

B4-0076

Finishing the bike

Checklist: (Turn off the battery)

- 1) Wheel is secured in place.
- 2) Back wheel is vertically aligned with front wheel.
- 3) Wheel has no loose parts.
- 4) All components on the handle bar have been secured tightly.
- 5) You are comfortable with the throttle, brakes, etc.
- 6) The handle bar is able to rotate freely.
- 7) The mechanical brakes work properly.
- 8) The battery cannot slide off without unlocking it.
- 9) Check that the battery poles are connected correctly.

The simplest e-bike conversion kit



Contents

Getting started.....Page 2,3

Tool List.....Page 4

Preparing and installing the Back WheelPage 5,6

Preparing and installing the Front Wheel.....Page7,8

Installing the Handle bar Components.....Page9,10

Installing LED or LCD meterPage11,12

PAS Installation.....Page13

Connection of Controller.....Page14,15

Wire buildingPage16

Installing tube lithium battery.....Page17,18

Getting started:

First, open up the box and lay out the contents inside.
Check that you have:

- 1) A motorized big motor wheel or 2) A mini motor wheel



3) A controller set



4) A pair of power brake



5) Twist throttle or Thumb Throttle



6) PAS system



Optional items:

- 1) Lithium battery
(Example: water-bottle li-ion battery)
- 2) controller's bag



3) LED meter



4) Multifunction LCD meter



Different types' lithium batteries



battery without house

waterbottle

lift

rack

Basic Tools:

- List:
- P) At least 6 Zip Ties
(For holding wires firmly to your bicycle frame)
 - Q) 3 Allen Wrench with diameters 2.5mm, 3.0mm, 5.0mm
 - R) Adjustable wrench
 - S) Philip Screwdriver



Preparing and installing the Back Wheel (Includes Gear and Disc Brake)

1) Installing the gear on the back wheel



2) Installing the Disc Brake Install your Disc Brake onto the Wheel.



Note: Please confirm your Disc Brake diameter. (140mm or 160mm) In most cases, 140mm Disc Brake are for the back wheel while 160mm are for the front wheel.

3) Installing the Tires

First confirm the direction of the thread pattern of your tires.



Turn the wheel around and fit the inner tubing's gas valve into the opening of the wheel's rim.



Stuff the rest of the inner tubing in between the rim and the outer tubing and you're done assembling the wheel!

Important Note: Please choose an inner tube with a longer valve as CNEBIKES rims are double walled. The rims are double walled to be able to withstand the powerful torque from the motor.

4) Install the wheel into the bike's axle:

Place the wheel axles into the mount in your bike frame. Push down on the bike frame to make sure that the wheel axle is locked tightly into the frame. Tighten the bolts; 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.



Preparing and installing the Front Wheel

Please make sure the wire of motor is on the right side of bike when you riding. And please see the below picture before you installing.



1) Take down your front wheel and note the two sides screws and nuts



Install brake levers

Slot your hand brakes into both sides of the steering bar. Place your hand on the bar and find the position you feel most comfortable with pressing the brake and then use 5.0mm Allen Wrench and secure it into place.



Installing the Thumb Throttle/twist throttle



A- Thumb throttle

Slot the thumb throttle into either side of the steering bar that you feel comfortable with.



Place your hand on the bar and find the position where your thumb feels most comfortable pressing down on the throttle.

B- Twist throttle

Slot the Twist throttle into the right side of the bar and get a feel of twisting the throttle.



When you feel comfortable with the position, use the 3.0mm Allen Wrench and secure it into place.

Installing LED Meter

Slot the LED display into either side of the steering bar that you feel comfortable with.



Installing Multifunction LCD meter

Slot the LCD display screen into either side of the steering bar that you feel comfortable with.



PAS Installation

PAS (Pedal Assistance System), also known as pedal system, is a compulsory component of an electric vehicle in European countries. The system controls the amount of electricity supplied to the motor proportional to the angular velocity of the pedal. (i.e. the faster you pedal, the faster the motor turns.)

Installation Method for Vehicle Speed Sensor

When the LCD instrument matches the high-speed motor without signal for speed output (with built-in clutch), it requires an external vehicle speed sensor. The installation method of the external vehicle speed sensor refers to the below picture.



After removing the the pedal crank arm.

Place the receiver ring into the axle and secure it in position using washers or superglue.



Place the outer magnetic ring next to the inner ring. Make sure they do not have any contact in between using washers.



Screw back the pedal into place, connect the PAS wire with the controller and you are ready to ride legally in Europe.

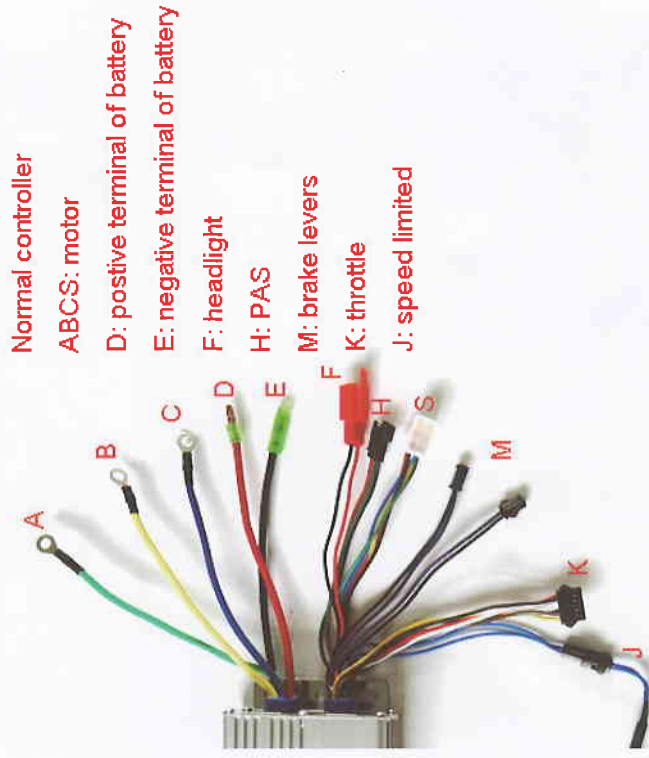


Connections

There are three intelligent controllers for our normal(A), LED (B)and LCD(C) kits. So please connect your kits with different controller according to below connection graph.

Note: please check which controller do you use before testing.

A: Normal controller:



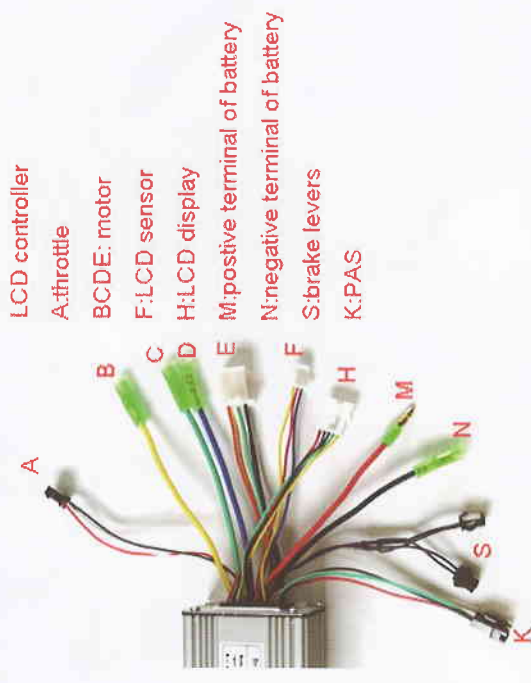
C: The controller of LED:

LED meter: note the "S", there are two wires for connecting LED meter.



B: The controller of LCD:

LCD meter: it has two parts, one is the LCD display, the other is LCD sensor.



Wire binding

Bind the wires using 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: As a suggestion, after you build your wires, rotate your bike handles to see if the movement is smooth.



Water-bottle/tube battery installing

Screw Off the screw of water-bottle.



Install the case of the tube battery.



Put the battery into the case. And connect the battery's contactor with the controller.



Put the controller into the Cushion bag

controller's bag installing Parts: one bag with two kits, one tool, two screws and nuts.

