TEHTY SUOMESSA
MADE IN FINLAND

HELKAMA

BICYCLE INSTRUCTION BOOKLET

02/2025

CONGRATULATIONS ON PURCHASING A NEW BICYCLE

Please read this instruction booklet carefully because it gives you many practical tips on setting up and servicing the bicycle and its safe use. In case you are unsure if your bicycle is fit to ride or how to make adjustments and service, we recommend contacting a professional bicycle shop. The better care you take of your bicycle, the longer it will serve you.

This instruction booklet is a simplified universal manual to cover all bicycles manufactured and produced by Helkama Velox Oy. The manual covers the most common issues regarding the initial setup for most bicycle models. Because of the variety of bicycles, the appearance, usage and the way adjustments are made can differ from what is described. More information on the specific parts used on your bicycle can be found on the manufacturer's website.

Safe cycling,

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helkamavelox.fi/en/user-manuals

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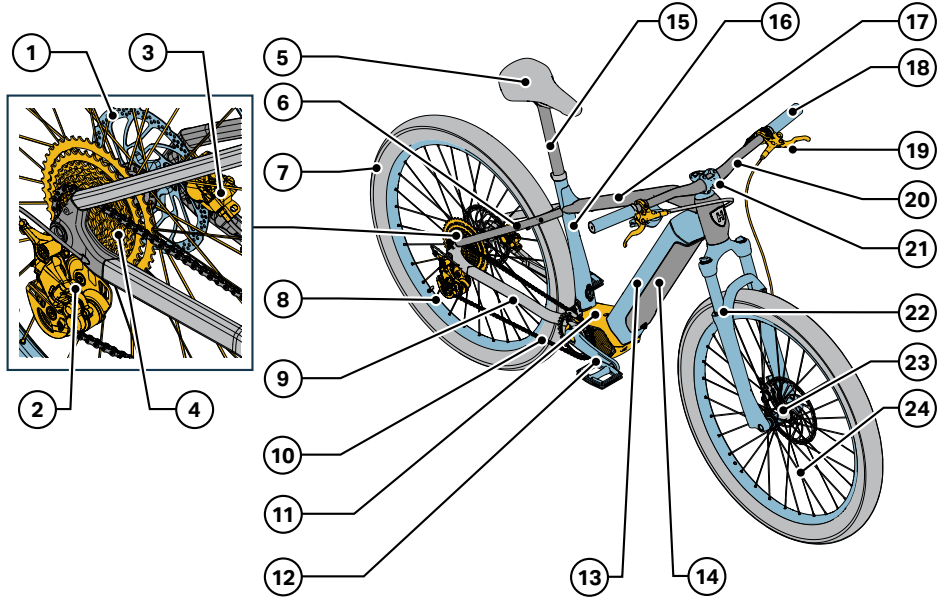
1 PARTS OF A MOUNTAIN BIKE

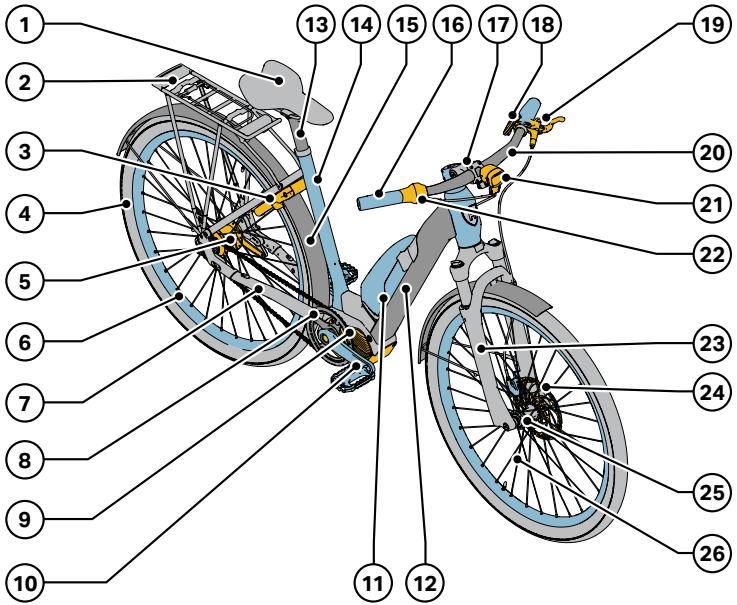
The parts of your bicycle may appeared different from those in the figure, depending on your bicycle model.



1. Brake disc
2. Rear derailleur
3. Brake calliper
4. Rear cassette
5. Saddle
6. Seat stay
7. Tyre
8. Rim
9. Chain stay
10. Chain
11. Mid motor
12. Pedal and crank
13. Down tube
14. Battery cover
15. Seat post or dropper post
16. Seat tube
17. Top tube
18. Handle
19. Brake lever
20. Handlebar
21. Handlebar stem
22. Suspension fork
23. Hub
24. Spokes

2 PARTS OF A CITY BIKE

The parts of your bicycle may appeared different from those in the figure, depending on your bicycle model.



1. Saddle
2. Luggage carrier
3. Frame lock
4. Tyre
5. Internal gearing
6. Rim
7. Chain stay
8. Chain ring and chainguard
9. Mid motor
10. Pedal and crank
11. Battery
12. Down tube
13. Seat post
14. Seat tube
15. Fender
16. Handle
17. Handlebar stem
18. Display
19. Brake lever
20. Handlebar
21. Front light
22. Gear lever
23. Suspension fork
24. Brake disc
25. Hub
26. Spokes

3 SYMBOLS USED ON PRODUCTS AND IN THIS MANUAL

We use the following symbols in this manual and on the bicycle, packaging, electric bicycle battery and charger.

SYMBOL	DESCRIPTION
 Warning	This symbol describes a possible threat. Neglecting the instructions may lead to death or severe injury.
 Note	This symbol refers to important activities to which we would like you to pay attention. Neglecting these instructions may lead to personal or property damage.
	Marking for electrical devices that must not be disposed of with domestic waste. Please adhere to local instructions regarding the disposal of electrical devices.
	Marking for batteries and accumulators that must not be disposed of with domestic waste. Please adhere to local instructions regarding the disposal of batteries.
	Products marked with this symbol comply with all regulations observed in the European Economic Area.

4 PREPARING THE BICYCLE FOR USE

Usually the bicycle is delivered to customer ready to ride and requiring only some minor adjustments. It is a good idea to check the adjustments regularly even when the bicycle is already in use.

You must also remember the initial service of the bicycle, instructions for which are provided in Section 4.3 Initial maintenance of the bicycle (p. 9)

Charge up the battery of your electric bicycle before the first ride. Charging instructions are provided in Section 5.4 Charging the battery (p. 31)

If your bicycle has been delivered packaged in a box, it must be assembled.
This manual details the most common phases of the final assembly, starting from Section 4.5 Installing and tightening the pedals (p. 11).

Note	If you are unsure of any part of the assembly or the safe riding condition of the bicycle we advise you to contact a professional bicycle shop for assistance.

The main phases of the final assembly are as follows:

- installing and tightening the pedals
- adjusting seat height, installing the possible dropper post seat
- adjusting the handle bar and stem to a suitable position

You may need these tools for the final assembly:

- 15 mm spanner
- hex key (2–8 mm)
- installation tool for electric bicycle display wiring (included in the packaging)

Warning	When tightening the screws of bicycle components, always observe the maximum tightening torques indicated on the parts. If there are no markings, exercise special caution.

You can also watch instruction videos on the main phases and the following topics, for example:

- removing and charging the battery
- installing the dropper seatpost

You'll find the videos at helkamavelox.fi/en/user-manuals or by scanning the QR code.

4.1 CONTENTS OF THE FACTORY PACKAGING

The content of the packaging varies between bicycle models, but the following is usually provided with the bicycle:

- electric bicycle supplies kit: charger, charger adapter (depending on the battery model)
- pedals (e-bike pedals can be found in the supplies kit)
- e-bike display and fastening screw
- installation tool for e-bike display wiring
- keys to the bicycle's possible frame lock (in an e-bike, the keys also fit the bicycle battery)
- reflectors and protective stickers
- this user manual

4.2 WEIGHT LIMITS

Every bicycle model has a total mass weight limit, which includes the bicycle, rider and possible load being transported. The guideline value for the maximum weight limit for most bicycle models is 125–145 kg, but please check the exact weight limit for your bicycle on the helkamavelox.fi website.

4.3 INITIAL MAINTENANCE

The initial maintenance is the most important maintenance, regardless of whether your bicycle was pre-assembled or you assembled it yourself. The parts of the bicycle will settle in place over the course of your first rides.

Note	We recommend you to leave the maintenance to a professional bicycle maintenance shop.

The factory-installed spokes, wires and bolts may become loose as you break in the bicycle over the first few hundred kilometres. Comprehensive initial maintenance should be performed after roughly 300 km of riding or 2 months after beginning using the bicycle.

If you have an e-bike, the display will show a reminder of taking the bicycle in for maintenance. The bicycle must be taken in for maintenance to reset the notification. A new maintenance reminder will be set in the context of the maintenance. Proficient maintenance can extend the maintenance interval or change it to a fixed arrangement instead of one based on riding kilometres.

The maintenance checks the following, among other things:

- tightness of the spokes, hubs and cranks
- adjustments of the brakes and gears
- fastening of accessories, such as fenders

Warning	Pay special attention to unusual sounds or poorly operating parts. Determine the cause for the sound or poor operation and, if necessary, take the bicycle to a maintenance shop.

4.4 CHECKS BEFORE EACH RIDE

Always perform a brief condition check on the bicycle before each ride. This is to prevent unpleasant surprises on the road.

- Tyres: Check the correct pressure and condition of the tyres.
  The recommended air pressure is provided on the side of the tyre.
- Brakes and gears: Check the operation of the brakes and gears: the brake feel must be firm and the brake pads need to have enough wear surface.
- Make sure that the wheel hub quick release shafts, thru axles or axle nuts have been tightened. If they have become loose, the front or rear wheel may wobble unpleasantly and hamper riding. In the worst case, the hub may come off the leaf of the frame or fork.
- Rims: Spin the wheels to make sure that the rims are straight and all surfaces are intact.
- Lift the front wheel of the bicycle slightly and drop it to the ground. If you hear any abnormal sounds, check the source of the sound and make the necessary repairs.
- Lights: Make sure that the lights are not covered so that others can see you. Also check the alignment of the front light: the beam may blind others if it points too high.

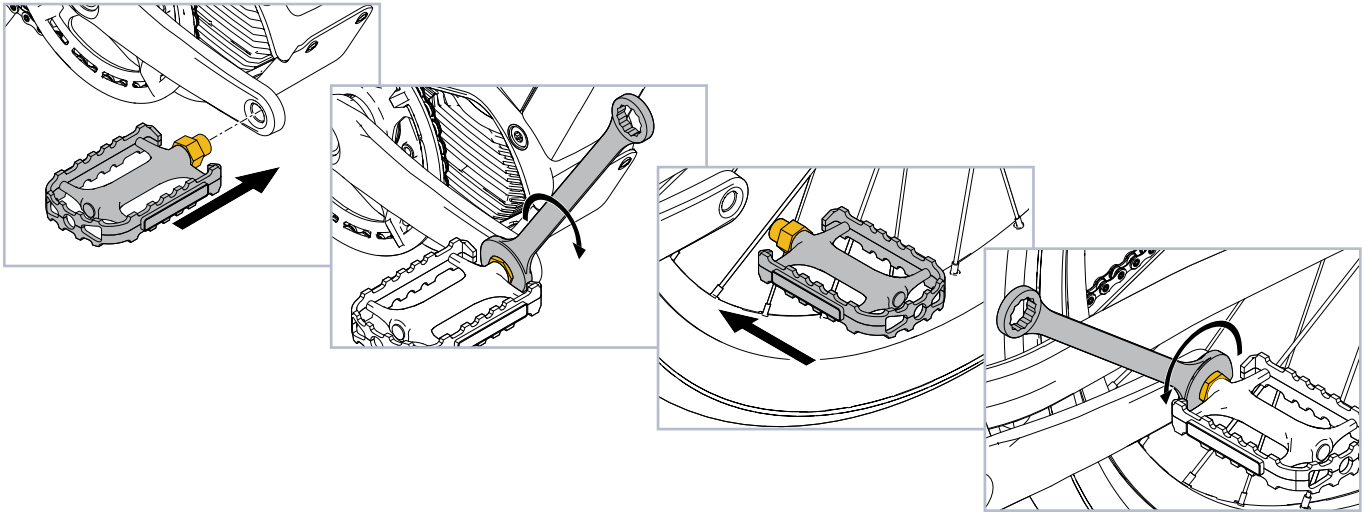
⚠ Warning	Please note that the bicycle should only be used for its intended purpose. A bicycle intended for w use must not be used for mountain bicycling purposes or tricks, such as wheelies.

4.5 INSTALLING AND TIGHTENING THE PEDALS

Note	Please note that the threads on the left and right pedals are in opposite directions. Most pedals are marked with an L (left) and an R (right).

- Grease the threads before assembly.
- Ensure that the threads of the pedals are correctly aligned before tightening. Both pedals are tightened forwards.
- Start by threading the pedals on by hand and use a pedal tool for the final tightening.

Warning	Tighten the pedals properly. A pedal that comes loose while riding may cause an accident.



4.6 ADJUSTING SADDLE HEIGHT AND ANGLE

If your bicycle features a dropper post, please install it first.
Installation instructions are provided in the Section 4.7 Installing a dropper post seat (p. 14).

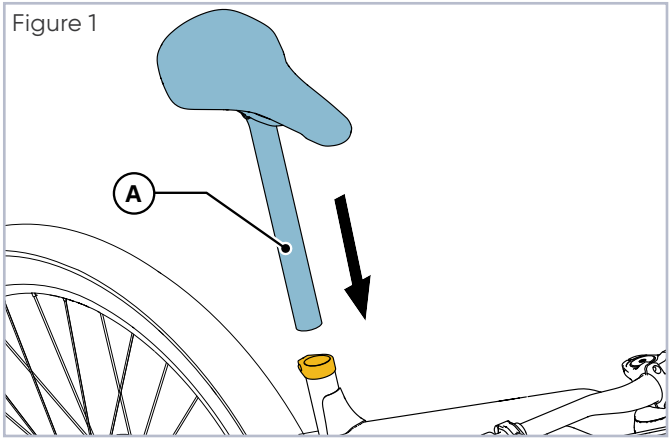
The saddle is at the correct height when

- your knee is slightly bent when the pedal is at its lowest position or your knee is straight when your heel is on the pedal
- your waist remains in place when you pedal.

1. Open the quick release (Figure 2, **A**) or adjustment bolt (Figure 2, **B**) of the seat post clamp and move the seat post (Figure 1, **A**) up or down on the frame to a suitable height.

⚠ Warning	Do not lift the seat post beyond the maximum level indicated.

Figure 1



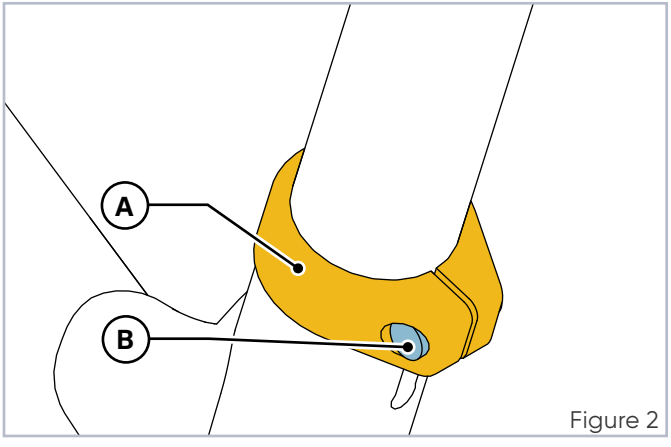


Figure 2

2. The angle and longitudinal position of the seat can be adjusted in most bicycle models by loosening the tightening screw(s) under the saddle (Figure 2, A).
   Usually, the saddle is most comfortable when it is level.
3. Remember to tighten the screws once you have found the suitable angle and position for the saddle.

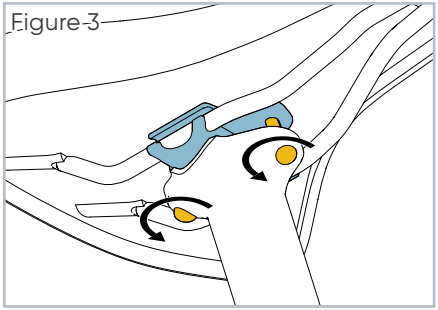


Figure 3: Fastening mechanism and screws of the saddle

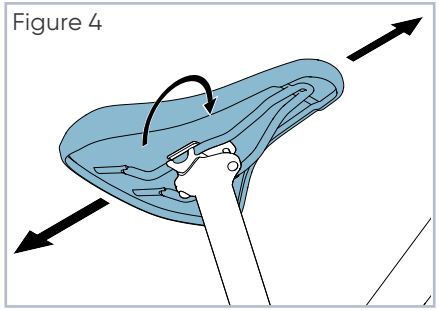


Figure 4: Adjusting the saddle's angle and longitudinal position

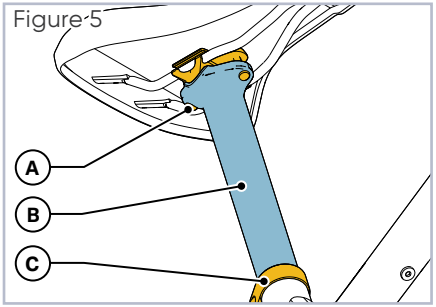


Figure 5: Istuimen kiinnitysosat:
A: Fastening screws
B: Seat post
C: Seat post clamp

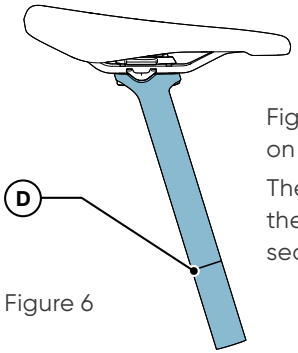


Figure 6

Figure 6: D: Maximum height marking on the seat post.

The seat post is correctly installed if the maximum height marking on the seat post is not shown.

4.7 INSTALLING A DROPPER POST SEAT

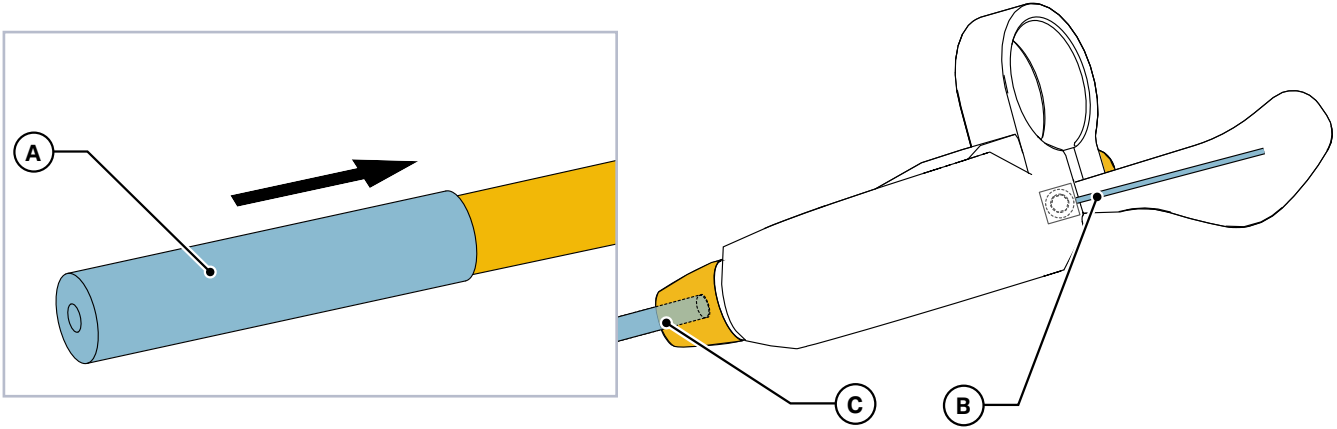
You will need the following tools to install a dropper post seat:

– 2 mm, 3 mm and 4 mm hex keys
– wire cutters and side cutters

If you have an e-bike, detach the battery from the frame before installing the dropper post seat, because the dropper post wire casing must be able to move freely. If pulling or pushing the front of the frame and the seat tube does not move the wire casing properly, position and move the cover from behind the battery.

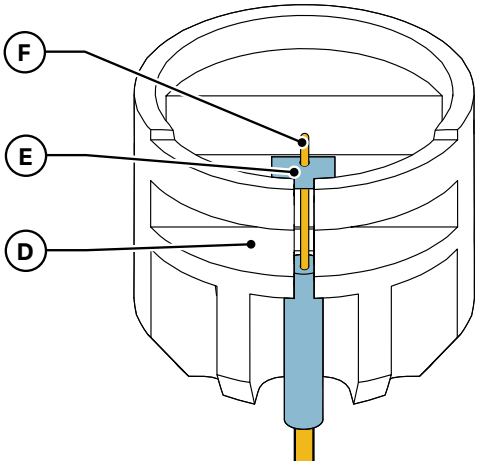
Inserting the dropper post wire into the casing:

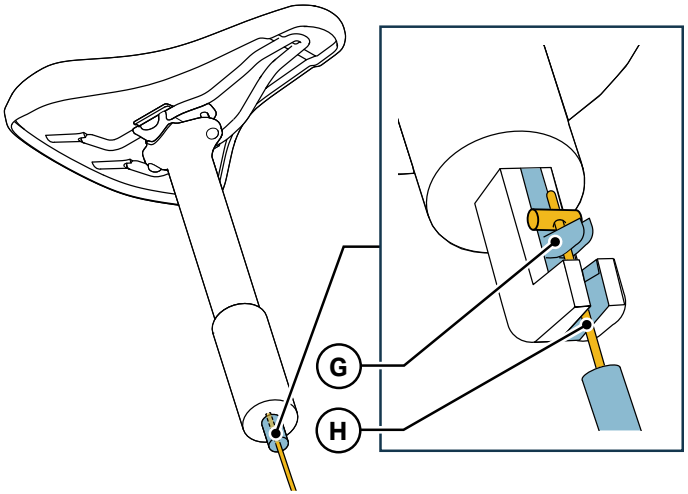
1. Make sure that the end bushing (A) has been installed at the end of the installed casing. If this is not the case, install it: Thread the wire through the handle into the wire casing (B) and place the handle and wire against the wire casing (C).



Continue the installation at the position of the seat:

2. Install the wire measuring tool (D) at the end of the wire casing. The tool can be found at the bottom of the dropper post:
   it also protects the dropper post wire mechanism during transport.
3. Thread the cylindrical nut section (E) onto the wire, pull it tightly against the upper surface of the measuring tool (D) and tighten the nut (E) with 2 mm and 3 mm hex keys.
4. Cut off any excess wire (F) above the cylindrical nut section (E).
5. Place the cylindrical nut section on the hook (G) at the bottom of the dropper post, and lead the wire into the designated groove (H).





6. Place the wire casing in the indentation at the bottom of the dropper post.
7. Insert the dropper post in the seat tube while pulling the wire casing from the front of the bicycle or the battery side.

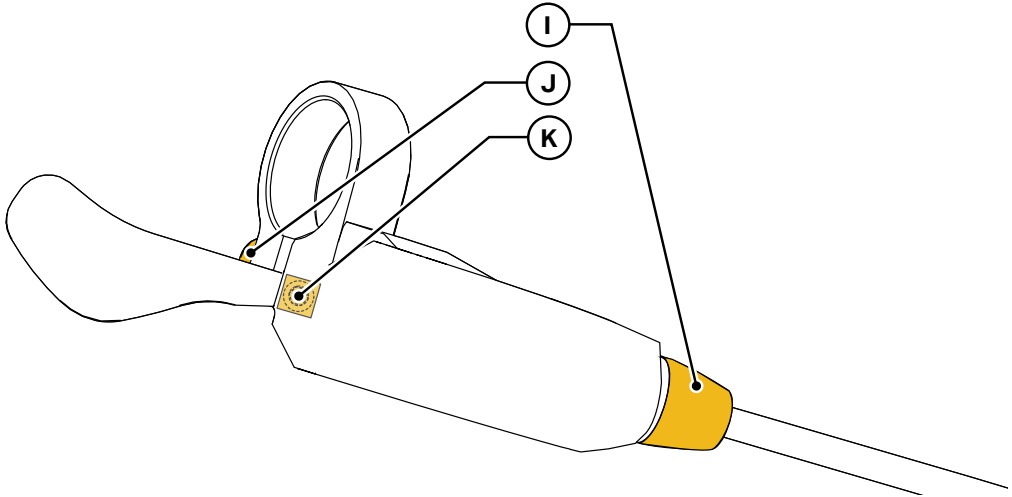
8. Tighten the dropper post to the correct height using the seat clamp (4 mm hex key).

The dropper post is at the correct height when the seat height is suitable with the dropper post at its maximum height: for more information, see Section 4.6 Adjusting saddle height and angle (p. 12).

9. Use a hex key (4 mm) to install the dropper post seat's activation switch on the left side of the handlebar next to the selector switch (J).

Note	Be careful of the selector switch wire when installing the activation switch.

10. Tighten the safety screw (K) of the wire.
11. Adjust the handle position by loosening the screw at the front of the handlebar.
    If you feel play in the handle (wire is loose), tighten the wire by turning the adjustment screw (I).



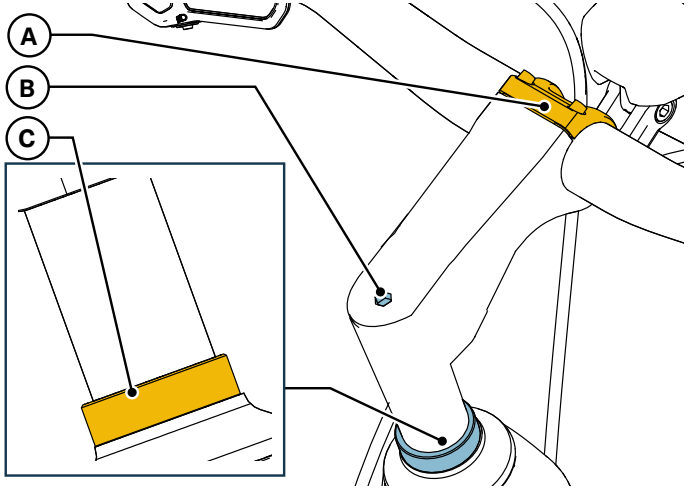
4.8 ADJUSTING THE HANDLE BAR AND STEM TO A SUITABLE POSITION

It is a good idea to adjust the handlebar to provide an ergonomic, comfortable and relaxed riding position that supports safe cycling.

Bicycle with a quill stem

1. To adjust the handlebar angle, loosen the stem faceplate bolts (A).
2. Turn the handlebar to a suitable angle and tighten the bolts evenly.
3. The height of the handlebar can be adjusted by loosening the quill bolt (B) and moving the stem in the front fork's handlebar tube.

Note	Never raise the stem above the maximum height marking (C). The marking indicates how deep inside the handlebar tube the stem must be at minimum. The marking must not be visible after installation.



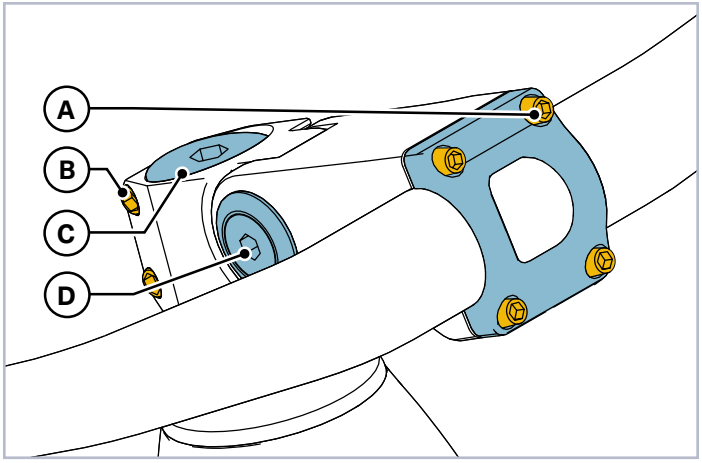
Bicycle with a quill stem

A Tightening the handlebar
B Quill bolt
C Marking of the minimum depth of the handlebar

Bicycle with an A-head stem

To adjust the handlebar angle loosen the stem faceplate bolts (A).

1. Turn the handlebar to a suitable angle and tighten the bolts evenly in a crosswise pattern.
2. If your bicycle has an adjustable stem, the height of the handlebar can be adjusted by opening the angle adjustment bolt (D).
3. Turning the handlebar laterally takes place by slightly opening the stem rear plate bolts (B) and tightening the bolts evenly in a crosswise pattern. Turning the handlebar does not require loosening the headset bearing (C).



Bicycle with an A-head stem

A Handlebar tightening
B Lateral tightening
C Headset bearing tightening screw
D Angle adjustment

5 ELECTRIC BICYCLES

This section provides the most important information concerning the general use of an electric bicycle.

An electric bicycle system includes the following:

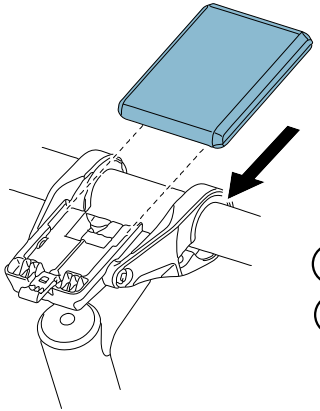
- motor
- battery, battery mount and charger
- wires between components

The appearance and features of the parts of the electric bicycle system may vary depending on the bicycle model.

⚠ Warning	When riding an electric bicycle, consider that your speed may surprise other road users. A faster and heavier bicycle also requires a longer stopping distance.
⚠ Warning	Do not change the connections of the electric bicycle or connect anything other than approved accessories to it.
❗ Note	Modifying the electric bicycle by removing the speed limiter, for example, will always void the warranty. A modified electric bicycle may become a motor vehicle under law, which entails registration, inspection and insurance obligations.

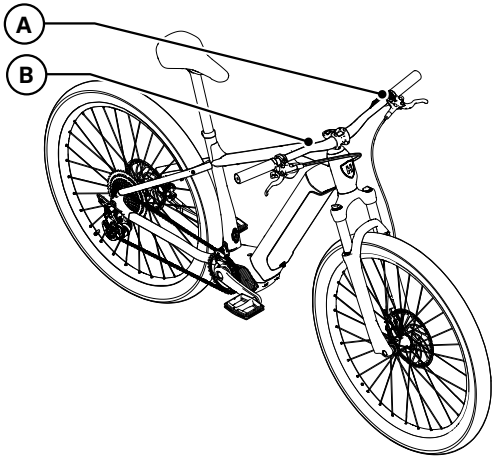
5.1 STARTING AN ELECTRIC BICYCLE AND SETTING OFF

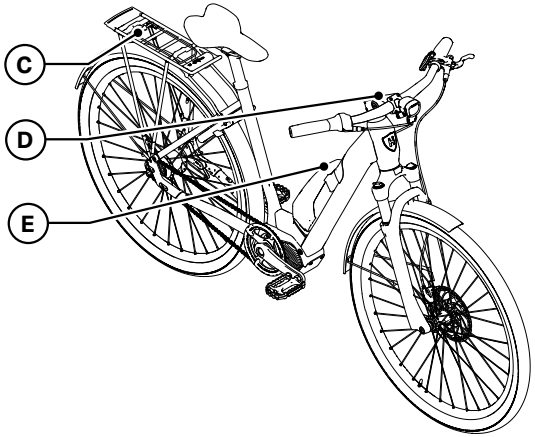
Note	Before starting your new electric bicycle for the first time, charge the battery. Charging instructions are provided in this manual.



If you have a quick release display, first attach it to the bicycle: slide the display onto the mount on the handlebar until a hear it click into place.

1. Power on the bicycle: There are several ways to activate the bicycle, depending on the model. Whichever way you use, you only need to press one power button: this activates the entire bicycle system.





Depending on the bicycle model:

- you can press the power button on the battery if the bicycle batter is located on the luggage carrier (C) or externally on the bicycle frame (frame battery) (E)
- you can press the power button on the display (A, D)
- you can press the power button on the selector switch (A)
- you can press the power button on the bicycle frame (B)

Note	Do not place your feet on the pedals when switching on power. This will lead to an error and prevent the bicycle from functioning normally.
Note	You can power on the bicycle during charging.

2. When you activate the bicycle, assist is off by default. Select the desired assist level using the selector switch. More information on the various assist levels is provided in Section 5.5 Riding an electric bicycle in an optimal manner (p. 37)
3. Before stopping at a traffic light, for example, shift to the correct gear for setting off.
4. Switch the power off when parking the bicycle.. The power is switched off automatically, when the bicycle has not been ridden in 10 minutes and you have not touched the display or selector switch.

Note	Before each ride, check that the battery charge is sufficient.

The bicycle display presents information related to your ride, such as:

- assist level engaged
- riding speed
- kilometres travelled
- estimated range of the battery charge.

Depending on the model, the display will also provide other information; see model-specific details at helkamavelox.fi.

If your electric bicycle model has the Bluetooth feature, you can download Shimano's E-TUBE RIDE app onto your mobile device from the relevant app store. More information is available on the helkamavelox.fi website.

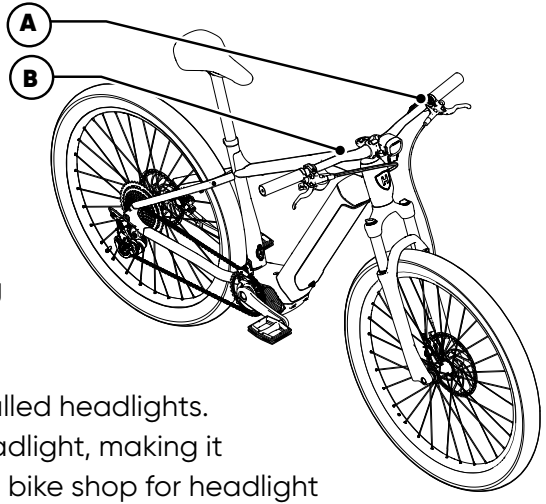
More information on troubleshooting and error messages is available at: https://si.shimano.com/en/error

5.2 ELECTRIC BICYCLE HEADLIGHT

If your bike has a headlight, you can typically turn it on separately from the daytime running light using the light button when powered on. The light button may be in the following places:

• On the selector switch (A)

• Under the power button (B)



If the light on your bike does not switch on with the button, your bike most likely has an automatic dusk sensor light. The dusk sensor light will turn on and off automatically according to the ambient brightness.

On bikes equipped with a dusk sensor light, the daytime running light and rear light are always on when the bike is powered.

Electric mountain- and fat-bikes do not come with factory-installed headlights. However, these bikes have a pre-installed light cable for the headlight, making it easy to retrofit a light. We recommend consulting a professional bike shop for headlight installation.

If the bike does not have a power button (B) with a function button, the headlight can be turned on via the display settings.

5.3 DETACHING AND ATTACHING AN ELECTRIC BICYCLE BATTERY

Three are three battery types:

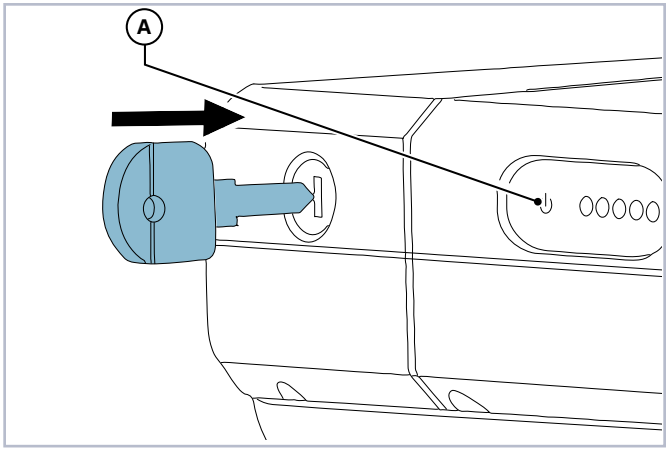
- battery mounted to the luggage carrier
- external battery, i.e. frame battery
- battery integrated into the frame

⚠ Warning	Only use a high-quality battery intended for the electric bicycle in question. If necessary, contact a professional bicycle shop for more information.

Attach the battery to the mount using the battery mount key. There are different types of keys, so the mounting procedure may differ from the instructions provided below.

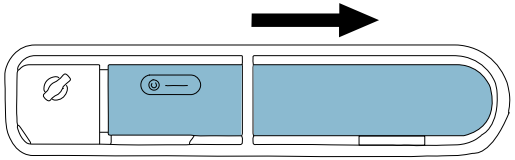
You can install the battery without turning the key.

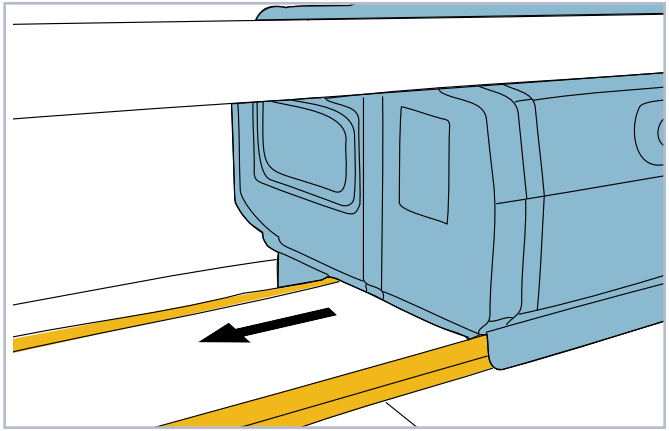
⚠ Warning	Hold the battery firmly during attachment and detachment. Be careful of dropping the battery.



Detaching a carrier-mounted battery

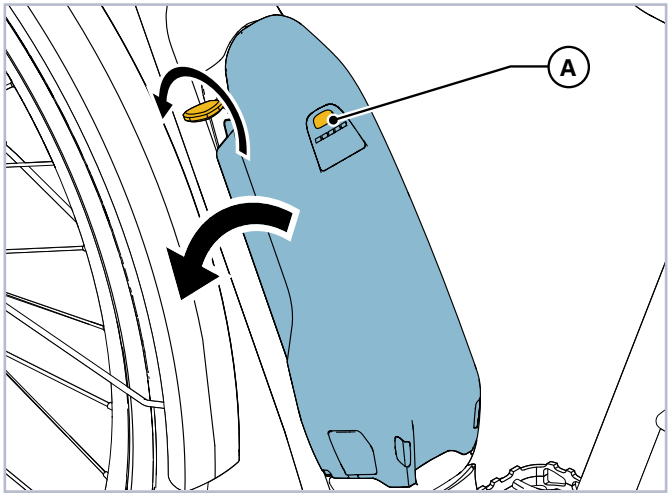
1. Power off the battery by pressing the power button (**A**), and then insert the key into the battery mount lock.
2. Turn the key anticlockwise, until you feel resistance.
3. Remove the battery by pulling it carefully towards the rear of the bicycle.

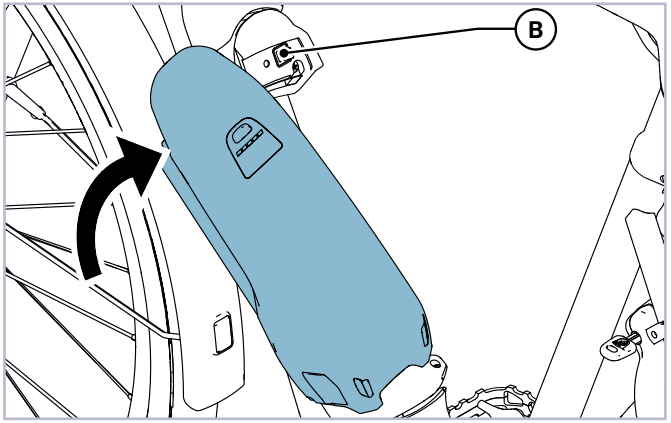




Attaching a carrier-mounted battery

Place the battery on the rail under the luggage carrier from the rear of the bicycle towards the front of the bicycle, and push the battery firmly forwards.



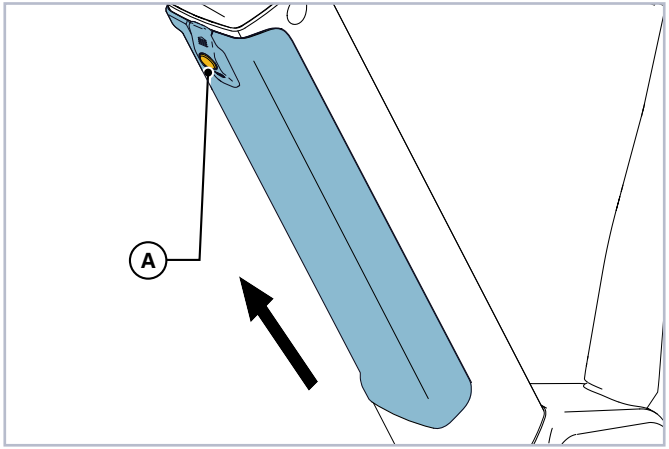


Detaching a frame battery

1. Power off the battery by pressing the power button (**A**), and then insert the key into the battery mount lock.
2. Turn the key anticlockwise until you feel resistance, and remove the battery carefully.

Attaching a frame battery

1. Connect the bottom part of the battery to the battery mount: Align the concave section of the battery and the convex section of the battery mount, and attach the battery.
2. Push the battery in the direction of the arrow (**B**), until you feel a click.



Detaching an integrated battery

The instructions below use as an example a bicycle frame in which the battery is mounted to and detached from the lower part of the down pipe.

1. First remove the battery cover. The battery cover can be opened by pushing a button or opening a screw.

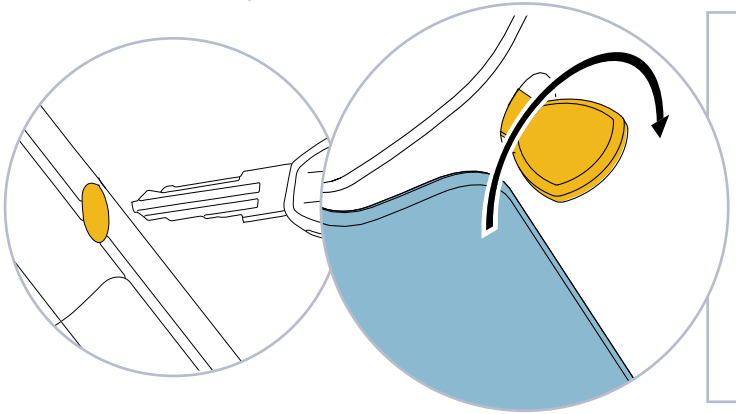
Cover with a button mechanism:

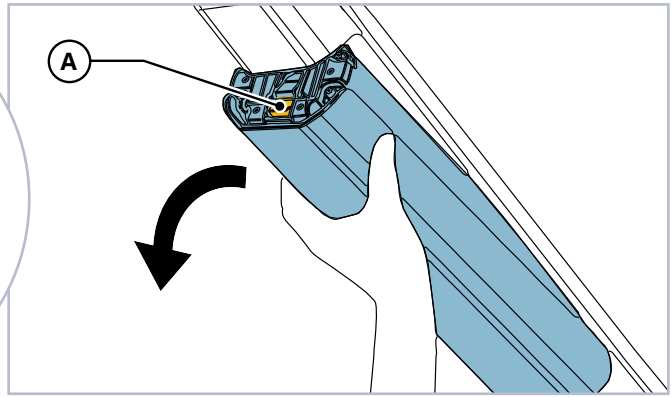
2. Depress the button (**A**) in the middle of the cover fastening mechanism, and slide the mechanism towards the battery cover to release the top part of the cover.
3. Once the top part has been released, lift the hook in the bottom part away from the frame.

Lock opened with a key:

Insert the key into the battery mount lock. Support the battery with your hand while turning the key clockwise. Once the battery lock is open, the battery can be detached by pulling it downwards, but the double strike plate (**A**) keeps it in place and prevents it from falling.

If the battery is not released to rest on the strike plate, pull the battery out with your hand while turning the key.

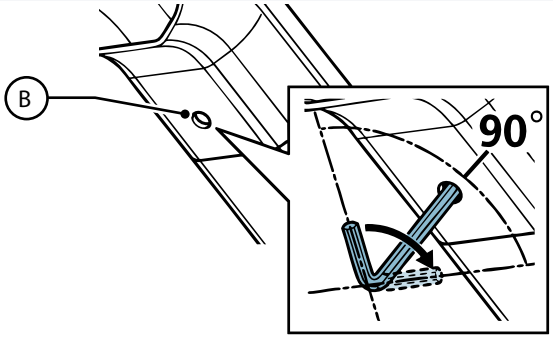


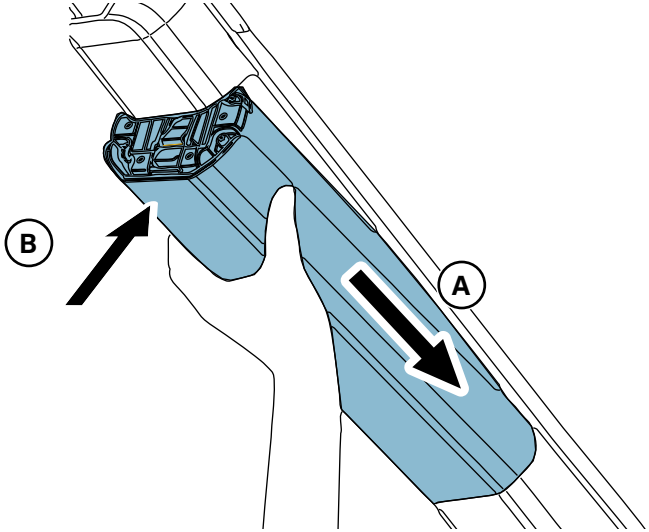


Lock opened with a hex key:

Open the lock by turning it 90° clockwise as shown in the figure (**B**). Do not force the lock anticlockwise or turn it clockwise for more than 90°. This may cause damage.

Remove the battery carefully while supporting it with your hand and pushing the double strike plate (**A**).





Attaching an integrated battery

The instructions below use as an example a bicycle frame in which the battery is mounted to and detached from the lower part of the down pipe.

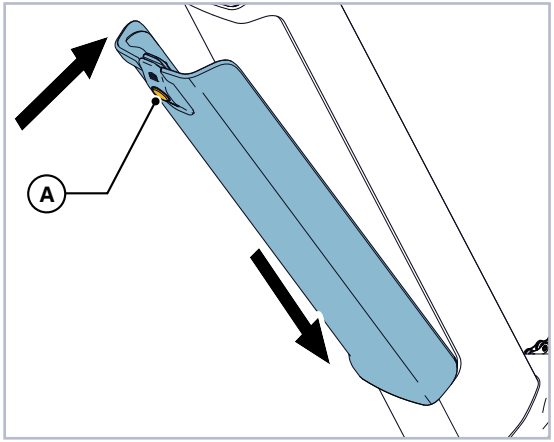
1. Connect the bottom part of the battery to the battery mount (**A**) and push the battery in the direction of the arrow (**B**) until you hear a click.

Note	Once you have pushed the battery into place, make sure that it is locked correctly: pull the battery lightly.
Note	Do not leave the battery to rest on the double strike plate: Make sure that the battery is firmly in place. The strike plate may bend if it bears the full weight of the battery. The battery may fall off if an external force hits the double strike plate.

2. Attaching the battery cover

Cover with a button mechanism:

First place the rear part of the cover firmly on the frame, and then push the side of the fastening mechanism into place. Press the fastening mechanism button (**A**), and slide the mechanism in the direction of the frame. The installation direction of the cover may vary depending on the bicycle model.



⚠ Warning	Make sure that the battery is locked correctly to the battery mount. Do not ride the bicycle with the key in the battery lock.

- If the battery is fully discharged, charge it immediately.
- Store the battery in a safe place away from children and pets.
- Store the battery at a charge level of at least 70%, indoors at a temperature of around 10–20°C
  You can check the battery charge level by pressing the power button of the battery.
- Do not leave the battery near heat sources, such as heaters:
  the battery may explode or combust.
- The battery's recommended operating temperature is -10°C–50°C. The battery can be used in colder conditions, but outside the recommended temperature range, the battery's properties deteriorate and there may be significant deviation from the estimated battery capacity.

5.4 CHARGING THE BATTERY

⚠ Warning	Only use the original charger intended for the specific electric bicycle's battery. If necessary, contact a professional bicycle shop.

You can check the battery charge level by pressing the power button of the battery.

Charge the battery indoors on an even surface.

You can charge the battery either detached from or attached to the bicycle. This section provides instructions for both methods and all three battery types.

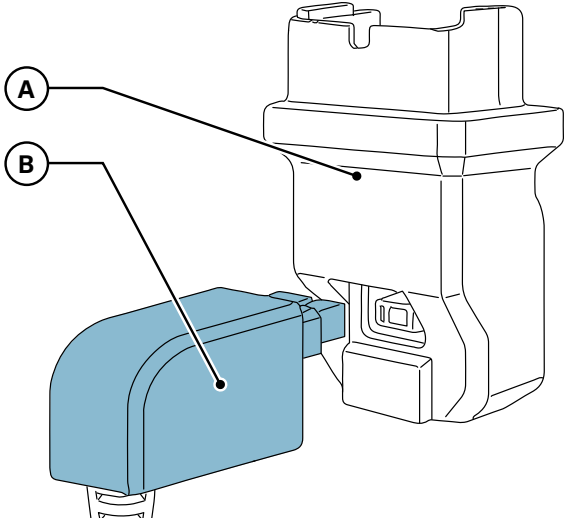
⚠ Warning	Do not charge the battery outdoors or in moist environments. Doing so may cause an electric shock.
⚠ Warning	Do not use the charger if the cable, plug or housing is damaged

Charging a detached battery

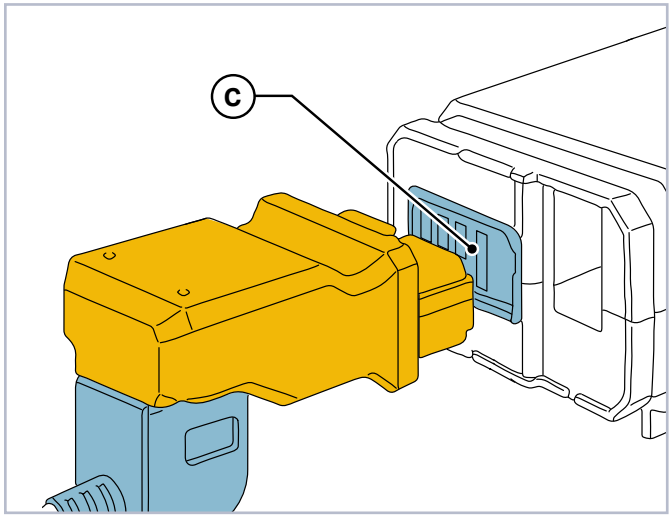
When charging the battery, align the battery and charger as shown in the figure. The direction of the battery's charging connection differs based on battery model.

Carrier-mounted battery type:

1. Connect the adapter (**A**) to the charger's plug (**B**) and connect the charger plug to the socket.

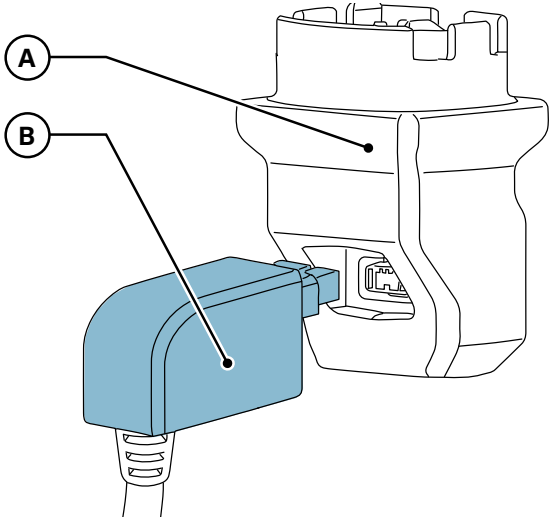


2. Connect the adapter to the battery's charging connection (**C**).

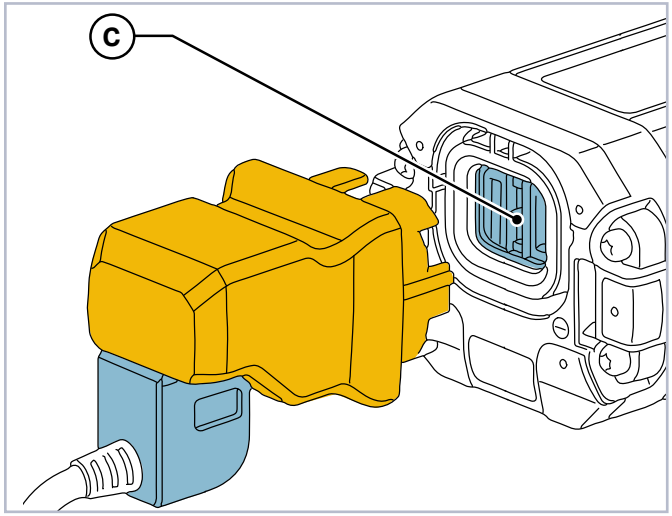


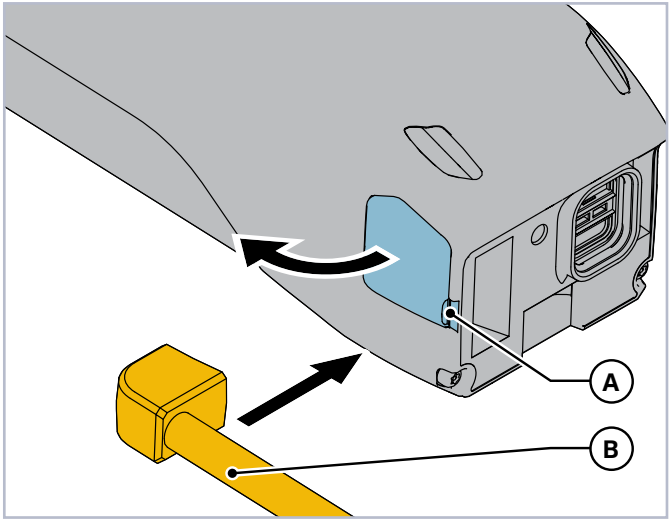
Integrated battery type:

1. Connect the adapter (A) to the charger's plug (B) and connect the charger plug to the socket.



2. Connect the adapter to the battery's charging connection (C).





External battery type:

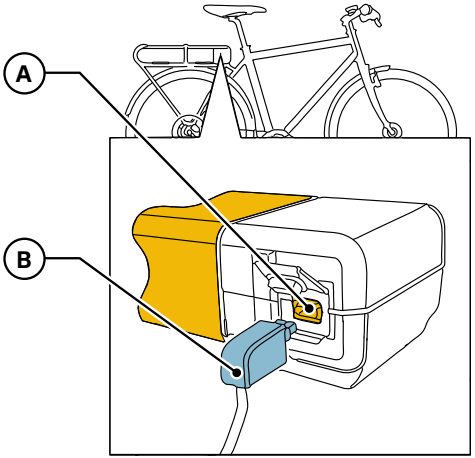
1. Connect the charger's power plug to the socket.
2. Insert the charging plug (B) into the battery's charging connection (A).

Charging a battery mounted to the bicycle

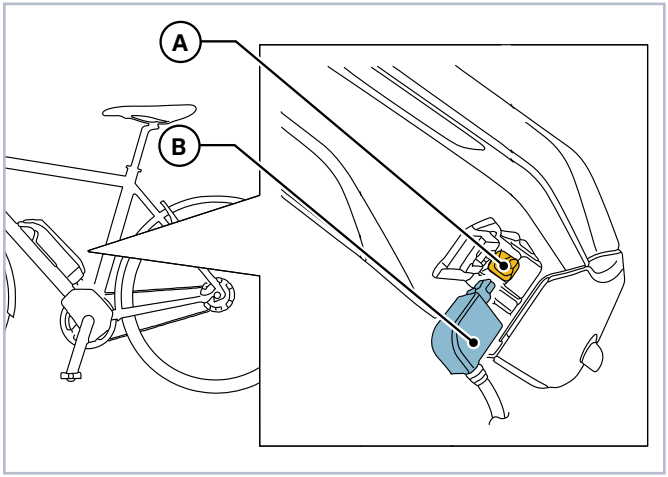
⚠ Warning	Please do not move the bicycle when you charge the battery while it is fitted on the bicycle. The charger's plug may loosen and partly disconnect from the socket, which may cause a fire hazard.
⚠ Warning	**When charging, place the charger on the floor or other firm surface. Make sure that the bicycle is table during charging and cannot fall over.**

1. Connect the battery charger's plug to the socket.
2. Insert the charging plug (**B**) into the charging connection (**A**).
3. When the charging is complete, attach the charging port cover firmly into place.

Carrier-mounted battery type

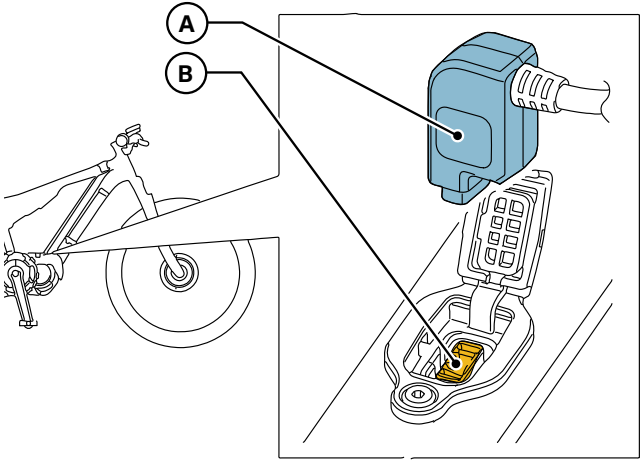


External battery type



Note	You cannot power on the bicycle during charging.

Integrated battery type



1. Connect the battery charger's plug to the socket.
2. Insert the charging plug (A) into the charging connection (B).
3. When the charging is complete, attach the charging port cover firmly into place.

⚠ Warning	If the battery does not become fully charged even 2 hours after the designated charging time, immediately unplug the battery from the outlet and contact the place of purchase. Doing otherwise may cause it to overheat, burst or catch fire.

5.5 RIDING AN ELECTRIC BICYCLE IN AN OPTIMAL MANNER

Gears

Use the various gears evenly when riding. This ensures that the wear and strain on the gearwheels and chains are as balanced as possible. If you only use a few of the smallest gearwheels, they will wear faster than the other ones and necessitate more frequent maintenance. This also applies to bicycle models other than electric bicycles.

Use the gears as you would when riding without assistance and shift to the necessary gear in advance:

- use a low gear for climbs and if you are transporting a heavy load
- Use a high gear for downhill slopes and higher speeds

Assist

The following factors increase the battery's operating range:

- choosing the correct assist level
- fully charged and new battery
- appropriate maintenance and cleaning of the bicycle
- appropriate charging and storage of the battery

Change the assist method according to the riding conditions.

assist level	Recommended uses
Light assist	When riding a long distance on flat terrain or when you want to reduce battery power consumption
Normal assist	When riding on flat terrain or up a gentle slope
Heavy assist	When riding up a steep hill

The following factors decrease the battery's operating range:

- uphill riding, and repeated stops and starts
- riding on unpaved streets and roads
- high total bicycle weight (bicycle, rider, possible cargo being transported)
- high average speeds
- continuous use of the heavy assist
- ambient temperature below 10°C and above 40°C
- low tyre pressure

If the battery charge is low, deactivate the assist to save the battery.

Note	It is more straining to ride an electric bicycle without assistance than to ride a manual bicycle.

5.6 SAFETY INSTRUCTIONS CONCERNING ELECTRIC BICYCLES

⚠ Warning	Please read these safety instructions carefully. Neglecting the instructions may cause a dangerous situation.
⚠ Warning	If there are any faults or issues in the product's operation contact the place of purchase.
⚠ Warning	Do not open the motor yourself. Instead, always contact a professional bicycle maintenance shop in the event of a fault.

Battery

- Store the battery is a safe place so that it cannot fall or be damaged and cannot be reached by children or pets..
- The battery must not be exposed to direct sunlight or in any hot location, such as near heating equipment. The battery may explode or combust.
- Do not use the battery if it exhibits clear damage, such as scratches and discolouration, or if it is abnormally warm. The electric bicycle's battery stores a large amount of energy. For this reason, the battery can explode or catch fire if it is damaged or misused.
- If you expect that the bicycle will not be used for an extended period of time, store it indoors at roughly 10–20°C with a charge level of roughly 70%. Also make sure that the battery is not drained completely by charging it every 6 months.
- Only use the battery intended for the electric bicycle in question.
- Charge battery immediately if it is fully discharged.

– Handle the detached battery carefully to prevent strong impacts and damage. These may result in the battery overheating, exploding or catching fire.
– Do not deform, modify or disassemble the battery and do not apply solder directly to the battery. Doing so may cause the battery to leak, overheat, explode or ignite.
– Do not heat the battery or place it on an open fire. The battery may explode or combust.
– The battery's recommended operating temperature: -10 °C–50 °C. The battery can be used in colder conditions, but outside the recommended temperature range, the battery's properties deteriorate and there may be significant deviation from the estimated battery capacity.
– If an electric bicycle's battery begins to smoke or catches fire: place the battery in a sufficiently large container filled with water or sand (cover the battery) and move the container outdoors, away from flammable materials.
– Do not submerge an intact battery in water, and do not get the battery terminals wet. The battery may overheat, explode or catch fire.

Charging and the charger

– Use the charger intended for the specific battery and observe the provided charging instructions. Otherwise, the battery may overheat, explode or catch fire.
– Do not use the charger if the cable, plug or housing is damaged
– Please do not move the bicycle when you charge the battery while it is fitted on the bicycle. The charger's plug may loosen and partly disconnect from the socket, and this may cause a fire hazard.
– Do not charge the battery outdoors or in moist environments. Doing so may cause an electric shock.
– If the battery does not become fully charged even 2 hours after the designated charging time, immediately unplug the battery from the outlet and contact the place of purchase.
Doing otherwise may cause it to overheat, burst or catch fire.

– While charging the battery, the temperature should be 0 °C–40 °C. Do not charge the battery outside this temperature range. If the battery is charged or stored in an environment hotter or colder than the specified temperature range, it could cause a fire, injury or malfunction
– If using the charger abroad, check the local grid's voltage and the charger's approved range of input voltages.

6 LOCK AND KEYS

It is always worth locking the bicycle with care, even for a short period. Many bicycles are equipped with an easy-to-use frame lock, which efficiently prevents the bicycle from being ridden. However, a frame lock does not prevent the bicycle from being carried away and stolen. For this reason, it is worth using an additional lock, even on bicycles with a frame lock in areas with a high risk of theft and when stored for extended periods.

Robust U-shaped, chain and folding locks provide the best security against thieves. Wire locks and other lighter locking methods can be used for shorter-term locking and in areas where the risk of theft is low.
The bicycle should be locked at the frame to a solid object, preventing the bicycle from being carried away. Where possible, it is also worth locking any easily removable parts, such as the front and rear wheels.

If you have lost the keys to a lock, it is often easiest to replace the entire lock. However, it is possible to have new keys made from some locks if the key code is available. The key code can be found on the key and warranty card. Please note that the lock's manufacturer and/or supplier has no knowledge of the key codes.

More information about ordering keys is available at the address: helkamavelox.fi

7 CLEANING AND MAINTAINING THE BICYCLE

By maintaining and cleaning your bicycle regularly, you can extend its service life.

7.1 CLEANING

Wash your bicycle regularly with clean water, even if it is only slightly dirty, and especially when you have used the bicycle in muddy or dirty conditions. It is also a good idea to clean your bicycle regularly in winter, because road salt can damage it.

Use a soft brush or sponge and a cleaning cloth. Specifically designed washing agents are available for washing bicycles.

– After washing, dry the bicycle and its components: Prolonged exposure to moisture may cause corrosion. In freezing temperatures, moisture can cause the power transmission, levers and buttons to freeze.
– You can protect the paint of the bicycle frame with car wax, for example.
– It is a good idea to apply high-quality bicycle chain lubricant on the chain on a regular basis, especially after washing the bicycle.
– Check that the reflectors are clean and clearly visible.

⚠ Warning	- Do not wash the bicycle with a pressure washer. - Do not aim a water jet directly at wheel hubs or other bearings. - Do not use strong cleaning agents to clean the bicycle or its components.
⚠ Warning	Do not aim a water jet directly at the electrical components, battery or motor of an electric bicycle.

7.2 MAINTENANCE

Regular and professional servicing ensures that cycling is pleasant and extends the bicycle's service life. Regular maintenance extends the service interval and reduces the costs of servicing.

It is worth marking down the services completed for the bicycle using the maintenance table provided in the instruction manual. It is easy to use the table to check when any components have been replaced. Regular logged services also help retain the resale value of the bicycle. Therefore, take this booklet with you when you take your bicycle for servicing.

Even if the bicycle is only used occasionally, a more thorough service should be carried out once a year. The best time to carry out the service is in the autumn, before storing the bicycle for the winter. If the bicycle is used a lot, it may require two or more services during the year. We recommend servicing the bicycle roughly every 2000–3000 riding kilometres after the initial maintenance.

It is a good idea to check tyre pressure at least once a month. Check the tyres regularly for damage and wear. Replace damaged or worn tyres immediately with new ones. If you are unsure of any part of the tyre replacement or the riding condition of the bicycle, we advise you to contact a professional bicycle shop.

8 RECYCLING INSTRUCTIONS

An electric bicycle is classified as electrical- and electronic equipment, while a bicycle is considered metal. Observe local recycling instructions.

	The motor, display, charger and lights of an electric bicycle are electrical and electronic devices which must be recycled appropriately. More information is available at serkierratys.fi
	Electric bicycle battery

Factory packaging:

- Boxes: Cardboard 20 PAP recycle as cardboard
- Cellular plastic bag: 07 O (04 LDPE, 02 HDPE) recycle as plastic packaging
- Bubble wrap: 04 LDPE recycle as plastic packaging
- Airplus air cushions: 02 HDPE recycle as plastic packaging
- Zipper bags: 04 LDPE recycle as plastic packaging
- Cable ties: 07 O PA recycle as plastic packaging

Battery: Adhere to local recycling instructions. All outlets that handle lithium-ion batteries are obliged to accept batteries for recycling free of charge. More information is available at https://www.kierratys.info/paristot.

Factory packaging: Take the cardboard and paperboard as well as plastics to suitable collection points for recyclable materials. Adhere to local recycling instructions.

Tyres and inner tubes: Do not dispose of tyres and inner tubes with domestic waste. Instead, observe local recycling instructions.

Lubricants and treatment agents: Do not dispose of lubricants and treatment agents with household waste or pour them into the sewer system or the environment. Observe the instructions on the packaging as well as local recycling instructions.

9 WARRANTY AND LIABILITY FOR DEFECTS

All bicycles manufactured, produced and imported by Helkama Velox Oy are subject to a general liability for defects, which covers all of the bicycle's components. The scope of the liability for defects includes any defects caused by manufacturing, material or design errors. Product liability does not cover faults caused by normal wear and tear, insufficient servicing or incorrect use.

Helkama bicycle's frame warranty:

Steel frames and forks 5 years

Aluminium frames 5 years

Carbon fibre frames 2 years

More information about the additional terms of the manufacturer's voluntary warranties can be found in the other documentation supplied with the bicycle. If you are uncertain about your bicycle's warranty, contact the retail store or visit helkamavelox.fi.

Warranty matters are primarily handled through the retail store or service company authorised by the retail store. You can contact your local authorised warranty service if the issue cannot be re-solved through the retail store. You can find the warranty service locations authorised by Helkama at helkamavelox.fi.

9.1 WARRANTY TERMS

The warranty shall enter into force on the date that the bicycle has been transferred to the buyer.

The warranty only applies to private consumer use.

The warranty covers faults caused by manufacturing and material errors.

The warranty does not cover faults caused by normal wear and tear, misuse, competition or rental use, insufficient servicing, use of incompatible spare parts, incorrect repairs or installations and structural modifications without the manufacturer's written consent.

Minor cosmetic defects, such as irregularities in paint, lacquer and chrome treatment, that are caused by normal use and do not affect the product's durability or usability are not covered by the warranty.

Damage caused during transport is excluded from the warranty.

The warranty does not limit the liability for defects referred to in the Consumer Protection Act.

We want to remind you to regularly inspect the riding condition of the bicycle as referred to in this booklet, and to pay attention to the correct riding method.

No city bicycles manufactured or imported by Helkama Velox Oy are intended for wheelies or other tricks, for example.

Helkama Velox Oy Hanko, Finland
helkamavelox.fi