

KUKiitin V2

OPERATING MANUAL

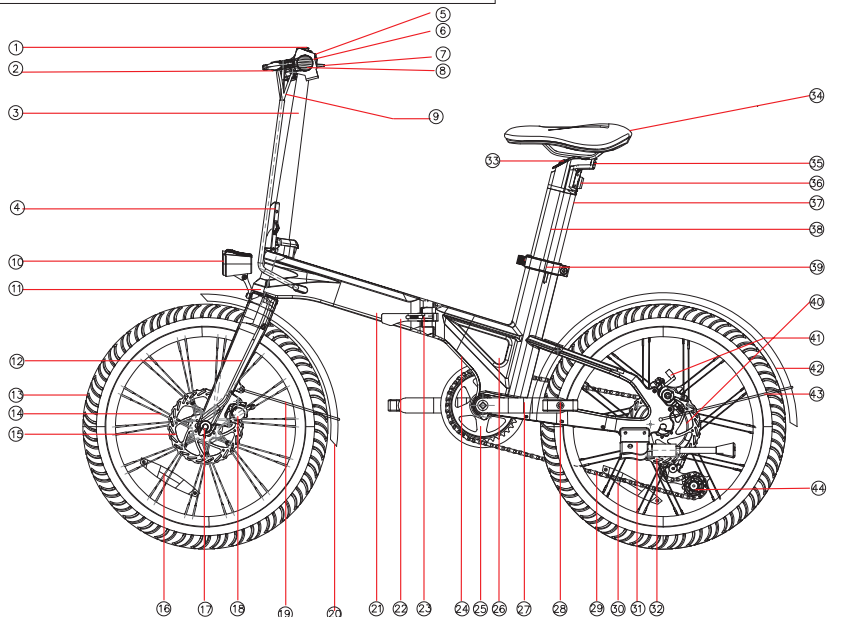
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KUKiitin

www.kukitin.net

Smart Electric Bike Instruction Manual



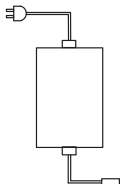
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|------------------------|----------------------------|--------------------|---------------------|---------------------------|---------------------------|---------------------------|--------------------|---------------|--------------|---------|-------------|-------------|-------------------------|-------------------------|-------------------------|------------------|------------------|------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|--------------------|--------------------|-------------------|
| ① Accelerator | ⑩ Front Light | ⑲ Mudguard Support | ⑳ Front Mudguard | ㉑ Frame | ㉒ Folding Handlebar | ㉓ Frame Folding Mechanism | ㉔ Controller Cover | ㉕ Chain Wheel | ㉖ Controller | ㉗ Crank | ㉘ Pedal | ㉙ Chain | ㉚ Reflector | ㉛ Kickstand | ㉜ Rear Disc Brake Rotor | ㉝ Saddle | ㉞ Rear Light | ㉟ Rear Reflector | ㊱ Battery Tube | ㊲ Battery | ㊳ Lockable Tube Clamp | ㊴ Flywheel | ㊵ Disc Brake Caliper | ㊶ Rear Mudguard | ㊷ Mudguard Support | ㊸ Rear Derailleur |
| ② Brake Lever | ⑪ Head Tube | ⑳ Front Mudguard | ㉑ Frame | ㉒ Folding Handlebar | ㉓ Frame Folding Mechanism | ㉔ Controller Cover | ㉕ Chain Wheel | ㉖ Controller | ㉗ Crank | ㉘ Pedal | ㉙ Chain | ㉚ Reflector | ㉛ Kickstand | ㉜ Rear Disc Brake Rotor | ㉝ Saddle | ㉞ Rear Light | ㉟ Rear Reflector | ㊱ Battery Tube | ㊲ Battery | ㊳ Lockable Tube Clamp | ㊴ Flywheel | ㊵ Disc Brake Caliper | ㊶ Rear Mudguard | ㊷ Mudguard Support | ㊸ Rear Derailleur | |
| ③ Tube | ⑫ Front Fork | ㉑ Frame | ㉒ Folding Handlebar | ㉓ Frame Folding Mechanism | ㉔ Controller Cover | ㉕ Chain Wheel | ㉖ Controller | ㉗ Crank | ㉘ Pedal | ㉙ Chain | ㉚ Reflector | ㉛ Kickstand | ㉜ Rear Disc Brake Rotor | ㉝ Saddle | ㉞ Rear Light | ㉟ Rear Reflector | ㊱ Battery Tube | ㊲ Battery | ㊳ Lockable Tube Clamp | ㊴ Flywheel | ㊵ Disc Brake Caliper | ㊶ Rear Mudguard | ㊷ Mudguard Support | ㊸ Rear Derailleur | | |
| ④ Tube Folding Buckle | ⑬ Tire | ㉑ Frame | ㉒ Folding Handlebar | ㉓ Frame Folding Mechanism | ㉔ Controller Cover | ㉕ Chain Wheel | ㉖ Controller | ㉗ Crank | ㉘ Pedal | ㉙ Chain | ㉚ Reflector | ㉛ Kickstand | ㉜ Rear Disc Brake Rotor | ㉝ Saddle | ㉞ Rear Light | ㉟ Rear Reflector | ㊱ Battery Tube | ㊲ Battery | ㊳ Lockable Tube Clamp | ㊴ Flywheel | ㊵ Disc Brake Caliper | ㊶ Rear Mudguard | ㊷ Mudguard Support | ㊸ Rear Derailleur | | |
| ⑤ Quick-release Handle | ⑭ Spoke | ㉑ Frame | ㉒ Folding Handlebar | ㉓ Frame Folding Mechanism | ㉔ Controller Cover | ㉕ Chain Wheel | ㉖ Controller | ㉗ Crank | ㉘ Pedal | ㉙ Chain | ㉚ Reflector | ㉛ Kickstand | ㉜ Rear Disc Brake Rotor | ㉝ Saddle | ㉞ Rear Light | ㉟ Rear Reflector | ㊱ Battery Tube | ㊲ Battery | ㊳ Lockable Tube Clamp | ㊴ Flywheel | ㊵ Disc Brake Caliper | ㊶ Rear Mudguard | ㊷ Mudguard Support | ㊸ Rear Derailleur | | |
| ⑥ Display | ⑮ Front Disc Brake Rotor | ㉑ Frame | ㉒ Folding Handlebar | ㉓ Frame Folding Mechanism | ㉔ Controller Cover | ㉕ Chain Wheel | ㉖ Controller | ㉗ Crank | ㉘ Pedal | ㉙ Chain | ㉚ Reflector | ㉛ Kickstand | ㉜ Rear Disc Brake Rotor | ㉝ Saddle | ㉞ Rear Light | ㉟ Rear Reflector | ㊱ Battery Tube | ㊲ Battery | ㊳ Lockable Tube Clamp | ㊴ Flywheel | ㊵ Disc Brake Caliper | ㊶ Rear Mudguard | ㊷ Mudguard Support | ㊸ Rear Derailleur | | |
| ⑦ Electric Shifter | ⑯ Reflector | ㉑ Frame | ㉒ Folding Handlebar | ㉓ Frame Folding Mechanism | ㉔ Controller Cover | ㉕ Chain Wheel | ㉖ Controller | ㉗ Crank | ㉘ Pedal | ㉙ Chain | ㉚ Reflector | ㉛ Kickstand | ㉜ Rear Disc Brake Rotor | ㉝ Saddle | ㉞ Rear Light | ㉟ Rear Reflector | ㊱ Battery Tube | ㊲ Battery | ㊳ Lockable Tube Clamp | ㊴ Flywheel | ㊵ Disc Brake Caliper | ㊶ Rear Mudguard | ㊷ Mudguard Support | ㊸ Rear Derailleur | | |
| ⑧ Handlebar | ⑰ Quick-release Hub | ㉑ Frame | ㉒ Folding Handlebar | ㉓ Frame Folding Mechanism | ㉔ Controller Cover | ㉕ Chain Wheel | ㉖ Controller | ㉗ Crank | ㉘ Pedal | ㉙ Chain | ㉚ Reflector | ㉛ Kickstand | ㉜ Rear Disc Brake Rotor | ㉝ Saddle | ㉞ Rear Light | ㉟ Rear Reflector | ㊱ Battery Tube | ㊲ Battery | ㊳ Lockable Tube Clamp | ㊴ Flywheel | ㊵ Disc Brake Caliper | ㊶ Rear Mudguard | ㊷ Mudguard Support | ㊸ Rear Derailleur | | |
| ⑨ Wiring Harness | ⑱ Front Disc Brake Caliper | ㉑ Frame | ㉒ Folding Handlebar | ㉓ Frame Folding Mechanism | ㉔ Controller Cover | ㉕ Chain Wheel | ㉖ Controller | ㉗ Crank | ㉘ Pedal | ㉙ Chain | ㉚ Reflector | ㉛ Kickstand | ㉜ Rear Disc Brake Rotor | ㉝ Saddle | ㉞ Rear Light | ㉟ Rear Reflector | ㊱ Battery Tube | ㊲ Battery | ㊳ Lockable Tube Clamp | ㊴ Flywheel | ㊵ Disc Brake Caliper | ㊶ Rear Mudguard | ㊷ Mudguard Support | ㊸ Rear Derailleur | | |

Note: Some details of your bike may be little different from the above picture due to our product upgrading, which will not affect the usage.

LIST OF ACCESSORIES



Pedal×2



Charger×1



Manual×1



Warranty card×1

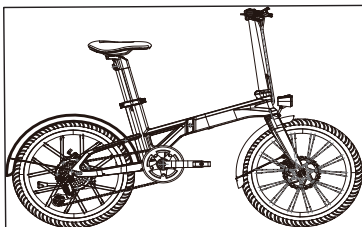


Allen key×1

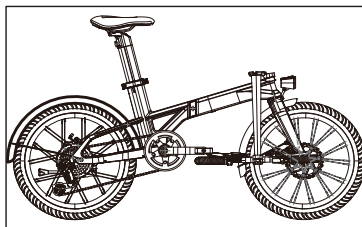


15mm Open wrench×1

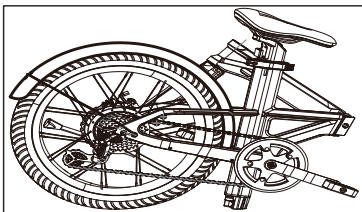
Folding Steps:



1.Insert the key to open the seat tube battery lock.



2.Adjust the handle, loosen the handle of the folding riser, and fold the lower riser.

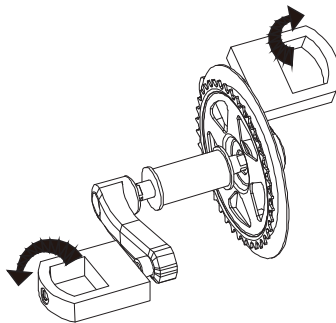


3.Adjust the seat tube height,open the frame folding handle, and fold the frame.

Install Pedals:

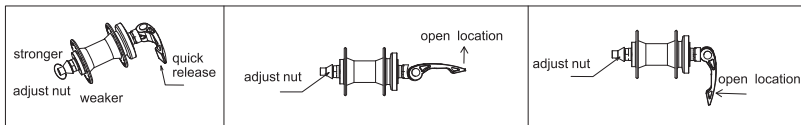
Right Pedal: Rotating Clockwise

Left Pedal: Rotating Anticlockwise



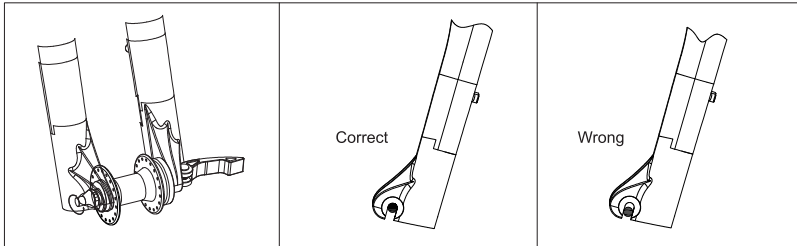
Installing the Front Wheel

I. Basic mechanical principle with the hub and anchor nuts Turn the anchor nuts clockwise to increase clamping, and anti-clockwise to decrease.



II. How to install

1. Manually turn the anchor nuts anti-clockwise to loosen for space, and insert the front wheel all the way into the dropouts of the front fork.



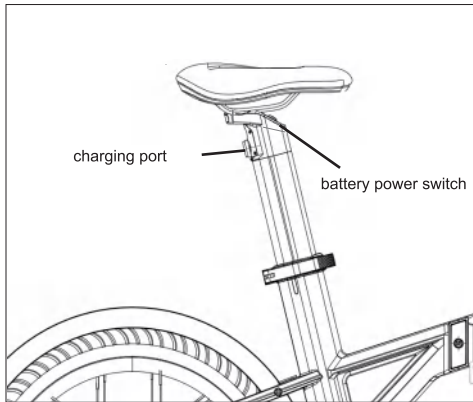
FUNCTION

- 1.Unpacking assembly and debugging: After unpacking, take out the electric bike, assemble the handlebar, lock the handlebar quick release, install the front wheel in the hook groove of the front fork, install the quick release lock, lightly hold the brake lever several times, wait for The brake line is restored to the best state, and it is confirmed that there is no abnormal noise when the front wheel rotates, and that the front and rear brakes are functioning properly. Adjust the seat tube height, lock the quick release handle after adjusting to a suitable height, install the power cord, and install the foot pedal.
- 2.Charging: First connect the DC end of the charger to the charging port of the electric bike, and then connect the AC end of the charger to the household power socket. After the charger is connected, it starts to charge. During charging, the indicator light of the charger shows a red light. The indicator light changes from red to yellow-green, indicating that the battery is fully charged.
- 3.Switch on and off: Turn on the battery power switch, and press and hold the button on the meter for 3 seconds to switch the power of the e-bike on and off.
- 4.Light switch: Press the down button of the instrument once to turn on or off the front and rear lights of the e-bike.
- 5.Power-assist mode: When riding, step on the pedal to assist the electric output, and the maximum speed of the power-assist output is 25km/h.
- 6.Pure electric mode: Press the accelerator dial, and the vehicle can be directly accelerated electrically. Pure electric is divided into 3 gears, corresponding to the speed limit of 15km/h, 20km/h and 25km/h respectively. If you need to adjust the gear, short press the "+ -" button to complete the gear switching, and the meter will display the current corresponding pure electric gear. The pure electric maximum speed is 25km/h. (The pure electric gear is turned on by default to 2 gears)
- 7.Multi-function display: Speed display, gear display, total mileage/s- ingle mileage display (press the down button of the instrument quickly 2 times to switch single/total mileage), speed unit display (press the down button of the instrument 3 times to switch KMH/ MPH) etc.
- 8.Power-off brake and tail light: When the power-off brake lever is squeezed, the controller first cuts off the motor output, and then the disc brake mechanically brakes. When the brake lever is not fully rebounded,neither the dial nor the power assist can give electric acceleration.
- 9.Tail lights: Night running lights/brake lights, night running lights and headlights synchronous switch, tail lights flashing when braking.

10. Battery removal and installation: The seat tube is detachable. To adjust the seat tube battery, you need to open the seat tube handle switch with a key. You can adjust the seat tube battery up and down and remove the seat tube battery. After unplugging the power cord, you can pull out the battery. (If the battery is damaged and needs to be replaced, please contact the official customer service.)

11. Meter setting: Press and hold the "+/-" button at the same time or "-" button to enter the setting, or press the "+" and "-" button to switch the menu, press the downside button to enter/exit the parameter setting, and enter the parameter setting Press the "+" and "-" buttons to switch parameters, and press the power button to exit the setting item. Setting item functions: P0: Voltage setting, P1: Wheel diameter setting, P2: Brightness setting.

12. Button function: The button on the upper side of the meter is the power button, press and hold the switch; press the button on the downside once to switch the light, press twice to switch between single mileage and total mileage, and press three times to switch units; on the left side of the meter "+" button to switch gears.



Gears

Some of KuKirin E-Bike go with gears, which consists of:

- A rear sprocket cluster, called a freewheel or cog set
- A rear derailleur
- One swifter
- One control cable
- One front sprocket called a chaining
- A drive chain



There are many different types of swifter mechanisms, each preferred for specific

Applications because of its ergonomic, performance and price characteristics.

A downshift is a shift to a lower or lower gear, one which is easier to pedal. An upshift is a shift to a higher or faster gear, one which is harder to pedal. For example, you can downshift to a lower gear to make pedaling easier on a hill.

On the other hand, you may upshift to a higher gear when you wish to go faster.

Whether up-shifting or downshifting, the derailleur system requires that the drive

Chain be moving forward and be under at least some tension. A derailleur will

Shift only if you are pedaling forward.

Caution: _____

Never move the swifter while pedaling backward. Also do not pedal backwards after moving the swifter. Either of these actions could jam chain and cause serious damage to the E-Bikes.

Derailleur System

The derailleur system includes the front and rear derailleur, the shift levers, and the derailleur control cables, all of which must function properly for smooth gear shifting to occur.

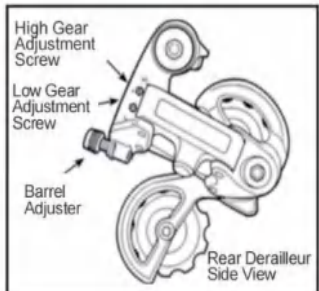
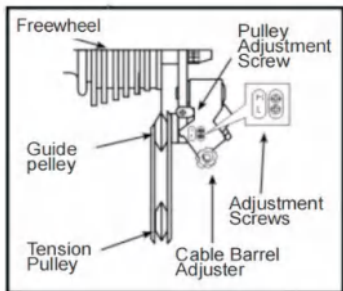
Derailleur

Although the front and rear derailleur are initially adjusted in our factory, you will need to inspect and read just both before riding bicycle.

Rear Derailleur

Begin by shifting the rear swifter to largest number indicated, loosen the cable from the rear derailleur cable anchor bolt, and place the chain on the smallest sprocket.

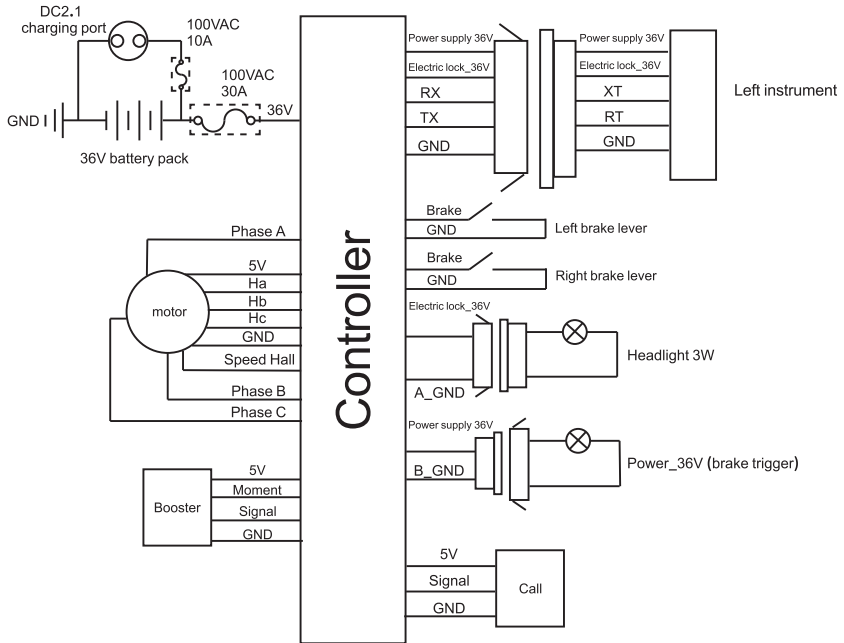
Adjust the high limit screw so that the guide pulley and the smallest sprocket are lined up vertically. Retighten the cable, pull out any slack, and retighten the anchor bolt securely. Shifting through the gears, making sure that each gear is achieved quietly and without hesitation. If necessary, use the barrel adjuster to fine tune the cable tension by turning it the direction you want the chain to go. For example, turning clockwise will loose the cable tension and move the chain away from the wheel, while turning counter-clockwise will tighten cable tension and direct the chain to the wheel.



Product Parameters

	Model	V2
Physical Dimension	Material	Magnesium alloy
	Folding size	1475*240*685mm
	Spread size	1475*542*1090mm
	Package size	Inner size 1230*270*625mm Outer size 1245*280*645mm
	Center distance	972mm
	Foot distance	130mm
	Hub size	20inch
	Color	Black/White
Performance	Weight	18.85kg
	Max load	120kg
	Riding speed	20km/h
	Max speed	25km/h
	Power consumption	1.1kWh
	Mileage (pure electric)	25KM
	Assistant-Mileage	30-40km
	Uphill	15 degree
	Temperature	-10~45°C
Waterproof	IP54	

Circuit Schematic



CAUTION

Battery and Charging:

1. Only charge at 0°~ 45°, discharge at -20°~ 60°, keep the battery dry. Do not put the battery in acidic or alkaline liquids, avoid rain, and keep the battery away from fire, heat and high temperature environments. The negative pole is reversed, and it is strictly forbidden to damage, disassemble or short-circuit the battery.
2. When charging, please use the original special charger, not more than 6 hours, and the charging current should not exceed 2A. When not in use for a long time, please keep the battery in a cool and dry place, and charge the battery for two hours every month.
3. Pay attention to the battery types and applicable voltages that the charger can charge. Mixing is strictly prohibited. When charging, it should be placed in a ventilated environment, and it is strictly forbidden to charge in a closed space or in a hot sun and high temperature environment.
4. When charging, plug in the battery first, and then add the utility power; when the battery is fully charged, cut off the utility power first, and then unplug the battery.
5. When the green light is on, the power supply should be cut off in time, and it is forbidden to connect the charger to the AC power supply with no load for a long time without charging.
6. During the charging process, if the indicator light is abnormal, there is a peculiar smell or the charger shell is overheated, the charging should be stopped immediately, and the charger should be repaired or replaced.
7. Waste batteries are hazardous chemicals, and should not be disassembled without authorization, and will be recycled by relevant professional departments. In the process of use and storage, pay attention to avoid the entry of foreign objects, especially to avoid the inflow of water or other liquids, so as to avoid short circuit inside the charger.
8. Try not to carry the charger with the car. If you really need to carry it, it should be placed in the toolbox after the shock absorption treatment. Do not disassemble or replace the components in the charger by yourself, especially to avoid the inflow of water or other liquids, so as to avoid short circuit inside the charger.
9. The provided lithium battery can be recharged for a minimum of 800 times, with a typical lifespan exceeding 1000 times with regular use. There might be a potential risk of danger when charging the lithium battery indoors. Therefore, it is strongly advised to perform the charging process outdoors.

Riding:

- Read the instruction first to know the product performance first. Don't lend it to someone who is not familiar with it.
- Wear a helmet when riding. Obey the traffic rules and don't ride it in the cars road. Don't riding it in the crowded road.
- Carry people or items in accordance with the requirements of laws and regulations, and do not park in the building foyer, evacuation stairs, aisles and safe entrances and exits.
- Do not charge and park in residential buildings, keep away from combustibles when charging, and the charging time should not be too long.
- Drive on the right on non-motorized vehicle lanes, downhill slopes and paved roads not exceeding 15km/h, and drive on the right when there is no non-motorized vehicle lane.
- When adjusting the handlebars or saddles, be careful not to leak the safety line marks on the handlebars and saddles.
- Please check the tire pressure before riding, the recommended tire pressure is 35-45PSI.
- Before riding, please check the status of the power circuit, lighting circuit, etc.
- Before riding, please check whether the front and rear brakes work normally, check the fastening status of the E-bike handlebars and front and rear wheels, and check whether the reflectors are damaged or polluted.
- When using the motor, be careful not to hit it vigorously, and keep the shaft lubricated.

Don't over load.(Max load is 120kg)

When riding in rain or snow, the braking distance will be extended, so pay attention to slow down.

In severe weather such as heavy rain, try to avoid travel.

Suitable for people 16-45 years old. It is strictly forbidden to ride with one hand and people under the age of 16 to drive E-bike on the road.

Maintenance:

- 1.The E-bike front and back wheel should be at the center of the frame
- 2.Put the E-bike up after riding at cool and dry place.
- 3.It is forbidden to rinse with water, and the surface of the body of the E-bike can be wiped with a semi-dry cloth.
- 4.Check the Motor and Brake often, don't inject the oil onto the brake.
- 5.Check the E-bike and screws and places that need fixing, fix it often.
- 6.Suggested torsion: Bar screws 60-80 kgf.cm, bar stand screws 175-200kgf.cm, wheel screws 320-450kgf.cm.
- 7.Regularly check the chain tension, which can be adjusted by the chain adjuster.
- 8.Please check the tire frequently for scratches, cracks or excessive wear. The inner tube and valve should be perpendicular to the wheel hub and not crooked. Accidentally punctured damaged or excessively worn inner and outer tires should be replaced immediately, please seek professional technicians to repair or replace your tires.
- 9.Bad or excessively worn inner and outer tires should be replaced immediately, please seek professional technicians to repair or replace your tires.
- 10.It is forbidden to modify key structural parts such as frame, front fork, standpipe and electrical function accessories.
- 11.Three-guarantee service, any loss or damage caused by modification is at your own risk.

Responsibility Announcement:

- All the product model, type and related information copy right and explain right are reserved.
- This instruction is suitable for denoted models.
- Any changing or replace part of the E-bike will not be informed again.
- No copy, modification, propaganda or publication before getting the permission form KuKirin.
- Read the instructions and follow the instructions or the user will be responsible for the damage.
- KuKirin won't be responsible for injuries,casualties and possession damages.

For more information please visit :www.kukirin.net

- Users should strictly adhere to traffic laws and regulations while cycling. If there are special local laws and regulations, users should comply with them accordingly.

