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Special tips for safety of electric bike

- Remind the user to obey the traffic regulations and pay attention to driving safety.
- Strictly drive electric bikes on the road by persons under the age of 16;
- Electric bikes shall be driven in non motorized lanes, and the maximum speed shall not
- Exceed XXX speed; On a road without a non motorized lane, the driver shall drive on the right side of the roadway;
- Caution: do not lend the electric bike to people who cannot operate it to avoid injury;
- Electric bikes shall carry people or articles in accordance with laws and regulations;
- It is recommended to wear a helmet when riding;
- When riding in rain or snow, the braking distance will be extended. Pay attention to slow down; Try to avoid travel in severe weather such as rainstorm.
- Remind users to pay attention to the safety of electric scooter.
- Do not park electric bikes in the building lobby, evacuation stairs, walkways and emergency exits;
- Electric bikes should not be charged or parked in residential buildings. They should be kept away from combustibles during charging, and the charging time should not be too long;
- Correct use and maintenance methods of storage batteries; waste storage batteries shall not be disassembled without authorization, and shall be recycled by relevant professional departments;

- Safe use method and warning words of charger; When replacing the charger, it should match the battery model;
 - Precautions for water washing;
 - When adjusting handlebars or saddles, attention shall be paid not to expose the safety line marks of handle risers and saddle pipes (when applicable).
 - Check before riding. If there is any abnormality, please repair it in time or find a professional. Status of power supply circuit, lighting circuit, etc;
 - Whether the front and rear brakes can work normally;
 - Fastening status of handlebars and front and rear wheels;
- Tyre pressure;
1. Whether the reflector is damaged or contaminated.
 2. The charger of electric bicycle shall meet the following requirements:
 3. Under abnormal working conditions, the charger has protection function, and the charger output wiring is not damaged after reverse connection or short circuit;
 4. The charger has the function of anti electric shock protection, and the structure and shell have sufficient protection for accessible live parts.

Safety driving precautions

Please obey the traffic rules and control the safe driving speed within the safe speed.

(Note: the safety vehicle I speed of this vehicle is 50km/h)

Before you drive, familiarize yourself with the contents of this manual. Then, find an open field for training to fully master the driving essentials of the electric bike and get familiar with its structure, which is the basis for safe driving.

warning

Drive at a safe speed to avoid accidental personal and vehicle damage

warning

Do not lend it to or let it be used by unfamiliar and non driving personnel. It is very dangerous to drive with one hand, or to drive after drinking.

Pay more attention to safety when driving in rainy and snowy days

Wet ground in rainy and snowy days will bring danger! Therefore, high speed driving should be avoided Be very careful when turning.

In particular, remember to brake in advance in rainy and snowy days to prevent accidents!

Use helmet correctly

When driving, properly wear your own safety helmet on your head .

Loading Precaution

The load should not be too heavy

When carrying or not, the handle has a different sense of control. If there is too much load, the handle is easy to vibrate and cause danger. The rated load of the vehicle is 180kg, If the load of the basket is more than 5kg, the greater the risk of excessive load.

be careful

1. In order to facilitate maintenance, overhaul and service each vehicle produced by the company has its frame number and motor number, so as to help the dealer unit provide you with better service.
2. the frame number is stamped on the Frame head tube.
3. the motor number is stamped on the outer end cover of the motor.

be careful

1. Except for the specified position, other departments shall not carry any objects to avoid damaging the guard board.
2. Please do not put cotton gauze or other items near the motor.
3. Do not put objects under the seat cushion (outside the storage box) to prevent accidents.

Correct use and maintenance of motor

Proper Use

- **Avoid Overloading:** Do not exceed the recommended weight limit to prevent strain on the motor.
- **Smooth Acceleration:** Start gently and avoid sudden acceleration to reduce motor stress.
- **Moderate Speeds:** Avoid prolonged high-speed riding; take breaks during long rides to prevent overheating.
- **Water Exposure:** Refrain from frequent riding through deep water or puddles to protect motor components.

2. Cleaning and Inspection

- **Regular Cleaning:** Wipe the motor casing with a soft, dry cloth to remove dust and dirt.
- **Avoid using water or cleaning sprays directly.**
- **Check Connections:** Inspect wiring and connectors periodically for looseness, corrosion, or damage.
- **Ensure plugs are secure and insulated.**
- **Monitor Performance:** Listen for unusual noises like grinding or clicking and check for excessive heat during rides.

Correct use and maintenance of controller

1. When starting the ride, the user should try to use the pedal to start the electric ride.
2. When using the speed regulating handle, rotate it slowly, and do not use force to rotate it instantaneously.
3. In case of uneven, slippery, steep and other adverse conditions, do not ride and get off the vehicle.
4. During use, reduce frequent braking as far as possible under absolutely safe conditions.
5. If any fault occurs during use, it must be repaired at the electric bike sales unit or the special after-sales service office.

Adjustment of rear brake

Use the adjusting screw and lock nut of the brake line on the rear band brake to adjust the adjusting screw until the brake is sensitive without jamming and the rear wheel rotates without obstruction, and then tighten each adjusting screw.

Riding operation

1. Check whether the front and rear brakes are reliable before riding; Whether the reflector is in good condition; Whether the fasteners of front wheel, rear wheel, handlebar and saddle pipe are fastened; Whether the horn device is normal; Whether the tire pressure is normal and whether the power is sufficient.
2. Lock the battery box in the electric bike .
3. Insert the switch key into the power lock switch, turn it to the on position (on position), and the power voltage display light will be on, indicating that the power is on. Rotate the speed control handle (right handle) inward (counterclockwise). and then the vehicle can be started .
4. The speed control handle rotates inward (counterclockwise) to increase the beam size (slow to fast).
5. After the electric bike is started, it shall be accelerated slowly, and it shall not be increased to high speed instantly, so as to avoid damaging electrical components.
6. When starting or climbing, please use the foot pedal at the same time to avoid power consumption and prolong the service life of the battery and motor.

7. The front brake and rear brake of the electric bike have the function of brake power off. During riding, it is necessary to avoid that the speed control handle after braking is not in the original position (in the speed control state). Release the brake and suddenly start the vehicle, which will damage the battery and motor.
8. The rated load of this vehicle is 180kg. Please do not ride with overload.
9. The electric bike has a power display, when only the red color is on, it means the battery is insufficient, at this time, you can only walk and charge in time.
10. When parking, double brace up to ensure that the parking is stable and reliable, turn off the power and remove the key.
11. During the implementation, the power supply shall be turned off to prevent unintentional rotation of the speed control handle, which may cause accidents when the vehicle is suddenly started.
12. When the power is off, avoid rotating the speed control handle to avoid shortening the service life.
13. During riding, on the premise of absolute safety, try to reduce frequent braking to save electric energy.
14. In case of poor road surface and traffic congestion, pedal riding is adopted.

Note: it is forbidden to use electric bike when the power display is insufficient.

Proper use and maintenance of charger

Charging method

1. Before charging the battery, it is necessary to turn off the power switch, remove the key, insert the output plug on the charger into the charging socket on the battery box, and then insert the input plug on the charger into the household 110V power socket. At this time, the power indicator red light on the charger and the charging indicator red light are on at the same time, indicating that the power supply is connected.
2. When the charging indicator red light is on, it means charging is in progress. When the charging indicator red light turns green, it means that the battery is basically full. Do not charge for a long time to avoid overcharging the battery. Generally, it should not exceed 6 hours.

3. After the battery is fully charged, first unplug the input plug on the charger from the household 110V power socket, and then unplug the output plug on the electric appliance from the charging socket on the battery box.

Precautions for charger use:

- ▲ 1.If the battery is removed for charging, do not touch the metal contacts of the two poles with wet hands, let alone contact the metal contacts of the two poles with conductive objects, so as to avoid accidents.
- ▲ 2.If the battery is removed for charging, the battery shall not be placed upside down or on the side for charging.
- ▲ 3.When charging, please put the battery box and charger out of the reach of children.
- ▲ 4.Please do not use chargers of other brands for charging.
- ▲ 5.The charger contains a high-voltage circuit, please do not disassemble it without authorization.
- ▲ 6.When charging the charger, do not cover anything on the charger.
- ▲ 7.When the charger is used or stored, liquid, metal and non-metal debris shall be prevented from being mixed into it, and falling and impact shall be avoided to avoid loss.
- ▲ 8.During the charging process, if you smell peculiar smell or the temperature is too high, please stop charging immediately and send it to the dealer or special after-sales service office for repair.
- ▲ 9.The charger will generate a certain amount of heat during use, so it must be kept at a distance of more than 0.5m from inflammables during use.
- ▲ 10.The battery shall be placed away from heat sources and alkaline substances to avoid direct sunlight.
- ▲ 11.When charging, do not insert or pull out the plug with wet hands It is strictly forbidden to pull the harness directly to remove the plug.
- ▲ 12.It is normal that the cycling mileage of the battery will be reduced due to the decrease of temperature in winter.
- ▲ 13.Do not bump or collide when carrying the charger To avoid loss.
- ▲ 14.It is strictly forbidden to disassemble and repair the charger without authorization. If there is any fault during use, please check and repair it with the electric bike seller or the authorized after-sales service station in time.

Proper use and maintenance of batteries

- After purchasing the electric bike, the user will supplement the electricity on the same day. If the electric bike is not used for a long time, the user shall supplement the power every other month; With the increase of charging times, the capacity of the battery will decrease correspondingly.
- Charging method and precautions (see page 8-9 of the operation manual for details).
- For users who normally use the battery for a short distance, the battery shall be fully charged after full discharge every two months(i.e. only one light is on in the power display).
- When starting an electric ride, you can use the pedal to help start the ride, and then start the electric ride.
- When climbing a slope or facing the wind, need to be careful more.
- During use, the vehicle has undervoltage protection function. When the indicator light is on, the vehicle is in a power-off state. When the battery is full, it will recover automatically.
- When the storage battery is removed and placed, the action must be slow and stable.
- If the battery case is found to be broken or leaking, please go to the electric bike sales unit or the special maintenance Office for maintenance service.
- The electrolyte of the battery is an acid solution. If it touches the skin or clothes, wash it with clean water quickly.
- Almost all kinds of batteries are affected by ambient temperature. When the temperature is below zero, the electric energy of the battery will decrease. It is normal to reduce the mileage of one-time charging when winter comes or in cold areas. When the temperature rises, its function will recover naturally.

Common faults and troubleshooting methods

General faults and Troubleshooting:

Fault phenomenon	Cause of failure	Exclusion method
When the power switch is turned to the on position and the electric quantity indicator is fully on, turn the speed regulating handle and the electric bike will not start.	1.The speed control handle is out of order or the connecting wire is loose. 2. The motor connecting wire falls off or has poor contact. 3. The power-off brake handle is not reset or the function is invalid	1. Reconnect or replace the speed control handle 2. Reconnect the motor line 3. Reset or repair or replace the handle
Turn the power switch to the on position, and the vehicle has been started when the speed control handle is not turned.	1.The speed control handle is not in the reset state. 2.The controller is damaged, resulting in 'runaway'. 3.The function of the speed control handle is invalid due to rain	1. Tum off the power and reset again 2. Repair or replace the controller 3. Repair or replace the speed control handle
When charging, connect the power supply and the indicator light does not light up	1. The connection between the charger plug and socket is loose. 2. The internal fuse of the charger is blown out. 3. The connecting wire of the battery pack falls off	1.Reconnect and keep the connection in good condition. 2.Replace the fuse of the same model. 3.Welding the connecting wire in the battery pack
Slow driving speed	1. The speed control handle cannot be fully adjusted. 2. The battery power is insufficient. 3. Front and rear wheels are blocked	1.Repair or replace the speed control handle 2.Charge the battery immediately . 3.Remove the front and rear wheels from jamming
When charging, when the plug is inserted into the power socket, the green light of the charger is on	1. The battery is full 2.Loose contact between the charging output plug and the socket 3. The charger itself has been damaged	1.No charging required 2.Reconnect and keep the connection good 3. Repair or replace the charger
If the above conditions are normal, it is another fault. In this case, please send it to the car sales unit or the authorized after-sales service office for professional repair.		

Product maintenance:

1. Cleaning Painted Surfaces

- Gently wipe dirt and dust from all painted parts of the bike using a soft cloth with a neutral detergent.
- After cleaning, immediately wipe the surfaces with a dry cloth to prevent moisture from affecting the paint or causing corrosion.
- Avoid abrasive materials or harsh chemicals that can damage the paint finish.

2. Cleaning Non-Painted Metal Parts

- Wipe the non-painted metal parts of the bike (e.g., frame sections, handlebars) using a soft cloth lightly coated with thin oil.
- Follow this by wiping with a dry cloth to remove excess oil and prevent stickiness or dust accumulation.

3. Avoid Contact with Certain Parts

- Never allow oil, grease, or lubricants to come into contact with: Tires and wheels
- Plastic components
- Front and rear brakes
- Electrical connectors and metal contacts
- Oil contamination in these areas can compromise braking performance, traction, and electrical safety.

4. Maintenance of Metal Contacts (Electrical Points)

- For electrical connectors and other exposed metal contacts, wrap a dry cloth in non-conductive material before wiping.
- Carefully remove dirt and dust one contact at a time to avoid short circuits or damage.
- Regular maintenance of metal contacts ensures stable electrical performance and extends component life.

Instruction of Operating Buttons

1. Upper Switch (Light Symbol)

- Function: Turns the headlight on/off (depending on scooter model, some keep headlights always on for safety).
- Operation: Push the switch upward or downward to toggle between headlight ON and OFF (or low/high beam if dual mode is available)

2. Middle Switch (Left–Right Arrows)

- Function: Turn Indicator Switch.
- Operation:
 - Push left ← → Left turn signal blinks.
 - Push right → → Right turn signal blinks.
 - Push back to the center to cancel the signal.

3. Lower-Left Button (Horn Symbol)

- Function: Horn Button.
- Operation: Press and hold the button to sound the horn. Release to stop.

4. ACC Button (Accessory / Boost Switch)

- Functions: The ACC button is designed to activate additional functions beyond the basic ride mode.
- Operation: Depending on your scooter model, it can have two main uses:
 - Power Boost Mode – Provides extra acceleration for quick overtaking or uphill riding.
 - Accessory Power – Supplies power to auxiliary systems like extra lights, USB charger, or other add-ons.

Warranty of Componentets

Component	Warranty Period	Covers	Excludes
Battery	24 months	Manufacturing defects, abnormal capacity drop	Overcharging, water damage, misuse
Motor	24 months	Winding faults, controller integration issues	Water ingress, modification, accidents
Controller	24 months	Circuit faults, display malfunction	Short circuit, tampering, wrong wiring
Charger	12 months	Internal electrical faults	Power surge, physical damage, non-original use
Frame	12 months	Structural/welding defects	Paint, rust, scratches, crash damage
Other Electrical Parts	12 months	Lights, switches, sensors	Misuse, external modifications
Wear & Tear Parts	Not Covered	—	Tires, tubes, brake pads, chain, grips

Instructions for using lithium batteries

Charging Instructions

- Always use the original charger provided with the scooter.
- Plug the charger into the AC socket first, then connect to the battery.
- Charge in a dry, ventilated area away from heat and direct sunlight.
- Normal charging time: 4–6 hours (depends on battery capacity).
- Unplug the charger once the battery is fully charged – avoid overcharging.

During Riding

- Ensure the battery is securely locked in its compartment before riding.
- Monitor the battery indicator on the display – avoid deep discharge (below 20%).
- Avoid rapid acceleration frequently, as it drains the battery faster.
- Do not expose the scooter to heavy rain or deep water – lithium batteries are sensitive to water.

Storage & Maintenance

- If not using the scooter for a long time, keep the battery charged at 50–70%.
- Recharge the battery every 30–45 days during storage.
- Store in a cool, dry place (temperature range 10°C–30°C).
- Avoid direct sunlight, fire, or freezing conditions.