VEVOR

Affordable. Reliable. Home Improvement.

COMPACT MOBILITY SCOOTER

MODEL: BLHZ400-01A; BLHZ400-01E

Scan for Assistance

BLHZ400-01A

BLHZ400-01E

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This is the original instruction. Please read and understand all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product is subject to the actual product received. All content in this manual is subject to change or withdrawal without notice. Please keep this manual for future reference!

TABLE OF CONTENTS

USING THIS MANUAL

Read this manual carefully and familiarize yourself with the scooter before using it to ensure safe use and prevent accidents. This manual contains many warnings and cautions concerning the safe operation and consequences if proper setup, operation, and maintenance are not performed. All information in this manual should be carefully reviewed and if you have any questions you should contact us immediately. The notes, warnings, and cautions contained within the manual and paragraphs are marked by the **triangular Caution Symbol** at the left side should be given special care. Users should also pay special attention to information marked in this manual beginning with **WARNING** and **NOTICE**.

VEVOR makes every effort to ensure the accuracy of this manual and assumes no responsibility or liability if any errors or inaccuracies appear within. Since it is impossible to anticipate every situation or condition that will occur while riding, this manual makes no representations about the safe use of bikes under all conditions. There are risks associated with the use of any bike that cannot be predicted or avoided and are the sole responsibility of the rider.

PRODUCT OVERVIEW

Our electric scooter is a practical and efficient transportation option, combining advanced technology with environmentally friendly features. It operates quietly and is easy to use. The scooter includes key safety functions such as brake power-off, under-voltage protection, over-current protection, soft start, and electromagnetic brakes, ensuring reliable and safe performance. With high-quality manufacturing standards and robust after-sales support, we aim to provide a dependable and user-friendly product for everyday use.

SPECIFICATIONS

Model	BLHZ400-01A/E
Product size(L×W×H)	1072x600x980 mm
Nominal voltage	DC 48V
Motor power	350 W
Wheelbase	840 mm
Wheel size	200*50 mm
Maximum load	265lb (about 120kg)
Range (143lb payload)	17.4 miles (about 28km)
Max. speed (speed limit)	8 km/h
Climbing angle (265lb payload)	8° (Max)
Charging input voltage	AC 100-240V 50/60Hz
Battery capacity	48V 5.2AH
Battery type	Lithium batteries
Color	Orange
Brake system	Rear drum brake

Note:
Range refers to the driving distance of the new battery with sufficient power under the experimental conditions stipulated in GB17761-2018. It generally refers to the uninterrupted cycling at the rated speed and rated load on a 20°C ± 5°C flat and dry hard surface. In the actual driving process, due to the influence of wind resistance, ambient temperature, tire pressure and load status, the continuation mileage will change.

SAFETY INSTRUCTIONS

WARNING! When using this product, basic precautions should always be followed, including the following:

1) Read all the instructions before using the product.
2) To reduce the risk of injury, close supervision is necessary when the product is used near children.
3) Do not insert any body parts into the product while it is in operation.
4) The exposed metal contacts on the battery box are the positive and negative terminals. Do not touch them with wet hands or allow contact with metal objects at the same time, as this may cause a short circuit and lead to accidents.

5) Do not use this product if the flexible power cord or output cable is frayed, has broken insulation, or any other signs of damage.
6) This product is not suitable for extreme weather conditions.
7) VEVOR is not responsible for any instability in product performance caused by unauthorized disassembly of the scooter's components or wiring.

DRIVING PRECAUTIONS

WARNING! It is your responsibility to comply with all traffic related laws and to use proper equipment. This includes appropriate cycling attire and bike maintenance.

This scooter is a non-motorized vehicle. Please ensure it is ridden on non-motorized vehicle lanes. Observe all local traffic laws and regulations. It is your responsibility to know and obey your local laws.

● The following groups are not suitable for using the electric scooter: minors, the elderly, individuals with physical weakness or chronic illnesses, pregnant women, those under the influence of alcohol or medication, and those lacking riding experience. Please ensure you have the necessary physical condition and ability to operate the scooter safely before use.

● Many locations require specific safety devices. It is your responsibility to familiarize yourself with the local laws, rules, and regulations where you ride and to comply with all applicable laws, including equipping yourself and your bike as the law requires.

● Unless otherwise stated, a rider’s weight and luggage should not exceed 265lbs/120kg.

● Before you ride your scooter, always check to make sure everything is working properly and correctly aligned.

● Be familiar with the controls of your scooter, such as brakes and shifting etc..

● While riding, remember you are sharing the road or path with others. i.e. cyclists, pedestrians and motorists.

● Always be a defensive rider. Always assume that others do no see you and expect the unexpected.

● Always be aware of your surrounds. Be alert and responsive to:
1) Motor vehicles of all types and in all directions.
2) Unexpected movement of obstacles.
3) Nearby pedestrians.
4) Children or animals in the area.
5) Imperfections of bike paths or paved roads including potholes, uneven surfaces, loose gravel construction and debris.
6) Warning, hazard and yield signs.

● Always ride in the direction of traffic.

● Acknowledge and stop at ALL stop signs and traffic lights.

● When coming to a complete stop, look both ways at street intersections before continuing onward.

● Use official hand signals for turning and stopping.

● Do not ride with headphones.

● Do not weave through traffic or make unexpected moves or turns.
● Rules that govern the right-of-way for motorists apply to riders of this scooter. Always be prepared to yield.
● Do not ride while under the influence of alcohol or drugs.
● This electric vehicle is limited to one rider. Do not carry passengers.
● In case of an emergency while riding and needing to dismount, please immediately apply the brakes and turn off the power switch.
● Avoid riding in bad weather when visibility is obscured, for examples dawn, dusk, or in the dark such conditions increase the risk of accident.

WET WEATHER

It is recommended to not ride in bad weather if avoidable. This product can be used in rain, but never immerse or submerge this product in water or liquid as the electrical system may be damaged.
● Take extra care when operating this scooter in wet weather.
● Decrease riding speed to help you control the scooter in slippery conditions. Brake earlier since it will take longer to slow down and come to a stop than operated in dry conditions.
● Take care to be more visible to others on the road.
● Road hazards are more difficult to see when in bad weather. Proceed with caution.

CHARGER

● The charger should only be used indoors in a cool, dry, ventilated area, on a flat, stable, hard surface.
● Avoid charger contact with liquids, dirt, debris, or metal objects. DO NOT cover the charger while in use.
● Store and use the charger in a safe place away from children.
● DO NOT store the charger in the storage compartment, as vibrations during riding may cause damage to the electronic components of the charger.
● DO NOT charge the battery with any chargers other than the one originally supplied by VEVOR or a charger designed for use with your specific bike purchased directly from VEVOR.
● DO NOT open the charger or modify voltage input.
● DO NOT yank or pull on the cables of the charger. When unplugging the charger, remove it by pulling on the plastic plugs directly instead of on the cables.
● The charger is expected to get relatively warmer as it charged. If the charger gets too hot to touch, or you notice a strange smell, or any other indicator of overheating, discontinue using the charger and contact VEVOR.

BATTERY

Ensure the battery is adequately charged and operating properly before the ride. Turn on the key switch, check the power display. Recharge immediately when the power display indicates low battery.

Ensure the battery charger is unplugged from the outlet, battery, then stored in a safe location before you ride.

BRAKES

Ensure that the brakes and their system components are free from damage, properly secured and working correctly before each ride.

TIRES AND WHEELS

Ensure the tires and wheels are in good working condition without any visual damage and have the correct amount of air pressure.

● Ensure there are no embedded nails or sharp objects on the tires.

● When the tire tread wear to the tread-wear limit mark, it should be replaced with new tire.

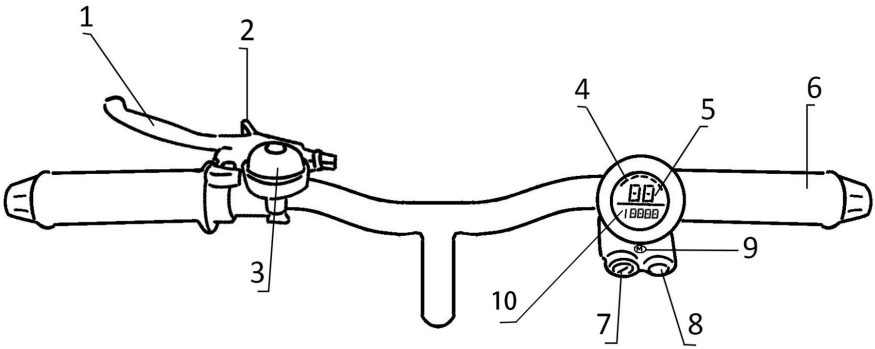
● Examine the rims for indentations, dents, or deformation.

● Tires without the correct amount of air pressure can reduce performance, increase tire and component wear, and make your riding unsafe. If the tire pressure sub-standard, it will make the tire surface subjected to excessive wear and tear could cause a car accident. Tire pressure which is too low will cause tire slip or prolapsed wheels. It is dangerous to use great wear tire, it will affect the adhesion between the tires and the road surface, resulting in difficult driving on the accident or occurrence.

● Repair the tires immediately if you detect anything unsafe.

NOTICE: Check the tires when they are cooled.

PANEL & CONTROL



1. **Left brake lever**
2. **Parking brake switch**
3. **Bell**
4. **Power display**
5. **Speed display**
6. **Throttle**
7. **Key switch**
8. **D/R switch**
9. **M button**
10. **Mileage**

1) **Left brake lever**: This is the rear wheel brake lever. When it is applied, the rear wheel will gradually slow down until it stops rotating.
2) **Parking brake switch**: This is used to keep the scooter stationary when not in use. It prevents the scooter from rolling or moving unintentionally, ensuring safety while parked. It is especially useful on inclines or uneven surfaces.
3) **Bell**: This is used to alert others to your presence or as a signal in emergency situations.
4) **Power display**: This is a battery capacity indicator. When the key switch is turned on, the power gauge on the instrument panel will show the corresponding level.
5) **Speed display**: This indicates the current speed while driving.
6) **Throttle**:This controls the acceleration of the scooter.
NOTICE: Use the throttle gently for smooth and controlled acceleration.
7) **Key switch**: The key switch serves as the main power control. It is a high-current switch that activates the scooter when turned on. When the key is turned clockwise, the voltmeter will indicate the corresponding power level, and the main power supply will be activated. When parking, always remember turning the key counterclockwise to prevent accidental activation of the speed control and avoid potential damage.
8) **D/R switch**: Press this switch to toggle between direction and reverse modes. The directional control switch allows easy maneuvering in tight spaces.
9) **M button**: This is used to enter the LCD instrument panel parameter setting mode.
10) **Mileage**: The number of miles the scooter has traveled.

OPERATION INSTRUCTION

WARNING! DO NOT perform any of the steps in the Operation section of this manual until you have read this entire manual, since there are important details related to safety in the following sections.

STARTING THE SCOOTER

1) Insert the ignition key into the key switch, turn it clockwise to start the scooter, then the instrument panel indicators will light up, indicating that the main power supply has been turned on.
2) Release the parking brake, and gently accelerate the throttle to start moving. Avoid using the throttle while decelerating.

WARNING! After turning on the main power supply, ensure that the rear wheel is on the ground.
WARNING! DO NOT turn the speed control knob when the rider is NOT seated on the seat to prevent the scooter from suddenly moving forward, which could lead to safety accidents.
WARNING! DO NOT engage or disengage the throttle rapidly, as this may cause the scooter to lose control or accelerate unexpectedly.
WARNING! When parking, try to avoid operational errors that could lead to damage.

BRAKE OPERATIONS

Gradually release the throttle, gently apply the brake lever to further reduce speed. Ensure that the scooter is being slowed down in a smooth and controlled manner for safety.
NOTICE: When driving down a steep slope, always control the speed with the brake.

STOPPING THE SCOOTER

Use official hand signals in advance to alert other vehicles and pedestrians, then gradually drive to the side of the road.
Release the throttle, hold the brake lever.
After the scooter has come to a complete stop, turn the ignition key counterclockwise to stop the scooter, engage the parking brake, and remove the key when leaving the scooter. Ensure the scooter is powered off before leaving.
NOTICE: **How to set the parking mode?** Press the left brake lever, then press and hold the parking brake switch without releasing it. Keep the parking brake switch pressed until you release the brake lever, at which point the parking mode will be set.
WARNING! Always park the electric scooter on solid, flat ground to prevent the risk of tipping or injury.

TROUBLESHOOTING

Symptoms	Possible Causes
Difficult or Impossible to Start (No response or very slow startup.)	● Low battery voltage or a faulty battery. ● Poor battery connections or loose wiring. ● Controller failure. ● Faulty charger, unable to charge the battery.
Lack of Power or Weak Acceleration (Difficulty accelerating, or the vehicle cannot reach its normal speed while riding.)	● Low battery voltage or an aged battery. ● Motor failure (e.g., internal motor damage or wear). ● Controller damage or wiring issues.
Unable to Charge Normally (No light on the charger indicator or the battery charge does not increase during charging.)	● Faulty charger. ● Faulty or aged battery that cannot hold charge. ● Loose or corroded charging port.
Excessive Battery Power Drain (Battery depletes quickly even after a full charge, resulting in shorter riding time.)	● Battery aging or reduced capacity. ● Low battery voltage, unable to support extended use.
Brakes Failing or Poor Braking Performance (Brake is unresponsive or requires more force, unusual sounds when applying the brake.)	● Severe brake pad wear or damaged brake disc. ● Loose or damaged brake cables.
Unusual Noises (Friction sounds, metal clashing, or other strange noises when starting or during operation.)	● Problems with the motor or wheel bearings. ● Internal motor damage. ● Faulty steering or brake systems.
Loss of Power During Riding (Sudden loss of power while riding, making it impossible to continue.)	● Motor failure or issues with the motor coils. ● Complete battery depletion. ● Controller failure, unable to deliver power.

ASSEMBLY & INSTALLATION

Attach the seat

1. Insert one end of the seat post into the seat base (see figure1).
2. Align the seat direction with the frame orientation, then mount it onto the seat tube. Ensure the detent ball securely locks into the designated hole (see figure2).
3. Tighten the lock clamp (see figure3).
4. Confirm that the lock clamp is fully locked (see figure 4). Failure to lock the buckle may result in the seat sliding off during use.

Install the armrests

1. Insert the square pipe of the left armrest into the square pipe at the bottom of the cushion.
2. Tighten the screw.
3. Insert the square pipe of the right armrest into the square pipe at the bottom of the cushion.
4. Tighten the screw.

Adjust the height of the armrest

Adjust the screw under the armrest to change the height of the armrest.
Turn the screw counterclockwise to raise the armrest up.

Adjust the handlebar tilt angle

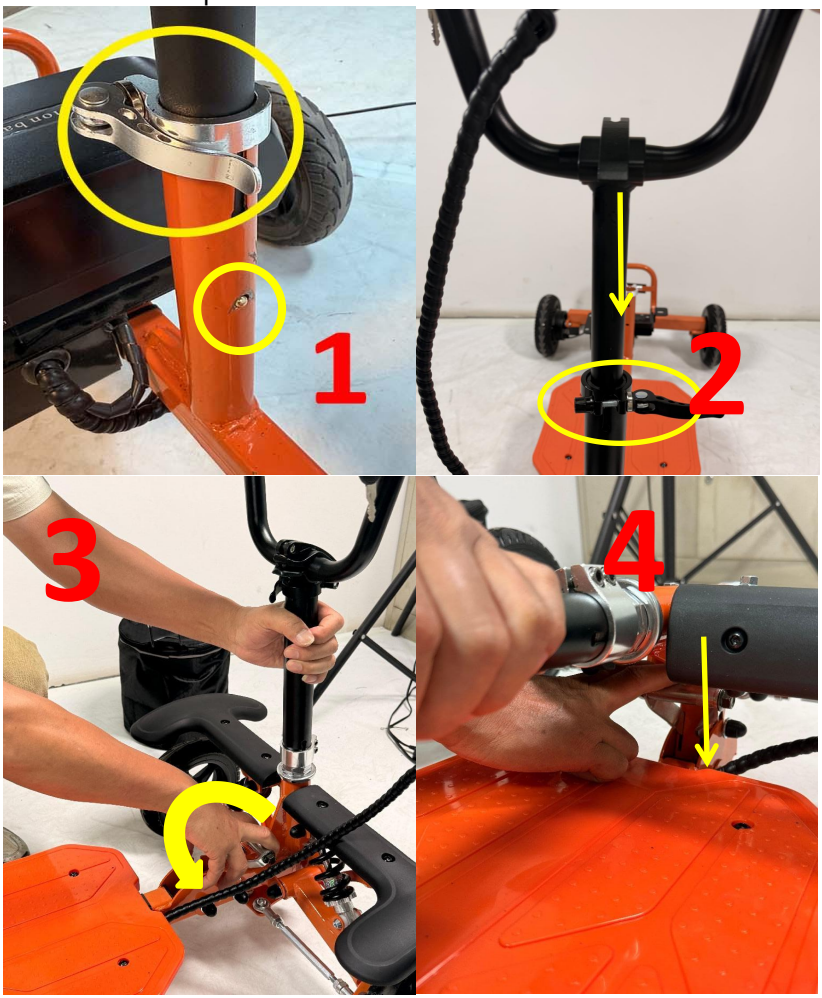
1. The circle in figure 1 shows the location of the lock clamp.
2. Release the lock clamp like figure 2.
3. Tilt the handlebar forward or backward to your desired position.
4. Tighten the lock clamp to fix the angle in place.

Install the basket

1. Hook the basket onto the center of the handlebar, ensuring the mounting arms rest on both sides of the steering column (see figureA).
2. Wrap the basket's rear strap tightly around the steering column and the cable wire. Press the hook-and-loop fastener firmly to lock the strap in place (see figureB).

Folding & unfolding the scooter

1. Release the lock clamp below the seat, press the detent ball and lift the seat post upward to detach the seat assembly (see figure1).
2. Take off the basket. Release the lock clamp below the handlebar, lower the handlebar to its lowest position, then tighten the clamp (see figure2).
3. Figure 3 shows the location of the silver folding lever, grip and pull it backward along the arrow direction marked in figure 3 to fold the scooter while the other hand holding the steering column(see figure 4).
4. To unfold the scooter, press the silver folding lever as the arrow direction marked in figure 4. Then lift the steering column upward into its upright position until it clicks into place.



Turn on the battery

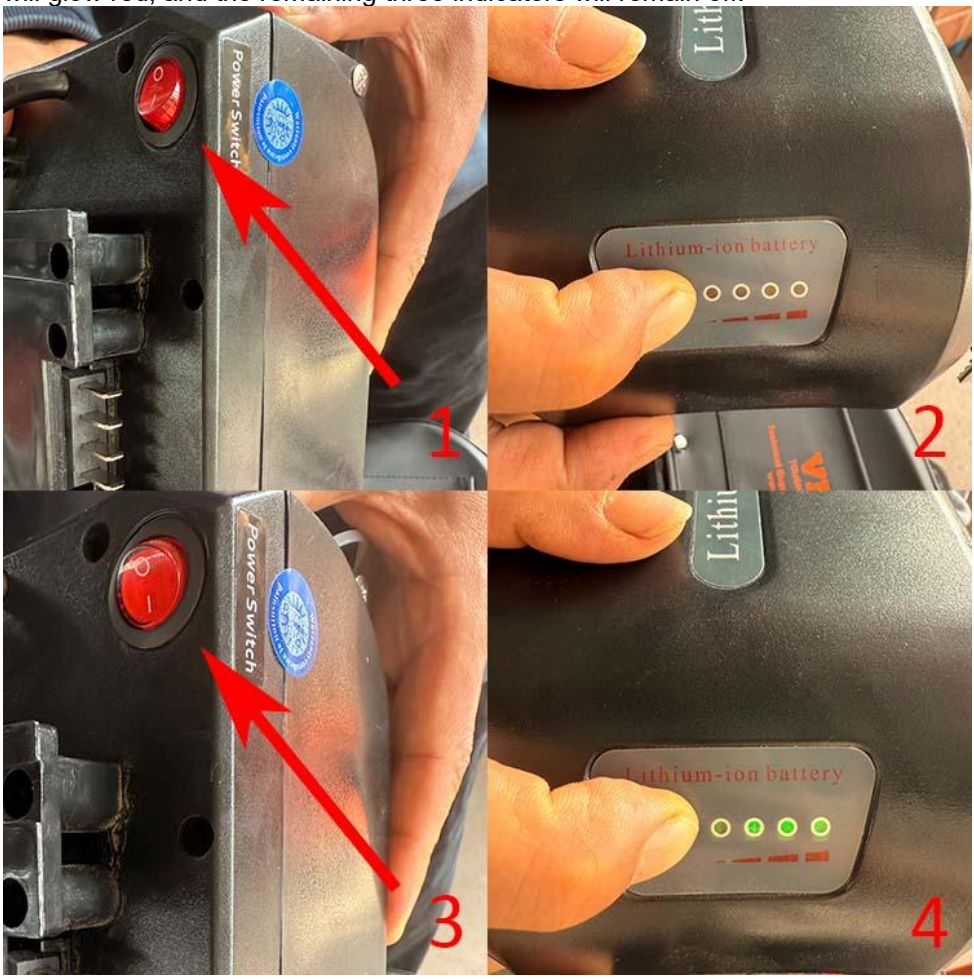
Activate the battery by switching the power switch on the battery from O (Off) to I (On).

Battery indicators

NOTICE: The battery indicators will only light up when the battery power switch is I (see figure below).

Fully Charged Battery: Press and hold the button, the first indicator (leftmost) will remain off, and the remaining three indicators will illuminate green (see figure3 and 4).

Under-Voltage Condition: Press and hold the button, the first indicator (leftmost) will glow red, and the remaining three indicators will remain off.



Install and remove the battery

1. To install the battery, align the battery box with the battery base on the frame and push the battery box in the direction as the arrows shown in figure 1.
2. Rotate the key clockwise to lock the battery box (see figure 2).
3. To remove the battery, rotate the key counterclockwise to unlock the battery box. Push the battery box in the opposite direction as the arrow shown in figure 1.

Charge the battery

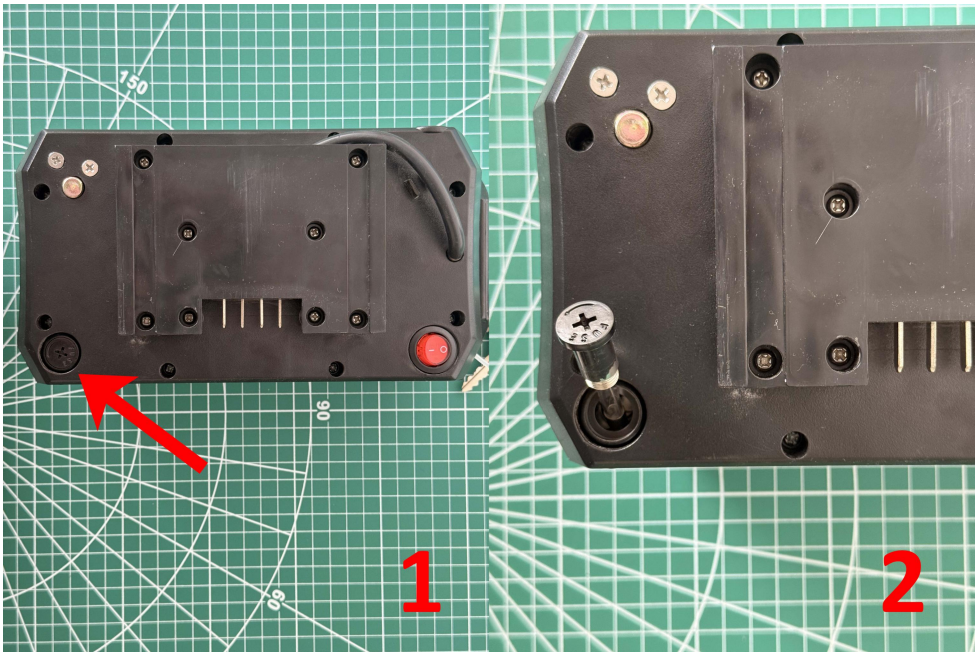
1. Keep the power switch on (see figure 1).
2. Open the charging port cover (see figure 2) and connect the charger.

WARNING! When charging, connect the charger with the battery first, then connect with AC power supply, after charging have done, disconnect the AC power supply first.

Steps to remove the fuse

NOTICE: The built-in fuse protects the battery from over-current. If the battery fails to power on, check the fuse and replace it if necessary.

1. Remove the battery, ensuring the side with the red switch faces upward as shown in Figure 1. The fuse is located at the position marked by the arrow in Figure 1.
2. Use a Phillips screwdriver to unscrew it counterclockwise and remove the fuse.

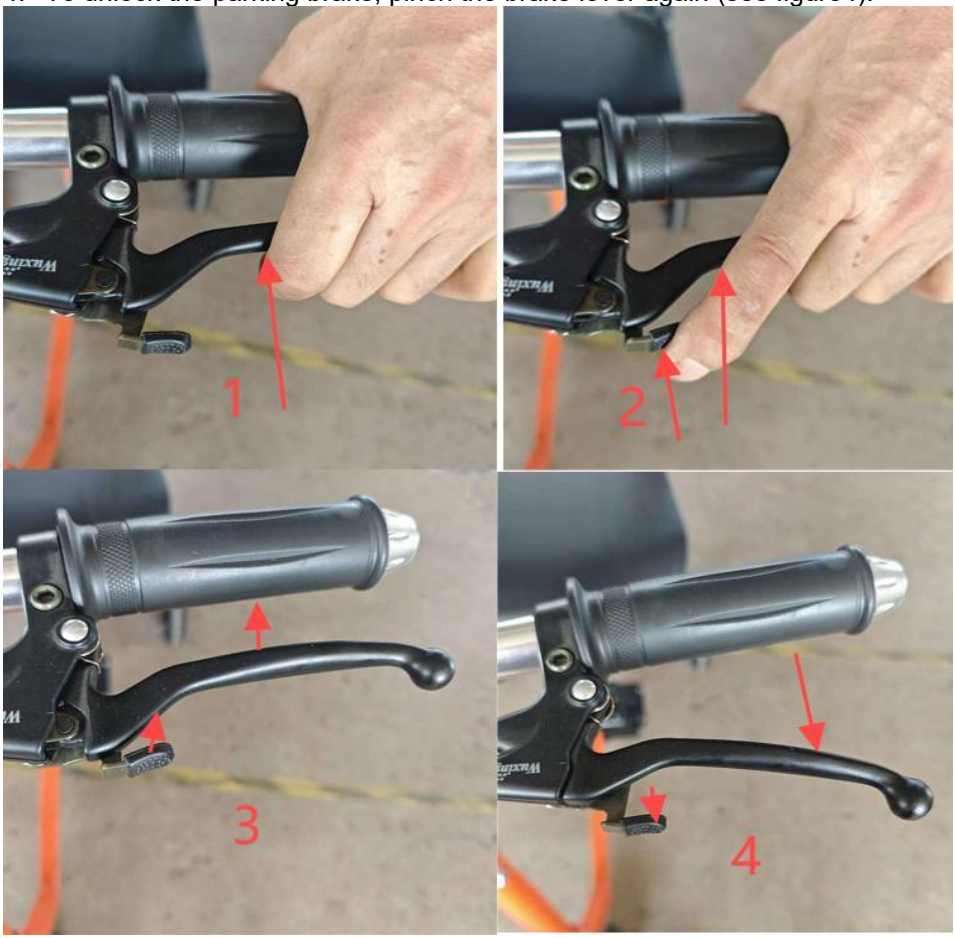


●It is best to charge the battery with around 70% of its capacity, especially when the battery is discharged to a lower capacity. The vehicle controller has already provided discharge protection for the battery, and it is not allowed to continue driving using the rebound voltage. The power should be turned off and the battery discharge should be stopped. Otherwise, over discharge and damage to the battery will be the responsibility of the individual.

●Please use the original charger when charging. If the charger is damaged, please consult the customer service.

Parking brake setting steps

1. Pinch the brake handle (see figure1).
2. Keep the brake handle closed and press the parking brake switch (see figure2).
3. Release both the brake lever and the parking brake switch. The parking mode has been set (see figure3).
4. To unlock the parking brake, pinch the brake lever again (see figure4).



Tighten/loosen the brake

Turn the screw beside the rear wheel clockwise to tighten the brake.

MAINTENANCE

Maintenance is important for the electric scooter. If the vehicle is driven at high speed in unfavorable conditions for an extended period, the frequency of maintenance should be increased. In case of significant failure or an accident, key components such as the frame and indicator lights should be checked. Worn parts should be repaired or replaced to ensure safety.

WARNING! DO NOT modify the vehicle, to ensure the safety and reliability of the scooter. Always use original or equivalent quality parts for maintenance and replacement. Using inferior parts can affect the performance and operation of the scooter.

WARNING! For the safety of personnel, always turn off the power and park the scooter on a flat, hard surface before performing any maintenance work.

WARNING! If the electric scooter is stored for more than a month or not used during the winter, maintenance should be performed on parts like tires and the battery to prevent aging and corrosion.

Battery Maintenance

If the vehicle will not be used for an extended period, please turn off the power switch inside the seat box and remove the battery. Fully charge the battery at least 2-3 times per month, and store it in a cool, dry, and well-ventilated place to extend the life of the battery and reduce the chance of over-discharging.

If the battery terminals are corroded, remove the battery and clean the terminals. Always turn off the ignition switch before removing the battery.

Vehicle Storage

For long-term storage (such as during winter), certain steps should be taken to prevent malfunction and damage. Maintenance should also be performed before storage to ensure that the scooter is ready for use when needed.

Storage and Operating Precautions

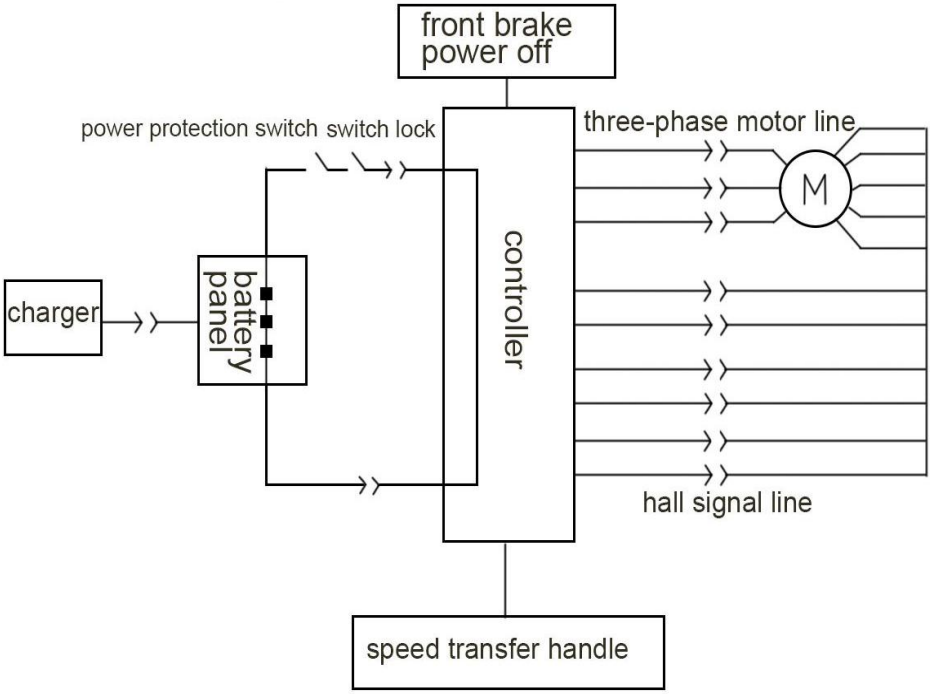
Avoid prolonged exposure to sunlight or rain to prevent damage to the controller components, which could lead to operational failures.

Battery Disposal

Your lithium-ion battery must be recycled or disposed of in an environmentally responsible manner.

Do not dispose of the lithium-ion battery with regular household trash. By law, lithium-ion batteries must not be incinerated, land-filled, or mixed with household waste, as it may explode or leak.

ELECTRICAL SCHEMATIC DIAGRAM



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