

## ELECTRIC BICYCLE KIT INSTALLATION



**NOTE:** Please refer to the instruction to assemble your bike.

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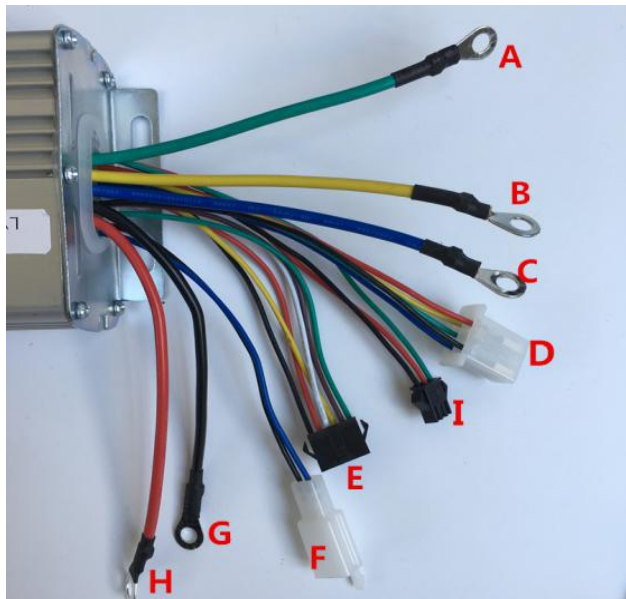
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## Packing list



- 1. motor wheel
- 2 . controller bag
- terminal box and extension line
- 3.1:1 Pedal Assistance system
- 4. twist throttle
- 5. Brake levers
- 6. controller



**CONTROLLER:**

**A.B.C.D:** motor wheel

**E:** twist throttle

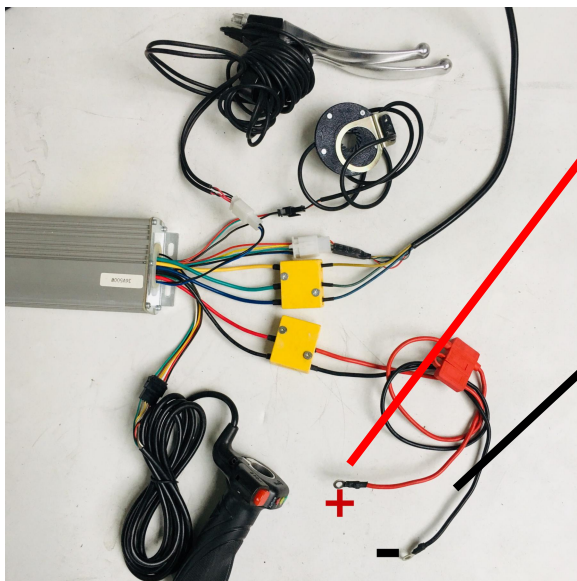
**F:** brake levers

**G:** negative terminal of battery (black)

**H:** positive terminal of battery (red)

**I:** 1:1 Pedal Assistance system

Please kindly note the color of the wires when connecting and same colors should be matched together

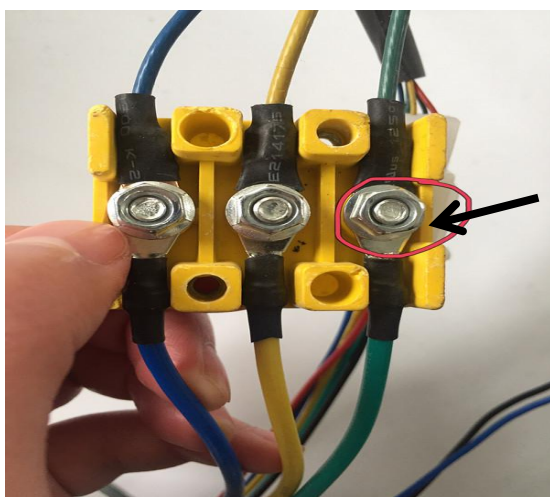


positive terminal of battery (+)

negative terminal of battery (-)

### controller parameters:

Voltage(V)	Power(W)	Maximum current	low voltage protection
DC 48V	1000W	30A	DC42 $\pm$ 0.5V
DC 36V	500W	24A	DC31 $\pm$ 0.5V
DC 36V	250W	18A	DC31 $\pm$ 0.5V
DC 36V	800W	26A	DC31 $\pm$ 0.5V



For the sake of security,  
Screws must be tightened by a  
small wrench。  
It is very important。

Ensure that you have connected the wires correctly before turning on the power. If you are unsure, use a voltmeter to check if the poles are connected correctly. It is important to connect them correctly, as a short circuit may occur. Wire up all the connections according to the fixture of page of Controller. Different kinds of batteries can be applied to this E-bike only if the voltage of the battery is consistent with the voltage of controller and motor, such as lead-acid battery and lithium battery. **NOTE: there is no battery in the package, so the customer needs to buy it by himself.**

Disclaimer: we will not be responsible for any damage caused to the controller if a short circuit occur



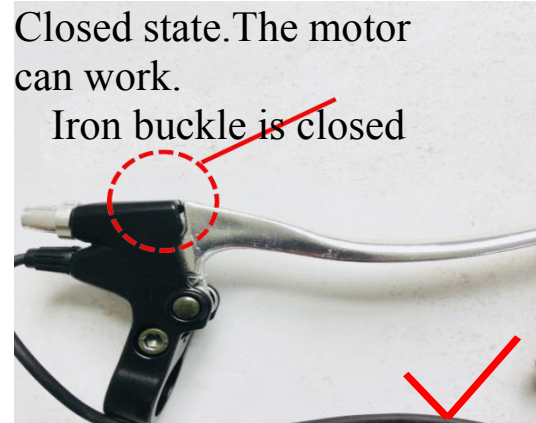
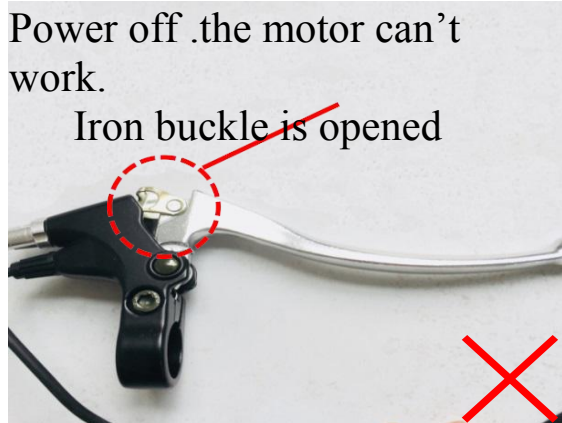
## 1:1 Pedal Assistance System



**1.** Removing the pedal crank arm and gasket of the left side or right side. **2.** Place the receiver ring of the Pedal Assistance System into the axle. **3.** Ensure that the distance between receiver ring and the iron disk is 1 - 2 mm and the direction of arrows on the receiver ring is the same as the spinning direction of the pedal crank. The direction of the arrow must be facing forward, whether it is left or right. **4.** Install the crank arm and its gasket back on the axle.

## Brake Lever

The brake lever is only intended for cutting off motor power supply. You need to connect your brake lines to the brake lever to get a better braking effect. Ensure the iron buckle is closed.

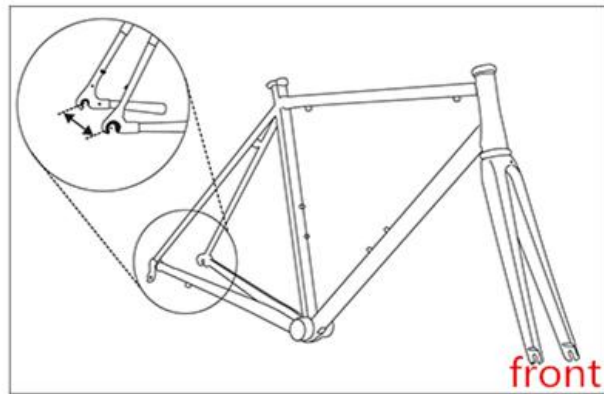
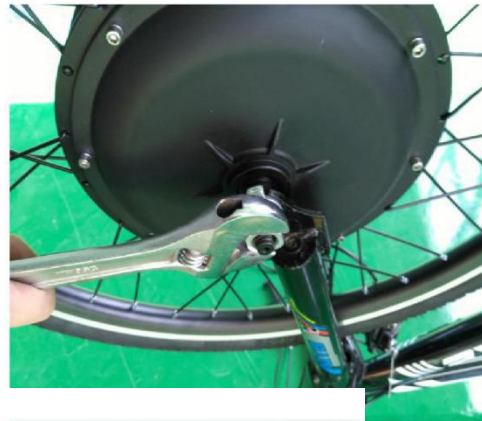


## Wheel Installation



Installation of the tube motor is the same as that of the hub motor. Please remove the front wheel or rear wheel on your bicycle with a wrench in advance.

1. Confirm the spinning direction of the wheel and install the wheel into your bike frame. Push down the wheel to make sure that the wheel axle is locked tightly into the frame.
2. Tighten the bolts and make sure it is very tight. This is for safety reasons and this is a very crucial step to build a good Electric Bike. The torque of the motor is very powerful, which is why you must make sure the bolts are tight enough to handle it.
3. Install the plastic back to the wheel axle.



Because the bicycle fork is flexible, it can be opened or tightened under special conditions. Most models bike have a front wheel size of 100-105 mm and a rear wheel of 135-142 mm.



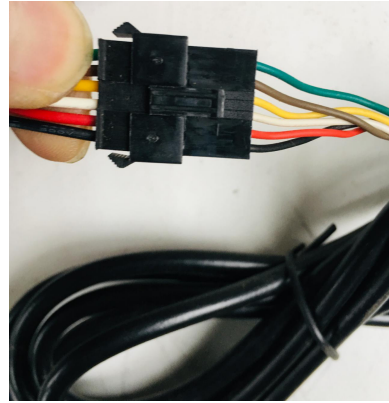
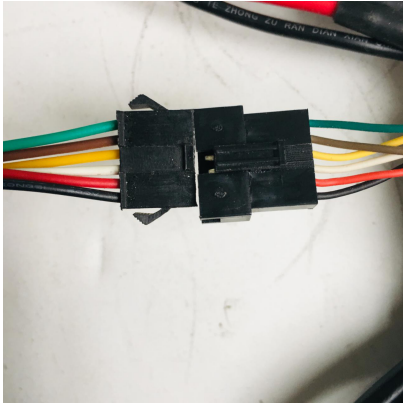
## Twist Throttle and Brake

Remove the original handlebar grips and brake lever on your bicycle before you carry out the installation for the throttle.



1. Slide the brake lever to the handle of your bicycle. 2. Secure the brake lever with an allen key. 3. Slide the throttle to the handle of your bicycle and secure it with an allen key. The throttle is installed on the right side of the bike, using 3 mm Allen wrench tightened.

4. Connect the bike brake line to the new brake lever's iron buckle. After that, make sure the iron buckle is closed.



**NOTE:** Make sure that the throttle joint is plugged in tightly.

### Wire Binding

Bind the wires with Zip Ties in a way such that it does not restrict the movement of the steering bar. Find ways to lock all the wires onto your bicycle frame such that they are not very visible. Also secure the brake threads to your front and back brakes accordingly.



NOTE:

When you complete the installation, please check the following points:

- ✓ The wheel is securely in right position.
- ✓ Rear wheel is exactly aligned with front wheel.
- ? ✓ All components are tightened up.
- ✓ The throttle and brake are sensitive enough to use.
- ✓ The handle bar can be rotated freely.
- ✓ Mechanical brake works normally.
- ✓ Two poles of the battery are connected correctly. (Very important)
- ✓ Please check each connecting port is fastened before you turn on the battery.