



V1.9.18

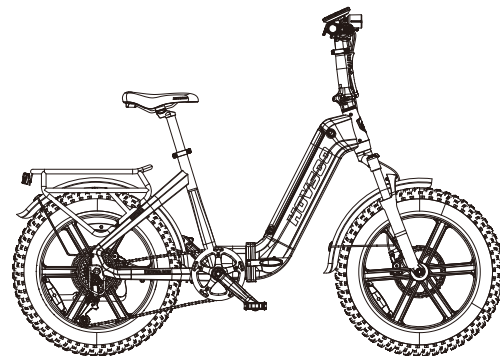


Installation Video



# User Manual

HovBeta Electric Bicycle



HovBeta Foldable

**Thank you for purchasing HOVSCO's HovBeta Foldable E-Bike.**

We are so proud to provide you with a quality product that will be enjoyed for many years to come. Before assembling and riding your Ebike, please ensure that you read and understand this manual completely.

**Vielen Dank für den Kauf des HovBeta Klappprads von HOVSCO.**

Wir sind sehr stolz darauf, Ihnen ein Qualitätsprodukt zu bieten, das Sie viele Jahre lang genießen werden. Bevor Sie Ihr Ebike montieren und fahren, stellen Sie bitte sicher, dass Sie dieses Handbuch vollständig lesen und verstehen.

# CONTENTS

English ..... 01-40

Deutsch ..... 41-60

## USING THIS MANUAL

This contains information about the product, its equipment, as well as instructions for its operation and maintenance. To ensure safe use and prevent accidents, make sure you read the manual carefully and familiarize yourself with the ebike before using it. There are many warnings and cautions in this manual regarding the safe operation of the machine and the consequences in the event of improper setup, operation, and maintenance. If you have any questions about the information in this manual, you should contact us immediately.

Notes, warnings, and cautions contained in the manual and the paragraphs marked with the triangle Caution Symbol at the left should be read carefully. Attention should also be paid to the information beginning with NOTICE in this manual.

Keep this manual, along with any other documents you received with your Ebike, for future reference, but the content may change at any time without notice. We make every effort to ensure the accuracy of its documentation and will not be held liable for any errors or omissions contained therein.

Considering the difficulties of anticipating every situation or condition that may arise when riding, this manual cannot make any guarantees about the safe use of ebikes under all conditions. Risks associated with using any Ebike cannot be predicted or avoided and are solely the responsibility of the rider.

## GENERAL SAFETY

### INSTRUCTIONS PERTAINING TO RISK OF FIRE or ELECTRIC SHOCK

#### VITAL SAFETY INSTRUCTIONS

**WARNING!** Basic precautions should always be followed when using this product, including:

- Read the instructions before use.
- When the product is used near children, close supervision is necessary to reduce the risk of injury.
- Do not put fingers or hands into the product.
- Do not use this product if the flexible power cord or output cable is frayed, has cracked insulation, or shows other signs of damage.
- The equipment should not be used at temperatures below -4°F (-20°C) or above 149°F (65°C).
- The battery should be charged at temperatures between 32°F (0°C) and 86°F (30°C). Do not charge the battery at temperatures outside of this range.

**WARNING!** It is your responsibility to comply with all traffic laws and to use the proper equipment. This includes wearing the proper clothing and maintaining your Ebike.

Comply with all local ebikes traffic laws and regulations.

Be sure to obey local laws regarding ebikes lighting, ebikes licensing, ebikes path and trail use, helmet laws, child cycling laws, and special ebikes traffic laws. It is your responsibility to know and obey your local laws.

- Always wear a properly fitted helmet that covers your forehead when riding a Ebike. Specific safety devices are required in many locations. You are responsible for familiarizing yourself with the local laws, rules, and regulations where you ride, including equipping yourself and your Ebike accordingly.
- A rider's weight and luggage should not exceed 450 lbs / 204 kg unless otherwise stated.
- Before you ride your Ebike, always check to make sure everything is working properly and correctly aligned.
- Become familiar with your ebike's controls, such as brakes, pedals, shifting, etc.
- When pedaling, keep all body parts and obtrusive objects clear of the sharp chain rings. Wear proper clothing to prevent injury.
- While riding, remember you are sharing the road or path with others. i.e. motorists, pedestrians and other cyclists.
- Always ride defensively. Assume others don't see you and expect the unexpected.
- Always be aware of your surroundings. Be alert and responsive to:

- Motor vehicles of all kinds and from all directions.
- Unexpected movements of obstacles.
- Nearby pedestrians.
- Children and animals in the area.
- Imperfections on Ebike paths or paved roads such as potholes, uneven surfaces, loose gravel construction, and debris.
- Warnings, hazards, and yield signs.

- Make use of designated Ebike lanes when available, and ride traffic-directed.
- Always stop at stop signs and traffic lights.
- Before continuing on, look both ways at street intersections after coming to a complete stop.
- Use official hand signals when turning or stopping.
- Do not wear headphones while riding.
- Don't hold onto another vehicle.
- Avoid weaving through traffic or making sudden movements or turns.
- Cyclists are subject to the same right-of-way rules as motorists. A bicyclist should always be prepared to yield.
- Never ride under the influence of alcohol or drugs.
- Avoid riding in bad weather when visibility is obscured, for example, at dawn, dusk, or at night. Such conditions increase the risk of an accident.

## Wet Weather

**It is recommended to not ride in wet weather if avoidable. Ride in wet weather only if necessary.**

Using an Ebike in heavy rain or in streams is not recommended. Do not immerse or submerge this product in water or liquid as the electrical system could be damaged.

- Use this ebike with caution in wet weather.
- Decrease your speed in slippery conditions to help you control the Ebike.
- It takes longer to slow down and come to a stop in wet conditions than in dry conditions.
- Make sure you are visible to others on the road. Wear reflective clothes and use approved safety lights.
- In the rain, road hazards are harder to see; take caution.

## NIGHT RIDING

When riding at night, cyclists should exercise extra caution. Night riding can be more dangerous than riding in the daylight for bicyclists because motorists and pedestrians have a difficult time seeing them.

Those who are aware of the increased risks should take extra precaution when riding at dusk, at night, or when drawing. It is important to wear appropriate gear and use specialized equipment when riding in unfavorable conditions to reduce the risk of injury.

**Warning!** Do not rely on reflectors as a substitute for illumination. If the necessary lights and reflective gear aren't used, cyclists are virtually invisible to other cyclists and motorists. Be sure to use reflectors and lights to make yourself visible if you're riding at night. Insufficient lighting can lead to serious injury or death. As a moving cyclist, reflectors are designed to reflect off of car and street lights to help you become more visible and recognizable when riding.

**Caution!** Regularly inspect the reflectors and mounting brackets of your reflectors to ensure they are straight, secure, and clean. Make sure you comply with all local laws regarding night riding. The following are recommended.

- Wear light-colored, reflective clothing and accessories to enhance your visibility. There are plenty of suitable reflective clothing options available: Vests, armbands, leg bands, stripes on your helmet, and blinker attached to your body and or ebikes.
- Make sure that your clothing or miscellaneous items do not obstruct your reflectors and lights
- Make sure that your ebikes is equipped with reflectors for riding at dawn, dusk or at night.
- Always ride slowly when riding at night.

## Assembly and Fit

It is essential that your Ebike is assembled and fitted correctly in order to ensure your safety, performance, and comfort. Even if you have the experience, skills, and tools to complete these essential steps before your first ride, we recommends having a certified, reputable Ebike mechanic check your work.

**NOTICE:** In case you do not have the necessary experience, skill, or tools to complete assembly and fit, we strongly recommends that you have a certified, reputable Ebike mechanic complete these procedures as well as any subsequent adjustments or tuning.

**NOTICE:** During the assembling process, it is critical to secure the front wheel and check the tightness of the axle nuts on the rear wheel. Our ebikes have quick release front wheel mounting mechanisms and bolt-on rear wheels. These mechanisms can become loose or unsecured during shipping or over time. Inspect the torque and security of all wheel mounting hardware upon arrival and periodically thereafter. Both wheels need to be properly secured before operating your Ebike.

## Mandatory Equipment and Use Locations

Make sure you have all of the required and recommended safety equipment and follow all laws regarding the use of an ebike in your area before riding. For example, these laws may specify the need for mandatory equipment, use of hand signals, and where you can ride.

## Replacing Components or Attaching Accessories

By using parts or components that are not original, you can jeopardize the safety of your Ebike, void your warranty, and in some cases, make your Ebike in violation of the law.



**You are solely responsible for the replacement of original components or the installation of third-party accessories not specifically recommended for your Ebike model by HOVSCO. It may void your warranty, create an unsafe riding condition, cause damage to property or your Ebike by HOVSCO, or result in serious injury or death if you use aftermarket accessories or components that have not been tested for safety and compatibility by HOVSCO.**

## Safety Check Before Each Ride

Check the condition of your Ebike before riding it, in addition to having regular maintenance performed on it. You should consult a certified, reputable Ebike mechanic if you are unsure how to conduct a comprehensive check before every ride.

## Electrical System (Applicable to HovBeta Foldable Ebike)

Your ebike's electrical system powers several components that control different operating conditions and user preferences. It is critical that you become familiar with all aspects of your ebike's electrical system and make sure it is working before each ride. The front and rear brake levers contain power cutoff switches that disable the hub motor's assistance when applied, and both should be checked for proper operation. If your brake lever cutoff switch, pedal assist, or lighting is faulty, intermittent, or not working properly, please stop using your e-bike and contact us.

### Brakes

Ensure that the brakes and their system components are free from damage and are working properly. The front and rear brake levers should not touch the handlebar when fully squeezed. If you notice a problem with your Ebike's brakes, have them repaired by a certified, reputable Ebike mechanic.

### Tires and Wheels

If your wheels wobble side to side or up and down when you spin them, they must be repaired or replaced. If your wheels become untrue or your spokes loosen due to normal use, we recommend that you have a certified, reputable Ebike mechanic perform wheel tuning and truing operations on your Ebike. Unless you have adequate knowledge, tools, and experience, do not attempt to true wheels or tighten spokes. Ensure that the tires and inner tubes are in good working condition and have the proper air pressure. Always replace tires and inner tubes with punctures, cuts, or damage before riding. Incorrectly inflated tires can decrease performance, increase tire and component wear, and make riding your Ebike unsafe.

### Accessories, Straps, and Hardware

Make sure all hardware and approved accessories are properly attached according to instructions provided by the component manufacturer. It is a good idea to check overall hardware, straps, and accessories before each ride. If you discover anything amiss or something you're not sure about, have it checked by a certified, reputable Ebike mechanic.

### Handlebar, Grips, and Seat Adjustments

Make sure the handlebars and handlebar stem are aligned properly, fitted to the user, and torqued to their recommended values. Make sure the handlebar grips are not loose on the handlebar end. If your handlebar grips are loose, worn, or damaged, you should replace them before you ride. Before riding, the seat and seat post should be properly aligned, fitted to the user, and the seat post quick release should be properly tightened, closed, and secured.

### Battery Charged, Secured, and Unplugged

Make sure the battery is adequately charged and operating properly. Before you ride, ensure the battery charger is unplugged from the outlet, and the battery is stored in a safe place. The battery must be locked securely to the frame battery mount before you ride. If the battery is removed, don't operate the electrical system. Make sure you push hard enough when installing the battery into the frame, and hear the "CLICK" sound.

## CHARGER SAFETY INFORMATION

- You should only use the charger indoors, in a cool, dry, ventilated area, on a flat, stable, hard surface.
- Avoid contacting the charger with liquids, dirt, or metal objects. Do not cover the charger while it is in use.
- Place the charger in a safe place away from children.
- A fully charged battery can help extend the life of the battery and reduce the chance of over discharging.
- The battery should not be charged with any charger other than the one originally supplied with our ebike or a charger designed specifically for your ebike, purchased directly from our ebike.
- This charger works on 110/240V 50/60 Hz standard home AC outlets and automatically detects and accounts for incoming voltage. It should not be opened or modified in any way.
- The cables should not be pulled or yanked. Carefully unplug both the AC and DC cables by pulling on the plastic plugs directly, and not on the cables themselves.
- The charger is expected to become relatively warm during charging. If the charger becomes too hot to touch, emits a strange odor, or shows any other signs of overheating, please stop using the charger and contact our support team.



**Only use the charger that originally came with our e-bike. Never use an aftermarket charger as damage, serious injury, or death may result.**



**When charging your e-bike, carefully follow the instructions and safety information in this manual. Failure to follow proper charging procedures may result in damage to your e-bike, charger, or personal property, or even serious injury or death.**



**To ensure safety, please use our chargers. We cannot be held responsible for any issues or consequences arising from the use of chargers that are not authorized by us.**

### General Operating Rules

**Attention:** Before you use our electric bicycle, please ensure you pay attention to all the general operating rules below.

- Be sure to obey the same road laws as all other road vehicles in your area.
- To learn more about traffic/vehicle laws in your area, contact the local road traffic authority.
- Ride predictably, in a straight line, and according to traffic flow. Never ride against traffic.
- Use the correct hand signals when turning.
- Ride defensively; you may be hard to see to other drivers.
- Concentrate on the road ahead. Avoid potholes, gravel, wet or oily roads, wet leaves, curbs, train tracks, speed bumps, drain gates, thorns, broken glass, and other obstacles, hazards, and puncture flat risks.
- Cross train tracks at 90-degree angles or walk your Ebike across.

- Expect the unexpected, such as opening car doors or backing out of driveways.
- Be careful at intersections and when passing other vehicles or cyclists.
- Before riding in more dangerous conditions, please familiarize yourself with the features and operation of the electric bicycle. Practice and become proficient at shifting gears, braking, and using the pedal assist system in a controlled environment.
- Wear proper riding apparel and close-toed footwear. If you are wearing loose pants, use leg clips or elastic bands to prevent them from getting caught in the gears or chain. Do not use items that may restrict your hearing.
- Be sure to check your local rules and regulations before carrying cargo.
- When braking, use the rear brake first, then the front brake. When brakes are not applied correctly, they may lock up and lead to you losing control and/or falling.
- Keep a comfortable distance from other objects, riders, and vehicles. Safe braking distances are based on factors such as road surface and light conditions among other variable.

## Safety Notes

Listed below are safety notes to help you operate your Ebike safely. Please review them carefully. Failure to review these notes can lead to serious injury or death.

- Users must read and understand this manual before riding an Ebike. There may also be manuals for components on the Ebike, which should be read before installation or use using those components.
- Make sure you understand all instructions and safety warnings.
- Before you start riding, make sure the Ebike fits you properly. Too large or too small a Ebike may cause you to lose control or fall.
- Wear an approved ebikes helmet whenever you ride a Ebike and follow all instructions from the helmet manufacturer regarding fit and care of your helmet. Failure to wear a helmet when riding may result in serious injury or death.
- Check your Ebike's setup, tightening, and torque to recommended torque values before you use it, and regularly check the condition and tightness of components and hardware.
- In the area(s) in which you ride, it is your responsibility to familiarize yourself with the laws and requirements of operating this product.
- Ensure the handlebar grips are in good condition and properly installed. Loose or damaged grips can cause you to lose control and fall.
- This product must not be used with standard e-bike trailers, stands, vehicle racks or accessories that have not been tested by us for safety and compatibility and have not been proven safe or compatible.
- In addition to requiring special skills, off-road riding has a variety of conditions and hazards. Wear appropriate safety gear and do not ride alone in remote areas. Check local rules and regulations about whether off-road ebike riding is allowed.
- DO NOT ENGAGE IN EXTREME RIDING. This includes, but is not limited to, jumps, stunts, and any kind of riding that is beyond your capabilities. Although many articles/advertisements/catalogs depict extreme riding, this is not recommended nor permitted, and you can be seriously injured or killed if you perform extreme riding.
- There are limitations to the strength and integrity of ebikes and Ebike parts, and extreme riding, such as but not limited to jumps, stunts, etc. can cause damage to Ebike components and/or cause or lead to dangerous riding situations, in which you may be seriously injured or killed.

- A failure to perform and verify proper installation of a component or accessory, its compatibility, its operation, or its maintenance can result in serious injury or death.
- You must consider your Ebike unsafe to ride until you consult a certified, reputable Ebike mechanic for a thorough inspection of all components, functions, and operations.
- You may void your warranty if you fail to charge, store, or use your battery correctly.
- Each time you ride, you should make sure the brake motor cutoff switches are working properly. The brake system is equipped with an inhibitor that cuts off power to the electric motor whenever the brakes are squeezed. Check proper operation of brake motor cutoff switches before riding.
- The pedal assist sensor on this product should be used with extreme caution. Make sure you understand and are prepared to engage pedal assist as soon as you pedal.
- Before using an electric bicycle, users must understand how the pedal assist device works and must choose an appropriate speed based on the area of use, riding conditions, and their level of experience. Until you are familiar with the electric bicycle and confident in controlling the power, always use the lowest assist level.
- Any after-sales changes to your e-bike without our express approval may void your warranty and create an unsafe riding experience.
- The fact that electric ebikes are heavier and faster than regular ebikes requires extra caution and care while riding.
- When riding in wet conditions, you should slow down and increase braking distances. Feet or hands can slip in wet conditions and lead to serious injury or death.
- Do not remove reflectors.

## General Warnings

Bicycling, like any sport, carries risk of damage, injury, and death. As you choose to ride a Ebike, you assume that risk, so you need to know, and practice, the rules of safe and responsible riding as well as how to use and maintain the Ebike properly. The proper use and maintenance of your Ebike reduces the risk of damage, injury, and death. Do not combine biking with controlled substances. Never operate a Ebike while under the influence of alcohol, drugs, or any substance that could impair motor functions, judgment, or your ability to handle a Ebike or other vehicle safely.

HovBeta is designed for use by persons aged 18 and older. In order to ride safely, riders must have the physical condition, reaction time, and mental capability to manage traffic, road conditions, and sudden situations, as well as respect the laws governing the use of electric ebikes in the location they ride, no matter how old they are. Consult your physician before riding any ebikes if you suffer from an impairment or disability such as a visual impairment, hearing impairment, physical impairment, cognitive impairment or seizure disorder.

## A Note for Parents and Guardians

You are responsible for the activities and safety of your child as a parent or guardian. Children under the age of 18 should not use HovBeta. If you are transporting a child in a child safety seat, they should also be wearing a properly fitted and approved helmet.

**WARNING!** We assume no responsibility for accidents, injuries, or product failure resulting from unauthorized modification or tampering with any part of the original specifications.

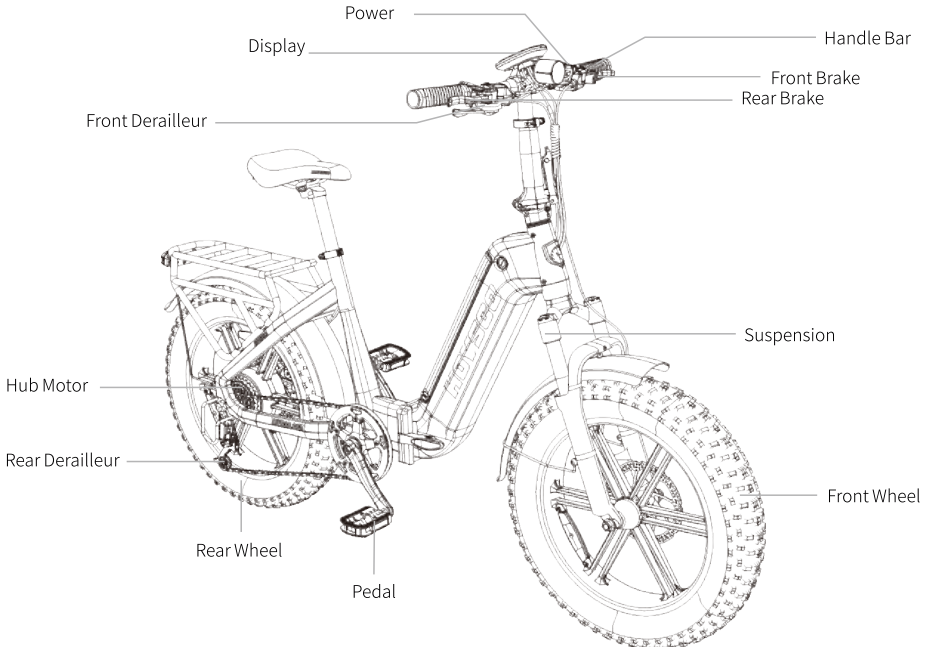
**SAVE THESE INSTRUCTIONS**

**SPECIFICATIONS**

|                          |                               |
|--------------------------|-------------------------------|
| Model Name               | HOVSCO HovBeta Folding E-Bike |
| Max load Capacity        | 450 lbs / 204 kg              |
| Max Speed                | 15.5 mph (25km/h)             |
| Motor                    | 250 W                         |
| Battery                  | 48 V 720 Wh                   |
| Range Average Per Charge | 40Km (24.85Miles)             |
| Wheel Size               | 20*4"                         |
| Tire Pressure            | Max 20 PSI                    |
| Light                    | Front/Rear                    |
| Charger                  | 54.6 V 2.0 A                  |
| Charging Time            | Approx 7 Hours                |
| Water Resistance         | IPX4                          |
| Weight                   | 69 lbs / 31.3 kg              |

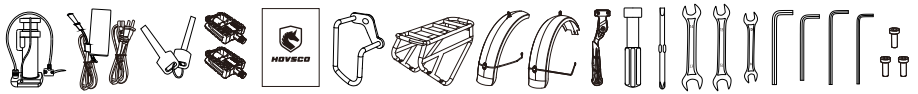
\* Range Per Charge is measured under the conditions that power is sufficient, with a 75kg load, at 86°F(30°C), 70% humidity, on a level road, in pure electric riding mode.The results may vary depending on the temperature, load, wind speed, road conditions, and other factors.

**INSTALLATION INSTRUCTION**



**WHAT' S IN THE BOX**

- 1\* Charger
- 1\* Charger cable
- 1\* Screwdriver
- 4\* Hex keys 3/4/5/6mm
- 3\* Wrenches 8-10 13-15 14-17
- 1\* Owner's manual
- 1\* Left pedal
- 1\* Right pedal
- 1\* Kickstand
- 1\* Rear rack
- 1\* Front fender
- 1\* Rear fender
- 1\* Rear Derailleur Guard Rack Protector
- 3\* Cup head hexagon socket screws
- 1\* Tire pump



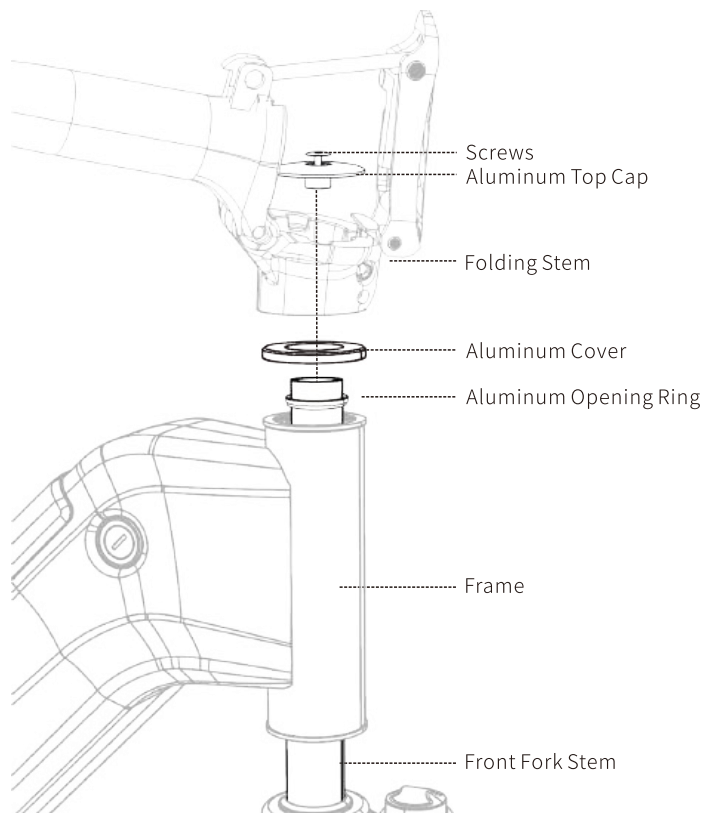
**Note:** The following steps are only intended to assist you in assembling your ebike; they are not intended to be a complete or comprehensive guide to assembly, maintenance, and repair. If you need assistance with assembly, repair, and maintenance of your ebike, contact a reputable, certified Ebike mechanic.

#### Step 1: Unpack the Ebike.

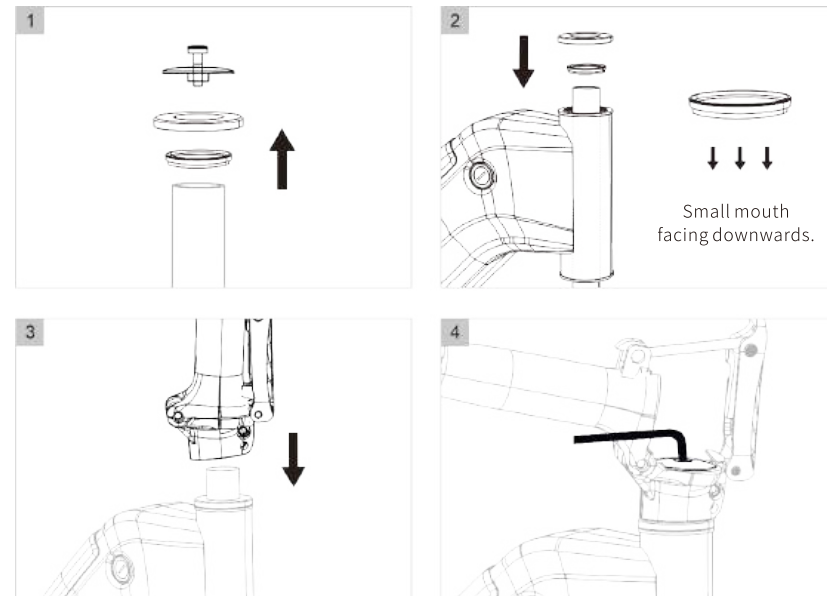
Open the box, take the front wheel out. Remove the HovBeta from the Ebike box with another person's assistance who is capable of lifting a heavy object safely. Remove the packaging material protecting the Ebike frame and components. Please recycle packaging materials especially cardboard and foam whenever possible. Take out the kickstand, a small box of charger, and the big box of tools.

**Step 2:** Remove the entire package foam and ribbon. (Be gentle if you use scissors)

#### Step 3: Install the Front Fork Stem.

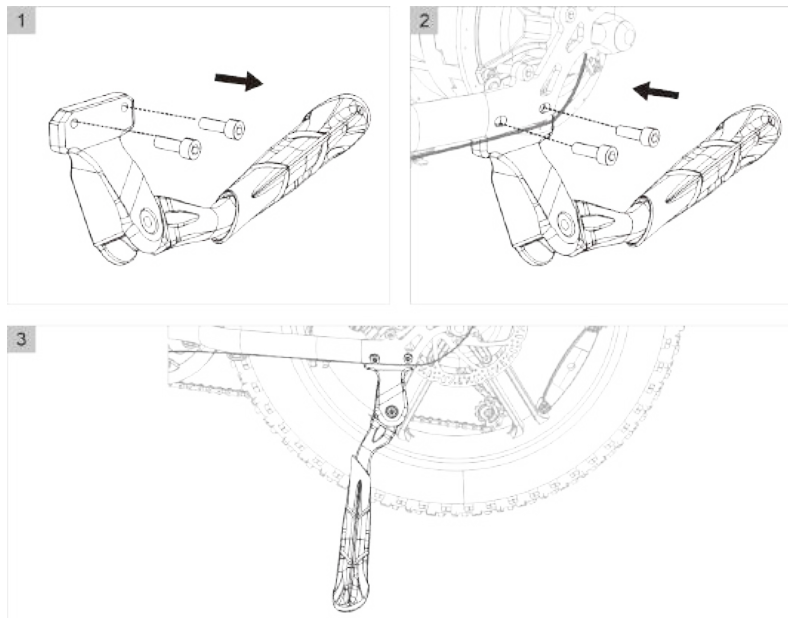
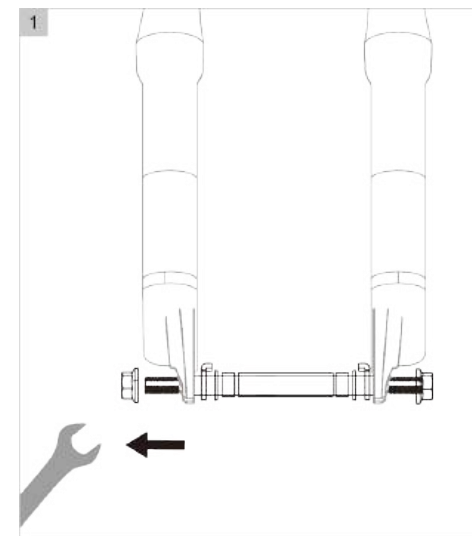


- 1-Use a 5mm hex key to unscrew the screws and sequentially remove the aluminum top cap, aluminum cover, and aluminum opening ring.
- 2-Place the frame into the front fork tube and insert the aluminum opening ring (with the small opening facing down), followed by the aluminum cover.
- 3-Insert the folding stem into the front fork tube.
- 4-Push the folding handle up to open the folding handle, then lower the valve rod. Place the aluminum top cap and tighten the screws with a 5mm hex key. Finally, raise the valve rod and snap the folding handle back into place.

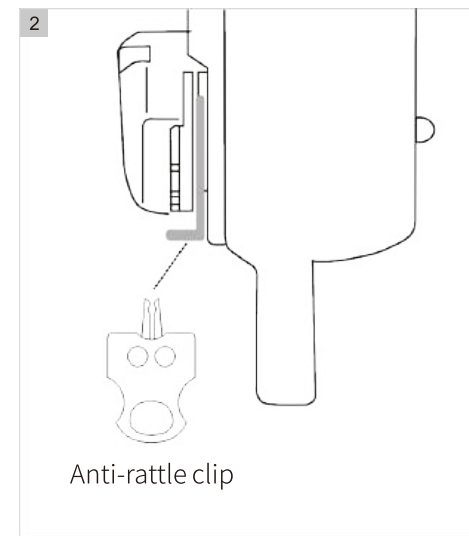


**Step 4. Install the kickstand.**

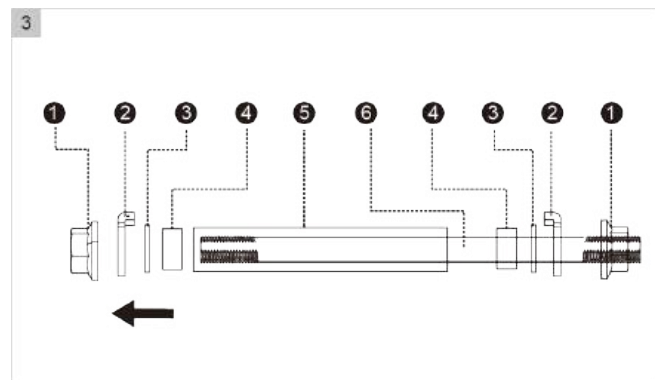
- 1- Use a 4mm hex key to remove the two screws on the kickstand.
- 2- Put the kickstand from the back of the frame, align it with the screw holes on the frame, pre-lock the screws and tighten the screws with a 4mm hex key. (Notes: Keep the motor cable above the part of the kickstand attached onto the frame.)
- 3- Put down the kickstand to stabilize the Ebike.

**Step 5. Install the front wheel.**

- 1- Use a 15mm wrench to loosen the screws on both sides and remove the front fork axle.  
Note: The accessories on the front fork axle are required for front wheel installation!

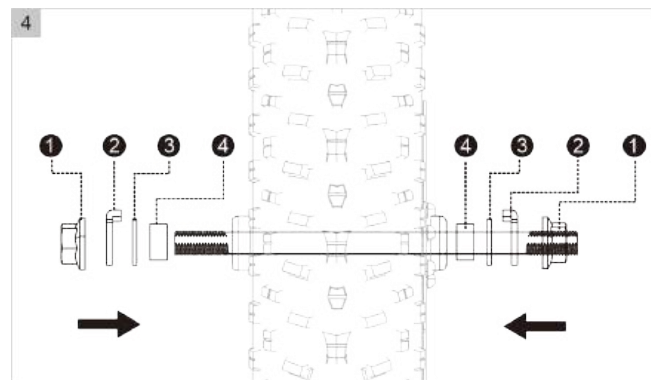


- 2- Remove the anti-rattle clip from the brake caliper.  
Note: This is packaging material and may be discarded.



3- Unscrew one side screw, then remove the 2 safety hook, 3 flat washer, and 4 sleeve washer.

Note: Remove the 5 long sleeve (This long casing is packaging material and may be discarded).

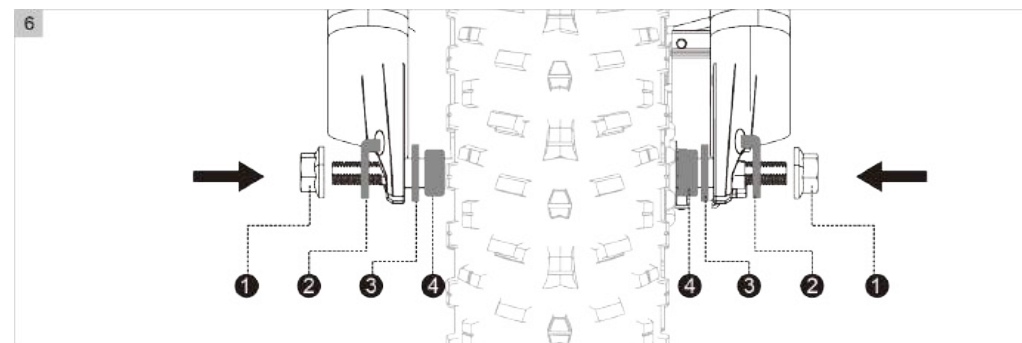


4- Insert the 6 front fork axle into the front wheel hub, then sequentially install the 4 sleeve washer, 3 flat washer, and 2 safety hook. Tighten the 1 screw.

Note: For safety reasons, strictly follow this installation sequence.

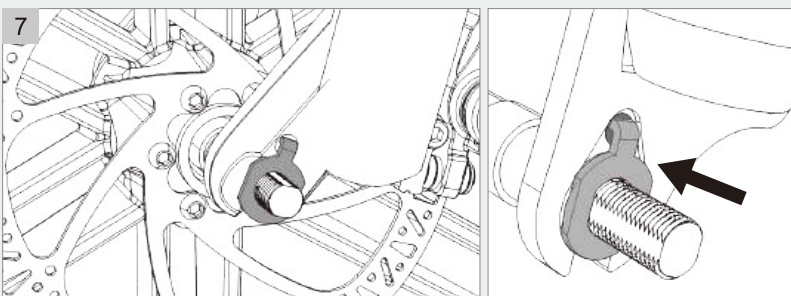
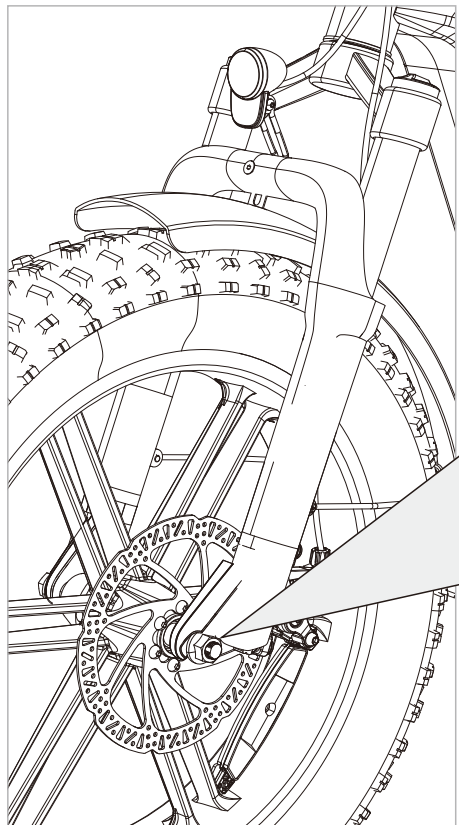


5- Pay attention to the gap in the center of the disc brake rotor layout.



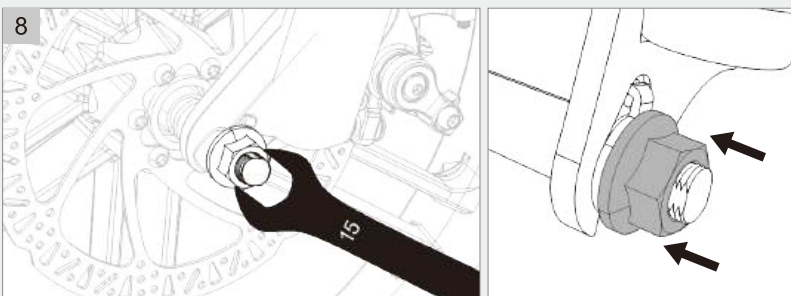
6- Mount the front wheel onto the front fork.

⚠ Note: Ensure the forks are properly aligned in sequence, with the 4 sleeve washer and 3 flat washer positioned inside the fork.



7- Engage the safety hook onto the front fork.

⚠ The safety hook must be secured into the fork's mounting hole.

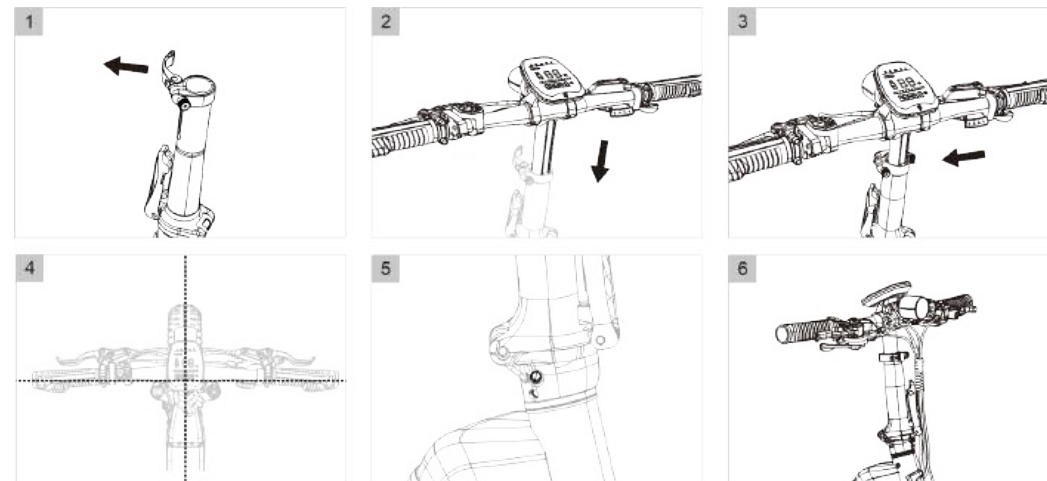


8- Use a 15mm wrench to tighten the screws on both sides.

After tightening the screw, make sure the shaft protrudes slightly on both sides, as illustrated.

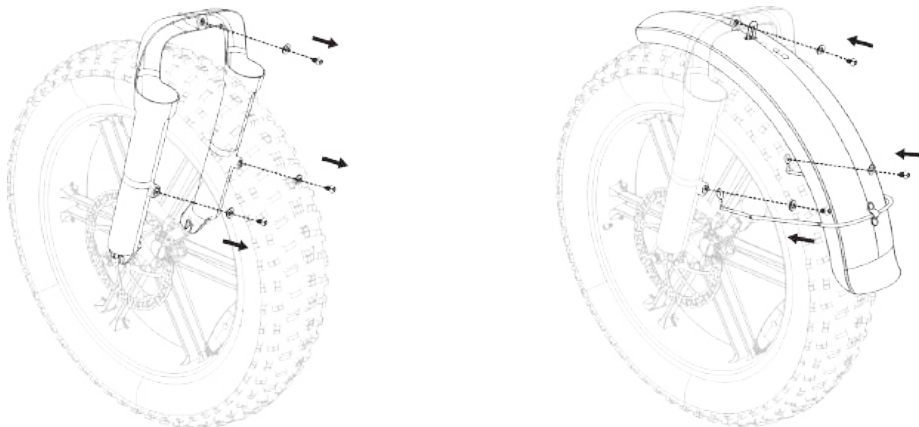
#### Step 6: Install the Stem and the Handlebar.

- 1- Open the quick-release handle.
- 2- Insert the handlebars into the handlebar tube. (Note: Align the concave side of the handlebars with the convex side of the seat tube inner wall.)
- 3- Adjust the handlebar height and lock the quick-release handle.
- 4- Adjust the angle between the front wheel and the handlebars to ensure the handlebars are vertical to the front wheel.
- 5- Once the handlebars are adjusted, tighten the two screws on the handlebar stem with a 6mm hex key.
- 6- Successful installation of the handlebar effect picture.

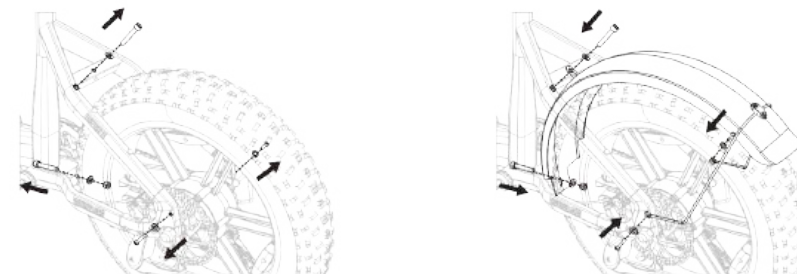


**Step 7: Install the front fender.**

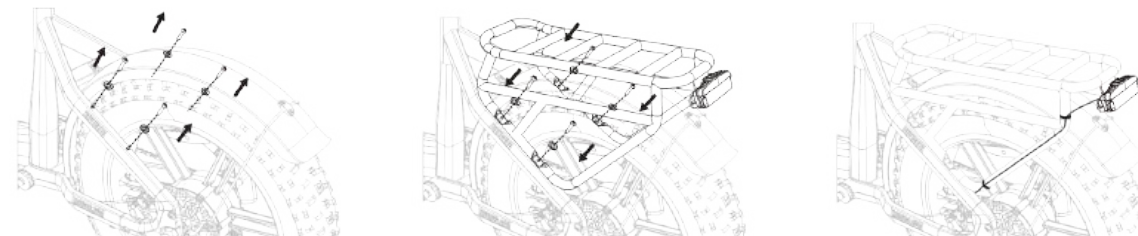
- 1- Use a Phillips screwdriver to remove the screws on both sides of the fork; then, with a 4mm hex key, remove the screws on the fork.
- 2- Insert the fender from the rear of the wheel, secure the screws on both sides of the fork using a crosshead screwdriver, and tighten the screws on the fork with a 4mm hex key.

**Step 8: Install the rear fender.**

- 1- Use a 5mm hex key to remove the screws from the rear fender mounting points on the frame.
- 2- Align the fender with the screw holes on the frame, then use a 5mm hex key and a 10mm wrench to tighten the rear fender screws.

**Step 9: Install the rear rack.**

- 1- Use a 4mm hex key and a 5mm hex key to remove the screws and washers from the rear rack.
- 2- Place the rear rack on the bike, then use a 4mm hex key and a 5mm hex key to tighten the screws and washers. (Note: Finally, adjust the angle of the rear rack and use a 13mm wrench to tighten the nuts.)
- 3- Finally, secure the wires connected to the tail light to the installed rear cargo rack using two zip ties, and trim off the excess portions of the fastened zip ties.

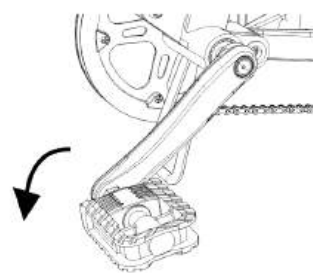
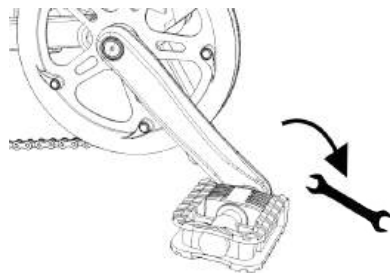
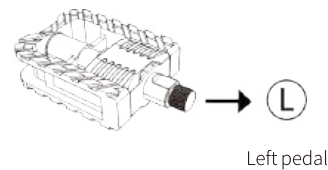
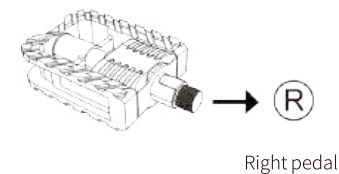


**Step 10: Install the pedals.**

**Note:** The "R" on the inside of the pedal shaft is for the right pedal, while the "L" is for the left pedal.

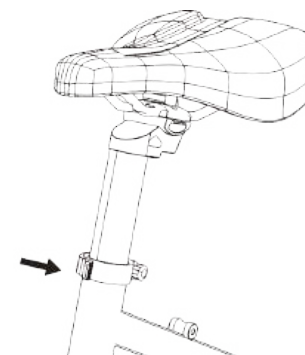
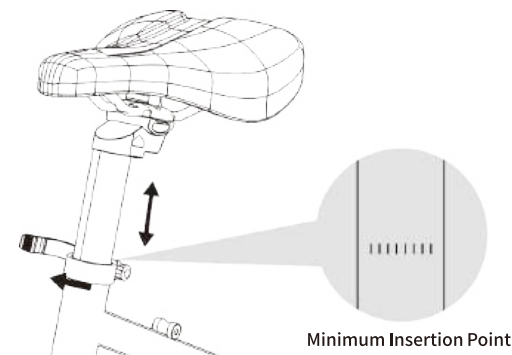
The pedal with the letter "R" is mounted on the right side and locked clockwise with a 15mm wrench.

The pedal marked with "L" is mounted on the left side and locked counterclockwise with a 15mm wrench.

**Step 11. Set the desired seat height.**

Hinge the quick release lever open fully. Adjust the seat post to a comfortable height, **while ensuring the seatpost is inserted past the top of the frame minimum insertion point.**

Using the thumb nut, tighten the clamp so that there is some resistance when the lever is in line with the clamp bolt, but do not overtighten. Ensure the seat-post cannot move by closing the quick release lever.



**Step 12: Charging port usage demonstration.**

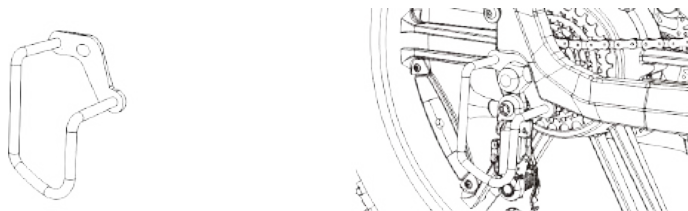
Open the dust-proof plug, insert the DC head of the adapter into the charging port.

After use, pull out the adapter and put back the dust-proof plug.

**Step 13: Install the derailleur guard**

We completely recommend going to an ebike shop and asking an ebike expert to install the derailleur guard for you.

**WARNING:** Any small mistake can cause serious damage to your motor. An improperly secured motor can cause loss of control, accidents, serious injury, or death.

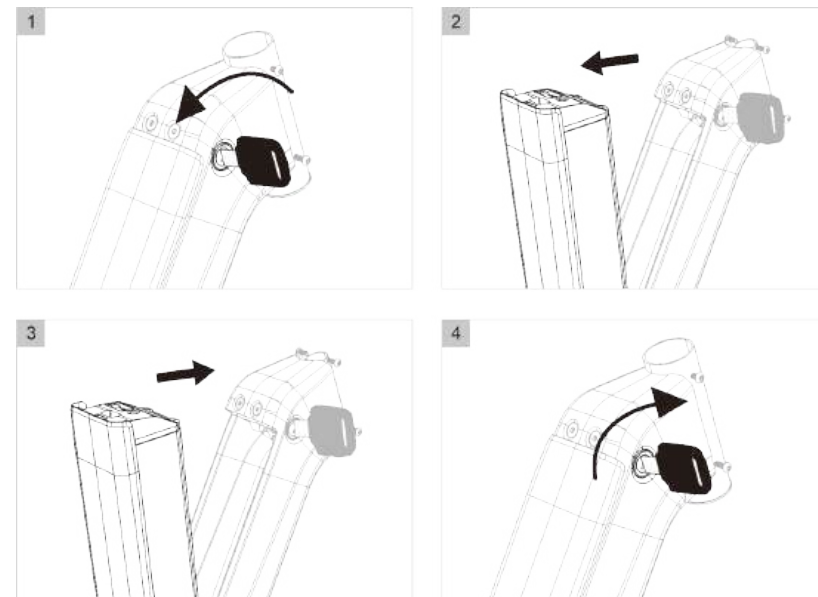
**Step 14: Battery lock usage demonstration.**

**Remove the battery:**

1-2: Turn the key counterclockwise, and then remove it.

**Install the battery:**

3-4: Place the bottom of the battery into the frame, turn the key clockwise to unlock the battery, and then remove the key.

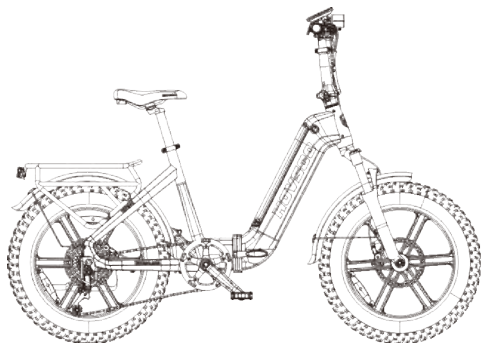


**Step 15: Check Battery and display.**

Hold down the power button circled in the picture to turn on the Ebike and the battery, 1 LED lights on the battery will light on. Red light means the battery energy level is 0%-10%. Green light means the battery energy level is 90%-100%.

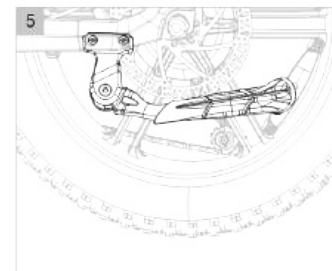
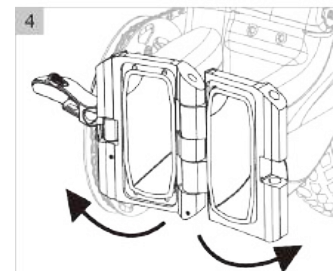
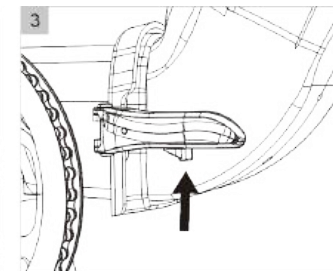
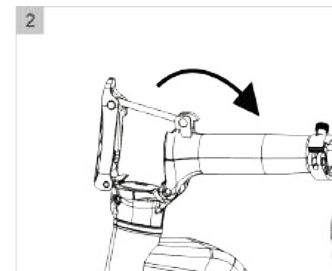
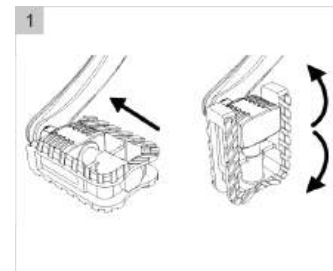
**Step 16: Inflate the tires.**

Ensure that the tires and tire beads are evenly seated on the rims. Set the tire pressure to MAX 20 PSI with a pump equipped with a A/V valve and a pressure gauge. DO NOT over inflate or under inflate tires.

**FOLD YOUR EBIKE**

Follow the steps below to fold your ebike.

- 1- Hold the crank arm vertically and fold the pedal by pushing it towards the ebike and folding it up or down.
- 2- Press and hold the folding handle on the handlebar and press up to open the folding handle, fold the handlebar.
- 3-4 Holding the latch lock up, use your other hand to open the latch by pushing the button open and pulling it away from the frame, folding the rear wheel section towards the other wheel and use the stand under the frame as needed.
- 5- Put away the kickstand.
- 6- Ebike folding effect.



## Maintenance Of Brakes

1. Disc brakes are easily affected by oil, please do not use any lubricants on or near disc brake discs, pads and calipers.
2. The running-in of the disc and the pads requires 20 to 40 braking times. After the running-in is complete, the braking force will be significantly enhanced.
3. When the thickness of the pads is less than 3mm or worn to the edge of the warning groove of the caliper, replace it at once.
4. When the pads are newly installed, the mouth of the caliper should be wiped clean.

**Notes:** If you want to change your brake pads or add brake fluid, please go to a nearby ebikes store and let an experienced mechanic help you.

## Battery Charging

### Charging Procedure

Steps to Charging an Electric Bike:

1. **Make sure the battery is off.**
2. **Remove the rubber cover from the charging port.**
3. **Plug the charger into the battery's charging port, BEFORE PLUGGING CHARGER INTO POWER OUTLET.** Whether the battery is on or off the Ebike, place the charger on a flat, stable surface, and connect the DC output plug from the charger (round barrel connector) to the charging port on the side of the battery.
4. **Plug the charger into an electrical outlet.** Connect the charger input plug (110/240-volt plug) to the power outlet. During charging, the LED charge status light on the charger will illuminate solid red, indicating that charging has begun.
5. **Disconnect the charger from the outlet, then the charging port.** When the charger has fully charged, indicated by one charging indicator light turning solid green, unplug the charger from the wall outlet first, then remove the charger output plug from the battery charging port.
6. **Battery indicator light: Red: 0%-10%. Green: 90%-100%.**

**Charge your battery at temperatures between 32 °F - 86 °F (0 °C - 30 °C) and ensure the battery and charger are not damaged before charging. PPlease contact us for assistance**

## Battery Charging Information

- Before each charge, check the charger, charger cables, and battery for damage.
- Ensure that you charge it in a place where it is clear and safe from potential damage or tripping hazards. Always charge indoors in a cool and dry place away from direct sunlight, dirt, or debris. Always charge your battery in temperatures between 32 °F - 86 °F (0 °C - 30 °C) .
- The battery can be charged on or off the Ebike. Turn the key to the unlocked position, and remove the battery.
- You should recharge the battery after every use so that it is ready to go for the next ride. There is no memory effect, so charging the battery after short rides will not damage it.
- Charging the battery normally takes 7 hours.
- The charge indicator light will turn red during charging. After charging is complete, the light will turn green. Make sure the light is facing upward when charging.
- After the green light indicates a complete charge, remove the charger from the battery within one hour. It is designed to automatically stop charging the battery after it has been fully charged, but unnecessary wear of the charging components may occur if the charger is left connected to the battery and a power source for more than 12 hours.
- You should never charge a battery for more than 12 hours at a time.
- DO NOT leave a charging battery unattended.
- For turning on the Ebike: Hold the button circled for around 2 seconds next to the display to turn on the Ebike.

## REMOVING THE BATTERY

- Turn the key to the unlocked position.
- Turn the knob above the battery anticlockwise to remove the battery from the tray.
- DO NOT touch or damage the “+” and “-” terminal contacts on the top of the battery and keep them clear of debris.

## WHEN INSTALLING THE BATTERY ONTO THE EBIKE

- DO NOT force the battery into the tray; slowly align and gently push the battery down into the tray. Ascertain that there is no gap between the battery and the tray, and that the battery is fully secured on the tray.
- Turn the key to the locked position.
- Make sure the battery is properly secured to the Ebike before each use by pulling outward on the battery with both hands after it has been locked.

**LONG-TERM BATTERY STORAGE**

- When you store your e-bike for more than two weeks, follow these instructions to maintain the health and longevity of your battery. Charge (or discharge) the battery to approximately 75%.
- Do not leave the battery on the frame. Remove it from the e-bike when storing it for long periods of time.
- Store batteries indoors at 32 - 86 °F (0 - 30 °C) in a dry, climate-controlled location. Check the battery once a month and, if necessary, charge it to 75% using an e-bike charger.



Please follow the instructions above to store your e-bike and battery. Failure to follow proper battery storage procedures may result in the battery not functioning properly. Replacement is not covered by the warranty.



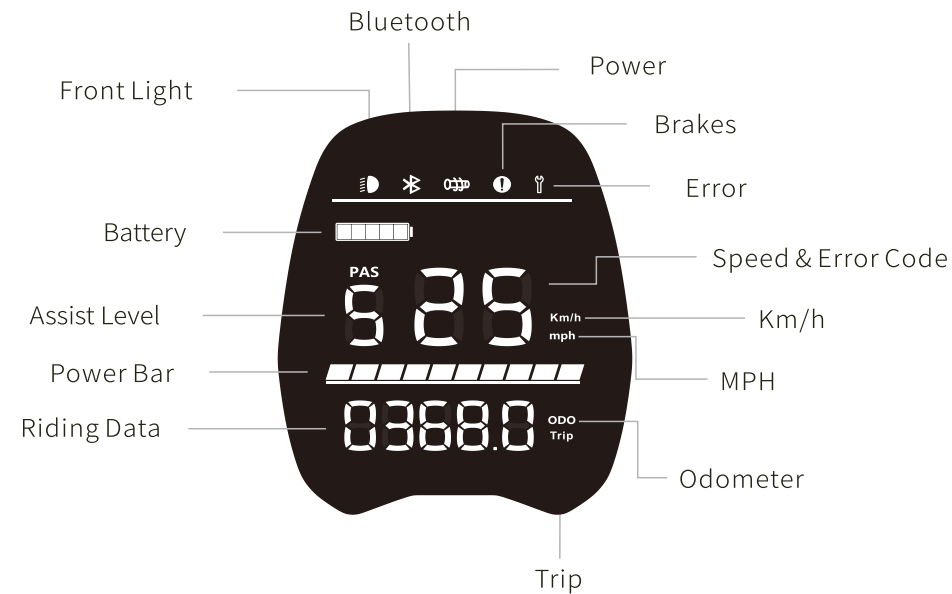
Please discontinue use and charging if the battery is damaged, non-functional, performing abnormally, or has been dropped or involved in a crash, with or without obvious signs of damage.



DO NOT cover up the charger while it is charging. The charger air cools and needs to be on a hard, flat surface in an open space. Use the charger with the indicator light facing upward. DO NOT use it when the charger is inverted, which can inhibit cooling and reduce charger lifespan.



You should not open the battery housing as doing so will void the warranty and can cause serious injury or death to you or others.

**QUICK START GUIDE**

## GETTING STARTED

When your e-bike is powered on, it is at PAS 0 and you can switch between PAS 1 to PAS 5 by pressing "+" or "-". Pedal assist only works when the e-bike is in PAS 1 to PAS 5. All e-bikes have four working modes.

- 1- Power mode only: You can ride with pure electric assistance;
- 2- Pedal assist mode, you can pedal the e-bike easily and get power assistance from the motor, use the display and buttons to adjust the assist level between 0-5 to suit your needs;
- 3- Normal e-bike mode, the assist will be Set level to 0 and pedal like a regular e-bike;
- 4-Walk mode, press and hold the minus button for three seconds to enter "walk mode", the e-bike will travel at a speed of 4.83-6.44 km/h (3-4 MPH) without human push, moving easily on challenging terrains on (e.g. narrow trails and very steep hills).

Our HovBeta have a top speed of 15.5 mph (25km/h).

## BATTERY AND CHARGING

For best results, charge the battery off the Ebike indoors in a moderately warm environment. Plug the charger into the charging port and then connect the charger to a wall outlet to charge the battery. While charging, the LED indicator light will be solid red. When charging is complete, the LED indicator light will turn solid green.

## MAINTENANCE AND SERVICE

Your HovBeta Ebike will operate smoothly and last longer if you maintain it properly. Watch the "HOW TO ASSEMBLE" video we prepared for you before you assemble your Ebike. If you have questions during the assembly process, Please contact us.

## SAFETY

Wear an approved ebikes helmet whenever ride an ebike, regardless of whether it is required by law. When riding the HovBeta Ebike, you should adhere to all local laws.

## OPERATION INSTRUCTION

**NOTICE:** Please do not perform any steps in the Operation section of this manual until you have thoroughly read this manual, as the following sections contain important safety information.



The first time you operate the ebike, read and understand every section of this manual. The manual contains important safety information that must be followed to avoid dangerous situations, accidents, property damage, injury, or even death.



UFor safety reasons, the user must follow the instructions and warnings contained in this manual. Do not attempt to operate your e-bike until you have adequate knowledge and understanding of its controls and operation. Failure to follow instructions may result in serious injury or death and will void your warranty. If you have any questions about assembly or operation, please contact us.



Before operation, the user must be familiar with the power control system of the electric bicycle. Pedal assist is also a powerful feature that users should fully research and understand how to use before using it for the first time. Failure to familiarize yourself with and practice the operation of the power system on your Ebike may result in damage, injury, or death.

## DRIVINGRANGE

The driving range of an electric bicycle refers to the distance that the electric bicycle can travel on a single charge. In this manual, range values are based on the expected usage characteristics of the bicycle. Range is affected by a variety of factors, including altitude, speed, payload, acceleration, number of starts and stops, ambient air temperature, tire pressure and terrain.

When you are purchasing an e-bike for the first time, we recommend that you choose the lowest level of assistance to familiarize yourself with your e-bike and travel routes. Once you become familiar with the range requirements of your travel route and the capabilities of your e-bike, you can adjust your riding characteristics.

Parking, Storage, and Transport

- To ensure your Ebike is well cared for on and off the road, please follow these tips for parking, storing, and transporting it.
- When pushing or carrying the Ebike manually, turn off the power to avoid accidental acceleration.
  - Turn the power and any lights off to conserve battery.
  - Ensure the battery is locked to the frame in the off position or use the key to remove the battery and store it in a temperature-controlled location for safety.
  - Park indoors when possible. You should park your ebike in a dry location as soon as possible if you have to park outdoors in rain or wet conditions. An ebike used in wet conditions requires more frequent maintenance to prevent rust, corrosion, and to make sure all systems are functioning properly.
  - E-bikes must be parked in public places in accordance with local regulations and rules.
  - It is recommended that you lock your e-bike to keep it safe and reduce the possibility of theft. We do not make any claims or recommendations regarding the correct lock hardware or procedures for securing your e-bike, but we recommend that you take appropriate precautions to prevent your e-bike from being stolen.
  - It cannot be parked, stored or transported on a frame that is not suitable for the weight and size of the e-bike.
  - Park your e-bike on a vehicle that is compatible with the tire width. Some racks may not accommodate all line widths.
  - When transporting the e-bike on the frame, unlock and remove the battery. This will reduce the weight of the e-bike, make lifting and loading easier, and allow you to transport the battery in the vehicle's cab.
  - Do not transport the e-bike on the frame during rainy days as this may cause water damage to the electrical components.

USER MAINTENANCE AND SERVICE INSTRUCTIONS

Basic Ebike Care

We recommend that if you lack the skills, experience, or tools to perform maintenance and adjustments on your e-bike, have a certified, reputable e-bike mechanic perform these tasks.

Recommended Service Intervals

To ensure your e-bike operates as expected and reduces wear and tear on the system, regular inspections and maintenance are essential. The following are recommended maintenance intervals. Real-world wear and repair needs vary with usage conditions. It is generally recommended that inspection, repair and necessary replacement be carried out at the intervals shown in the table below.

| Interval                                         | Inspect                                                                                                                                                                                                                                                                                                                                                                                                        | Service                                                                                                                                                                                                                                        | Replace                                                                                                                                                                                        |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weekly,<br>160-321 km<br>(100-200 mi)            | <ul style="list-style-type: none"><li>- Check hardware for proper torque.</li><li>- Check the drivetrain for proper alignment and function (including the chain, freewheel, chainring, and derailleur).</li><li>- Check wheel trueness and for quiet wheel operation (without spoke noise).</li><li>- Check if the brakes are functional.</li><li>- Check the condition of the frame for any damage.</li></ul> | <ul style="list-style-type: none"><li>- Clean the frame by wiping the frame down with a damp cloth.</li><li>- Use barrel adjuster(s) to tension derailleur/brake cables if needed.</li><li>- Adjust the hydraulic brake cable</li></ul>        | <ul style="list-style-type: none"><li>- Replace any components found to be damaged beyond repair or broken by HOVSCO Bikes Product Support or a certified, reputable Ebike mechanic.</li></ul> |
| Monthly,<br>402-1207 km<br>(250-750 mi)          | <ul style="list-style-type: none"><li>- Check brake pad alignment, brake cable tension .</li><li>- Check the Ebike is shifting properly, proper derailleur cable tension.</li><li>- Check chain stretch.</li><li>- Check brake and shifter cables for corrosion or fraying.</li><li>- Check spoke tension.</li><li>- Check accessory mounting (rack mounting bolts, fender hardware, and alignment).</li></ul> | <ul style="list-style-type: none"><li>- Clean and lubricate the drivetrain.</li><li>- Check crankset and pedal torque.</li><li>- Clean brake and shift cables.</li><li>- True and tension wheels if any loose spokes are discovered.</li></ul> | <ul style="list-style-type: none"><li>- Replace brake and shift cables if necessary.</li><li>- Replace brake pads if necessary.</li></ul>                                                      |
| Every 6 Months,<br>1207-2011 km<br>(750-1250 mi) | <ul style="list-style-type: none"><li>- Inspect drivetrain (chain, chainring, freewheel, and derailleur).</li><li>- Inspect all cables and housings .</li></ul>                                                                                                                                                                                                                                                | <ul style="list-style-type: none"><li>- Standard tune-up by a certified, reputable Ebike mechanic is recommended.</li><li>- Grease bottom bracket.</li></ul>                                                                                   | <ul style="list-style-type: none"><li>- Replace brake pads.</li><li>- Replace tires if necessary.</li><li>- Replace cables and housings if necessary.</li></ul>                                |

Pre-Ride Safety Checklist

**Notice:** Before every ride, and after every 25-45 miles (40-72 km), we advise following the pre-ride safety checklist.

| Safety Check                   | Basic Steps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Brakes                      | <p>Ensure front and rear brakes work properly.</p> <p>Inspect brake pads for wear and make sure they are not overworn.</p> <p>Position the brake pads correctly in relation to the rims.</p> <p>Make sure brake cables are lubricated, adjusted correctly, and do not show obvious wear.</p> <p>Ensure brake levers are lubricated and tightly secured to the handlebar.</p> <p>Test that the brake levers are firm and that the brake motor cut off functions and the brake light are functioning properly.</p>                                          |
| 2. Wheels and Tires            | <p>Ensure tires are inflated within the recommended limits posted on the tire sidewalls and hold air.</p> <p>Make sure tires are in good condition, have no bulges or excessive wear, and are not damaged in any other way.</p> <p>Verify the rims are true and have no obvious wobbles, dents, or kinks.</p> <p>Ensure all wheel spokes are tight and not broken.</p> <p>Check axle nuts and front wheel quick release to ensure they are tight. Make sure the locking lever on the quick release skewer is properly tensioned, closed, and secured.</p> |
| 3. Steering                    | <p>Ensure that the handlebars and stem are properly adjusted, tightened, and allowed to steer.</p> <p>Test the stem clamp bolt security by twisting the handlebars.</p> <p>Ensure the handlebar is set correctly in relation to the fork and the direction of travel.</p>                                                                                                                                                                                                                                                                                 |
| 4. Chain                       | <p>Ensure the chain is clean, oiled, and runs smoothly.</p> <p>Extra care is required in wet, salty/otherwise corrosive, or dusty conditions.</p>                                                                                                                                                                                                                                                                                                                                                                                                         |
| 5. Bearings                    | <p>Ensure all bearings are lubricated, run freely, and display no excess movement, grinding, or rattling.</p> <p>Check headset, wheel bearings, pedal bearings, and bottom bracket bearings.</p>                                                                                                                                                                                                                                                                                                                                                          |
| 6. Cranks and Pedals           | <p>Ensure pedals are securely tightened to the cranks.</p> <p>Ensure the cranks are securely tightened and are not bent.</p>                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 7. Derailleur and Brake Cables | <p>Check that the derailleur is adjusted and functioning properly.</p> <p>Ensure shifter and brake levers are attached to the handlebar securely.</p> <p>Ensure all shifter cables are properly lubricated.</p>                                                                                                                                                                                                                                                                                                                                           |
| 8. Frame, Fork, and Seat       | <p>Check that the frame and fork are not bent or broken.</p> <p>If either frame or fork are bent or broken, they are secured and undamaged.</p> <p>Check that the seat is adjusted properly, and the seatpost quick release lever is securely tightened.</p>                                                                                                                                                                                                                                                                                              |

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9. Motor Drive Assembly | <p>Ensure the hub motor is spinning smoothly and the motor bearings are in good working order.</p> <p>Ensure that all power cables running to the hub motor are securely attached and undamaged.</p> <p>Ensure the hub motor axle bolts are secure and that the torque arm, torque arm bolt, and torque washers are in place.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 10. Battery             | <p>Ensure the battery is charged before use.</p> <p>Ensure there is no damage to the battery.</p> <p>Lock battery to frame and ensure that it is secured.</p> <p>Charge and store Ebike and battery in a dry location, between 32 °F - 86°F (0°C-30°C).</p> <p>Let the Ebike dry completely before using it again.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 11. Electrical Cables   | <p>Make sure that connectors are fully seated and free of debris or moisture.</p> <p>Check cables and cable housing for obvious signs of damage.</p> <p>Make sure the headlights, taillights, and brake lights are working, adjusted properly, and not obstructed.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 12. Accessories         | <p>Ensure all reflectors are properly fitted and not obscured.</p> <p>Ensure all other fittings on the Ebike are secured and functional.</p> <p>Inspect the helmet and other safety gear for signs of damage.</p> <p>Make sure the rider is wearing a helmet and other required safety gear.</p> <p>Ensure mounting hardware is properly secured if equipped with a front rack, rear rack, basket, etc.</p> <p>When fitted with a rear rack, ensure the tail light and power wire are properly secured.</p> <p>Ensure the fender mounting hardware is properly secured if fitted with fenders.</p> <p>Ensure there are no cracks or holes in fenders.</p> <p>If installed, ensure the optional rear wheel lock is secured in the unlocked position and the key is removed before every ride.</p> |



Within the first 50-100miles (80-160km) of use, your cables, spokes, and chain will stretch, and the bolted connection will loosen. Always have a certified, reputable Ebike mechanic perform a tune-up on your HovBeta after your initial break-in period of 50-100mi (80-160km) (depending on riding conditions such as total weight, riding characteristics, and terrain). The regular inspections and tune-ups of your Ebike are particularly important to ensure that it remains safe and fun to ride.

Tire Information

HovBeta uses 20" x 4" rubber tires with inner tubes. Tires are designed for durability and safety for regular cycling activities. The inflation and condition of the tires should be checked before each use. Proper inflation, care, and timely replacement will help to maintain your Ebike's operating characteristics, and prevent unsafe conditions.

On HovBeta, MAX 20 PSI is recommended for stock tires. Always stay within the manufacturer's recommended air pressure range listed on the sidewall of your tire.



It is critically important that proper air pressure is always maintained in pneumatic tires. Never under inflate or over inflate the tires. Low pressure may result in loss of control, while overinflated tires may explode. Failure to always maintain the air pressure rating indicated on pneumatic tires may result in tire and/or wheel failure.



Use a pressure gauge to inflate the tire by adjusting the air source. Unregulated air sources can overinflate tires, causing them to burst. Even tires equipped with built-in anti-flat tire liners, e-bike tires can go flat due to punctures, pinches, impacts, and other causes. If a tire is worn or flat, you must replace the tire and/or tube before operating the e-bike, otherwise you may risk injury to the rider and/or damage to the e-bike.



Make sure that all air pressure has been removed from the inner tube before removing the tire from the rim when changing a tire or tube. Failure to remove all air pressure from the inner tube could result in serious injury.



The use of aftermarket tires or inner tubes, not provided by Champ Ext Folding E-Bike, may void your warranty, create an unsafe riding condition, or damage your Ebike. Replace aftermarket tires with sufficient reflective sidewall striping, if required by law.

Deraillieur

Right next to the rear brake, on the right side of the handle bar, is our front deraillieur with 7-1 gears. You can change your riding experience by pressing the deraillieur to make the chain to different gears.

TROUBLESHOOTING

|   | Symptoms                                                | Possible Causes                                                                                                                                                                                                                              | Most Common Solutions                                                                                                                                                                       |
|---|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | The Ebike does not work                                 | 1. Insufficient battery power<br>2. Faulty connections<br>3. Battery not fully seated in tray<br>4. Improper turn on sequence<br>5. Brakes are applied                                                                                       | 1. Charge the battery<br>2. Clean and repair connectors<br>3. Install battery correctly<br>4. Turn on Ebike with proper sequence<br>5. Disengage brakes                                     |
| 2 | Irregular acceleration and/or reduced topspeed          | 1. Insufficient battery power<br>2. Misaligned or damaged magnet ring                                                                                                                                                                        | 1. Charge or replace battery<br>2. Align or replace magnet ring                                                                                                                             |
| 3 | The motor does not respond when the Ebike is powered on | 1. Loose wiring<br>2. Loose or damaged motor plug wire<br>3. Damaged motor                                                                                                                                                                   | 1. Repair and or reconnect<br>2. Secure or replace<br>3. Repair or replace                                                                                                                  |
| 4 | Reduced range                                           | 1. Low tire pressure<br>2. Low or faulty battery<br>3. Driving with too many hills, headwind, braking, and/or excessive load<br>4. Battery discharged for a long period of time without regular charges, aged, damaged.<br>5. Brakes rubbing | 1. Adjust tire pressure<br>2. Check connections or charge battery<br>3. Assist with pedals or adjust route<br>4. Contact Product Support if range decline persists.<br>5. Adjust the brakes |
| 5 | The battery will not charge                             | 1. Charger not well connected<br>2. Charger damaged<br>3. Battery damaged<br>4. Wiring damaged                                                                                                                                               | 1. Adjust the connections<br>2. Replace<br>3. Replace<br>4. Repair or replace                                                                                                               |
| 6 | Wheel or motor makes strange noises                     | 1. Loose or damaged wheel spokes or rim<br>2. Loose or damaged motor wiring                                                                                                                                                                  | 1. Tighten, repair, or replace<br>2. Reconnect or replace the motor.                                                                                                                        |

Error Detection

The HovBeta have an error detection system integrated into the display and controller. If the electronic control system fails, an error code will appear. These error codes are the most common and can help with troubleshooting. It is recommended that you stop operating your e-bike immediately and contact us when an error code is displayed.

| Error Code | Definition                           |
|------------|--------------------------------------|
| E0         | Power Fault                          |
| E1         | Torque Sensor Fault                  |
| E2         | Controller Meter Communication Fault |
| E3         | Low Voltage Protection               |
| E4         | Controller High Temperature          |
| E5         | Motor Hall Fault                     |
| E6         | Motor Stalling                       |
| E7         | Controller Over Current Protection   |
| E8         | Motor High Temperature Protection    |
| E9         | Battery Over Voltage Protection      |

Additional Information on Wear

As compared to ebikes without power assistance, HovBeta components are subject to higher wear. This is because HovBeta can travel at higher speeds and has a greater weight than regular bicycles. Higher wear is not a defect in the product and is not covered by the warranty. Components commonly affected are tires, brake pads, rotors, spokes, wheels, and batteries.



When a component's useful life has expired, it can lose its function unexpectedly. This can cause serious injury or even death. Therefore, pay attention to characteristics such as cracks, scratches, and changes in the color or operation of components that could indicate their useful life has ended. Replace worn components immediately. An experienced, reputable Ebike mechanic should be consulted if you are unfamiliar with regular maintenance.

LIMITED WARRANTY

Warranty and other binding legal terms (e.g., terms of purchase, etc.) for your Ebike are subject to change at any time. You can view your terms of purchase and current warranty at [www.warrantywisdom.com](http://www.warrantywisdom.com).

Warranty Info

All HOVSCO ebikes are protected against all manufacturing defects for one year (free maintenance) after the date of qualifying purchase.

- For the defective item which is purchased in 7 days and the defective which can't be repaired by spareparts, customer can apply for a new one from your dealer after shipping back the defective item.
- For the defective item which is purchased in three months, customer can apply for free spareparts and repair from your dealer. We can also provide repairing videos and online guidance by professional engineer if needed.
- For the defective item which is purchased after three months, customer can buy spareparts from your dealer or on [www.HOVSCO.com](http://www.HOVSCO.com). We can also provide repairing videos and online guidance by professional engineer if needed.
- We also have lifelong maintenance services. Customer can send the defective item to our local repair center but should bear all the shipping cost and repair cost.

The limited Warranty is only valid for the original owner of an ebike purchased from HOVSCO dealers or in person. A limited Warranty begins upon your receipt of the ebike and will terminate at the earliest of the end of the Warranty Period or the sale or transfer of the ebike to another person. Additional owners or transferees of the ebike will not be covered under this Limited Warranty.

The limited Warranty covers the replacement of the following items but with different time span: motor, battery, charger, LCD screen, switch, front light, frame, front fork, handlebar, crank, throttle, pedal, flywheel, thumb shifter, rear derailleur, brake disc, tire (each a "covered component").

This Limited Warranty Does Not Cover:

- The normal wear and tear of any Covered Component.
- Consumables or normal wear and tear parts (including without limitation tires, tubes, brake pads, cables and housing, grips, chain and spokes).
- Damage to Covered Components resulting from failure to follow instructions in the ebike owner's manual, acts of God, accident, misuse, negligence, abuse, commercial use, alterations, modifications, improper assembly, installation of parts or accessories not originally intended or compatible with the ebike as sold, operator error, water damage, extreme riding, stunt riding, or improper follow-up maintenance.
- Without a doubt, HOVSCO will not be liable or responsible for any damage, failure, or loss caused by any unauthorized service or use of unauthorized parts.
- The Battery is not warranted against damage caused by power surges, improper chargers, improper maintenance or other such misuse, normal wear or water damage.
- Determining whether damage or defect to an ebike or covered component is protected by this limited warranty shall be in the sole discretion of HOVSCO.

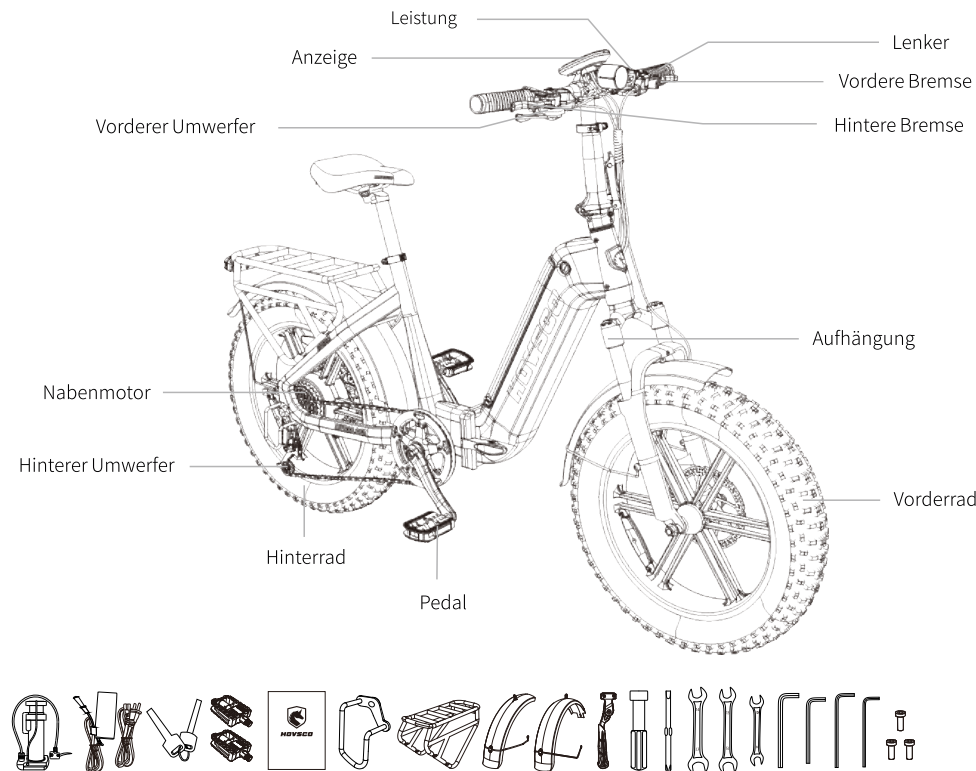
**BEWAHREN SIE DIESE ANWEISUNGEN AUF**

## SPEZIFIKATIONEN

|                                          |                               |
|------------------------------------------|-------------------------------|
| ModellName:                              | HOVSCO HovBeta Folding E-Bike |
| Maximale Traglast:                       | 450 lbs / 204 kg              |
| Maximale Geschwindigkeit:                | 15.5 mph (25km/h)             |
| Motor:                                   | 250 W                         |
| Batterie:                                | 48 V 720 Wh                   |
| Durchschnittliche Reichweite pro Ladung: | 40Km (24.85Meilen)            |
| Radgröße:                                | 20*4"                         |
| Reifendruck:                             | Maximal 20 PSI                |
| Beleuchtung:                             | Vorne/Hinten                  |
| Ladegerät:                               | Maximal DC 54.6 V 2.0 A       |
| Ladezeit:                                | 7 Stunden                     |
| Wasserbeständigkeit:                     | IPX4                          |
| Gewicht:                                 | 69 lbs / 31.3 kg              |

\* Die Reichweite pro Ladung wird unter den Bedingungen gemessen, dass die Leistung mit einer Last von 75 kg bei 30°C, 70% Luftfeuchtigkeit, auf einer ebenen Straße im reinen Elektrofahrmodus abgegeben wird. Die Ergebnisse können je nach Temperatur, Last, Windgeschwindigkeit, Straßenbedingungen und anderen Faktoren variieren. *umidity, on a level road, in pure electric riding mode. The results may vary depending on the temperature, load, wind speed, road conditions, and other factors.*

## INSTALLATIONSANLEITUNG



## WAS IST IM PAKET

- 1\* Ladegerät
- 1\* Ladekabel
- 1\* Schraubenzieher
- 4\* Inbusschlüssel 3/4/5/6mm
- 3\* Schraubenschlüssel 8-10, 13-15, 14-17
- 1\* Bedienungsanleitung
- 1\* Linkes Pedal
- 1\* Rechtes Pedal
- 1\* Ständer
- 1\* Gepäckträger hinten
- 1\* Vorderer Schutzblech
- 1\* Hinterer Schutzblech
- 1\* Schutz für den hinteren Schaltwerkskäfig
- 3\* Zylinderkopfschrauben mit Innensechskant
- 1\* Fahrradpumpe

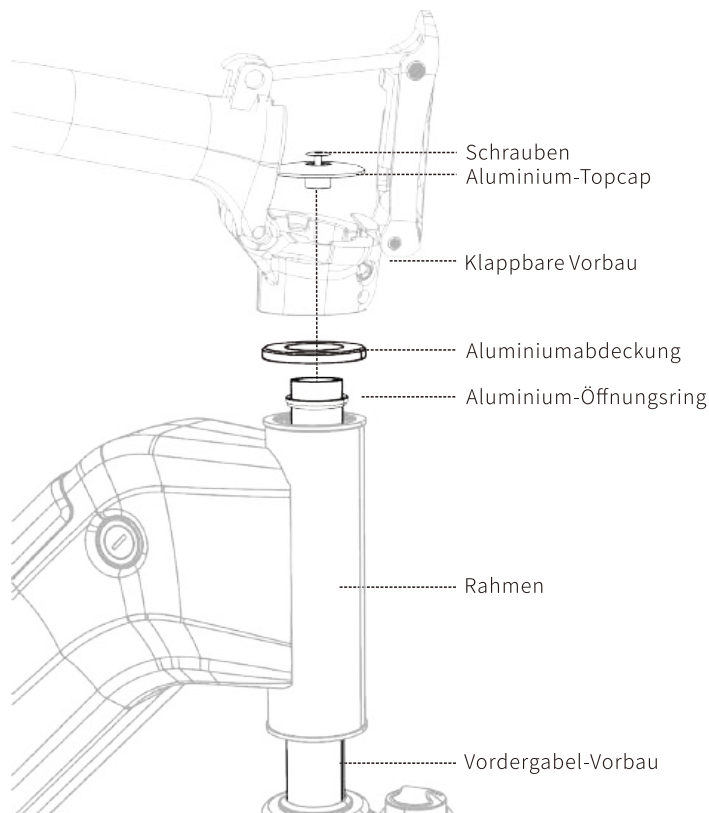
**Hinweis:**Die folgenden Schritte sind nur dazu gedacht, Ihnen beim Zusammenbau Ihres E-Bikes zu helfen. Sie sollen keine vollständige oder umfassende Anleitung zum Zusammenbau, zur Wartung und zur Reparatur darstellen. Wenn Sie Hilfe beim Zusammenbau, bei der Reparatur und bei der Wartung Ihres E-Bikes benötigen, wenden Sie sich an einen seriösen, zertifizierten E-Bike-Mechaniker.

#### Schritt 1: Das E-Bike auspacken.

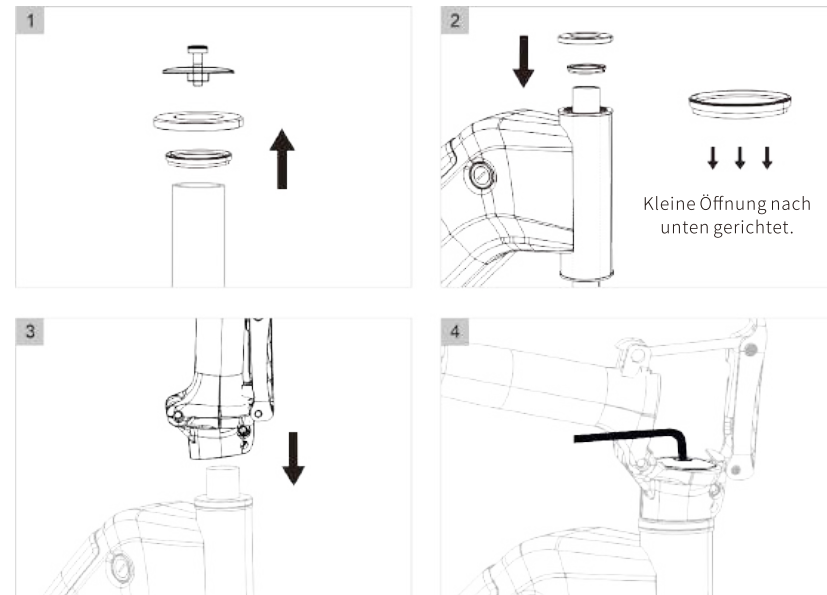
Öffnen Sie die Box und nehmen Sie das Vorderrad heraus. Nehmen Sie den HovBeta aus der E-Bike-Box heraus, mit Hilfe einer anderen Person, die in der Lage ist, ein schweres Objekt sicher zu heben. Entfernen Sie das Verpackungsmaterial, das den Rahmen und die Komponenten des E-Bikes schützt. Bitte recyceln Sie Verpackungsmaterialien, insbesondere Karton und Schaumstoff, wann immer möglich. Nehmen Sie den Ständer, eine kleine Schachtel mit dem Ladegerät und die große Werkzeugbox heraus.

**Schritt 2:** Entfernen Sie den gesamten Verpackungsschaum und das Band. (Seien Sie vorsichtig, wenn Sie Scheren verwenden.)

**Schritt 3:** Installieren Sie den Vorbau der Vordergabel.

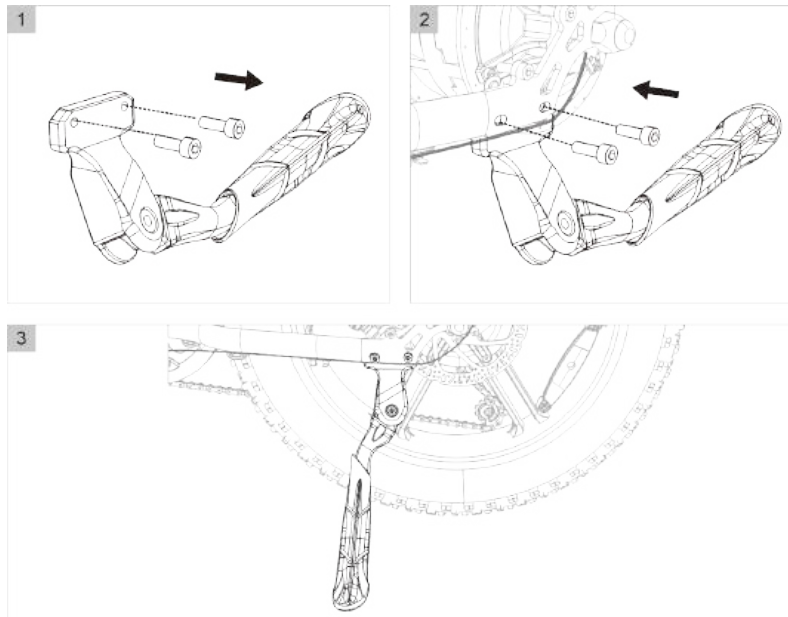
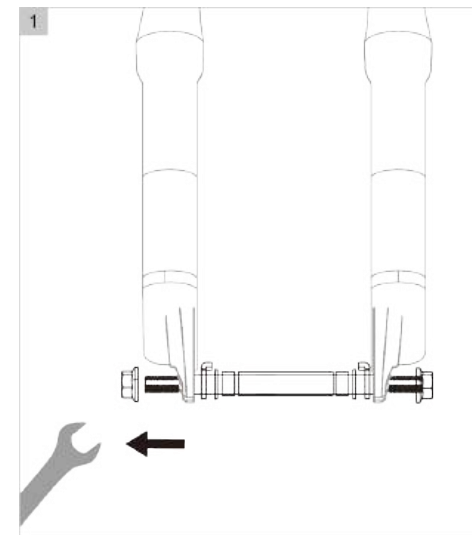


- 1- Verwenden Sie einen 5-mm-Inbusschlüssel, um die Schrauben zu lösen und entfernen Sie nacheinander die Aluminium-Topcap, die Aluminiumabdeckung und den Aluminium-Öffnungsring.
- 2- Setzen Sie den Rahmen in das Rohr der Vordergabel und setzen Sie den Aluminium-Öffnungsring ein (mit der kleinen Öffnung nach unten), gefolgt von der Aluminiumabdeckung.
- 3- Setzen Sie den klappbaren Vorbau in das Rohr der Vordergabel ein.
- 4- Drücken Sie den klappbaren Griff nach oben, um ihn zu öffnen, senken Sie dann die Ventilstange. Setzen Sie die Aluminium-Topcap auf und ziehen Sie die Schrauben mit einem 5-mm-Inbusschlüssel fest. Heben Sie schließlich die Ventilstange an und klicken Sie den klappbaren Griff wieder ein.

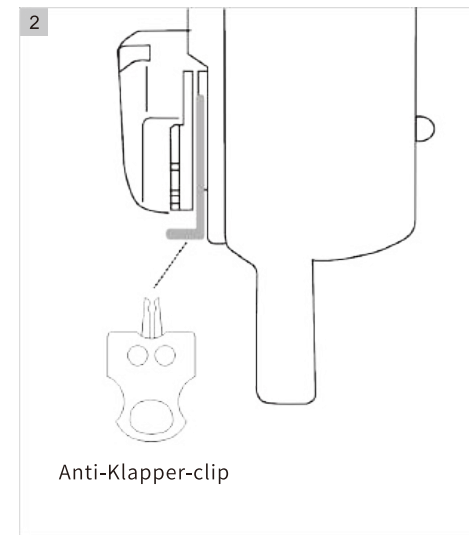


**Schritt 4: Installieren Sie den Seitenständer.**

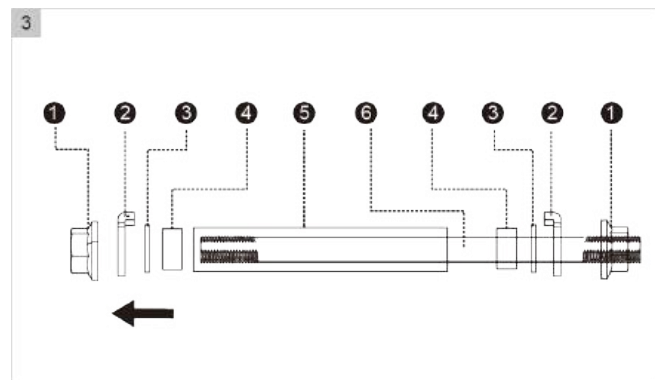
- 1- Verwenden Sie einen 4 mm Inbusschlüssel, um die beiden Schrauben am Seitenständer zu entfernen.
- 2- Setzen Sie den Seitenständer von hinten an den Rahmen, richten Sie ihn mit den Schraubenlöchern am Rahmen aus, setzen Sie die Schrauben vor und ziehen Sie die Schrauben mit einem 4 mm Inbusschlüssel fest. (Hinweise: Halten Sie das Motorkabel über dem Teil des Seitenständers, der am Rahmen befestigt ist.)
- 3- Klappen Sie den Seitenständer aus, um das E-Bike zu stabilisieren.

**Schritt 5. Vorderrad montieren.**

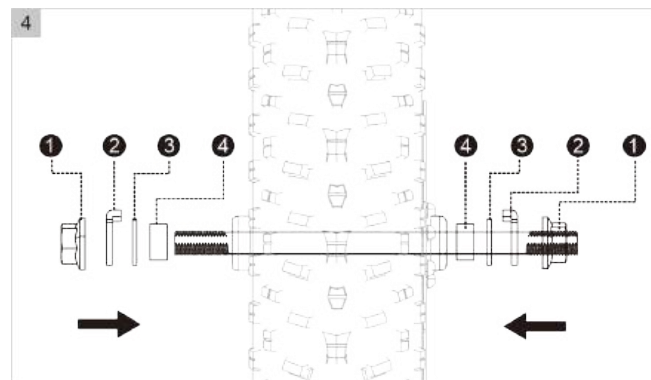
- 1- Verwenden Sie einen 15-mm-Schlüssel, um die Schrauben auf beiden Seiten zu lösen, und entfernen Sie die Achse der Vorderradgabel.
- Hinweis: Das Zubehör an der Achse der Vorderradgabel ist für die Montage des Vorderrads erforderlich!



- 2- Entfernen Sie den Klapperverhinderungs-Clip (Anti-Rattle-Clip) vom Bremsattel.
- Hinweis: Dies ist Verpackungsmaterial und kann entsorgt werden.



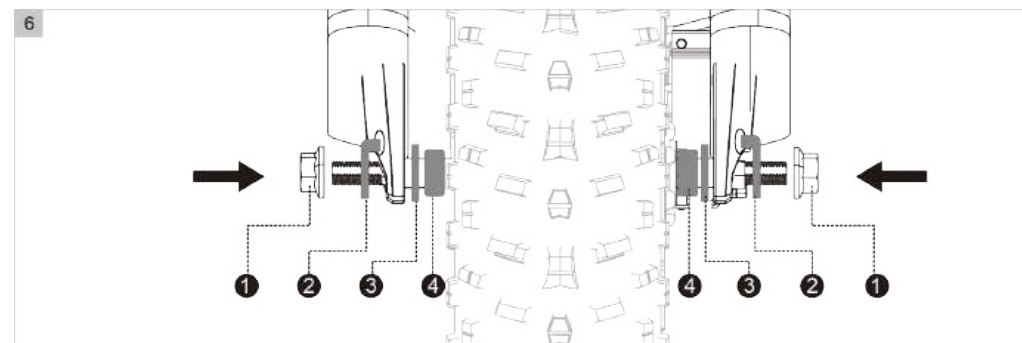
3- Schrauben Sie eine Schraube auf einer Seite heraus und entfernen Sie den ② Sicherungshaken, die ③ flache Unterlegscheibe und die ④ Hülse. Hinweis: Entfernen Sie die ⑤ lange Hülse (diese ist Verpackungsmaterial und kann entsorgt werden).



4- Setzen Sie die ⑥ Achse der Vorderradgabel in die Nabe des Vorderrads ein, und montieren Sie der Reihe nach die ④ Hülse, die ③ flache Unterlegscheibe und den ② Sicherungshaken. Ziehen Sie die ① Schraube fest. Hinweis: Aus Sicherheitsgründen ist die Reihenfolge der Montage strikt einzuhalten.

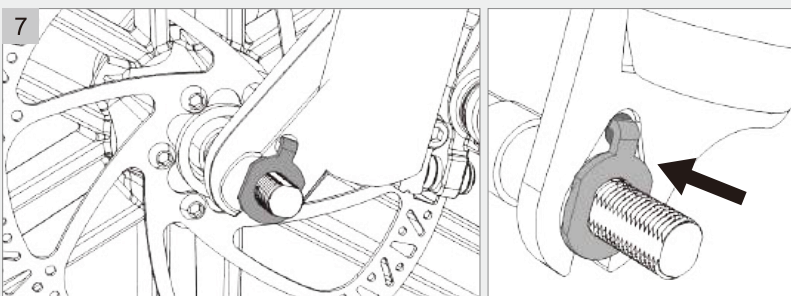
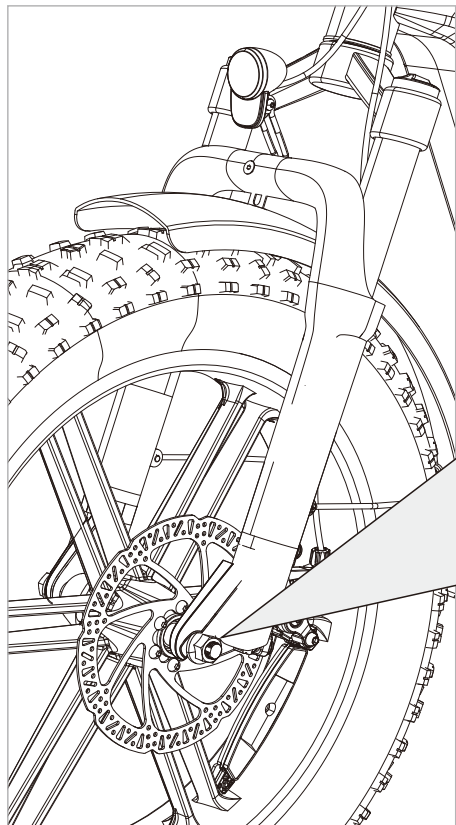


5- Achten Sie auf den Spalt in der Mitte des Bremsscheibenlayouts.



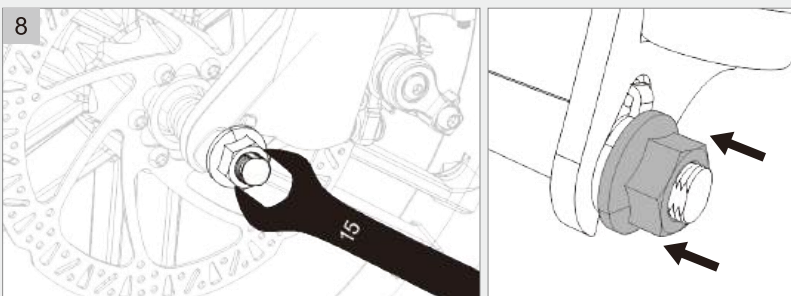
6- Montieren Sie das Vorderrad an die Vorderradgabel.

⚠ Hinweis: Achten Sie darauf, dass die Gabelbeine korrekt ausgerichtet sind und dass sich die ④ Hülse und die ③ flache Unterlegscheibe innerhalb der Gabel befinden.



7- Befestigen Sie den Sicherungshaken an der Vorderradgabel.

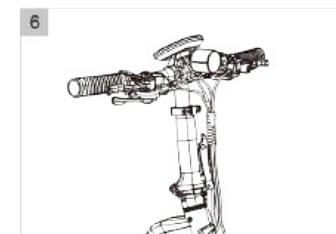
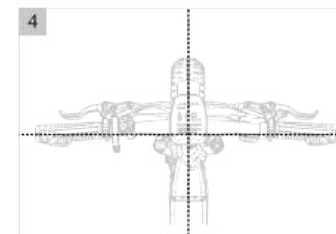
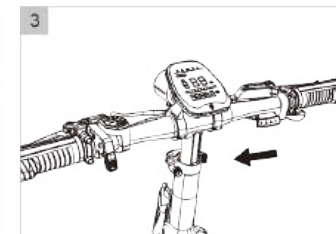
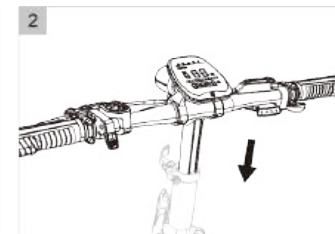
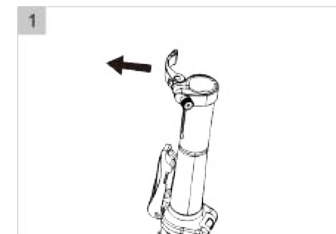
⚠ Der Sicherungshaken muss in das Befestigungsloch der Gabel eingesetzt werden.



8- Verwenden Sie einen 15-mm-Schlüssel, um die Schrauben auf beiden Seiten festzuziehen. Nachdem die Schrauben angezogen wurden, stellen Sie sicher, dass die Achse auf beiden Seiten leicht herausragt – wie in der Abbildung gezeigt.

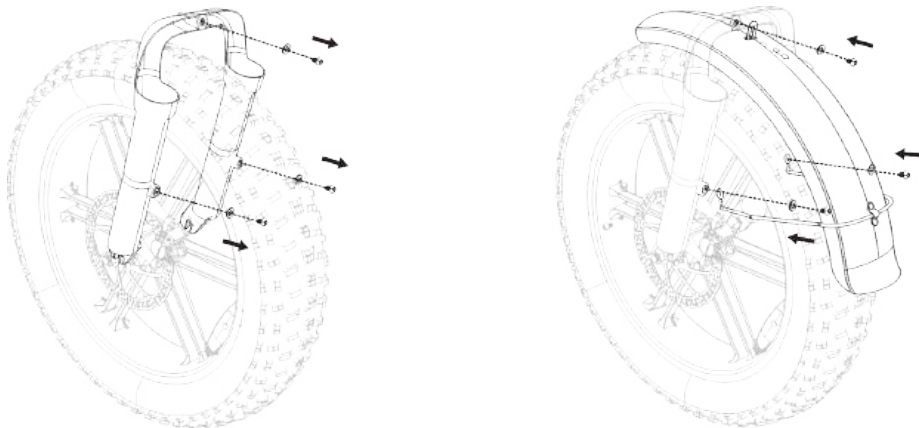
#### Schritt 6: Installieren des Vorbaus und des Lenkers.

- 1- Öffnen Sie den Schnellspanner.
- 2- Setzen Sie den Lenker in das Lenkerrohr ein. (Hinweis: Richten Sie die konkave Seite des Lenkers mit der konvexen Seite der inneren Wand des Sattelrohrs aus.)
- 3- Stellen Sie die Höhe des Lenkers ein und verriegeln Sie den Schnellspanner.
- 4- Passen Sie den Winkel zwischen dem Vorderrad und dem Lenker an, um sicherzustellen, dass der Lenker senkrecht zum Vorderrad steht.
- 5- Nachdem der Lenker eingestellt wurde, ziehen Sie die beiden Schrauben am Vorbau mit einem 6 mm Inbusschlüssel fest.
- 6- Erfolgreiche Installation des Lenkers, siehe das Effektbild.

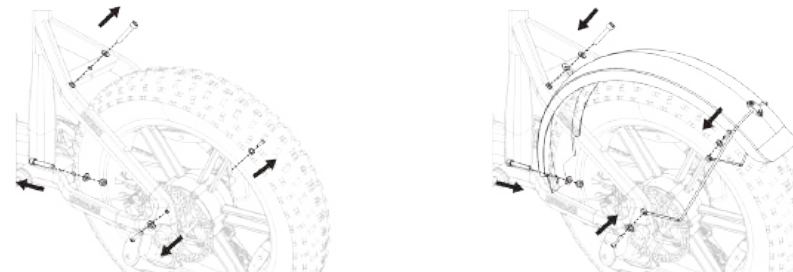


**Étape 7 : Installer le garde-boue avant.**

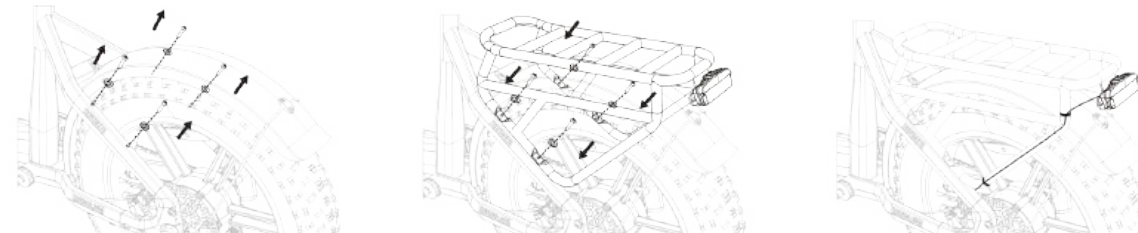
- 1- Utilisez un tournevis cruciforme pour retirer les vis de chaque côté de la fourche ; puis, avec une clé hexagonale de 4 mm, retirez les vis de la fourche.
- 2- Insérez le garde-boue depuis l'arrière de la roue, fixez les vis de chaque côté de la fourche à l'aide d'un tournevis cruciforme et serrez les vis de la fourche avec une clé hexagonale de 4 mm.

**Schritt 8: Hinterradschutzblech montieren.**

- 1- Verwenden Sie einen 5-mm-Inbusschlüssel, um die Schrauben von den Befestigungspunkten des hinteren Schutzblechs am Rahmen zu entfernen.
- 2- Richten Sie das Schutzblech an den Schraubenlöchern am Rahmen aus, und ziehen Sie dann die Schrauben des hinteren Schutzblechs mit einem 5-mm-Inbusschlüssel und einem 10-mm-Schlüssel fest.

**Schritt 9: Den hinteren Gepäckträger installieren.**

- 1- Verwenden Sie einen 4 mm Inbusschlüssel und einen 5 mm Inbusschlüssel, um die Schrauben und Unterlegscheiben vom hinteren Gepäckträger zu entfernen.
- 2- Platzieren Sie den hinteren Gepäckträger auf dem Fahrrad und ziehen Sie dann mit einem 4 mm Inbusschlüssel und einem 5 mm Inbusschlüssel die Schrauben und Unterlegscheiben fest. (Hinweis: Passen Sie schließlich den Winkel des hinteren Gepäckträgers an und verwenden Sie einen 13 mm Schraubenschlüssel, um die Muttern festzuziehen.)
- 3- Befestigen Sie schließlich die Kabel, die mit dem Rücklicht verbunden sind, am installierten hinteren Gepäckträger mit zwei Kabelbindern und schneiden Sie die überstehenden Teile der befestigten Kabelbinder ab.

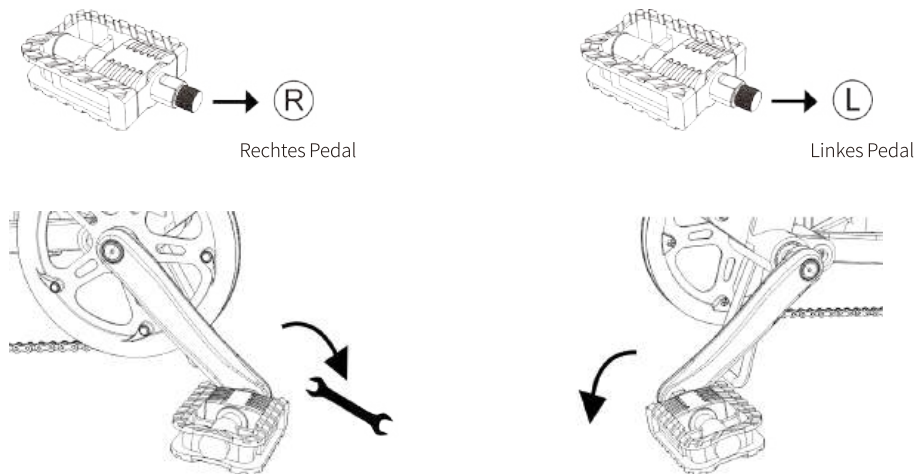


**Schritt 10: Pedale montieren.**

**Hinweis:** Das "R" auf der Innenseite der Pedalachse steht für das rechte Pedal, während das "L" für das linke Pedal steht.

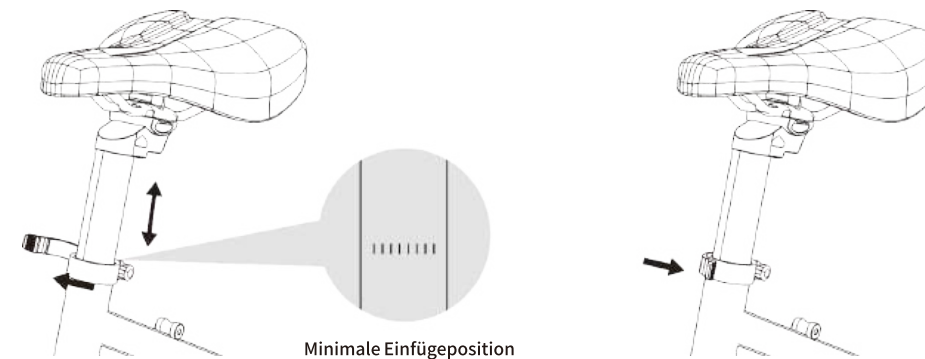
Das Pedal mit dem Buchstaben "R" wird auf der rechten Seite montiert und mit einem 15-mm-Schlüssel im Uhrzeigersinn festgezogen.

Das Pedal mit der Markierung "L" wird auf der linken Seite montiert und mit einem 15-mm-Schlüssel gegen den Uhrzeigersinn festgezogen.

**Schritt 11: Stellen Sie die gewünschte Sitzhöhe ein.**

Öffnen Sie den Schnellspannhebel vollständig. Passen Sie das Sitzrohr auf eine bequeme Höhe an, **stellen Sie dabei sicher, dass das Sitzrohr über den minimalen Einsatzziehpunkt des Rahmens hinaus eingeführt ist.**

Ziehen Sie mit der Daumenschraube die Klemme fest, so dass beim Ausrichten des Hebels mit der Klemmschraube ein gewisser Widerstand besteht, aber nicht übermäßig fest. Stellen Sie sicher, dass das Sitzrohr sich nicht bewegen kann, indem Sie den Schnellspannhebel schließen.



**Schritt 12: Demonstration zur Verwendung des Ladeanschlusses.**

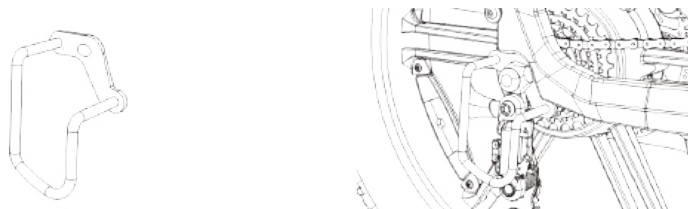
Öffnen Sie den staubdichten Stecker und stecken Sie den Gleichstromstecker des Adapters in den Ladeanschluss.

Nach Gebrauch ziehen Sie den Adapter heraus und setzen den staubdichten Stecker wieder ein.

**Schritt 13: Installieren Sie den Schaltwerksschutz.**

Wir empfehlen dringend, zu einem E-Bike-Shop zu gehen und einen E-Bike-Experten zu bitten, den Schaltwerksschutz für Sie zu installieren.

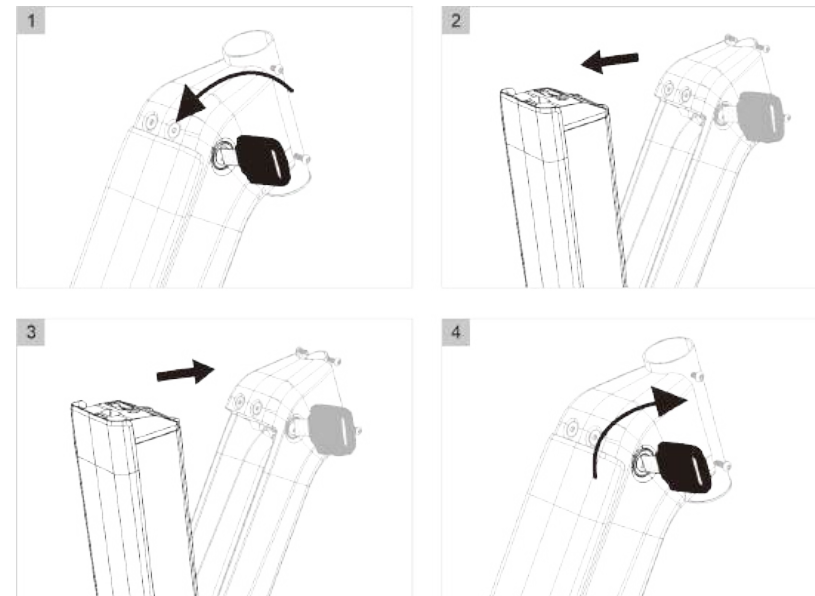
**WARNUNG:** Jeder kleine Fehler kann schwerwiegende Schäden an Ihrem Motor verursachen. Ein unsachgemäß gesicherter Motor kann Kontrollverlust, Unfälle, schwere Verletzungen oder Tod verursachen.

**Schritt 14: Demonstration zur Verwendung des Batterieschlusses.****Batterie entfernen:**

1-2: Drehen Sie den Schlüssel gegen den Uhrzeigersinn, öffnen Sie die Batterie und nehmen Sie sie heraus.

**Batterie einsetzen:**

3-4: Setzen Sie den unteren Teil der Batterie in den Rahmen ein, drehen Sie den Schlüssel im Uhrzeigersinn, um die Batterie zu entriegeln, und entfernen Sie dann den Schlüssel.

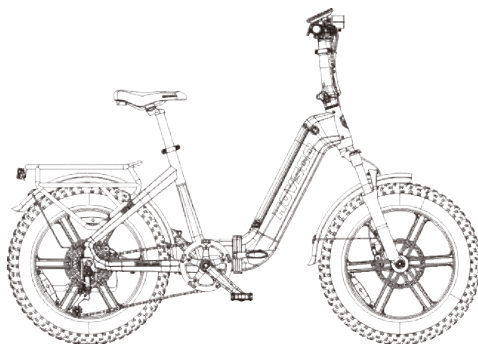


**Schritt 15: Batterie- und Display-Überprüfung.**

Halten Sie die im Bild markierte Ein-/Aus-Taste gedrückt, um das E-Bike und die Batterie einzuschalten. 1 LED-Leuchte an der Batterie wird aufleuchten. Rotes Licht bedeutet, dass der Batteriestand zwischen 0 % und 10 % liegt. Grünes Licht bedeutet, dass der Batteriestand zwischen 90 % und 100 % liegt.

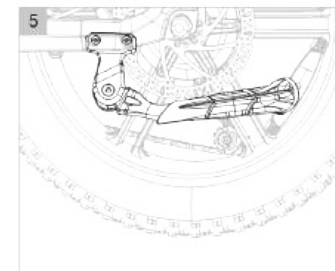
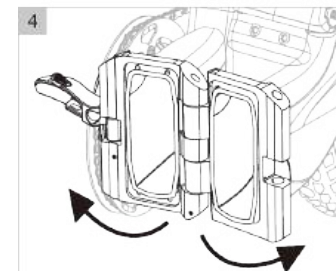
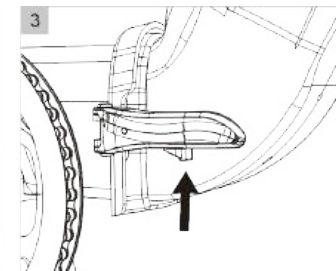
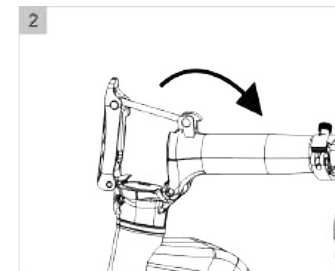
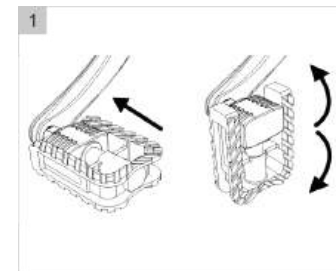
**Schritt 16: Reifen aufpumpen.**

Stellen Sie sicher, dass die Reifen und Reifenwulste gleichmäßig auf den Felgen sitzen. Stellen Sie den Reifendruck auf MAX 20 PSI mit einer Pumpe mit einem A/V-Ventil und einem Druckmessgerät ein. ÜBERINFLATIEREN oder UNTERINFLATIEREN Sie die Reifen NICHT.

**FALTEN SIE IHR EBIKE**

**Befolgen Sie die untenstehenden Schritte, um Ihr E-Bike zu falten.**

- 1- Halten Sie die Tretkurbel vertikal und klappen Sie das Pedal, indem Sie es zum E-Bike hin schieben und es nach oben oder unten klappen.
- 2- Drücken und halten Sie den Faltgriff am Lenker und drücken Sie nach oben, um den Faltgriff zu öffnen. Klappen Sie den Lenker zusammen.
- 3-4 Halten Sie das Riegelschloss hoch und öffnen Sie mit Ihrer anderen Hand den Riegel, indem Sie den Knopf drücken und ihn vom Rahmen wegziehen. Klappen Sie den hinteren Radschnitt zum anderen Rad hin und verwenden Sie bei Bedarf den Ständer unter dem Rahmen.
- 5- Klappen Sie den Seitenständer ein.
- 6- Effekt des E-Bike-Faltens.



Fehlererkennung

Das HovBeta verfügt über ein Fehlererkennungssystem, das in das Display und den Controller integriert ist. Wenn das elektronische Steuersystem ausfällt, wird ein Fehlercode angezeigt. Diese Fehlercodes sind die häufigsten und können bei der Fehlersuche helfen. Es wird empfohlen, den Betrieb Ihres E-Bikes sofort einzustellen und uns zu kontaktieren, wenn ein Fehlercode angezeigt wird.

| Fehlercode | Definition                                     |
|------------|------------------------------------------------|
| E0         | Stromversagen                                  |
| E1         | Drehmomentsensorfehler                         |
| E2         | Kommunikationsfehler des Controller-Messgeräts |
| E3         | Unterspannungsschutz                           |
| E4         | Controller-Hochtemperatur                      |
| E5         | Motorhallenfehler                              |
| E6         | Motorstillstand                                |
| E7         | Überstromschutz des Controllers                |
| E8         | Überhitzungsschutz des Motors                  |
| E9         | Überspannungsschutz der Batterie               |

Zusätzliche Informationen zur Abnutzung

Im Vergleich zu Fahrrädern ohne elektrische Unterstützung unterliegen die Komponenten des HovBeta einer höheren Abnutzung. Dies liegt daran, dass der HovBeta mit höheren Geschwindigkeiten fahren kann und ein höheres Gewicht als reguläre Fahrräder hat. Eine höhere Abnutzung ist kein Mangel am Produkt und wird nicht durch die Garantie abgedeckt. Häufig betroffene Komponenten sind Reifen, Bremsbeläge, Bremsscheiben, Speichen, Räder und Batterien.



Wenn die Nutzungsdauer eines Bauteils abgelaufen ist, kann es unerwartet seine Funktion verlieren. Dies kann zu schweren Verletzungen oder sogar zum Tod führen. Achten Sie daher auf Merkmale wie Risse, Kratzer und Veränderungen in der Farbe oder im Betrieb von Bauteilen, die darauf hinweisen könnten, dass ihre Nutzungsdauer abgelaufen ist. Ersetzen Sie abgenutzte Bauteile sofort. Ein erfahrener, seriöser E-Bike-Mechaniker sollte konsultiert werden, wenn Sie mit der regelmäßigen Wartung nicht vertraut sind.

SCHNELLSTARTANLEITUNG

