission or unusual smell, disconnect the charger from the mains (e) immediately and remove the rechargeable battery from the charger. Contact your CUBE dealer.



Never try to open the components of the drive unit, especially not the rechargeable battery. Inappropriate opening or deliberate destruction of the rechargeable battery involves the risk of serious injuries.



Keep the rechargeable battery away from fire and in particular away from warm objects, such as radiators. The effects of extreme heat can make the rechargeable battery explode. Always ensure adequate air circulation during charging. Furthermore, high temperatures reduce the service life of the rechargeable battery.



The charger (f) must only be connected to a usual 110 or 220 V socket.



Opening or manipulating the electrical and mechanical components of the drive and the rechargeable battery will void the warranty.



Never submerge the rechargeable battery in water. Clean the battery housing only with a soft rag (g) and water or a neutral detergent. Do not use cleaning agents, such as benzine, alcohol or other liquids. Non-neutral detergents can make the coating chip off or result in colour changes, deformations, scratches or defects.

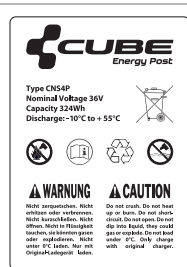


The rechargeable battery of your CUBE EPO pedelec (h) contains chemical substances that can result in dangerous reactions when non-observing the mentioned safety advices.



Only use original spare parts. The usage of non-original spare parts or non-matching parts increases the risk of damage and malfunctions. In such a case the warranty becomes void.

e



f



g



h





Do not try to rebuild or disassemble the charger.



Do not use further a rechargeable battery with damaged housing or a damaged charger (mains plug, housing, cable) (a).



Do not dispose of the rechargeable battery with normal household rubbish. There are special disposal systems for rechargeable batteries. Contact your CUBE dealer.



Unintended switching on of the drive can result in injuries. Therefore, always remove the rechargeable battery before doing any mounting or servicing on your CUBE EPO pedevec.



Damaged electric assemblies and cables can result in short-circuits and must be replaced by a CUBE dealer.



Use the rechargeable battery for your CUBE EPO pedevec only.

Seat Post Option

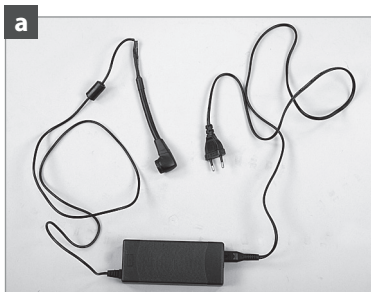
Removing the Rechargeable Battery

Before removing the seat post battery, make sure the magnetic connector is no longer connected to the charging socket of the rechargeable battery (b). You can disconnect the magnetic connector that leads from the drive to the battery with a slight jolt.

Note the marking on the seat post rear (c) and memorise the height that is adjusted to your needs, before removing the seat post.

Subsequently, open the Pinhead®-locking system at the seat post clamping (d) of your CUBE EPO pedevec, as described in chapter “How to Use the Pinhead®-Locking System”, and remove the seat post battery carefully (e).

Release the magnetic connector at the bottom end of the seat post battery and make sure the cable keeps out of the seat tube (f). You can hook the cable connector into the recess at the rear top end of the seat tube (g).





Be aware of possible grease or assembly paste residues on the seat post of your CUBE EPO pedelec. Make sure not to soil yourself and your clothes, when removing the rechargeable battery.



When you remove your seat post battery for charging it from the seat post with your CUBE EPO pedelec left in the open during the charging process, you should protect the seat tube e.g. with a plastic bag against rain, water, moisture and dirt.

Mounting the Rechargeable Battery

Take the cable that runs inside the seat tube and connect the magnetic connection with the socket at the bottom end of the seat post battery.

Subsequently, insert the seat post carefully into the seat tube of your CUBE EPO pedelec. Determine the height of your seat post according to your needs with the marking on the seat post rear (h). For more information see chapter **"Adjust saddle height"** of your general CUBE handbook.

Tighten the Pinhead®-locking system at the seat post of your CUBE EPO pedelec.

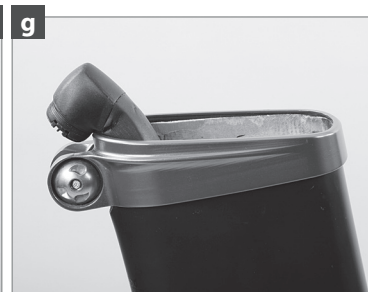
Connect the magnetic connector to the charging socket of the rechargeable battery at the bottom bracket.



Do not pull out the seat post too far. The mark on the seat post (Min. insert) should always remain within the seat tube.



Make sure the plug contacts remain undamaged, clean and dry while the battery is removed.



Pannier Rack Option

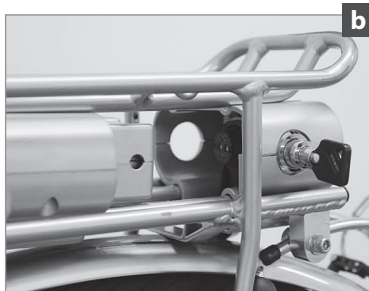
Removing the Rechargeable Battery

The pannier rack battery is double secured. On the one hand with the lock on the side and on the other hand with a locking element that is operated with a button. Open the lock first, remove the key and press the unlocking button of the rechargeable battery. Depending on the mounting option of the battery, the button is located on the upper or bottom side of the rechargeable battery. Press the button and simply remove the rechargeable battery towards the rear (contrary to the direction of motion) (a).

Fastening the Rechargeable Battery

Before sliding the pannier rack battery back into the pannier rack, make sure the lock in the connection box on the pannier rack is open (b). The rechargeable battery is inserted into the pannier rack with the connector in direction of motion. Over the last millimetres you will feel a slightly increased resistance when the connector is plugged into the battery's connection box.

With the rechargeable battery engaged with the pannier rack you can close the lock. The key is not necessary to close the lock. Apply a little pressure to press the projecting locking cylinder into the lock until it engages, the battery being thus locked. Your CUBE EPO pedelec is now ready for use.



Down-Tube Option

Removing the Rechargeable Battery

Before removing the rechargeable battery, make sure the magnetic connector is no longer connected to the charging socket of the rechargeable battery. You can disconnect the magnetic connector that leads from the motor to the battery simply with a slight jolt (e). Release the lock (f), disconnect the magnetic connector from the charging socket and slide the rechargeable battery in tilted position upwards by applying a little pressure. Subsequently, the rechargeable battery disengages automatically from its holder and can be removed easily.

Fastening the Rechargeable Battery

When the rechargeable battery is fully charged and you want to re-fasten it to the bicycle, make sure the lock in the battery housing is open. Position the rechargeable battery on the fastening rail that is firmly screwed to the CUBE EPO pedelec. This is done with the connector socket on the left side in direction of motion and with the lock on the right side of the battery housing. Make sure when placing the battery on the fastening rail that the toothing engages with the fastening rail. The rechargeable battery should be slightly offset to the front of the fastening rail.

Press the rechargeable battery with a slight jolt in tilted position downwards (g) so that it engages with the fastening rail. Check the correct seat of the rechargeable battery on the fastening rail by closing the lock. The key is not necessary to close the lock. Apply a little pressure to press the projecting locking cylinder into the lock until it engages, the battery being thus locked. If the lock closes easily, the rechargeable battery is correctly fitted to the fastening rail (h) and you can connect the magnetic socket that comes from the motor into the connector plug in the battery housing. Your CUBE EPO pedelec is now ready for use.



Charging the Rechargeable Battery

You need not necessarily remove the rechargeable battery from your CUBE EPO pedelec to charge it. You can charge the rechargeable battery directly on the CUBE EPO pedelec (a) or remove the rechargeable battery by opening the lock or the Pinhead®-locking system (b) and charge it in your home or garage. Remove the rechargeable battery by releasing the lock with the key anticlockwise or open the Pinhead®-locking system, as described in chapter “How to Use the Pinhead®-Locking System”.

For transport reasons the rechargeable battery is supplied ex works with a state of charge of 30 %. However, due to a certain self-discharge (reference value: about 1 % per day with ambient temperature), the rechargeable battery must be fully charged before being used for the first time.

The battery's state of charge is indicated in ten bars on the display (c). In the case of the down tube and pannier rack option the state of charge can also be checked by pressing the ON-button on the battery housing. The number of glowing LEDs shows the current state of charge.

For more details in this regard also read chapter “Technical Specifications”. If you have any questions, contact your CUBE dealer.

Proceed as follows when charging your battery:

- Connect the magnetic charging plug to the charging socket of the rechargeable battery (d).
- Connect the power cable to the supplied charger (e). Put the mains plug into a 220V socket (f).
- The LED of the charger glows green during the charging process.
- The LEDs of the state of charge display on the battery start blinking.



CUBE EPO pedelecs with seat post battery do not have a state of charge display on the battery housing or the seat post.

- On delivery the rechargeable battery of your CUBE EPO pedelec is usually not fully charged. Before you set off for the first time the battery needs a deep charge.
- The duration of the charging process depends on the battery capacity and the charger type.



- The rechargeable battery has reached its maximum capacity after about five discharge-charge cycles.
- The rechargeable battery and the charger (g) are compatible. Don't use another charger and another rechargeable battery or any supposed replacement units!
- The rechargeable battery reaches its maximum service life, when charged with an ambient temperature between +10 and +30 degrees Celsius (50 and 86 degrees Fahrenheit).
- The battery can be charged in any state of charge. It is recommended that you recharge the battery after every ride to benefit from the full range at all times.



Connecting the charger with the rechargeable battery over an unlimited period of time is riskless.

In the case of the down tube and pannier rack option you can check the state of charge of the rechargeable battery on the housing.

- 1 LED glows: Rechargeable battery is being charged
- Up to 3 LEDs glow: Number of glowing LEDs corresponds to the capacity already charged
- 4 LEDs glow: Rechargeable battery is nominally fully charged, recharging in process
- All LEDs are out: End of charging process, battery's state of charge 100 %, trickle charge active



Charge your battery only with the supplied charger. Do not use the charger of any other manufacturer, not even when the connector of the charger matches your rechargeable battery. The rechargeable battery can heat up, catch fire or even explode (h)!



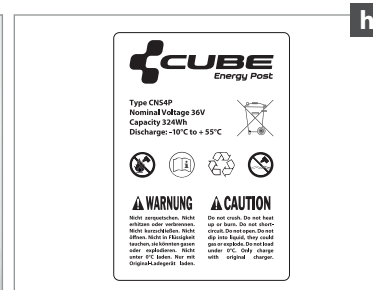
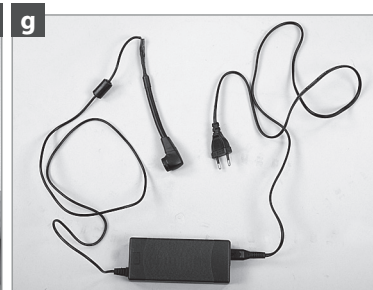
Keep the rechargeable battery and the charger during the charging process away from moisture and water to exclude electric shocks and short circuits.

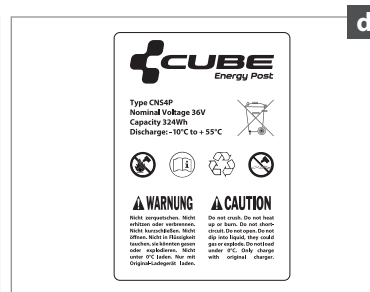
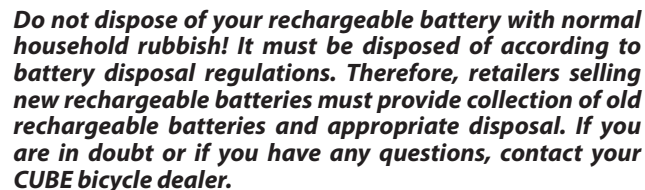
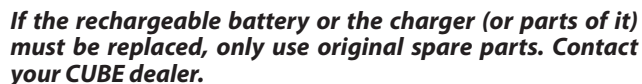
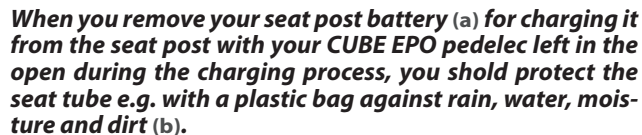


Keep rechargeable battery and charger out of the reach of children!



Do not use a rechargeable battery or a charger that is defective. If you are in doubt or if you have any questions, contact your CUBE dealer.





Battery Care

Storing the Rechargeable Battery

Remove the rechargeable battery (e), if you do not use the CUBE EPO pedelec for a longer period of time (e.g. during the winter season). Store the rechargeable battery in a dry room at temperatures between 5 and 20 degrees Celsius (41 and 68 degrees Fahrenheit). The state of charge should be 50 to 70 % of the charging capacity (equal 5 to 7 bars on the state of charge display on your display). Check the state of charge, if the rechargeable battery is left unused for more than two months and recharge it in between, if necessary.



Make sure not to discharge your rechargeable battery completely (also referred to as depth discharge). Depth discharge will affect the rechargeable battery of your CUBE EPO pedelec permanently. A deep-discharged battery can only be recharged in exceptional cases and with special chargers at your CUBE dealer or battery manufacturer.

Cleaning the Rechargeable Battery

Clean the battery housing or the seat post battery with a dry or at most slightly moist rag (f). Do not direct the water jet of a high-pressure cleaner at the rechargeable battery, as there is a risk of water entry and/or short-circuit.



THE CUBE EPO PEDELEC – SPECIAL FEATURES

Drive - Chain Wear

The drive chain (g) is a wearing part of your CUBE EPO pedelec. As the auxiliary drive of your CUBE EPO pedelec is integrated directly in the rear wheel hub (h), this does not mean a higher load for the drive chain compared to that of a conventional bicycle. In fact, it is rather the opposite, as the drive force applied by the rider is usually inferior to that he would apply on a conventional bicycle. For more information about chain wear and maintenance see chapter “Cleaning and caring for your bike” of your general CUBE handbook.



Wheels and Tyre Equipment – Tyre Puncture (rear)

For detailed information about repairing a puncture see chapter **“Wheels and tyres”** of your your general CUBE handbook. Besides your Pinhead®-key you only need a replacement tube (a) or a puncture kit, two tyre levers and a pump (b).



The puncture risk can be reduced by using special puncture sealants. Your bicycle dealer will be pleased to help you.

Wheel Removal

Shift the rear derailleur to the outmost, smallest sprocket where it does not interfere with the removal of the wheel. Unplug the magnetic connector at the bottom bracket before removing the rear wheel. Subsequently, release the Pinhead®-locking system at the rear wheel fastening by two to three turns (c) (see chapter **“How to Use the Pinhead®-Locking System”**).

Now you can remove the rear wheel from the frame as in the case of any usual bicycle. There are no measuring sensors that must be considered during removal and mounting.

And there is no need to calibrate the measuring sensors after re-mounting the rear wheel. All torque measuring sensors are in the drive housing and accordingly protected against external influences.

You will find it easier to remove the rear wheel, when you pull the rear derailleur slightly backwards (d). Lift the CUBE EPO pedelec off the ground and give the wheel from the top a gentle tap with your hand so that it drops out.



Rotors can become hot, so let them cool down before removing a wheel.



Do not pull the (disc) brake lever with a removed wheel and make sure to mount the safety locks when removing the wheel.



Keep the magnetic connector clean and dry as long as the rear wheel is removed and check, before remounting the wheel, whether the magnetic connector is soiled or damaged. If the magnetic connector is soiled, clean it with a rag before reconnecting it.



Wheel Mounting

Mounting the wheel is done in the reverse order of dismounting. Make sure the wheel axle slides snugly with its surfaces into the drop-outs (e) without getting jammed. Tighten the Pinhead®-locking system (see chapter **"How to Use the Pinhead®-Locking System"**).

Pull the brake lever (f) several times after mounting the wheel. Lift the CUBE EPO pedelec off the ground and spin the wheel. With the wheel spinning the rotor should not drag along the brake calliper or the brake pads.

Subsequently, reconnect the magnetic connector of the drive cable with the connector plug at the bottom bracket shell (g). Your CUBE EPO pedelec is now ready for use.



Before setting off again check that the rotors are still free of grease or other lubricants after the wheel mounting.



Always do a brake test as described in chapter "Before Every Ride"!

Tyre Wear

Due to higher driving forces the tyre of the rear wheel can wear down faster than with a conventional bicycle. Therefore, check the tread depth regularly and replace a worn tyre in time. For more information see chapter **"Check the wheels"** of your general CUBE handbook.

Disc Brakes

If your CUBE EPO pedelec has disc brakes (h), if you want to refit your CUBE EPO pedelec with disc brakes or if you do any servicing at the rotor, keep in mind that the supplied Torx screws fastening the rotor to the drive housing are special size screws! They comply with ISO standard 7380 and are M5x7 mm. The tightening torque is 5 Nm and must be strictly observed. If you have no suitable torque wrench with bits, contact your bicycle dealer.



Only use the original screws supplied with the drive. In particular, the screws for the fastening of the rotor to the drive housing have special sizes in terms of length and strength. These screws are Torx screws that must be tightened to a torque of 5 Nm!



TRANSPORT OF THE CUBE EPO PEDELEC

By Car

CUBE EPO pedelecs (a) can be transported like conventional bicycles outside (b) or inside the car (c). For more information see chapter **"Transporting your bike"** of your general CUBE handbook (d).



The weight distribution on CUBE EPO pedelecs differs markedly from the weight distribution on bicycles without drive assistance. Due to the rear wheel drive the CUBE EPO pedelec is much heavier in the rear than in the front. For this reason lifting and carrying the CUBE EPO pedelec is more difficult. Bear this in mind when loading your pedelec into a car and unloading it or when mounting it on a bicycle carrier system.



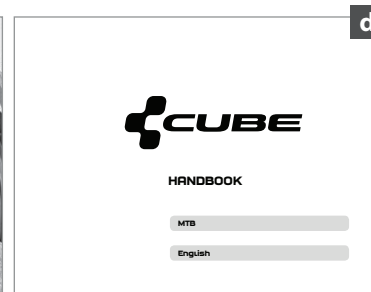
Make sure to remove all movable and loose parts and above all the rechargeable battery and the display from your CUBE EPO pedelec before transporting it inside or outside the car. When you remove your seat post battery from the seat post for transporting your CUBE EPO pedelec on the roof of a car, you should protect the seat tube e.g. with a plastic bag against rain, water, moisture and dirt.



Before transporting several CUBE EPO pedelecs with a bicycle rack on the car roof, inform yourself about the maximum load capacity of the bicycle rack. Keep in mind that the weight of a pedelec is higher than the weight of a bicycle without drive. Maybe you can only transport one or two CUBE EPO pedelecs instead of three bicycles without drive.



If necessary, inform yourself about the laws and regulations concerning bicycle/pedelec transport in the countries that you intend to transit during your journey. The laws and regulations differ, e.g. with regard to the marking.



By Train / By Public Transport

CUBE EPO pedelecs (e+f) can be transported like conventional bicycles by public transport.

In the cities the regulations for taking bicycles or pedelecs by public transport differ. There are e.g. some places where you are only allowed to travel with your CUBE EPO pedelec during off-peak hours and with an additional bicycle ticket. Inform yourself in time about the regulations of carrying the bicycle before you start the trip!

In Germany e.g. you always need to pre-book a bicycle space on the IC/EC-trains of Deutsche Bahn. This reservation must be made one day prior to your journey at the latest.

When taking a high-speed train check whether you can take your bicycle with you.



If the rechargeable battery of your CUBE EPO pedelec is mounted to the pannier rack (g) or to the down tube (h), you can also remove the battery before boarding and disembarking.



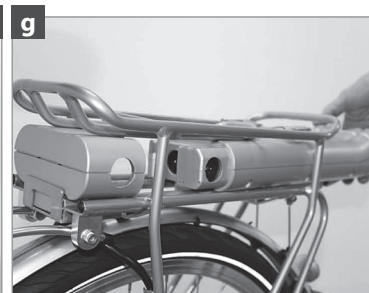
Before you start your trip inform yourself in time about the conditions of carriage and also observe the regulations and rules about bicycle transport in the countries through which you intend to travel.

By Plane

If you intend to take your CUBE EPO pedelec by plane or to dispatch it with a forwarding agent, you have to observe particular packing and labelling requirements. Contact an expert for hazardous material or a forwarding agent in time.



Contact the airline with which you intend to travel in time and inform yourself about conditions and possibilities of taking your CUBE EPO pedelec with you.



TROUBLESHOOTING

During the Charging Process

In case of malfunctions during the charging process, carry out the following checks:

- Is the mains cable properly connected and is there power in the socket?

During the Ride

- Are the contacts of the charger and the rechargeable battery clean and sound or are they bent?
- Is the rechargeable battery damaged or defective?
- Is the connector of the charger firm in the connection socket of the rechargeable battery?
- If charging is still impossible, have the rechargeable battery and the charger checked by your CUBE dealer.

The auxiliary drive cannot be switched on:

- Check the battery's state of charge.
- Check the proper seat of the rechargeable battery in the seat post or in the frame holder as well as the connections.
- Press the ON-button under the saddle (seat post option) or on the rechargeable battery (down tube and pannier rack option).
- If you still cannot switch on the auxiliary drive, ride on without drive assistance. Contact your CUBE dealer immediately.

The auxiliary drive doesn't work, although the system is switched on:

- Stop and switch off the drive at the control unit.
- Check the proper seat of the rechargeable battery in the seat post or in the frame holder as well as the connections at the chainstay.
- If the auxiliary drive still does not work after restarting it at the control unit, switch it off and ride on without drive assistance. Contact your CUBE dealer immediately.

The auxiliary drive doesn't work, as usually, e.g. it propels the CUBE EPO pedevec without your pedalling:

- Stop immediately. Switch off the drive at the control unit and restart it after 15 seconds.
- If the problem persists, switch off the drive and ride on without drive assistance. Contact your CUBE dealer immediately.

Error	Check	Troubleshooting
1 No values on the display.	Display battery empty?	Replace display battery (CR2032). Re-pairing display, speed sensor and rechargeable battery (see chapter "Pairing and Search").
2 Command selection doesn't work with control element.	Are buttons on control element operable?	Contact your CUBE dealer.
3 Battery's state of charge not visible on display.	1. Rechargeable battery and display are not paired.	Carry out pairing a. Also wake up speed sensor with magnet. Make sure there are no other speed sensors within a radius of 5 metres. b. Press ON-button on battery for about 5 seconds, until first LED glows. c. Release ON-button (4 LEDs run up and down, battery in pairing mode). d. Press simultaneously upper and middle button on display control element for 2 seconds until "Pair?" shows up on the display. Release buttons and confirm with middle button. Rechargeable battery and speed sensor are re-paired.
	2. Rechargeable battery is empty.	Try to charge the battery.
	3. Failure of rechargeable battery	Contact your CUBE dealer.
4 There is no drive.	Check whether magnetic connector is clean.	Remove objects sticking due to magnet from the connector. Contact your CUBE dealer.
5 No speed values on the display.	1. Speed sensor sleeps	Awake speed sensor with magnet. Display searches cyclically for sensors. Wait for 20 seconds.
	2. Speed sensor's battery empty	Replace battery (CR2032). Carry out re-pairing (see item 3).
	3. Speed sensor is not paired	Carry out re-pairing (see item 3). Make sure there are no other woken up speed sensors within a radius of 5 metres.

SERVICING AND MAINTENANCE

Your CUBE dealer will have assembled and adjusted your CUBE EPO pedelec ready for use when you come to collect it. Nevertheless, your CUBE EPO pedelec needs regular servicing (a). Have your local CUBE dealer do the scheduled maintenance work. This is the only way to ensure that all components function safely and reliably for many miles.

The bicycle will be due for its first service after 100 to 300 kilometres (60 to 180 miles), three to six weeks or 5 to 15 hours of initial use. The bedding in phase typically involves spokes slightly losing tension or gears becoming out of adjustment, so there is every reason to have your dealer service the CUBE EPO pedelec at this stage. This bedding and settling in process is unavoidable. Therefore, remember to make an appointment with your CUBE dealer for the first inspection of your new CUBE EPO pedelec. The first service is very important for both functioning and durability of your CUBE EPO pedelec.

The intended use of the CUBE EPO pedelec includes regular servicing and the replacement of worn out parts in time, e.g. brake pads (b) or Bowden and brake cables (c), and therefore has an influence on the warranty, as well. It is advisable to have your CUBE EPO pedelec serviced regularly by your CUBE dealer after the bedding in phase.

If your bicycle does harder service, because you ride a great deal on poor road surfaces, it will require correspondingly shorter service periods. The off-season during the winter months is a very good time to take your CUBE EPO pedelec to your CUBE dealer for the annual inspection, as they will have plenty of time for you and for servicing.



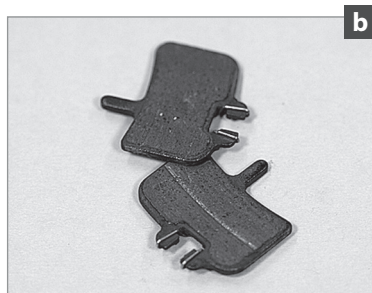
Servicing and repairs are jobs best left to your CUBE dealer. If you have your bicycle serviced by anyone else than an expert, you run the risk that parts of your CUBE EPO pedelec will fail. Risk of accident! When working on your CUBE EPO pedelec restrict yourself to jobs for which you are equipped e.g. with a torque wrench including bits (d) and have the necessary knowledge.



If a component needs to be replaced, make it a rule to only use original spare parts (e). Wearing parts of other manufacturers, e.g. brake pads or tyres that are not of identical size, may cause harm to the safety of your CUBE EPO pedelec. Risk of accident!



For your own safety, bring your CUBE EPO pedelec to your CUBE dealer for its first inspection after 100 to 300 kilometres (60 to 180 miles), 5 to 15 hours of initial use or three to six weeks, at the very latest, however, after three months.



MAINTENANCE AND CARE OF THE DRIVE

If used appropriately and carefully, the electric drive (f) is maintenance-free. Service routines at the drive of your CUBE EPO pedelec must be carried out by a CUBE dealer.

Safety services should be carried out by a CUBE dealer every 500 kilometres (310 miles). The safety service should include the following checks:

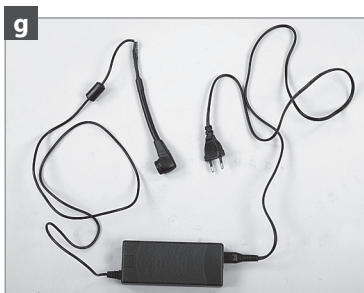
- Fastening of all cables and parts
- Operation of the entire electric system
- Operational safety of rechargeable battery (g+h)



The motor is not approved for steam cleaning, high-pressure cleaning or cleaning with a water hose. The contact of water with the electrics or the drive can destroy the units. The individual components of the drive can be cleaned with a soft rag and neutral detergents. You may use a moist rag, but not excessive water.



Keep the magnetic connector clean and dry as long as the rear wheel is removed and check, before remounting the wheel, whether the magnetic connector is soiled or damaged. If the magnetic connector is soiled, clean it with a rag before reconnecting it.



TECHNICAL SPECIFICATIONS

Drive

Continuous rated power (statutory): 250 Watt
 Torque at drive: 40 Nm maximum
 to 10 Nm nominal
 Nominal voltage: 36 Volt

Operating and storage temperature:

Charging:

- min. 0 to max. 45 degrees Celsius
 (32 to 113 degrees Fahrenheit)
- recommended from +10 to +30 degrees Celsius
 (50 to 86 degrees Fahrenheit)

Discharging:

- -10 to +55 degrees Celsius
 (5 to 140 degrees Fahrenheit)

Normal charger

(included in scope of delivery):

- charging current: 2amp
- charging time: 3.5 to 4 hours

Rapid charger

(special equipment):

- charging current: 5amp
- charging time: 1.5 to 2 hours

Number of (full) charge cycles: 1,000

Rechargeable battery is splashproof

Display

High-resolution LCD

Battery:

CR2032

Weight:

23.5 grams

Transmission standard:

ANT

Button:

Easy reach remote control at the grip



WARRANTY AND GUARANTEE

Your CUBE EPO pedelec was manufactured with care. Normally it is delivered to you by your CUBE dealer fully mounted.

As direct purchaser you have full warranty rights within the first two years after purchase. Please contact your CUBE dealer in the event of defects.

To ensure a smooth handling of your claim, it is necessary to present your receipt, your bicycle card and the delivery receipt. Therefore, please keep these documents in a safe place.

To ensure a long service life and good durability of your CUBE EPO pedelecs, use it only for its intended purpose (see chapter “**Intended Use**”). Please observe the permissible load specifications as specified in the bicycle card. Be sure to follow the mounting instructions of the manufacturers (above all the tightening torques of the bolts) as well as the prescribed maintenance schedule.

Please observe the checks and routines that may be listed in the manuals supplied or the replacement of safety-relevant components, such as handlebars, brakes etc, if necessary.



Keep in mind that retrofitted accessories can impair the functioning of your CUBE EPO pedelec. If you are in doubt or if you have any questions, contact your CUBE bicycle dealer.



The law referring to full warranty rights is only valid in the countries where the law has been ratified according to the renewed European regulations. Please inform yourself about the situation in your country.



Ask your CUBE dealer about any additional guarantee given by the manufacturer of your CUBE EPO pedelec and insist on having it as printed version.



A Note on Wear

Some components of your CUBE EPO pedelec are subject to wear due to their function. The rate of wear will depend on care and maintenance and the way you use your CUBE EPO pedelec (mileage, riding in the rain, dirt, salt etc.). CUBE EPO pedelecs that are often left standing in the open may also be subject to increased wear through weathering.

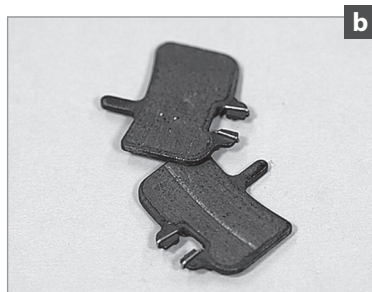
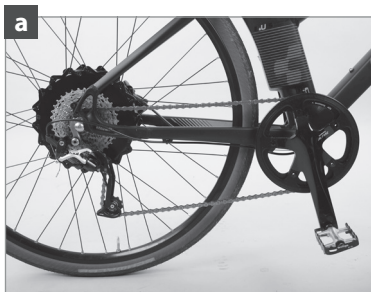
The components below require regular care and maintenance. Nevertheless, sooner or later they will reach the end of their service life, depending on conditions and intensity of use. Parts that have reached their limit of wear must be replaced.

This concerns:

- Drive chain
- Brake pads
- Brake discs/rotors
- Brake cables
- Brake cable housings
- Grips
- Chainrings
- Lamps
- Tyres
- Sprockets
- Saddle covering
- Bowden cables
- Bowden cable housings
- Pulley wheels
- Lubricants



Rechargeable batteries are also wearing parts. Nevertheless we warrant the rechargeable battery of your CUBE EPO pedelec for 1,000 charge cycles.



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