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EVBIKES

Dear users

Thank you for choosing to buy E-bike products. E-bike Vehicle Co.,Ltd.and all employees extend sincere welcome and heartfelt thanks for your choice.

This manual introduces the structure of E-bikeelectric bicycle, the use, industry and trade of accessories, precautions and maintenance methods. Please read the manual carefully,

Understand the common sense of electric vehicles and be able to operate them easily, so as to ensure your safe driving on the road.

In order to effectively protect and make your car as convenient as possible, if you find problems that cannot be solved by yourself or replace parts, please contact the maintenance station to purchase standard parts. In addition,when you purchase our products,please fill in the "user repair application certificate" in detail and clearly, "user"

The "keep" copy shall be kept properly, and the other two copies shall be delivered to our service station in your place, so that we can contact and serve you in time.

E-bikeelectric vehicle will accompany you on a safe journey and give you a free and convenient life!

"Your choice is the beginning of our service!" from today on, we will wholeheartedly provide you with convenient, timely, fast and satisfactory service!

Please read this manual carefully and follow all regulations and instructions. Please do not use it until you understand the characteristics of the vehicle (for the "danger", "warning" and "attention" clauses,

Please read carefully).

After reading the instructions, please keep them properly.

Executive standard: GB 17761-2018

Special tips for use safety of electric bicycle

1. Users shall abide by traffic regulations and pay attention to driving safety.

(1) It is strictly prohibited for people under the age of 16 to drive electric bicycles on the road;

(2) The electric bicycle shall be driven in the non motor vehicle lane, and the maximum speed shall not exceed 25km / h; In no On the road of non motor vehicle lane, it shall drive on the right side of the roadway;

(3) Don't lend the electric bicycle to people who can't operate it to avoid injury;

(4) Electric bicycles shall carry people or articles in accordance with laws and regulations

(5) Wear helmets when riding to ensure riding safety;

(6) When riding in rain and snow, the braking distance will be extended. Pay attention to slow down; Rainstorm and other bad weather, try to Avoid travel.

2. Electric bicycle is safe to use.

(1) Do not park electric bicycles in the building lobby, evacuation stairs, walkways and emergency exits;

(2) Electric bicycles shall not be charged and parked in residential buildings. They shall be far away from combustibles during charging, and the charging time (3-8 hours is appropriate) shall not be too long;

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(3) Read the terms of the manual: correct use and maintenance methods of the battery;
Waste batteries shall not be used without authorization
For disassembly, relevant professional departments shall organize recycling;

(4) Read the terms of the manual: safe use methods and warning words of the charger;
when replacing the charger,It shall match the battery model;

(5) precautions for water washing;

For daily cleaning of electric bicycles, you can clean the outside of the whole vehicle with a wet cloth.
If you need deep cleaning and water washing, you can
Go to the professional maintenance point and be washed and maintained by professionals.

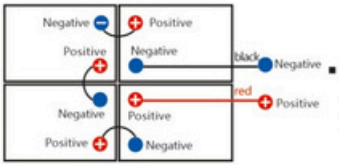
(6) Read the terms of the manual: when adjusting the handlebar or saddle, pay attention not to expose the safety line marks of the handlebar riser and saddle pipe (when applicable).

3. Read the terms of the manual: check before riding. If there is any abnormality, please repair it in time or find a professional repair.

(1) Check the status of power supply circuit and lighting circuit;
(2) Check whether the front and rear brakes can work normally;
(3) Check the fastening status of handlebars and front and rear wheels;
(4) Check the tire pressure;
(5) Check the reflector for damage or contamination.

Schematic diagram of battery connection

Installation diagram of 48v12ah battery



warning

For the safety of you and your car, please be strict
Wiring according to the battery installation diagram, such as
The battery connecting wire is damaged.
Please go to the exclusive store for repair in time

Notes for battery installation

1. The battery shall be firmly connected and fixed. It must be fastened and welded firmly during installation Cover the insulating sheath;
2. It is strictly prohibited to cross and squeeze between battery connecting wires;
3. It is forbidden to squeeze the battery connecting wire between batteries;
4. When replacing the battery connecting line, please use the new battery specially equipped by our company Line;
5. Please the professional installation personnel (the distributor designated by our company) and the instructions Guide installation.

Precautions for safe driving

Please obey the traffic rules and drive safely. Please control your speed at a safe speed Within vehicle speed. (Note: the safe speed of this vehicle is 15km / 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 and skills of the car Be familiar with its structure, which is the basis of safe driving.

Warning

- Drive according to the traffic signal, and it is forbidden to run the red light;
- Drive in the non motor vehicle lane without traffic warning signs, Please keep right and do not drive in the opposite direction;
- Turn on the headlights when driving at night;
- Please drive at a safe speed to avoid accidental damage;
- Do not lend it to or let unfamiliar and unfamiliar drivers use it; Never single Hand driving, big handle withdrawal and drunk driving.

Danger: electric bicycles should be parked away from heat and fire sources

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

Rainy and snowy days will bring danger due to wet ground! Therefore, high should be avoided
Be very careful when driving at high speed and turning. Especially remember: rainy and snowy days Brake in advance to prevent accidents!

- **Correct use of helmets**

When driving, correctly wear your own safety helmet on your head and fasten the belt.

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Dress correctly

Wear bright colors and move freely without tight fitting and cuffs
Keep your clothes open and wear low heels as much as possible.

be careful:
- In order to facilitate maintenance, overhaul and service, each vehicle produced by the company is
- It has its frame number and motor number, so as to help the distribution unit pick it up for you For better service.
- The driver's number is stamped on the frame head tube. The motor number is stamped on the outer end cover of the motor.

The load should not be too heavy

When carrying and not carrying, the handle has a different sense of control, and the load is too heavy
Too many, the handle is easy to vibrate and dangerous.
The rated load of the vehicle is 1 person.
If the container holds less than 2kg, the greater the risk of excessive load.

be careful: In addition to the specified position, other parts shall not be loaded arbitrarily to avoid damaging the guard plate.Do not put cotton gauze or other items next to the motor.Don't put things under the seat cushion (outside the storage box) to prevent accidents.

Note: when washing the car, do not directly splash water on the brake drum, motor and front and rear axles to prevent water from affecting the service performance and service life. When washing the car, do not use steam or high-pressure water pipes.

Adjustment of handlebars and saddles

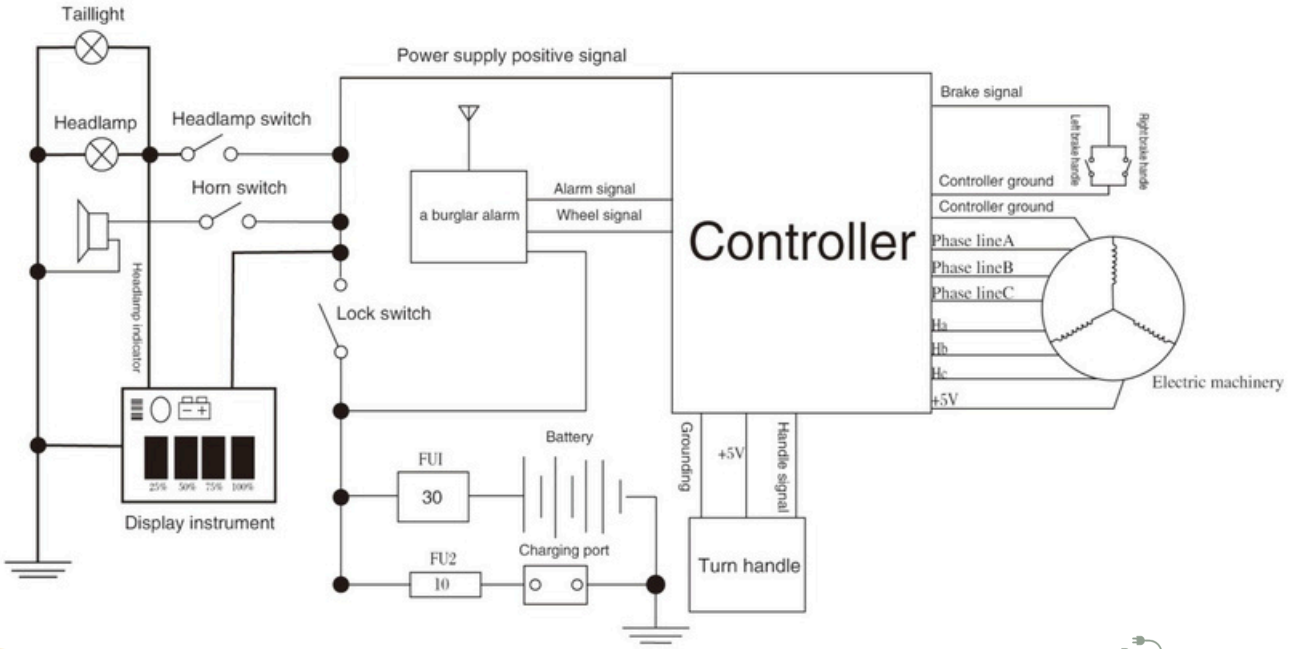
When adjusting the height of handlebars and saddles, do not exceed the safety marking of riser and saddle pipe orifice. For the horizontal pipe, pay attention to fastening after adjusting the riser, saddle and saddle pipe, and the pushing torque is 18N. M.

- Pay attention to safety when installing, carrying and charging the battery
  The two metal contacts of the battery box end and the connecting wire end used in this vehicle are not
  Can touch with wet hands at the same time, and can't contact with metal at the same time, no
  It will produce large short-circuit current and cause accidents.

Inspection, cleaning and maintenance before driving

Please be sure to form the habit of pre departure inspection, regular inspection and frequent cleaning, and it is best to wash and wipe with a soft cloth.

Electrical schematic diagram



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Instrument inspection and function use before riding

1. Power indicator: turn on the power. When the light is on, it indicates that the power has been turned on.
2. Turn indicator: turn on the turn switch, whether turning left or right,This light flashes regularly, indicating that the left or right turn signal at the front and rear ends has been turned on.
3. Voltmeter: turn on the power switch and the position indicated by the voltmeter pointer Indicates the capacity status of the power supply. When it refers to the lower edge of green, the power The capacity of the tank is about 60% of its rated capacity. When pointing at the lower yellow edge, The battery capacity is about 40% of its rated capacity. So when you find that When the needle is close to the middle of the yellow, please charge it in time.
4. Undervoltage indicator light: when the light is on, it indicates that the battery needs to be replenished Electricity, please supplement electricity in time.

Switch check and function use before riding

1. The power switch on key is turned on in this position,The motor can be started. When driving, do not remove the key and turn off the power. Off: cut off the power supply, the motor stops running, and the key can be removed to prevent theft, the key can be removed or inserted.

Note: Please add anti-theft lock when you leave the car.

2. Headlamp switch

Press the headlamp switch, and the headlamp and rear tail lamp are on. Press again to turn off the headlights and rear tail lights.

3. Speed control handle

Counterclockwise rotation accelerates, clockwise rotation decelerates. Relax the reset and the motor stops rotating.

4. Horn switch

When the power switch is on, press the horn button to sound; Do not use the horn when it is not necessary or on the road to prevent noise pollution.

5. Steering switch

Use this switch when turning or changing lanes. Turn left and turn left, turn right when turning right, turn to the end, place the button in the middle, and the signal will go out.

Note: the turn signal lamp shall be turned off immediately after use to avoid misunderstanding to others.

Reflector inspection

The side reflector and rear reflector shall be kept free of damage and pollution, and shall be replaced in time in case of abnormality to ensure riding safety

Correct driving

- Startup method:

Before starting: stand on the left side of the vehicle, stand up the main support and check the whole vehicle Check whether there is any abnormality.

1. Turn the power switch to the on position, check whether various lights are on, and turn them on Whether the switch works, whether the horn sounds, and whether the brake handle switch is normal; as If there is no abnormality, put the main support flat and make the rear tire land.

2. Motor start

When you are firmly seated in the car, slowly rotate the speed control handle inward, and the car will Start driving and then slowly accelerate.

Danger: after the rear wheel lands on the ground and the person is not riding stably on the vehicle, the speed control handle cannot be turned. Do not lend or let unfamiliar and non driving personnel use it. One hand drive It's dangerous to drive or spread a handle, and drive after drinking.

- Speed adjustment

The speed can be adjusted by rotating the governor

- Braking use

When braking, brake slowly and then tighten

3. Do not brake or turn sharply. Emergency braking and sudden steering are made It is the main factor of side slip or rollover, which is extremely dangerous.t

Note: if only the front or rear wheels are braked, the vehicle may slip, which is extremely dangerous.

- Precautions during driving

1. Keep a natural posture before you can drive freely
2. The operation safety of the two wheeled vehicle has an impact on the riding positionPlease always keep it in the middle of the seat cushion to prevent the load of the front wheel from reducing,

Danger caused by shaking of the handle.

3. It is difficult to accelerate on damaged roads or gravel roads,

Drive slowly and observe carefully.

4. In rainy and snowy days, the road is wet and easy to slide, so you should concentrate,

Be ready at any time and brake in advance. Clean the vehicle or drive in water Pay special attention to the working condition of the brake. After washing or driving in water, The braking effect may be reduced. At this time, drive slowly, pay attention to safety and gently Brake until it returns to normal.

5. In heavy rain and rainstorm, the accumulated water on the road exceeds the outer edge of the wheel motor When in the lowest position, please do not ride in the water to avoid motor and rear braking Possible performance failure of the actuator.

- Parking method

1. Signal to approach the parking place.

Turn on the turn signal in advance, pay attention to the rear and side vehicles, and stop slowly.

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1.Return the speed control handle and use the front and rear brakes in advance.

2. When the vehicle stops completely, the turn signal switch goes out and the power key is turned to the off position.

3. When parking, stand on the left and flat ground, step on the main support step rod, step down hard, and lift up with your right hand.

Note: do not stop on the soft slope to prevent the vehicle from toppling. The vehicle can be supported by a single support if it is not placed for a long time.

When you leave the car, be sure to lock the anti-theft lock and take away the key in order to prevent the car from being stolen.

Note: do not stop on the soft slope to prevent the vehicle from toppling. The vehicle can be supported by a single support if it is not placed for a long time.

- Battery charging and maintenance

The maintenance free lead-acid battery is used for this vehicle, and the service temperature is - 15 ℃ to
Within 45 ℃, it is better to be at 20 ℃ ± 10 ℃, too low will reduce its risk
High effective capacity will affect its service life. So in winter or cold
In cold areas, it is normal to reduce the follow-up distance after a single charge
In addition, when the temperature rises above 20 ℃, its function will recover naturally. Battery
It is an important part to protect the good performance of the vehicle. Please pay attention to proper protection,
Please do not use the electric energy to the minimum allowable voltage every time you ride
When the undervoltage indicator flashes, you must charge the battery.
It's best to develop the habit of charging after riding every day, which is very important to the battery life
Great benefit.

Danger: it is strictly prohibited for consumers and dealers to modify the battery configuration without permission.

be careful:
The battery of a new car purchased may be low due to delivery, transportation, etc.
Please be sure to fully charge the battery (the recommended charging time for the first time is 8 hours)
When), then use electric drive.
If you don't use it for a long time, be sure to recharge the battery once a month,
Otherwise, long-term storage without use will seriously shorten the battery life.
Do not discard the waste battery at will to avoid polluting the environment. Waste power storage of this product
The pool shall be recycled by the enterprise or distributor and the network designated by the government

- Use and maintenance of charger

① Carefully check the rated input voltage (AC220V) of the charger and
Whether the grid voltage is consistent.
② The battery can be charged directly on the vehicle or removed with the battery
Charge indoors and other suitable places. In cold areas in winter
Indoor charging.
③ Please connect the output plug of the charger with the charging jack of the battery first
When connected properly. Then connect the input plug of the charger to AC
Current power supply, power indicator red light is on. Reverse operation of this program is not allowed
④ At this time, the charging indicator red light of the charger is on, indicating that the battery is running
Power on; When the indicator turns from red to green, it is fully charged
80%. At this time, the battery is available. It is recommended to recharge for (1 ~ 2) hours,
Make sure the battery is fully charged.
⑤ Generally, the charging time shall not exceed 8 hours, otherwise the battery will be affected after
overcharging Sound life.

⑥ It is strictly forbidden to press the charger and wire skin to avoid short circuit. rain

It is forbidden to put the wet rain gear into the seat bucket together with the charger.

Charging precautions

When charging, please put it in a safe place out of the reach of children.

It is strictly prohibited to start using without full charge, otherwise it will be damaged

Affect battery life.

The charger contains high-voltage circuit, please do not disassemble it without authorization.

When using and storing, pay attention to dryness, no rain and dew, and prevent

Prevent liquid and metal particles from penetrating into the charger, and beware of falling and impact,

Avoid accidents and injuries.

When charging, do not plug and unplug the plug with wet hands.

Do not cover anything when charging the charger.

This charger is for indoor use. Please put it in a dry and well ventilated ring

Use in the environment.

When you smell peculiar smell, high temperature and charging during charging

If the indicator light of the charger does not turn green for more than 8 hours, please immediately

Stop charging and send it to the dealership for maintenance.

When charging, do not put the charger on the saddle to avoid affecting the charging process

Heat dissipation effect of charger in.

Be sure to turn off the switch lock when charging, so as to avoid any change in the process of charging

The moving handle causes accidents such as flying cars.

be careful:
Do not use chargers of other brands and specifications for charging, and other types of batteries are not allowed
Do not use this charger, otherwise the company will not be responsible for damage.
Do not place the charger in the trunk with the vehicle, otherwise it will be bumped, vibrated, wet, etc
Cause damage to the charger.If the power supply is damaged or the charging system fails, go to the maintenance shop designated by the manufacturer Replacement and repair.

Use and maintenance of motor and controller

Regularly check whether the cover screws at both ends of the motor are loose.

Regularly check the insulation between motor wiring and casing.

Regularly check whether the wiring of the controller is loose.

Regularly check whether the fuse is loose.

Note: when the rain angel is used, the motor shall not be driven in deep water,
let alone water The surface exceeds the position of the middle axle of the rear wheel;
During use, pay attention to check the motor and rear flat fork If the nut is found to be loose,
fasten it in time or ask a professional service person
Inspection and handling by the operator.

In order to prolong the service life of the vehicle and drive safely and comfortably, please

Regular inspection and maintenance shall be carried out. When the vehicle is out of use for a long time, it shall also be implemented Check regularly.

Check and maintain the new car when driving 300km.

Pay full attention to safety during inspection

① Choose a spacious and flat place to support the main support.

② When driving inspection is required, it shall be carried out in a safe place and at the same time

Pay attention to the surrounding safety.

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③ If any abnormality is found through the inspection, please eliminate the abnormality before driving

Drive. If the project is difficult to solve, the maintenance station can be entrusted for inspection.

Inspection of operating parts

1. Check whether the front fork is bent or damaged.

Check whether the front fork is damaged and shake the handle up and down to check whether the front fork is bent

And produce abnormal sound. If the front fork is abnormal, please go to the distribution unit for inspection

Check and repair.

2. Brake inspection

Whether the free clearance of the brake is within the specified range (10–15mm)

The measurement shows that if it is wrong, it should be adjusted. If the brake shoe

Is seriously worn (more than 2 / 3), it is required to replace it in time.

Note: after brake adjustment, be sure to tighten the brake screw fixing screw to prevent danger during driving. At the same time, keep power off before braking.

3. Braking effect

When driving at low speed on a dry and flat road,

use the front and rear brakes respectively to check their braking effects.

Note:

When holding the brake lever, if it still fails to work, adjust the brake block

Distance from rim. When riding in rain or snow, the braking distance shall be increased.

4. Tire inspection

Check with the tire pressure gauge when the tire is cool.

Note: abnormal tire pressure, cracking, damage and abnormal wear are one of the reasons for poor steering and tire burst.

Your vehicle is often in contact with the ground, including stones, glass

Nails can damage your vehicle, so you must be careful when driving

Pay attention to observation. In addition, always check the ground and side of the tire

Whether there are obvious cracks and damages on the surface, and whether the nail

stone and glass are pierced Whether there is abnormal wear caused by long-term driving.

5. Chain adjustment

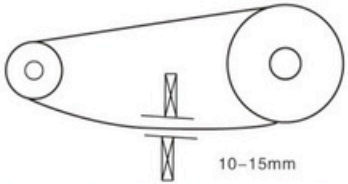
Loosen the rear axle screw first, and do not turn the adjusting nut to the left or right to calibrate

The looseness of the positive chain. While adjusting the chain, the front must also be maintained

Align the rear sprocket into a straight line, and fix it again after adjustment

Rear axle nut, lock the adjusting nut for final inspection to make the two chains

The loose distance of the wheel center is 10 – 15mm.



Warning: these suggestions are the maximum time interval.
In fact, the chain should be inspected and adjusted before each driving.
Excessive relaxation of the chain may cause chain off accident or serious damage.



Be careful that the open end of the chain head clamp s
hould be installed back to the movement.

- Depth of tyre groove
  Check the tire wear, check the depth of groove, and the use of tire
  When reaching the tread wear mark, replace the tire. When the tire is abnormal,
  Please go to the dealer to check or replace the new tire.
- Inspection of battery fluid volume
  This vehicle adopts sealed battery without maintenance,
  which does not need to be checked
  Or replenish the battery fluid. If you feel abnormal,
  please go to the maintenance station for inspection.

Note: because it is closed, the battery must not be disassembled. If it is not used for a long time, the power will gradually decrease due to natural discharge. Therefore, the battery should be taken out and stored. If it is stored in the vehicle, the (–) pole should be disconnected.

- Check the lubrication status of all parts of the body

Check whether the amount of lubricating oil filled in each part of the body is sufficient, and check each operation

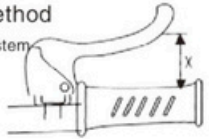
Check whether the handle rotates flexibly. If not, tighten it to each strip

Add proper No. 20 engine oil at the rotating central shaft of the line and drip it with an oil pot

It is OK, but oil cannot be injected in the electrical switch and brake area

Brake adjustment method

Adjustment of front brake system



1. Check the right brake handle. When the travel of the brake handle reaches 1 / 2x, it shall reach full braking.

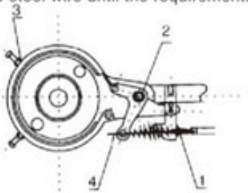
Use and maintenance of flywheel

1. Please confirm that the flywheel is lubricated when the new vehicle is used.
2. Clean the flywheel regularly every three months and inject special lubricating oil

Adjustment of rear brake system

1. Check the left brake handle in the same way as the front brake handle.
2. Adjust the adjusting screw until it meets the requirements.
   If the adjustment is invalid,Loosen the nut on the brake steel wire fixing seat and tighten or loosen the steel wire until the requirements are met.

1 adjusting nut
2 brake steel wire fixing seat
3 clearance adjusting screw
4 brake wire



3. If only the above method is not ideal, the clearance fine adjustment screw can also be adjusted at the same time to ensure that the clearance on both sides of the internal brake block is the same, and several methods can be used for linkage adjustment until the requirements are met.

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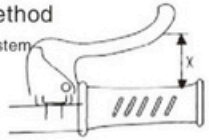
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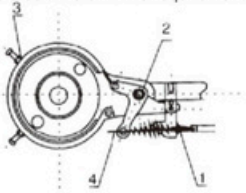
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