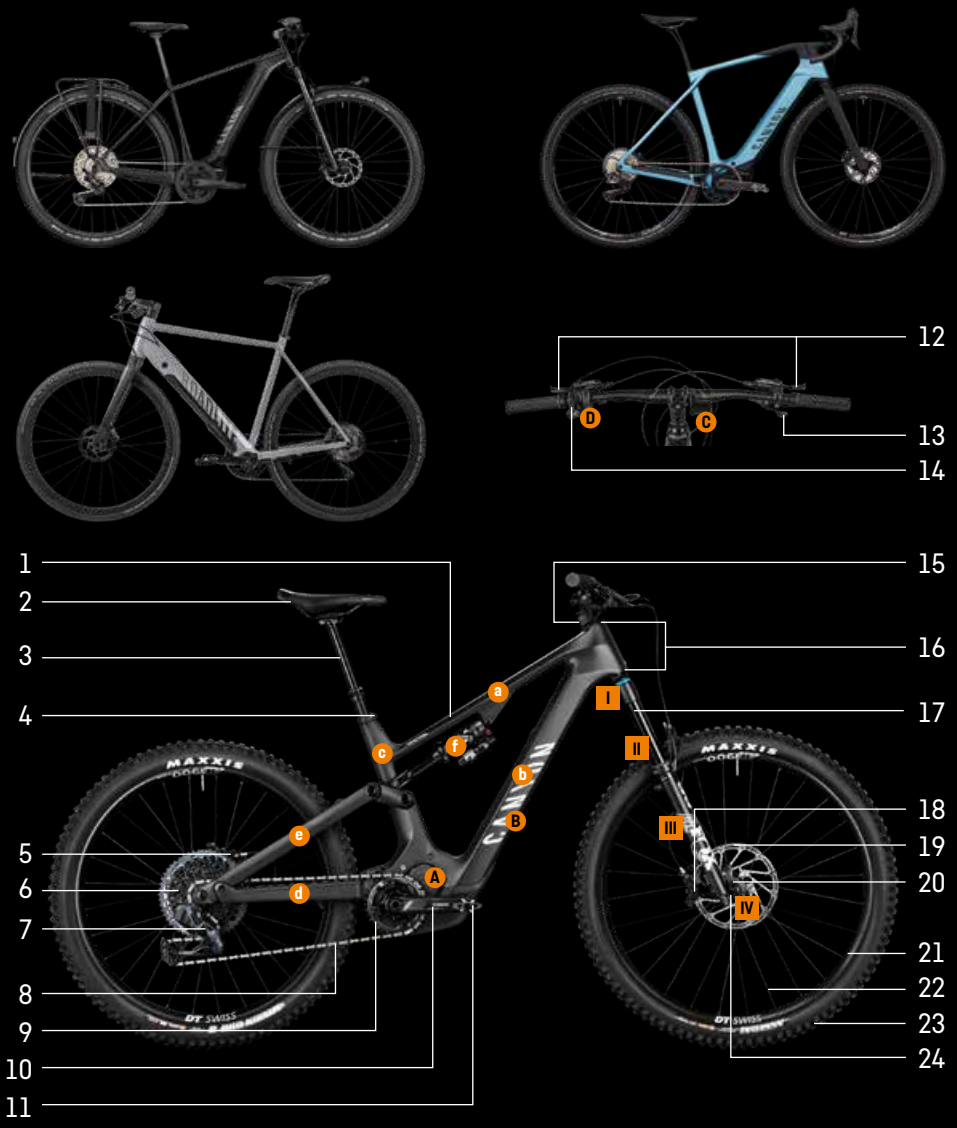
PURE
CYCLING

MANUAL

E-BIKE



⚠ Your e-bike and this translation of the original operating instructions together with the comprehensive world-specific Canyon bicycle manual and the system instructions of the drive system manufacturer correspond to the requirements of the standard **EN 15194:2017** for electric bicycles or, respectively, **DIN EN 17404:2019-07** (draft) for EPAC mountain bikes, the standard **EN ISO 4210-2** and the Machinery Directive **2006/42/EC**.

⚠ **Attention!** Assembly instructions in the **Quick Start Guide, which comes attached to the e-bike**. You can also find the Quick Start Guide on our website, www.canyon.com

⚠ Read pages 2 to 13 of this manual before your first ride. Perform the functional check on pages 14 to 17 of this manual before every ride!

COMPONENTS

Bicycle components

1 Frame:
- a Top tube
- b Down tube
- c Seat tube
- d Chainstay
- e Rear stay
- f Rear shock

2 Saddle
3 Seat post
4 Seat post clamp
5 Rear brake
6 Cassette sprockets
7 Rear derailleur
8 Chain
9 Chainring
10 Crank set
11 Pedal

Handlebar:
12 Brake lever front/rear
13 Shift lever
14 Control lever height-adjustable seat post

15 Stem
16 Headset

17 Suspension fork:
- I Fork crown
- II Stanchion tube
- III Lower leg
- IV Dropout

18 Front brake
19 Rotor

Wheel:
20 Quick-release/thru axle
21 Rim
22 Spoke
23 Tyre
24 Hub

Electric drive components

A Mid-mounted motor
B Rechargeable battery
C Display
D Control unit

TABLE OF CONTENTS

NOTES ON THIS TRANSLATION OF THE ORIGINAL OPERATING INSTRUCTIONS

PAY PARTICULAR ATTENTION TO THE FOLLOWING SYMBOLS:

Note that the aforementioned consequences will not be repeated each time the symbols appear in the translation of the original operating instructions!

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 about actions that could lead to damage to property or the environment.

This symbol signifies information about how to handle the product or refers to a passage in the translation of the original operating instructions that deserves your special attention.

Be sure to read the comprehensive world-specific Canyon bicycle manual MTB, Road or Urban as well as the system instructions of the drive system manufacturer. You can find these under www.canyon.com/downloads (as of September 2021).

Attention! Assembly instructions in the **Quick Start Guide, which comes attached to the e-bike**. You can also find the Quick Start Guide on our website, www.canyon.com

Read pages 2 to 13 of this manual before your first ride. Perform the functional check on pages 14 to 17 of this manual before every ride!

NOTES ON THIS TRANSLATION OF THE ORIGINAL OPERATING INSTRUCTIONS

This translation of the original operating instructions is an additional set of instructions which together with the comprehensive world-specific Canyon bicycle manual MTB, Road or Urban and the system instructions of the drive system manufacturer corresponds to the requirements of the standard **EN 15194** for Cycles – Electrically power assisted cycles or, respectively, **DIN EN 17404:2019-07** (draft) for EPAC mountain bikes, the standard **EN ISO 4210-2** and the **Machinery Directive 2006/42/EC**. Also observe the manuals of the component manufacturers. You can find these under www.canyon.com/downloads (as of September 2021).

In the following chapters this translation of the original operating instructions is referred to as **Manual E-Bike**.

In this translation of the original operating instructions, bicycles with drive support described as EPAC mountain bikes in the European standards EN 15194 and EN 17404:2019-07 (draft) are referred to as **e-bikes**. A precise description of the e-bike is given in the chapter **"Intended use"**.

The translation of these operating instructions is subject to European law. If delivered to countries outside Europe, supplementary information has to be provided by the bicycle manufacturer.

Technical details in the text and illustrations of this translation of the original operating instructions are subject to change.

Keep this translation of the original operating instructions for future reference and hand it over to the respective user, in case you sell, lend or pass on the e-bike otherwise.

DEAR CANYON CUSTOMER,

In this **Manual E-Bike** we have compiled for you lots of tips on how to use your e-bike, instructions for maintenance and care plus a wealth of things worth knowing on bicycle and e-bike technology. Read this Manual E-Bike thoroughly. You will find it worth your while, even if you have cycled all your life and feel like a veteran with your new bike or e-bike. E-bike technology has developed at a rapid pace during recent years.

To enjoy riding your e-bike and for your own safety, please read the **Manual E-Bike**, the comprehensive world-specific **Canyon bicycle manual** and your model's **Quick Start Guide** and

- carefully follow the assembly instructions and the checklist **"Before every ride"**,
- observe and follow the instructions given in the chapter **"Before your first ride"**,
- read the chapter **"Intended use"** to learn for which types of use your new e-bike is intended and what its **maximum permitted overall weight** is, and
- carry out the minimum functional check before every ride. For more details on how to proceed, read the chapter "**Before every ride**" of this Manual E-Bike. Do not set off unless the functional check was passed one hundred per cent!

You find your comprehensive world-specific Canyon bicycle manual on our website, www.canyon.com. A lot of adjusting, maintenance and repair works are described there in detail. When carrying out these routines, be aware that the instructions and information provided in your Manual E-Bike only refer to this Canyon e-bike and that they do not necessarily apply to other bikes or e-bikes. Due to numerous designs and model changes, it may be that some of the routines are not described in every detail. For this reason strictly observe the manuals of our component suppliers enclosed with the BikeGuard.

Note that the instructions and tips may require further explanation depending on various factors, such as the experience and skills of the person doing the work or the tools being used, and some jobs may require additional (special) tools or measures not described in the manual.

Furthermore, you will find numerous service videos on our website www.canyon.com that will help you carry out small repair and maintenance works. 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 our service hotline.

Note: This Manual E-Bike cannot teach you the skills of a bicycle mechanic. Even a manual as big as an encyclopaedia could not describe every possible combination of e-bike models and components or parts on the market. Therefore, this Manual E-Bike together with the system instructions of the drive system manufacturer and your comprehensive world-specific Canyon bicycle manual focuses on your newly purchased e-bike and standard components and provides the most useful information and warnings. It does, however, not teach you how to fully assemble an e-bike!

This Manual E-Bike cannot teach you how to ride the e-bike. Be aware that riding an e-bike is a potentially dangerous activity, especially on public roads which requires the rider to stay in control of his or her e-bike at all times. Be aware from the moment you set off that you ride at a higher speed. Always keep this fact in mind and ride considerately!

Like any sport, riding an e-bike involves the risk of injury and damage. When you set off on an e-bike should be aware of and accept this risk.

Please note that on an e-bike you have no safety devices around you (e.g. bodywork, ABS, airbag) like you have in a car.

Therefore, always ride carefully and respect the other traffic participants. Never ride under the influence of drugs, medication, alcohol or when you are tired. Do not ride with a second person on your e-bike and never ride without having both hands on the handlebar.

Observe the legal regulations concerning cycling with e-bikes off the roads. These regulations may differ in each country. Respect nature when riding through the forest and in the open countryside. Only use your e-bike on signposted, well maintained trails and hard-surface roads.

Always bear in mind that you travel rapidly and quietly. Do not startle pedestrians or other bike or e-bike cyclists. Always make others aware of your presence well ahead of time and by ringing your bell or make use of the brakes so as to avoid accidents. Familiarize yourself with your e-bike.

Before you set off note: Never ride without a properly adjusted helmet and without glasses and take care to always wear suitable, bright clothing. As a minimum you should wear straight cut trousers and shoes fitting the pedal system.

Your Canyon team wishes you lots of fun with your e-bike!

Editor:
Canyon Bicycles GmbH
Karl-Tesche-Straße 12
D-56073 Koblenz

Service hotline: (+49) 261 9490 3000 (DE)
(+44) 3331501967 (GB)
(+61) 1 300 712 003 (AU)
(+61) 3 9771 1607 (NZ)
Online contact: www.canyon.com/contact

You can find complementary instructions at
www.canyon.com/downloads
(as of September 2021).

Concept, text, photos and graphic design:
Zedler – Institut für Fahrradtechnik
und -Sicherheit GmbH
www.zedler.de
Last update: October 2021, edition 4

This manual does not help you to assemble an e-bike from individual parts or to repair it! Technical details in the text and illustrations of this manual are subject to change.

This translation of the original operating instructions together with the comprehensive world-specific Canyon bicycle manual MTB, Road or Urban complies with the requirements of the standard EN ISO 4210-2, the standard EN 15194 for cycles – Electrically power assisted cycles – EPAC bicycles or, respectively, DIN EN 17404:2019-07 (draft) for EPAC mountain bikes as well as with the Machinery Directive 2006/42/EC.

Keep in mind: During cycling you must not hold onto a moving vehicle or trailer. Keep both hands on the handlebar. Take your feet off the pedals only if required by the condition of the road.

For your own safety, never do any assembly or adjusting work unless you feel absolutely sure about it. If you have questions, use our service hotline or the contact form on our website, www.canyon.com

Visit our website from time to time at www.canyon.com. There you will find the latest news, useful tips as well as the addresses of our distribution partners.

INTENDED USE

To define the intended purposes for the different types of bicycles and e-bikes, we have classified our bikes in different categories. The purpose of this classification is to define the test requirements complying with the respective stress as early as during the development of our bikes. This is to ensure the highest possible level of safety for the use of our bikes.

It is therefore of major importance that the bikes and e-bikes are not used under conditions beyond the intended use, as this bears the risk that the bikes' and e-bikes' maximum load is exceeded and the frame or other components are damaged. This can result in severe crashes.

The **maximum permitted overall weight** should not exceed **130 kg**. If the maximum permitted overall weight of your model is different from this, this is marked on the frame sticker.

The **maximum permitted overall weight** is calculated as follows:

Weight of e-bike (kg)
+ Weight of cyclist (kg)
+ Weight of luggage (e.g. rucksack, pannier bags)
+ Weight of trailer including load, persons and/or animals (kg), only if approved
= Maximum permitted overall weight (kg)

You can find information on the maximum permitted overall weight on the frame sticker of your Canyon e-bike. Strictly observe the category to which your e-bike belongs. You can determine the category of your e-bike by means of the marking on the frame, which uses the following symbols. The category specifies the grounds on which you are allowed to ride and the riding actions your e-bike is designed for.

If you are not sure about the category your e-bike belongs to, contact our service hotline.

Towing child trailers is not allowed in general. Exception: You may use a Croozer trailer with the models Pathlite:ON and Precede:ON. If you are not sure whether you can use a trailer with your Canyon e-bike, please consult our website, www.canyon.com or contact our service hotline.

The e-bikes are not approved in general for mounting child carriers.

Be sure to also read the comprehensive world-specific Canyon bicycle manual as well as the system instructions of the drive system manufacturer.

Bikes of **category 1e** are designed for riding on hard-surface roads where the wheels remain in permanent contact to the ground. These are in general **road racing bicycles** with racing handlebars or straight handlebars, **triathlon or time trial bicycles**. The maximum permitted overall weight (consisting of rider, luggage, bicycle and trailer including load) is specified on the CE marking on your bike.

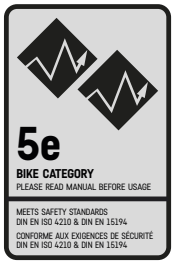
Proven **cyclocross bikes and gravel bikes** with racing handlebars and cantilever or disc brakes are a special case. In addition, these bikes are also suitable for gravel paths and off-road trails where a short loss of tyre contact with the ground due to small stairs or steps at a height of 15 to 20 cm can occur. You can find the e-bike-specific information separately in the CE marking on your bike.

Bikes of **category 2e** are suitable for well-maintained hard-surface roads where the wheels remain in permanent contact to the ground. These bikes are designed for urban mobility and thus mainly for participation in road traffic and use on public and permitted lanes. This category comprises **urban, city and trekking bikes**. The maximum permitted overall weight (consisting of rider, luggage, bicycle and trailer including load) is specified on the CE marking on your bike. You can find the e-bike-specific information separately in the CE marking on your bike.

Bikes of **category 3e** comprise the intended uses of category 1e and 2e bikes, but are additionally suited for rough and unpaved terrains. Sporadic jumps of a maximum height of approx. 60 cm are also included in the field of use of these bicycles. However, inexperienced riders performing jumps of this height may land inappropriately, thus increasing the acting forces significantly, which may result in damage and injuries. This category is represented by **MTB hardtails and full suspension bicycles with short suspension travel**. You can find the e-bike-specific information in the CE marking on your bike.

Category 4e comprises the intended uses of bikes of categories 1e to 3e. In addition, bicycles of this category are suitable for very rough and partly blocked terrain with steep slopes and higher speeds as a result thereof. Regular, moderate jumps by experienced riders are no problem for these bicycles. The regular and long-term use of the bicycles on North Shore trails and in bike parks should, however, be excluded. Due to the higher stresses, these bicycles should be checked for possible damage after every ride. **Full-suspension bikes with medium suspension travel** are typical for this category. You can find the e-bike-specific information in the CE marking on your bike.

The type of use of **category 5e** stands for very challenging, highly blocked and extremely steep terrains, which can only be mastered by well-trained riders with technical skills. Rather high jumps at very high speeds as well as the intensive use of specific, identified bike parks or downhill trails are typical for this category. In the case of these bicycles it must be considered that a thorough check for possible damage is carried out after every ride. If there is a pre-existing damage, even minor stress can result in failure. A regular replacement of safety-relevant components should also be taken into account. Wearing special protectors is strongly recommended. **Full suspension bikes with long suspension travel** as well as dirt bikes are typical for this category. You can find the e-bike-specific information in the CE marking on your bike.



Bikes with carbon seat posts are not approved for mounting pannier racks on the seat post. The only way of riding with luggage is by using a special bicycle backpack.

Keep yourself informed by visiting our always updated website at www.canyon.com. There you will find an illustration visualising the intended use of all Canyon bike models.

You can find more information on carrying luggage on your bike in our comprehensive world-specific Canyon bicycle manual.

EPACs (**E**lectrically **P**ower **A**ssisted **C**ycle**s**), in the UK also referred to as **EAPCs** (**E**lectrically **A**ssisted **P**edal **C**ycle**s**) are bicycles with an auxiliary motor that only switches on when the pedals are moved by the rider. When you stop pedalling, the motor switches off. The **pushing aid** provides assistance when pushing the e-bike or when doing a hill start, even without pedalling, up to a speed of 6 kmh (3.7 mph). The amount of the assistance and the speed depend on the gear.

More details on the legal regulations for riding an electric bicycle in the UK concerning driving licence, registration, type approval, requirement to wear a helmet, insurance, regulations on the use of cycle lanes etc. are listed in the table:

	Electric bicycle (also with pushing aid)
Pedal assistance up to max. km/h (mph)	25 km/h (15.5 mph) MDS[1] without pedal assistance 6 km/h (3.7 mph)
Helmet	recommended
Rear mirror	no
Horn	no
Driving licence	no
Registration or EU type approval	no, however UKCA mark[2] and UKNI mark[2] (North Ireland) and/or CE mark (until 2021/12)
Insurance mark	no
Cycle lane use permitted	within city limits: yes outside city limits: yes
Use of forest trails	permitted
Vehicle class	bicycle
Legal age	14 years
Child seat	not permitted for Canyon
Child trailer	not permitted for Canyon (exception: Croozer trailers on models Pathlite:ON and Precede:ON)

[1] MDS – maximum design speed
[2] UKCA (UK conformity assessed) plus UKNI where North Ireland is involved

Last update 2021/10

For more information on the intended use of your e-bike and the maximum permitted overall weight (rider, luggage, bicycle and trailer including load), read the chapter **"Before your first ride"** and visit our website, www.canyon.com

Do not modify or manipulate ("tune") your e-bike. **Risk of accident!** Modifications and manipulations will render the warranty void and result in a loss of the private liability insurance cover. The e-bikes are then possibly no longer approved for use on public roads and on forest trails.

The regulations and rules for e-bikes are being revised constantly. Read the daily press to keep you informed about current legislative changes.

We recommend that you take out private liability insurance. Make sure that coverage for damage caused during cycling by bicycle or e-bike is provided by your insurance. Contact your insurance company or agency.

BEFORE YOUR FIRST RIDE

1. **Have you ever ridden an e-bike?** Note the particular riding characteristics of this revolutionary hybrid drive concept. Set off for your first ride by selecting the lowest level of drive assistance! Make yourself carefully familiar with the potential of your e-bike in an area free of traffic and try out the terrain you want to ride on. Attend a riding technique course. For more information visit www.canyon.com

   More information in this regard is given in the chapter **"Riding the e-bike"**.

2. Our e-bikes are usually designed for a specific **maximum permitted overall weight**. The permitted overall weight is specified in the CE marking on your bike. Make sure not to exceed this limit.

   For more information on the intended use read the chapter **"Intended use"** or contact our service hotline.

3. **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 e-bike are, therefore, not necessarily complete. Inform yourself about the laws and regulations applicable in your country or in the country you intend to use the e-bike. Have your e-bike equipped accordingly before using it on public roads.

The weight distribution on e-bikes differs markedly from the weight distribution on bicycles without drive assistance. An e-bike is clearly heavier than a bicycle without drive assistance. For this reason parking, pushing, lifting and carrying the e-bike is more difficult. Bear this in mind when loading your e-bike into a car and unloading it or when mounting it on a bicycle carrier system.

Do not hang any bags, umbrellas or other heavy or big objects to the handlebar of your e-bike. **Risk of a fall!**

Do not wear long skirts or ponchos and do not hang long strings, bands or the like to your e-bike during the ride. There is the risk of getting caught in the wheels or in the drive system. **Risk of a fall!**

4. **The rechargeable battery of your e-bike must be charged before you set off for the first time.** Are you familiar with the handling and mounting of the rechargeable battery? Before you set off for the first time, check whether the battery is fully charged, properly mounted, that it has engaged audibly or that it is locked.

   For more information see the system instructions of the drive system manufacturer and the Quick Start Guide.

5. **The functions of your e-bike are operated with the buttons of the control unit on the handlebar or with the remote switch on the frame (down tube or top tube).** Are you familiar with all functions and displays? Check whether you know the functions of all buttons. For more information see the system instructions of the drive system manufacturer.

We recommend that you charge your battery during the day and only in dry rooms which have a smoke or a fire detector, but keep it out of your bedroom. Place the battery during the charging process on a big, non-inflammable plate made of ceramics or glass!

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!

Do not park the e-bike in the blazing sun.

Strictly observe the category to which your e-bike belongs. The category can be identified by the frame marking. The category specifies the grounds on which you are allowed to ride and the riding actions for which your e-bike is designed. The category is given in the chapter **"Intended use"**. If you are not sure about the category your bike belongs to, contact our service hotline.

Note that the rechargeable battery switches into the sleep mode after a few days of non-use. If you want to know how to awake the battery, read system instructions of the drive system manufacturer.

6. **Are you familiar with the brake system?** Our e-bikes are normally delivered with the left brake lever operating the front brake. Check whether the lever of the front brake is in the position you are used to. If it is not, you will need to train to get used to the new configuration, as inadvertent use of the front brake can throw you off your bike. Have the lever-to-brake assignment changed by an expert, if necessary. Make sure that the lever-to-brake assignment is the same across all your bikes.

   Your new e-bike is equipped with modern brakes which may be far more powerful than those you were used to so far. Be sure to first practise using the brakes off public roads! Do approach the maximum possible deceleration gradually. For more details on brakes read the chapter **"The brake system"** in your comprehensive world-specific Canyon bicycle manual.

7. **Are you familiar with the type and functioning of the gears?** If not, make yourself familiar with the gears in a place clear of traffic. Make sure not to pedal with too much force when shifting. For more details on gears, read the chapter **"The gears"** in your comprehensive world-specific Canyon bicycle manual.

Pull the brake lever of the rear brake and stop pedalling. The e-bike stops. **Emergency stop!** Stopping within the shortest possible distance requires controlled braking with both brakes.

Be aware that the brakes of your e-bike are always more effective than the drive. If you face any problems with your drive (e.g. because it pushes you forward before a turn), slow down your e-bike carefully.

Note that the brake lever setup may vary from country to country! Check which brake lever acts on which brake. If it does not comply with your habits, we recommend that you ask an expert to change the brake lever setup!

8. **Does the frame size fit, are saddle and handlebar properly adjusted?** Stand over the top tube of your e-bike and check whether there is enough clearance between the top tube and your crotch (at least one handbreadth). 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. Riding with too big a frame may cause injuries, when getting off the bike quickly! For more information on the saddle position read the chapter **"Adjusting the Canyon bike to the rider"** in your comprehensive world-specific Canyon bicycle manual.

9. **Have you ever tried clipless or step-in pedals and the shoes they go with?** Before setting off with clipless pedals for the first time, carefully practise locking one shoe onto a pedal and disengaging it while the bike is stationary. Lean against a wall when practising so that you do not topple over. Adjust the locking and release mechanism, if necessary. Be sure to read the chapter **"The pedal systems"** in your comprehensive world-specific Canyon bicycle manual at www.canyon.com/downloads (as of September 2021) first.

Electric road bikes and electric gravel bikes may only be used with clipless/step-in pedals. Flat or platform pedals or dual pedals (clipless on one side, platform on the other side) may not be used.

When mounting your e-bike, make sure not to step in the pedals until you sit in the saddle and grip the handlebar tight and that one pedal is at the lowest position when you get on. The motor assistance might switch on suddenly and result in an uncontrolled start of your e-bike. **Risk of a fall!**

A lack of practice with or a too tight disengaging mechanism of clipless pedals may result in problems of unclipping from the pedals! **Risk of a fall!**

In particular, make sure there is enough clearance between crotch and top tube so you cannot hurt yourself when you have to get off quickly.

10. **If you bought an e-bike with suspension, you should check the air pressure of the suspension fork and the rear shock.** If necessary, use the pump included in the BikeGuard for the adjustment. Improperly adjusted suspension forks and rear shocks are liable to malfunction or damage. This will in any case impair the riding behaviour as well as your safety whilst riding. For more information read the chapters **"The suspension fork"** and **"Full-suspension"** in your comprehensive world-specific Canyon bicycle manual.

11. **Are parts of your e-bike made of carbon?** Note that this material requires special care and careful use. Read in any case the chapter **"Special characteristics of carbon"** in your comprehensive world-specific Canyon bicycle manual.

Note that in wet conditions the brake performance is less effective and the tyre grip reduced. Look well ahead when riding on wet ground and ride clearly slower than in dry conditions.

Our e-bikes are high-end sports equipment, representing lightweight construction as pinnacle of engineering. Also be a professional when it comes to handling of the material. Misuse, unprofessional assembly or insufficient maintenance can render the e-bike unsafe. **Risk of accident!**

Be aware that the distance you need to stop your e-bike may increase when you are riding with your hands on bar ends. The brake levers are not in all gripping positions within easy reach.

The weight distribution on e-bikes differs markedly from the weight distribution on bicycles without drive assistance. An e-bike is clearly heavier than a bicycle without drive assistance. For this reason parking, pushing, lifting and carrying the e-bike is more difficult. Bear this in mind when loading your e-bike into a car and unloading it or when mounting it on a bicycle carrier system.

Note that not all e-bikes are equipped with kickstands. Therefore, when parking your e-bike, make sure it stands safe and secure and is not at risk of toppling over or being knocked over. If your e-bike topples over, it can suffer from damage.

Check with your insurers that the e-bike as well as storage and charging of lithium-ion batteries are covered by your household and fire insurance. Read the daily press to keep yourself informed about current legislative changes.

BEFORE EVERY RIDE

During production your e-bike was checked repeatedly and subjected to a final check.
Nevertheless, be sure to **check the following points before every ride** to exclude any malfunctioning that may be due to the transport of your e-bike or to modifications a third person may have performed on your e-bike during a standing time:

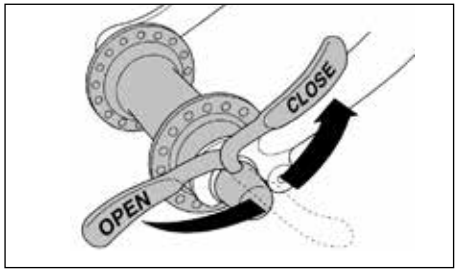
1. **Are the quick-release levers/thru axles of the front and rear wheel, seat post and other components as well as of available thru axles properly closed?** For more information read the chapter **"How to use quick-releases and thru axles"** in your comprehensive world-specific Canyon bicycle manual.

2. **Are the connections of the rechargeable battery, the control unit on the handlebar and the drive properly plugged?** For more information see the system instructions of the drive system manufacturer.

3. **Is your battery fully charged?** Remember to fully recharge the battery after each longer ride (e.g. less than 50 % charged). Modern lithium-ion batteries have no memory effect. It does not matter, though, if your e-bike is left as it is for a short time (e.g. overnight) when less than 50 % charged. However, you should not wait until the battery is fully discharged!

   For more information see the system instructions of the drive system manufacturer.

⚠ Remove the rechargeable battery or the display before doing any work on your e-bike (e.g. servicing, repairs, assembly, maintenance, work on your drive etc.). Activating the drive systems unintentionally bears the **risk of injury!**



⚠ Improperly closed quick-releases, thru axles and attachments can cause e-bike components to come loose. **Risk of a fall!**

4. **Does the display on the control unit on the handlebar show all values?** Is there any error message or warning on the display? Check the values are correct before every ride. Do not set off on your e-bike when the control unit shows a warning.

   For more information see the system instructions of the drive system manufacturer.

5. **Is the battery tight in its holder and properly locked up?** Never set off with a loose and unlocked battery.

   For more information see further below in this translation of the instructions, the Quick Start Guide and potentially the system instructions of the drive system manufacturer.

6. **Are the tyres in good condition and do both tyres have sufficient pressure?** Note that an e-bike weighs heavier and that your usual tyre pressure may be insufficient. A higher pressure gives a better riding stability and reduces the risk of a puncture. The minimum and maximum pressure (in bar or psi) is indicated on the tyre side.

   Spin the wheels to check whether the rims are true. Also look out for tyres with ruptured sides or broken axles or spokes while you do this.

   For more information read the chapter **"The wheels – tyres, inner tubes and air pressure"** in your comprehensive world-specific Canyon bicycle manual.

⚠ Remove the display, if possible, when parking the e-bike. This is to protect the e-bike against theft; in addition, it cannot be used with drive assistance ad hoc.

7. **Test the brakes while standing by firmly pulling brake levers towards the handlebar.** A pressure point should be reached after the lever has only travelled a short distance; the lever must, however, not touch the handlebar! If your bike has hydraulic brakes, check the hydraulic brake cables for oil leaks. For more information read the chapter **"The brake system"** in your comprehensive world-specific Canyon bicycle manual.

8. **Let your e-bike bounce on the ground from a small height.** If there is any rattling, check where it comes from. Check the bearings, the bolts and the proper seat of the battery, if necessary.

9. **If you want to ride on public roads, make sure your e-bike 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.

   For riding on public roads your e-bike must be equipped with the prescribed reflectors and for riding in the dark a permissible lighting system. Turn on the lights as soon as dusk sets in.

   For more information read the chapter **"Legal requirements"** in your comprehensive world-specific Canyon bicycle manual.

⚠ To protect your e-bike from damage, observe the maximum permitted overall weight and the regulations regarding the transport of luggage in the chapter **"Intended use"**. Furthermore, we recommend reading the chapter **"Transport of the e-bike"** before transporting your e-bike by car or plane.

10. If you have an e-bike with suspension, check it as follows: Press down on your e-bike and see whether the suspension elements retract and extend as usual.

    For more information read the chapters **"The suspension fork"** and **"Full-suspension"** in your comprehensive world-specific Canyon bicycle manual.

11. The major accessory for a successful cycling tour is a small tool bag fitted underneath the saddle. The tool kit should include two plastic tyre levers, the most commonly used Allen keys, a spare tube, a tyre repair kit, a rag and a little cash. Do not forget a tyre pump mounted to the frame, and your mobile phone.

12. If your bike has a kickstand, make sure it is fully raised before you set off. **Risk of a fall!**

13. Take a sturdy folding, chain or D-lock with you if you want to park your e-bike. The only way to protect the e-bike against theft is to lock it to an immovable object.

⚠ Do not use your e-bike if it fails on one of these points! Riding a defective e-bike can result in serious accidents! If you are in doubt or if you have any questions, contact our service hotline or use the contact form on our website www.canyon.com

⚠ The drive system is free of vibrations. During use your e-bike is undergoing stress resulting from the surface of the road and through the rider's action. Due to these dynamic loads, the different components are affected by wear and fatigue. Check your e-bike regularly for wear marks as well as for scratches, dents, bent parts and incipient cracking. Components that have reached the end of their service life may fail suddenly without previous warning. Have your e-bike inspected regularly so that components in question can be replaced, if necessary. For more information on maintenance and operational safety read the chapters **"General notes on care and inspection"**, **"Recommended tightening torques"** and **"Service and maintenance schedule"** in your comprehensive world-specific Canyon bicycle manual.

NOTES ON THE ASSEMBLY FROM THE BIKEGUARD

The assembly from the BikeGuard is no witchcraft, but you should proceed with care and deliberation. Unprofessional assembly can render the e-bike unsafe.

First we would like to make you familiar with the components of your e-bike.

Unfold the front cover of your Manual E-Bike. Here you will find the illustration of an e-bike showing all the essential components. Keep this page folded out while you are reading. This means that you can quickly find the component that is being referred to in the text.

The illustration shows an arbitrary e-bike – this is not what every e-bike will look like.

For more detailed information on the assembly of your Canyon e-bike, also see the **Quick Start Guide**.

Do not work on the bike itself with a box cutter. You may damage the component or hurt yourself. Be sure to use scissors where needed.

When using a suitable workstand clamp your e-bike only at the seat post or with a suspension device at the saddle and handlebar.

GENERAL INFORMATION ON E-BIKE ASSEMBLY

Your e-bike was completely assembled and adjusted at the factory. The e-bike is fully functional without any further adjustments after completion of the assembly steps explained further below. After carrying out assembly work, always do a test ride in an unfrequented place or on a quiet road.

The **Quick Start Guide** contains only a brief description of the assembly. If you are neither skilled nor experienced in this kind of work, read the following pages and the more detailed chapters in your comprehensive world-specific Canyon bicycle manual; also observe the instructions of the component manufacturers on their respective websites or at www.canyon.com

Before your first ride, carry out the checks described in the chapter **"Before every ride"**.

It is best to use a workstand expressly suitable for e-bikes or to ask a helper to hold your e-bike while you assemble it.

Do not clamp carbon frames or seat posts in the holding jaws of a workstand! This could damage the frame or the seat post. Mount a sturdy (aluminium) seat post instead and use this to clamp the frame, or use an assembly workstand that holds the frame at three points inside the frame triangle or clamps the fork and bottom bracket shell.

USING THE CANYON TORQUE WRENCH

At Canyon we regard the use of a torque wrench as essential to ensure that two parts can be fixed together securely and safely.

Put the matching bit into the holder of the Canyon torque wrench.

Insert the Allen key fully into the bolt head.

Exceeding the maximum torque value at the clamping bolts (e.g. at the stem, seat post or seat post clamp) leads to an excessively high clamping force. This can cause the component to fail and hence there is a high associated risk of accidents. In addition, the product guarantee would be null and void in such a case. Too loose or overtightened screws or bolts can cause a failure and hence lead to an accident. Always observe strictly the torque values indicated by Canyon.

Slowly turn the handle of the Canyon torque wrench. When the bolt is tightened, the pointer moves over the scale. Stop the turning movement as soon as the pointer reaches the marking of the prescribed torque value.

Assemble your Canyon by using the Canyon torque wrench enclosed with the BikeGuard.

USING THE CANYON ASSEMBLY PASTE

Lightweight components made of carbon or aluminium are particularly susceptible to damage caused by excessive clamping force. Canyon assembly paste creates extra friction between two surfaces, allowing the necessary torque value to be reduced by up to 30 %.

This is especially useful in the clamping areas of handlebars and stem, steerer tube and stem and seat post and seat tube, i.e. three areas where too much clamping force can damage either component, causing component failure or voiding the warranty.

By reducing the clamping force, Canyon assembly paste prevents the possible destruction of carbon fibres or of thin-walled components made of aluminium. or the cracking of the carbon substructure.

It also retains its effectiveness in wet conditions and provides maximum protection against corrosion. Canyon assembly paste can be used for all carbon and aluminium connections. It's ideal for this purpose, as it does not harden.

Prior to applying Canyon assembly paste, remove dirt particles and lubricant residues from the surfaces to be treated. Apply a thin and even film of Canyon assembly paste to the cleaned surfaces using a brush or a chamois.

Mount the components, as specified.

Use the Canyon torque wrench and never exceed the prescribed maximum torque value.

Remove excessive Canyon assembly paste and reseal the small sachet after use.

Make it a rule to use assembly paste on seat posts to achieve a firm seat of the seat posts. Changing the height of the seat post in the frame often leads to a scratching of the surface. This is normal wear and no reason for complaint. In the case of height-adjustable seat posts scratching is not an issue.

REMOVING AND INSTALLING THE BATTERY

INTEGRATED BATTERY – REMOVAL

Switch off the system via the on/off button at the display (Bosch), the remote switch on the top tube (Shimano) or the power button on the battery (Fazua).

You can now fully unlock the battery by pressing the button on the top of the battery or on the frame (Fazua).

Hold the battery with one hand to prevent it from falling out.

Unlock the battery with the key by turning the key anticlockwise.

Keep your grip on the battery.

Carefully tilt the battery downward and take it out of the bottom holder in the down tube.

In some models (e.g. Precede:ON), the battery is removed by moving it upward. However, the process is essentially the same.

INTEGRATED BATTERY – INSTALLATION

Carefully place the battery at the bottom holder in the down tube, i.e. in the area of the contacts.

Tilt the battery toward the down tube and push it into the holder at the top until you hear it click in.

EXTERNAL BATTERY – REMOVAL

Switch off the system.

Use the key to unlock the battery.

Carefully tilt the battery away from the down tube and take it out of the bottom holder.

EXTERNAL BATTERY – INSTALLATION

Carefully place the battery in the bottom holder on the down tube. Tilt the battery toward the down tube and push it into the holder at the top until you hear it click in.

SPECIAL FEATURES BATTERY MODEL SPECTRAL:ON

Spectral:ON Battery – Charging

To charge the battery of your Canyon Spectral:ON when it is installed, open the cover first by reaching with two fingers into the recess and pulling.

The magnetic connector unplugs from the battery and can be folded down carefully.

There is a charger with 4 amps charging current and a bigger one with 6 amps charging current for your Canyon Spectral:ON.

The magnetic connection between your battery and the power supply is a magnetic connection system and may attract magnetic particles. Therefore, do not store the charger in an area with small metal parts. Therefore, always make sure that the magnetic connection is free from dirt and other foreign bodies.

The battery of your Canyon Spectral:ON can be charged when the battery is either installed (with the cover open) or removed.

If you want to charge your battery when removed, proceed as described in the following.

The battery of your Canyon Spectral:ON can be charged when the battery is either installed or removed. Before charging the battery, read the chapter "**Proper handling of the rechargeable battery**".

Spectral:ON Battery – Removal

To removed and install the battery position your Canyon Spectral:ON upside down.

Switch off the system with the On/Off button on the down tube.

Make sure that the dropper post is extended.

Activate the rear wheel brake and lift the front wheel of your Canyon Spectral:ON.

Bring both the handlebar and the wheel in a semi-circular movement to the rear and carefully go behind your Canyon Spectral:ON.

Move the handlebar towards the ground until the saddle touches the ground completely.

Do not position other Canyon bicycle and e-bike models upside down. Turning them upside down may damage the add-on parts, in particular on the handlebar.

Release the brake and take hold of the front wheel at the now topmost point. Stand next to your Canyon Spectral:ON on the opposite side of the chain drive. This will help you to avoid coming into contact with the chain and the chainrings during the work. Carefully let the handlebar down on the ground.

Make sure that the ground where you position your Canyon Spectral:ON upside down is clean and level. Otherwise the Canyon Spectral:ON could fall to the side, sustain damage or fall on you.

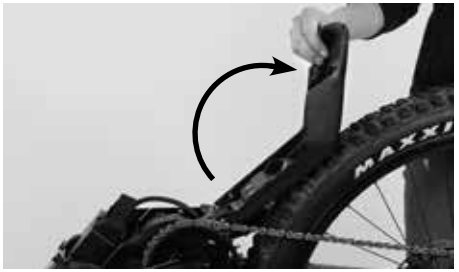
The weight of your Canyon Spectral:ON differs clearly from the weight of bicycles without electric drive. The Canyon Spectral:ON is clearly heavier than a bicycle without electric drive. For this reason parking, pushing, lifting and turning the Canyon Spectral:ON is more difficult.

If the ground is dirty or rough, place a blanket or cardboard, e.g. from your BikeGuard, under the handlebar and the saddle to protect your Canyon Spectral:ON.

Put your right hand on the cover of the motor or battery and pull the rubber lug in the cover with your left hand. Pull the rubber lug forward until the pins detach from the holder.

Reach with two fingers of one hand into the recess of the cover and with two fingers of the other hand into the recess of the rubber lug.

Start by lifting the cover a little and pull the cover then diagonally upwards in extension of the down tube.



Unfold the cover to the rear and place it down on the rear wheel.

Unplug the connector between battery and motor.

Make sure not to accidentally damage the unplugged magnetic connector by turning the crank or the pedals. Keep in mind that the crank will turn when pushing back.

During installation and removal of the battery there is a risk of your fingers being crushed. Therefore, be careful with every step you take.

The magnetic connection between your battery and the power supply is a magnetic connection system and may attract magnetic particles. Therefore, do not store the charger in an area with small metal parts. Therefore, always make sure that the magnetic connection is free from dirt and other foreign bodies.

Loosen the two bolts fixing the battery to the down tube by using a 5 mm Allen key or the Canyon torque wrench supplied with the small box and remove these bolts completely.

Fix the two loosened bolts to the two magnetic holding areas on the inside of the cover. Make sure that the area around the holding area is free from dirt.

Stabilise your Canyon Spectral:ON with one hand at the down tube and take hold of the battery strap with the other hand. Remove the battery carefully from the down tube.

Spectral:ON Battery – Installation

During installation of the battery make sure that the retaining lug and the threads for the two bolts are facing upwards to the front.

Slide the battery into the tube until the retaining lug engages with the suitable groove in the down tube and the threads are in line with the respective holes. An obliquely positioned bolt can damage the thread.

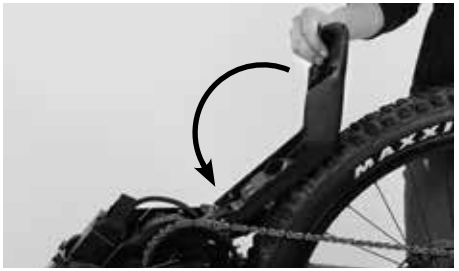
Hold the battery at the strap and insert the battery carefully into the down tube of the frame.

Remove the two bolts one after the other from the magnetic holding area. Make sure that the threads and the bolts are clean. Position the bolts with your fingers. Screw in both bolts one after the other by a few turns clockwise.

Use the Canyon torque wrench subsequently and tighten the fixing bolt to the specified torque value of 8 Nm.

Connect the battery and the motor with the magnetic connector. Make sure that the magnetic connection is always free from dirt and other foreign bodies.

The magnetic connection between your battery and the power supply is a magnetic connection system and may attract magnetic particles. Therefore, always make sure that the magnetic connection is free from dirt and other foreign bodies.



Fold the cover to the front. Make sure that you do not crush the cable of the magnetic connector.

Fold the cover carefully on the down tube diagonally downwards. Make sure that the two grooves in the cover slide over the previously mounted bolts.

Apply a little pressure on the rear part of the cover to ensure that the connections engage properly. Close the rubber lug by pulling it to the front. Bring the rubber lug downwards and let the pins of the rubber lug engage with the holder.

Turn your Canyon Spectral:ON subsequently round by proceeding in reverse order to turning it upside down.

Be careful when turning the Canyon Spectral:ON round. Due to the heavier weight the e-MTB is at risk of tipping over easily and hurting you or persons standing around. If you are not sure, ask a second person to help you.

CHECKING AND TROUBLESHOOTING THE BATTERY OF THE MODEL SPECTRAL:ON

If you want to check the battery's state of charge of your Spectral:ON, unplug the magnetic connector between battery and motor. The battery's LED indicator becomes visible.

When installed press the On/Off button on the down tube.

When removed press the On/Off button on the upper side of the battery.

LED indicator	State of charge
● ● ● ● ●	100–80 %
● ● ● ● ○	79–60 %
● ● ● ○ ○	59–40 %
● ● ○ ○ ○	39–20 %
● ○ ○ ○ ○	19–5 %
◌ ○ ○ ○ ○	4–0 %

● LED permanently on
○ LED off
◌ LED flashes (twice per second)

The LED indicator lights up and indicates the battery's current state of charge.

Run the battery completely empty about every three months and fully recharge the battery. This calibrates the electronics and the LED indicator and also makes the range indicator on the display more precise.

In case of a malfunction you can see from the LED indicator and the table below what measures you need to take to solve the problem.

LED indicator and cause	Recommended measures
○ ◌ ○ ○ ○ Battery is empty and the low voltage protection is activated	Charge the battery
○ ○ ◌ ○ ○ Over or low temperature protection is activated	Bring the battery to a temperature between 5 °C and 40 °C
○ ○ ○ ◌ ○ Short-circuit protection is activated	Remove the object that has caused the short-circuit from the battery and wait 30 seconds
○ ○ ○ ○ ◌ Failure or safety protection is activated	Stop the charging process and contact our service hotline
● ● ● ● ● After a long period of use of the battery, the LED indicator flashes for 10 seconds at the beginning of the charging process	Contact our service hotline or use the contact form on our website www.canyon.com

○ LED off
◌ LED flashes (twice per second)
● LED flashes (once per second)

Follow the instructions in the chapter **"Proper handling of the rechargeable battery"** and also observe the system instructions of the drive system manufacturer at www.canyon.com

If the LED indicator on the battery does not indicate a function, you find a number of measures in the table below to eliminate the cause of error.

No LED indicator on the battery – Cause	Recommended measures
Plug is disconnected	Check plug connections
Battery contacts dirty	Carefully clean battery contacts
Battery, charger or cable defective	Contact our service hotline or use the contact form on our website www.canyon.com

For more information see the system instructions of the drive system manufacturer at www.canyon.com/downloads

CARBON-COCKPIT CP12

Some Spectral:ON model variants have a very lightweight Carbon-Cockpit CP12.

Prior to setting the Spectral:ON into operation the Carbon-Cockpit CP12 has to be mounted as described in the following steps.

Loosen the adjusting bolt (Ahead bolt) and unscrew it together with the top cap.

Apply Canyon assembly paste on the visible area of the fork steerer tube and inside the stem clamp. Spread the friction increasing paste thinly and evenly.

Position the Carbon-Cockpit CP12 carefully on the fork steerer tube. Make sure that you do not crush or damage the brake and gear cables.

The stem should slide easily on the fork steerer tube. If it does not, open the clamping bolts by two to three turns without unscrewing them, however, entirely.

Position the adjusting bolt (Ahead bolt) together with the top cap on the stem. Screw the adjusting bolt the first two to three turns with your fingers into the thread.

Take the Canyon torque wrench and tighten the bolt to a maximum torque of 2 Nm.

CHECKING AND READJUSTING THE HEADSET

Check the play by lifting the front wheel a little off the ground and by letting it fall. If there is play in the bearing, you will hear a rattling noise in this area.

Check the headset for smooth operation by lifting the front wheel and checking that it can be moved smoothly. When lifted the front wheel must rotate from the centre position after lightly tapping on it.

Align the Carbon-Cockpit CP12 straight so that the stem is in the direction of motion. Check the alignment of stem and handlebar with the front wheel.

Tighten the lateral stem clamping bolts to the specified torque value of 9 Nm. Use the Canyon torque wrench.

Apply the torque value alternately at the top and bottom and at least twice each time.

Do not exceed the maximum torque value specified!

Insert the thin, loose cable into the free plug-in position on the display. Choose the closest plug-in position to the mount.

Press the cable in by using the cylindrical mount of the special tool (Shimano Tool TL-EW300 plug tool) until it engages with a clearly audible "click".

You find more information on the ergonomics of the cockpit and the respective adjustment as well as on the adjustment of the brake lever reach in the chapters **"Adjusting the Canyon bike to the rider"** and **"Adjusting the brake lever reach"** in your comprehensive world-specific Canyon bicycle manual.

Your Spectral:ON is not yet ready-for-use. Check the headset as described in the chapter **"The headset"** in your comprehensive world-specific Canyon bicycle manual. If necessary, carry out the final adjustment and fixing of the handlebar, as described in the chapters **"Adjusting the Canyon bike to the rider"** and **"The headset"** in your comprehensive world-specific Canyon bicycle manual.

HANDLEBAR STOP

Your Canyon Spectral:ON is equipped with the Acros Blocklock handlebar stop.

This handlebar stop, also referred to as Impact Protection Unit (IPU), prevents the handlebar or its equipment from colliding with the top tube by limiting the possible handlebar range to +/- 120 degrees.

The IPU is underneath the lower headset and not visible from the outside when the fork is mounted.

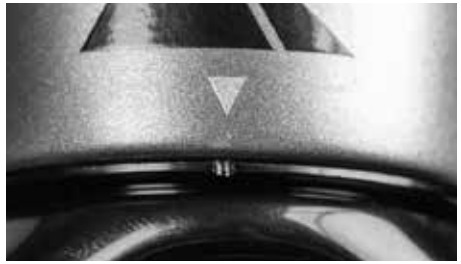
Special features IPU – After an accident

After an accident check the correct alignment of the IPU by turning the handlebar from far left to far right and vice versa.

If the handlebar stop is not symmetrical or if it deviates from the 120 degrees per side, check that the arrow at the front of the head tube and the groove of the IPU are perfectly aligned on top of one another.

If they are not, contact our service hotline or use our contact form on our website www.canyon.com

IMPACT PROTECTION UNIT (IPU)



Correct alignment of IPU – arrow and groove on top of one another

The replacement requires a certain amount of experience and must be performed by Canyon. Contact our service hotline or use the contact form on our website www.canyon.com

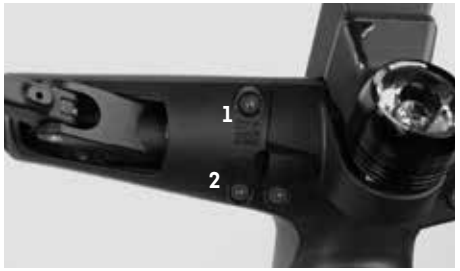
Riding without handlebar stop can make the handlebar or the handlebar equipment collide with the top tube. The frame can sustain damage.

ADJUSTING THE INTEGRATED BRAKE LEVERS

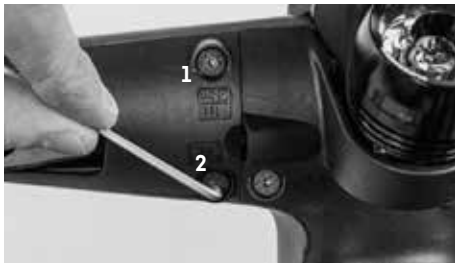
The **Precede:ON** allows to adjust the tilt and position of the brake levers to the needs of the rider.

To change the tilt and/or position of the brake levers, first slightly pull back the respective brake lever cover.

These covers are located on the underside of the handlebar.



The screws are marked "1st" **(1)** and "2nd" **(2)**.



Undo the screw marked "2nd" **(2)** on the respective brake lever with a 3 mm Allen key. Be careful not to undo both screws fully, as otherwise the cover and the brake lever itself would come off the handlebar.

You can now move the brake lever slightly up or down. At the same time, you can also move the brake lever slightly outward toward the handlebar grip or inward toward the centre of the handlebar.

After adjusting the brake lever to the desired position, retighten the screw marked "2nd" **(2)** to 2 Nm torque. Now check both screws for tight seat. Use a torque wrench and do not exceed the torque values specified by Canyon.

For more information read the chapter **"Adjusting the Urban bike to the rider"** in your Canyon bicycle manual Urban Bike.

Some e-bike models are equipped with "ergon"-brand GA3 grips. For more information on these grips see your Canyon bicycle manual Urban Bike.

For general information on adjusting brake levers, read the chapter **"Shifter and brake lever adjustment"** in your comprehensive world-specific Canyon bicycle manual.

For more information on adjusting the reach of the brake levers read the chapter **"Adjusting the brake lever reach"** in your comprehensive world-specific Canyon bicycle manual.

SEAT CLAMPING – PRECEDE:ON

To adjust the height of the seat post and thus the seat height for the rider on the Precede:ON proceed as follows.

First push up the rubber cover.

Undo the Allen bolt on the clamping mechanism (at the back of the seat tube), which clamps the seat post tight in the seat tube, anticlockwise by one turn. Do not undo the screw fully as it is an essential part of the clamping system.

The clamping mechanism consists of two parts which are held in place by a small screw at the back of the clamping mechanism. This screw cannot be seen from the outside, i.e. when installed. The screw was adjusted at the factory and may neither be (partially or fully) removed nor modified.

You can now adjust the height of the seat post. If the seat post does not move, undo the screw a bit further. In some cases it may be necessary to cautiously tap the saddle toward the front or back along the longitudinal axis to help the seat post and the clamping mechanism come loose. Take care to observe the minimum and maximum markings printed onto the post.

For more information read the chapter **"Adjusting the saddle to the correct height"** in your comprehensive world-specific Canyon bicycle manual.

Once you have adjusted the saddle to the correct height, tighten the Allen bolt on the clamping mechanism to 7 to 8 Nm torque. Use a torque wrench. Finally, push the rubber cover back over the clamping mechanism until the clamping mechanism is fully covered.

Tighten carefully by approaching the prescribed maximum torque value in small steps (0.5 Nm increments) while checking the proper seat of the component in between. Never exceed the maximum torque value indicated by Canyon!

GEAR SYSTEM ENVIOLO AUTOMATiQ

The enviolo AUTOMATiQ gear system is an automatic continuously variable gear system without discrete gear steps.

In Automatic mode, a software automatically adjusts the gear ratio to the rider's desired pedalling cadence. This means you are no longer required to change gears but can simply set your ideal cadence.

The gear system automatically adapts the gear ratio in such a way that the defined cadence is maintained, no matter the topography, traffic situation, weight of the luggage, etc.

For instance, the gear system will recognize reductions in speed or pedalling cadence when approaching a red light and adapt the gear ratio accordingly. This means you are able to start up again in a suitably smaller gear.

The cadence should be above 60 crank revolutions per minute; riders of road bikes typically even reach 100 revolutions or more.

The cadence is set directly at the Bosch display.

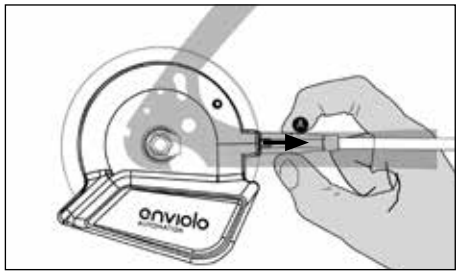
At the KIOX display by Bosch, keep the Info button pressed to directly access the menu for setting the pedal cadence.

The enviolo AUTOMATiQ system can be configured and diagnosed with the enviolo AUTOMATiQ app. You find more information in the operating instructions of the gear manufacturer. Alternatively, use our service hotline or the contact form on our website, www.canyon.com

Remove the rechargeable battery or the display before doing any work on your Canyon e-bike (e.g. servicing, repairs, assembly, maintenance, work on your drive etc.). Activating the drive system unintentionally bears the **risk of injury!**

REMOVING THE REAR WHEEL

Switch off the drive system of your Canyon e-bike and remove the battery or both batteries from the frame.

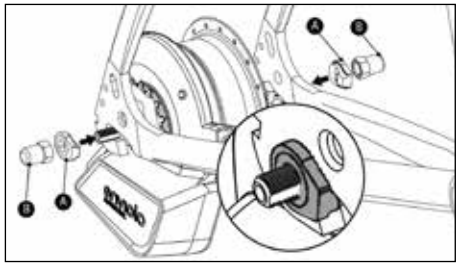


To take out the rear wheel, first undo the plug connection on the hub interface of the enviolo AUTOMATiQ gear system.

⚠ Never grab the cable to unplug the connection; always pull on the ribbed surface of the connection/plug.

⚠ In drive mode, the connection carries electric current. Protect the connection against water and other conductive elements while it is unplugged.

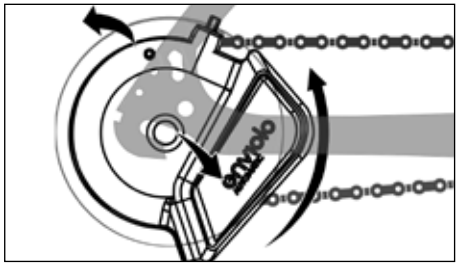
Undo the axle nut(s) with the installed Croozer adapter anticlockwise using an open-end spanner or ring spanner. In most cases, completely removing the axle nuts is not required; it is usually sufficient to undo them by three to five turns.



Push the lockwashers on the axle outward so that the retaining lugs on both sides no longer interlock with the dropouts.

⚠ If you completely remove the axle nuts and the lockwashers from the axle, make a note of the installation position for subsequent reinstallation.

⚠ Take great care not to bend or twist the existing drive belt.



With some models, it is necessary to turn the hub interface of the enviolo AUTOMATiQ gear system upward to be able to unhook the belt.

The belt must be fully slack before you can remove it carefully and without bending from the rear belt wheel. It must be possible to remove the belt with only little effort.

Now you can guide the rear wheel out of the frame's dropouts.

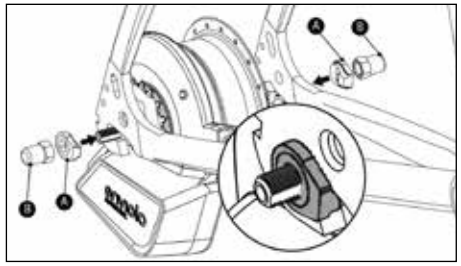
For more information on removing the rear wheel read the chapter **"The wheels – tyres, inner tubes and air pressure"** in your comprehensive world-specific Canyon bicycle manual.

MOUNTING THE REAR WHEEL

Carefully place the belt on the rear belt wheel with your hand. Take care not to bend or twist the belt.

Place the rear wheel in the frame. While doing so, take care not to pinch the gear cables. Ensure that the brake pads sit properly in the callipers and that the rotor sits between the brake pads.

For more information on mounting the rear wheel read the chapter **"The wheels – tyres, inner tubes and air pressure"** in your comprehensive world-specific Canyon bicycle manual.

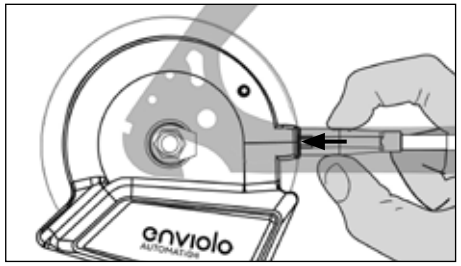


Slide a lockwasher onto each of the two axle arms. The indented side of the lockwasher must point toward the rear triangle. The rectangular retaining lug needs to interlock with the rear fork dropout.

Tighten the axle nuts to 30–40 Nm torque.

⚠ If the lockwasher is not installed correctly, this can result in damage to the rear triangle and to the hub. Exceeding the specified tightening torque could damage the components, while not tightening the components sufficiently means that the axle could slide within the rear fork dropout.

⚠ For disk brakes, actuate the brake levers several times after mounting the wheel. An exact pressure point should be reached.



Close the plug connection on the hub interface.

Check the firm seat of the mounted wheel. After mounting the wheel, do a brake test as the bike is standing, as described in the chapter **"Before every ride"**!

CALIBRATING ENVIOLO AUTOMATiQ

After you have mounted the rear wheel, your system may need to be recalibrated.

Switch on the drive system of your Canyon e-bike, and thus the enviolo system with it. Switch only the drive system's assistance level to 'OFF'.

Initiate the calibration process via the drive system menu. For more information see the system instructions of the drive system manufacturer at www.canyon.com

It is important that you turn the crank arms slightly during the calibration process while the system switches multiple times from the smallest to the largest gear ratio.

It is best to use a workstand designed expressly for e-bikes or to ask a helper to lift up the Canyon e-bike from the saddle while you rotate the crank arms slightly.

CHECKING THE BELT TENSION

The optimum operation of the Gates belt drive requires the proper tension of the belt. An unusual low tension can make the belt skip and thus affect the performance. Too high a tension of the belt will render the drive sluggish and unnecessarily increase the wear of the belt and the bearings.

Adjusting the tension requires specialist equipment and experience and is therefore a job for professionals.

However, if you want to try it yourself: The tension can be adjusted easily with the Gates Carbon Drive™ mobile app or the tension gauge (Gates Krikit gauge).

For more information read the chapter **"Belt drive"** in your Canyon bicycle manual Urban Bike.

If the belt tension is too high or too low, this could result in damage to the rear triangle and to the hub, increase wear and result in the belt jumping off the belt wheel.

For more information see www.gatescarbondrive.com. Alternatively, use our service hotline or the contact form on our website, www.canyon.com

SLIDING DROPOUTS – ADJUSTING THE TENSION

Some models have frame designs with sliding dropouts.

With these models, you need to undo the screws on the sliding dropouts to tension the belt or chain.

There are a total of two fastening screws per side or dropout, located on the underside of the frame or chainstay.

Undo all four screws (two on each side) anticlockwise by one to two turns using a 5 mm Allen key. Take care not to undo the screws by too much since they keep important components of the mechanism in place.

The belt tension is adjusted by turning the adjusting screws, which are accessed from the rear, with a 4 mm Allen key:

- turning anticlockwise will reduce tension
- turning clockwise will increase tension

Tensioning a belt is a wholly different process than adjusting the tension of a chain. Therefore, read the chapter **"Belt drive"** in your Canyon bicycle manual Urban Bike and, for belts, the instructions by Gates at www.canyon.com

When changing the belt tension, ensure that both adjusting screws are undone or tightened evenly.

The rear wheel must stay aligned with the frame and must not move laterally. The wheel must be equidistant from the frame on both sides. Ensure that the wheel runs centrally between the rear frame stays.

Once you have adjusted the belt tension, tighten the four fastening screws on the underside of the chainstay (two on each side) to 8 Nm by tightening in increments while alternating between the screws (see printed mark).

Now check that the belt runs clean and silently across the belt wheel. If this is not the case, the rear wheel is likely not seated centrally between the rear frame stays.

Once the adjustment process is complete, perform a test ride away from road traffic or on an empty lot.

RIDING THE E-BIKE

Your e-bike is designed to be used like a conventional bicycle. The unique riding experience, however, starts when you actuate the drive system. At that moment the assistance generated by the strong motor increases with its high torque the stronger you pedal.

Set off for your first ride by selecting the lowest level of drive assistance. Gradually get used to the additional propulsion. Slowly approach the potential of your e-bike in an area free of traffic.

Practise typical riding situations such as starting off and braking, tight corners and riding on narrow cycle paths and lanes and on loose grounds. This is where an e-bike clearly differs from a conventional bicycle.

RIDING WITH DRIVE ASSISTANCE

The system is switched on and off with the buttons on the control unit, the battery or the handlebar, or with the remote switch on the frame (down tube or top tube). Furthermore, the buttons on the control unit allow to select various assistance modes and different cycle computer functions as required, and the control unit displays the remaining capacity of the rechargeable battery.

When switched on, the system activates during pedalling and the drive assistance is available. Sensors measure your pedalling movements and control the fully automated drive assistance according to the selected assistance mode. The level of the additional boost depends on the assistance mode, your speed and, the amount of force applied to the pedals.

The assistance switches off when you reach a speed of more than 25 km/h (15.5 mph).

⚠ Pull the brake lever of the rear brake and stop pedalling. The e-bike stops. **Emergency stop!** Stopping within the shortest possible distance requires controlled braking with both brakes.

Keep in mind that you may have to change your riding habits:

- Do not mount by placing one foot on the pedal and by trying to throw the other leg over the saddle. The e-bike would set off suddenly. **Risk of a fall!**
- Stop pedalling earlier than you are used to before riding a turn or bend. Otherwise there may be too much propulsion and your cornering speed may be too high.
- Do not give in to the temptation to always ride in a high gear, due to the strong motor. Shift gears frequently as you may be used to with a conventional bicycle to be as efficient as possible in your share of forward movement. Your cadence should always be in a smooth flow. In other words, you should pedal at more than 60 crank rotations per minute.
- Shift down before stopping (except when using the enviolo AUTOMATiQ system).
- Keep in mind that the other road users are not yet used to the e-bikes and their higher speeds. Ride with this fact in mind and anticipate the actions of other road users.
- Be aware that the speed you ride at will be clearly faster than you are used to. Therefore, keep these facts in mind and be ready to brake whenever an unclear or a possibly dangerous situation comes into your field of vision.

⚠ 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.

⚠ Be aware that the brakes of your e-bike are always more effective than the drive. If you face any problems with your drive (e.g. because it pushes you forward before a turn), slow down your e-bike carefully.

⚠ Do a test ride in an unfrequented area to make yourself familiar with the riding characteristics of your e-bike and the possibly higher speed and acceleration, before riding on public roads. **Risk of accident!** Never ride without a helmet!

⚠ Do not step on the pedals before sitting in the saddle, select the lowest drive assistance and be ready to brake when you set off. **Risk of a fall!**

⚠ Keep in mind that due to the higher driving power 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 around bends. **Risk of a fall!**

⚠ Note that car drivers and other road users may underestimate your speed. Always wear bright clothing. Always ride with foresight on public roads and anticipate the actions of other road users. **Risk of accident!**

RANGE – USEFUL INFORMATION FOR A LONG RIDE

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

The charge state of your rechargeable battery can be read from the display of the control unit on the handlebar or, in addition, on the rechargeable battery. For more information see the system instructions of the drive system manufacturer.

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.

You can extend the range by
- checking the tyre pressure regularly, i.e. once a week with pressure gauge, and changing it, if necessary
- shifting gears down in front of traffic lights and intersections or in general in cases of stops and by setting off in low gears
- changing gears regularly, as you are used to on a bicycle without drive
- not only riding in high gears
- riding with these facts in mind and always in flow to avoid any unnecessary stops
- reducing your additional load, i.e. without unnecessary luggage
- storing your battery in your home and installing it only shortly before you set off on your e-bike in cooler weather, in particular when it is cold
- not parking the e-bike in the blazing sun

If your battery has not enough capacity to reach your destination, benefit from the decisive advantage of the hybrid concept of your e-bike: Without drive assistance you can ride your e-bike like a conventional bicycle with an unlimited range and nearly without compromising on riding characteristics.

⚠ E-bike batteries do not have a memory effect. It is recommended that you charge the battery after long rides. Avoid any depth discharge of the rechargeable battery.

⚠ If your battery runs empty during the ride, do not recharge the battery with any charger, even if it happens to have the same connector type. **Risk of explosion!** Make it a habit to charge your battery only with the supplied charger.

RIDING WITHOUT DRIVE ASSISTANCE

You can also use your e-bike without drive assistance, i.e. just like a conventional bicycle.

Observe the following points when riding with the battery discharged:

- Do not ride without battery, because lighting and display will not be available in such cases.
- Switch on the control unit of your e-bike at the handlebar with the battery mounted, even if you want to ride without drive assistance; otherwise the functions of your cycle computer will not be available.
- The lighting system is powered by the rechargeable battery, it can even be used when the battery is discharged. It is, however, recommended that you recharge the battery immediately after you have returned.

⚠ After you have removed the second battery of your Dual Battery e-bike from the down tube: Keep the connections of the rechargeable battery free of dirt and moisture. Protect the connections of your rechargeable battery with the protective cover, if supplied, or protect the connections with a plastic bag. With the battery removed the display and in particular the lighting system will most probably not work.

⚠ Note that the battery of your e-bike will show signs of wear over the years. This will result in a degradation of the battery and reduce more and more the range per battery charge. After a certain period of time it is even necessary to replace the battery.

ⓘ Please note that the lighting time when the battery charge is low (and after assistance has switched off automatically) is limited to approx. 2 hours.

ⓘ For more information on how to use the battery's performance to the maximum, see the chapter **"Proper handling of the rechargeable battery"**.

PROPER HANDLING OF THE RECHARGEABLE BATTERY

Remove the rechargeable battery if you do not use your e-bike 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. The state of charge should be 50 to 70 % of the charging capacity. Check the state of charge if the rechargeable battery is left unused for more than two months, and recharge it in between, if necessary.

For more information read the chapter **"Temperature ranges and operating limits"**.

Clean the battery housing with a dry or at most slightly moist rag. Look out for possible defects of the housing. 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.

For more information on the proper handling of your rechargeable battery see the system instructions of your drive system manufacturer.

Charge the battery with an ambient temperature of 15 to 25 degree Celsius. Let hot batteries cool down beforehand. You should also let the battery warm up to room temperature before connecting it to the charger in winter or after a ride in cold weather.

Make sure your rechargeable battery is in sound condition. Do not open, disassemble or crush the battery. **Risk of explosion!**

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!

Make sure not to accidentally damage the unplugged magnetic connector by turning the crank or the pedals.

We recommend that you charge your battery during the day and only in dry rooms which have a smoke or a fire detector; but keep it off your bedroom. Place the battery during the charging process on a big, non-inflammable plate made of ceramics or glass! Unplug the battery once it has been charged up.

Do not use a rechargeable battery or a charger that is defective. If you are in doubt or if you have any questions, contact our service hotline.

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

Keep your battery away from fire and heat. **Risk of explosion!**

Do not charge any other electrical devices with the supplied charger of your e-bike!

Steam cleaning, high-pressure cleaning or cleaning with a water hose is not permitted. The contact of the electrics or the drive with water can destroy the units. The individual drive components can be cleaned with a soft rag and neutral detergents. You may use a moist rag, but not excessive water. Keep the rechargeable battery dry and do not submerge it! **Risk of explosion!**

Batteries must not be short-circuited. Therefore store them in a safe storage area and make sure the battery is not short-circuited accidentally (e.g. with another battery). In addition, rechargeable batteries must not be stored inappropriately, e.g. in a box or in a drawer where they can be short-circuited by other conductive materials or where they can short-circuit each other. Do not deposit any objects in the storage area (e.g. clothes).

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

Do not expose your battery or the charger to the blazing sun during charging.

Make sure to use the battery only for the e-bike for which it is designed.

When you remove your battery from the holder for charging it with your e-bike left in the open during the charging process, you should protect the connections, e.g. with a plastic bag against rain, water, moisture and dirt. If the connections of the rechargeable battery are soiled, clean them with a dry rag.

Make sure not to discharge your rechargeable battery completely (also referred to as deep discharge). This occurs often when the battery has run out completely and the e-bike was left standing for some days. Depth discharge will affect the rechargeable battery of your e-bike permanently. A deep-discharged battery can only be recharged in exceptional cases and with special chargers. Alternatively, use our service hotline or the contact form on our website, www.canyon.com

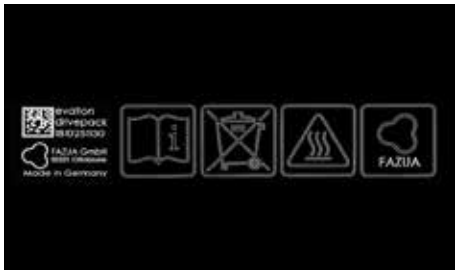
Remove the rechargeable battery from your e-bike if you do not use your e-bike for a longer period of time and keep it clean and dry.

If the rechargeable battery or the charger (or parts of it) must be replaced, only use original spare parts. Contact our service hotline.

Do not keep charging your battery over a prolonged period of time if you do not need it. Remove the charger as soon as the battery is fully charged.

Do not dispose of your rechargeable battery in the normal household rubbish! It must be disposed of according to battery disposal regulations. Therefore, sellers of new rechargeable batteries must provide collection of old batteries and appropriate disposal. If you are in doubt or if you have any questions, contact our service hotline or use the contact form on our website www.canyon.com

Note that the battery of your e-bike will show signs of wear over the years. This will result in a degradation of the battery and reduce more and more the range per battery charge. After a certain period of time it is even necessary to replace the battery.



Lithium-ion batteries have no memory effect; they can therefore be charged at any time without affecting the charging capacity.

Also observe the notes on the respective labels on the rechargeable battery or on the charger.

TEMPERATURE RANGES AND OPERATING LIMITS

The temperature ranges and the operating limits recommended by the respective drive system manufacturer are indicated in the table below:

Component	Bosch[1]	Shimano[2]	Fazua[3]	Model Spectral:ON M091 M129[4]
Temperature during charging (°C)	0 … +40	0 … +40	0 … +45	0 … +40
Temperature during operation (°C)	-5 … +40	-10 … +50	-20 … +60	-10 … +40
Temperature during storage (°C)	+10 … +40	+10 … +20	-20 … +60	0 … +60
Recommended state of charge during a long period of non-use (%)	30–60	70	60	70
Recommended charge cycle during a long period of non-use	every 6 months	every 6 months	every 6 months	every 3 months

[1] www.bosch-ebike.com [2] https://si.shimano.com [3] www.fazua.com [4] www.canyon.com

Do not charge and park the e-bike in the blazing sun. Temperatures above the temperature recommended in the table can result in battery failure.

KIOX DISPLAY

Some models with Bosch drive are equipped with a KIOX display. This display is held in place by magnets.

When you park your Canyon e-bike, you can remove the KIOX display by pulling it out of the holder, toward the front and up.

The display can be mounted to the holder with a screw to protect against theft. For more information read the BOSCH KIOX operating instructions or use our service hotline or the contact form on our website, www.canyon.com

SWITCHING THE LIGHTING SYSTEM ON

The light has to be activated on the display. Depending on the model and software, this may be done automatically as soon as the system is switched on.

You may also activate the light manually.

After activating the light, the lighting system can be switched on and off with a long push on the remote switch.
If the light is on, a short push on the remote switch will increase or reduce its brightness.

ORIENTATION OF THE FRONT LIGHT

The model Precede:ON is equipped with a front light.

To set the lighting range of the front light, proceed as follows.

Ensure that your e-bike is standing upright on level ground before starting to adjust the light.

Remove the front light cover from the underside of your handlebar. To do this, undo the two screws on the underside of the handlebar with a 3 mm Allen key.

Undo the fastening screw of the light only as far as necessary to move the light in its holder up and down by hand.

Take care not to undo the screw to its full length.

You can now adjust the light to the desired position.

Use the light beam projected onto the road to adjust the light's position:

- A rule of the German road traffic licensing regulations (although obsolete by now) can be used as a starting point: According to this rule the light should be adjusted so it does not dazzle other road users.
- Modern LED lights deliver a much higher light output while causing less glare. Try to find the light setting suited to your riding speed on a ride on a quiet road or on a country lane away from road traffic.
- The centre of the front light's beam may not hit the road surface at more than 10 metres distance ahead of the e-bike.

Once you have set the correct position, tighten the fastening screw of the light to 3 Nm.

Following this, reinstall the cover of the front light. To do this, tighten the two screws on the underside of the handlebar to 2 Nm.

Observe the torque value of 2 Nm specified on the cover. Never exceed this value. Use a torque wrench.

MOUNTING THE BOTTLE CAGE TO MODEL SPECTRAL:ON

There is a specific bottle cage including three bolts for your Canyon Spectral:ON that you can order as accessory.

Remove the rubber cover mounted between down tube and seat tube above the bottom bracket.

Insert the bottle cage into the groove uncovered. The bottle cage will slide directly into the ready-to-mount position.

Be sure to only use the intended specific bottle cage for your Canyon Spectral:ON. Do not mount any other bottle cage to your Canyon Spectral:ON!

Insert the short bolt supplied into the upper thread and turn the bolt with your finger by two to three turns. Tighten the bolt then to a torque value of 2 Nm by using the Canyon torque wrench. Do not exceed the torque value specified by Canyon.

Insert the two long bolts supplied into the thread at the bottom of the bottle cage. Tighten the bolts to a torque value of 3 Nm by using the Canyon torque wrench. Do not exceed the torque value specified by Canyon.

Be sure to only use the bolts supplied when mounting the bottle cage. If you use another bolt in the down tube, there is a risk of irreparable damage for the frame of your Canyon Spectral:ON.

CROOZER CHILD TRAILER

Some category 2e e-bike models are designed so that you can use them with a Croozer trailer. At the time of editing of these instructions, these models are the Precede:ON and the Pathlite:ON. To see if using a bicycle trailer with your model is possible, refer to the description of your Canyon e-bike on our website, www.canyon.com, or use our service hotline or the contact form on our website, www.canyon.com

Before mounting your Croozer trailer, you need to install the "Croozer Click & Crooz 12-167 XL" thru axle with integrated hitch in the rear wheel.

For information on removing your thru axle, read the chapters **"Quixle thru axle (rear wheel)"** and **"How to use quick-releases and thru axles"** in your comprehensive world-specific Canyon bicycle manual.

Slide the thru axle with integrated hitch for the Croozer trailer from the left through the wheel dropout and the hub.

When the thread of the thru axle engages, slightly tighten the thru axle with integrated hitch clockwise. Using a torque wrench, tighten the thru axle with integrated hitch to 12 Nm torque.

For more information see www.croozer.com

In the UK the following regulations apply to the lighting for bicycle trailers:

- Bicycle trailers must be equipped with a rear lamp and a triangular-shaped rear reflector with an ECE mark III or IIIA.

Inform yourself about and observe the applicable regulations for lighting systems for bicycle trailers in your country.

For e-bike models with a hub gear, it is not necessary to replace the complete axle to be able to use the Croozer trailer. All need to do is replace the axle nut on the left-hand axle side.

TRANSPORT OF THE E-BIKE

BY CAR

E-bikes can be transported like conventional bicycles outside or inside the car. Always make sure the e-bike is securely fastened outside or inside the car and check the fastenings regularly. In addition, you should always remove the battery from the e-bike prior to fastening it on the car roof. Stow the battery in its original cardboard box or in the Canyon battery bag and, if mounted, the removable display unit inside the car and secure them appropriately to avoid any damage during transport.

For more information read the chapter **"Transport of your Canyon bike"** in your comprehensive world-specific Canyon bicycle manual.

The weight distribution on e-bikes differs markedly from the weight distribution on bicycles without drive assistance. An e-bike is clearly heavier than a bicycle without drive assistance. For this reason parking, pushing, lifting and carrying the e-bike is more difficult. Bear this in mind when loading your e-bike into a car and unloading it or when mounting it on a bicycle carrier system.

Before transporting several e-bikes with a roof mounting or a rear mounting carrier system, inform yourself about the maximum load capacity of the bicycle carrier. Keep in mind that the weight of an e-bike is higher than the weight of a bicycle without drive. It could be that you are only allowed to transport one or two e-bikes instead of three bicycles without drive.

Most clamps of bike carrier systems are potential sources of damage to large-diameter frame tubes! As a result thereof carbon frames may fail abruptly during use, aluminium frames are susceptible to dents. There are, however, special suitable models available from car accessory dealers.

Make sure to remove all movable and loose parts and above all the rechargeable battery, the control unit and the cycle computer on the handlebar before transporting the e-bike inside or outside the car. If you transport your e-bike without its battery on a bike carrier system, protect the connections against water, moisture and dirt, e.g. with a plastic bag.

If necessary, inform yourself about the laws and regulations concerning bicycle/e-bike 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

E-bikes can be transported by public transport in the same way as conventional bicycles.

Taking bicycles or e-bikes with you by public transport is permitted in general, the regulations applicable in the cities differ, however. There are e.g. some places where you are only allowed to travel with your e-bike 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 some countries regional trains have special spaces for the storage of e-bikes and other things. This is an option to take your e-bike with you. They are often at the front or end of a train and marked with a bicycle sign.

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

BY PLANE

If you intend to take your e-bike by plane or to dispatch it by a forwarding agent, you have to observe particular packing and labelling requirements for rechargeable batteries which are considered as hazardous goods. Contact the airline, an expert for hazardous items or the 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 e-bike with you.

You can remove the battery for easier boarding and disembarking and transport it separately in the Canyon battery bag.

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.

AFTER AN ACCIDENT

1. **Check the rechargeable battery.** If the rechargeable battery is no longer properly in its holder or shows any damage, do not use your e-bike any longer, at least not in the assistance mode. Switch off the motor and the battery separately, if necessary. A damaged battery can lead to a short-circuit resulting in a sudden failure of the e-bike assistance right at the moment when you need it.

   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! Do not store a damaged battery in enclosed rooms. In such a case, contact our service hotline immediately.

2. **Check the display.** Are all values displayed as usual? Do not use your e-bike if the display shows an error message or a warning. If necessary, switch off the system and wait ten seconds at least before you check it again. For more information see the system instructions of the drive system manufacturer.

   Do not set off on your e-bike with motor assistance when the control unit shows a warning. In such a case, contact our service hotline immediately.

3. **Check whether the wheels are still firmly fixed in the drop-outs and whether the rims are still centred with respect to the frame or fork.** Spin the wheels and check whether the wheels run true. If the wheel visibly wobbles, it must be centred. For more information read the chapters **"The brake system"** and **"The wheels"** in your comprehensive world-specific Canyon bicycle manual.

⚠ Check the proper alignment of the Impact Protection Unit (IPU) after an accident. Check that the arrow at the front of the head tube and the groove of the IPU are perfectly aligned on top of one another. If they are not, contact our service hotline or use our contact form on our website www.canyon.com

ⓘ Also observe the remarks in the chapter **"Special characteristics of carbon"** in your comprehensive world-specific Canyon bicycle manual.

4. Check that handlebar and stem are neither bent nor ruptured and whether they are level and upright. Check whether the stem is firmly fixed in the fork by trying to twist the handlebar relative to the front wheel. Also, briefly lean on the brake levers to make sure the handlebar is firmly fixed in the stem.

   For more information read the chapters **"Adjusting the Canyon bike to the rider"** and **"The headset"** in your comprehensive world-specific Canyon bicycle manual.

5. **Check that the chain still runs on the chainring and sprockets or that the belt still runs on the belt wheel.** If your e-bike fell over to the chain side, check that the gears still function properly. Ask somebody to lift the e-bike by the saddle, then gently switch through all the gears. Pay particular attention when switching to the small gears, making sure the rear derailleur does not get too close to the spokes as the chain climbs onto the larger sprockets. A bent rear derailleur or bent dropouts can make the rear derailleur collide with the spokes! **Risk of a fall!** This in turn can destroy the rear derailleur, the rear wheel or the frame.

   For more information read the chapter **"The gears"** in your comprehensive world-specific Canyon bicycle manual.

6. Make sure the saddle is not twisted using the top tube or the BB shell as a reference. If necessary, open the clamping, realign the saddle and retighten the clamping.

   For more information read the chapters **"How to use quick-releases and thru axles"** and **"Adjusting the Canyon bike to the rider"** in your comprehensive world-specific Canyon bicycle manual, and the attached instructions.

⚠ Carbon components which have suffered from an impact force as well as bent parts made of aluminium may brake without previous warning. They must not be repaired, i.e. straightened, as the risk of breakage would still remain imminent. This applies in particular to the fork, the handlebar, the stem, the crank set, the seat post and the pedals. When in doubt, it is always recommended to have these components replaced, as your safety comes first.

7. Let your e-bike bounce on the ground from a small height. If there is any rattling, check where it comes from. Check the bearings, the bolts and the proper seat of the battery and the connectors, if necessary.

   More information is provided in your comprehensive world-specific Canyon bicycle manual and in the system instructions of the drive system manufacturer.

8. Finally, take a good look at the whole e-bike to detect any deformation, discolouration or cracks.

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

Back home you need to recheck your e-bike thoroughly. Damaged parts must be repaired or replaced. Read the comprehensive chapters in your comprehensive world-specific Canyon bicycle manual and in the system instructions of the drive system manufacturer or call our service hotline if in doubt.

Deformed components can break without previous warning. They must not be repaired, i.e. straightened, as the risk of breakage would still remain imminent. This applies in particular to the fork, the handlebar, the stem, the crank set, the seat post and the pedals. When in doubt, it is always recommended to have these components replaced, as your safety comes first.

When your e-bike with derailleur gears was involved in an accident or has toppled over, make it a rule to check the functioning and in particular the limit stops of the rear derailleur.

GENERAL NOTES ON CARE AND INSPECTION

Your e-bike is a product of high quality and technology. Nevertheless, as with other vehicles, you should see to your e-bike regularly and have an expert do the scheduled maintenance work. This is essential to ensure the safe and sustained functioning of all components.

WASHING AND CLEANING YOUR E-BIKE

Dried sweat, dirt and salt from riding during the winter or in sea air harm your e-bike. You should therefore make a habit of regularly cleaning all the components of your e-bike and protecting them from corrosion.

Do not clean your e-bike with a steam jet. This cleaning method is quick, but it entails serious drawbacks: As the water is ejected at high pressure in a narrowly focussed jet, it may pass through seals and penetrate bearings. This leads to the dilution of lubricants and consequently to greater friction and onset of corrosion. This destroys and impairs the functioning of the bearing races in the long term. Steam jet treatment also tends to abrade stickers.

Protect the upper side of the chainstay and all places where cables might rub with foil or the like. This will avoid any unpleasant scratches and abrasion marks.

Be sure to only do work for which you have the necessary knowledge and suitable tools.

Do not clean your e-bike with a strong water or steam jet from a short distance.

A much gentler way of cleaning your Canyon is with a soft water jet and/or with a bucket of water and a sponge or large brush. Cleaning your Canyon by hand has another positive side-effect: in that it enables you to discover defects in the paint or worn or defective components at an early stage.

After drying your e-bike you should polish its coating and metal surfaces with hard wax (except for the rotors). Apply the hard wax also to spokes, hubs, bolts and nuts etc. Use a hand-held atomizer for parts with small surfaces. Polish waxed surfaces with a soft cloth to give them a nice shine and make them water-repellent.

Inspect the chain after you have finished cleaning and grease it, if necessary. For more information read the chapter **"Chain maintenance"** in your comprehensive world-specific Canyon bicycle manual.

While cleaning, look for cracks, scratches, dents as well as bent or discoloured material. If you are in doubt, contact our service hotline. Have defective components replaced immediately and touch up paint defects.

Before applying any hard wax on the frame of your e-bike, be sure to test it in a less visible spot first!

Remove tough oil or grease stains from paint and carbon surfaces by using petroleum based solvents. Do not use degreasing agents containing acetone, methyl chloride etc., non-neutral, chemical or solvent-containing cleaning agents. They could attack the surface!

E-bike chains wear down faster than usual. Therefore, check for wear regularly.

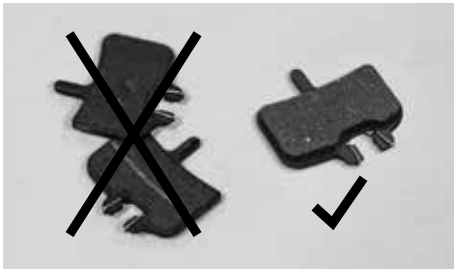
Keep the brake pads and the rotor free of cleaning agents and chain oil! This could render the brake ineffective (see the chapter **"The brake system"** in your comprehensive world-specific Canyon bicycle manual)! Keep carbon clamping areas, such as handlebars, stem, seat post and seat tube, free of grease and oil.

SERVICING AND INSPECTION

First service:
A special maintenance schedule has been developed by our experienced technicians. On the first kilometres/miles, for example, the wheels may be subject to a certain bedding-in process or bowden and brake cables may stretch, making gear shifting imprecise. Depending on how much you cycle, the repair of worn-down parts may be necessary already. In this case you will be contacted by a service technician beforehand.

Regular annual service:
Following a long and challenging season we recommend that you have your e-bike thoroughly checked. Who could do this better than those who built your e-bike?

The annual service will be carried out by our skilled staff according to a maintenance schedule tailored to your bicycle type.



Remove the rechargeable battery or the display before doing any work on your e-bike (e.g. servicing, repairs, assembly, maintenance, work on your drive etc.). Activating the drive systems unintentionally bears the **risk of injury!**

For more information on how to use the battery's performance to the maximum, see the chapter **"Proper handling of the rechargeable battery"**.

More detailed information about service and inspection is provided in the chapter **"Service and maintenance schedule"** in your comprehensive world-specific Canyon bicycle manual.

Canyon safety check:
If you ride your e-bike less than 1,000 km (620 miles) a year, it requires correspondingly less servicing. In this case the Canyon safety check is exactly what you need. For this purpose our specialists have developed a schedule for this demand-oriented maintenance. This schedule includes less routines than an annual service, however all safety-relevant issues. We recommend that you have this check carried out before setting off into the new season or before going on a trip so that you can take off without a care.

Make an appointment in advance to ensure that your e-bike runs through this check as quickly as possible.

⚠ If a component needs to be replaced, make it a rule to only use original spare parts. 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 e-bike. **Risk of accident!** If you do not, the CE marking as well as your warranty will become null and void. During the first 2 years (and the warranty period respectively) Canyon makes available all essential spare parts. In the event of unavailability Canyon will offer spare parts of equal or higher value. Use our service hotline or the contact form on our website, www.canyon.com

⚠ To be able to enjoy your e-bike for many years it needs to be serviced regularly. More information in this regard is provided in the chapter **"Service and maintenance schedule"** in your comprehensive world-specific Canyon bicycle manual. The times specified there is a rough guide for cyclists riding between 750 and 1,500 km (460 and 930 miles) per year. If you regularly cycle a lot more on poor road surfaces or cross-country, it will require correspondingly shorter maintenance periods. This includes frequent rides in the rain or generally in moist conditions, as well.

ⓘ In case you need to pack your Canyon to send it in to our workshop, be sure to strictly follow the packing instructions **"How to pack your Canyon e-bike"**, which you can find on our website, www.canyon.com

⚠ You will find numerous service details on our website www.canyon.com that will help you carry out small repair and maintenance works. 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 our service hotline or use the contact form on our website www.canyon.com

The intended use of the e-bike includes regular servicing and the replacement of worn out parts in time, e.g. chains, brake pads or Bowden and brake cables, and therefore has an influence on the warranty and the guarantee, as well.

If a component needs to be replaced, make it a rule to only use original spare parts.

⚠ If in case of a repair no original spare parts are available, observe the replacement parts guidelines issued by the German service and bicycle association (VSF), the German Bicycle Association (ZIV) and the Federal Guild Association (BIV). If you have questions, use our service hotline or the contact form on our website, www.canyon.com

⚠ Note that the battery of your e-bike will show signs of wear over the years. This will result in a degradation of the battery and reduce more and more the range per battery charge. After a certain period of time it is even necessary to replace the battery.

⚠ Keep in mind that the auxiliary drive may lead to partly higher wear than you are used to. This applies in particular to the brakes and the tyres and in the case of mid-mounted motors to the chain and the sprockets.

⚠ Do not position Canyon bicycle and e-bike models upside down. Turning them upside down may damage the add-on parts, in particular on the handlebar.
EXCEPTION: Model Spectral:ON for removal and installation of the battery.

⚠ Servicing and repairs are jobs best left to an expert. A lack of servicing or improper servicing may result in the failure of e-bike components. **Risk of accident!** However, if you want to do it on your own, restrict yourself to work for which you have the necessary expert knowledge and suitable tools.

⚠ Do not touch or reach into rotating wheels or disc brakes during the ride or servicing. **Risk of injury!**

⚠ Do not reach between chain and cassette sprockets during servicing and repair of the chain and the sprockets with the chainguard removed. **Risk of injury!**

A rechargeable battery that has reached the end of its service life must not be disposed of with normal household rubbish. Take the battery to where you get your new battery from, or use our service hotline or the contact form on our website www.canyon.com

Remove the rechargeable battery or the display before doing any work on your e-bike (e.g. servicing, repairs, assembly, maintenance, work on your drive etc.). Activating the drive systems unintentionally bears the **risk of injury!**

Note and follow the instructions given in the chapters on service and maintenance of the system instructions of the drive system manufacturer.

Be sure to read the chapters **"Service and maintenance schedule"**, **"Recommended tightening torques"**, **"Warranty"** and **"Crash replacement"** in your comprehensive world-specific Canyon bicycle manual!

For more information on warranty and guarantee read your comprehensive world-specific Canyon bicycle manual and visit our website, www.canyon.com. If you have questions, use our service hotline or the contact form on our website www.canyon.com

Keep in mind that accessories can strongly affect the characteristics of the e-bike. If you are in doubt or if you have any questions, contact our service hotline or use the contact form on our website www.canyon.com

You can find the manuals of the component manufacturers as well as the system instructions of the drive system manufacturer at www.canyon.com. Here you will find all details about use, maintenance and care. This manual contains multiple references to these specific and detailed operating instructions. Make sure that the respective manuals for clipless/step-in pedals, gear and brake components are in your possession and that they are kept in a safe place together with this manual, the Quick Start Guide and the comprehensive world-specific Canyon bicycle manual.

Canyon Bicycles GmbH
Karl-Tesche-Straße 12
D-56073 Koblenz