

E-bike Kits Installation Manual

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1.Getting started

1.Please open the carton,take out the components



Components' list:

- | | |
|---|--|
| ☐ 250w-350w hub motor with rim | ☐ 500w-1000w hub motor with rim |
| ☐ Controller | ☐ Brake lever |
| ☐ Bottle Li-ion battery | ☐ Rear racket Li-ion battery |
| ☐ LCD display | ☐ LED display |
| ☐ Thumb throttle | ☐ Twist throttle |
| ☐ Waterproof wire | ☐ PAS(Pedal assist sensor) |

	250w-350w hub motor with rim		500w-1000w hub motor with rim
	Controller		Brake lever
	Bottle Li-ion battery		Rear racket Li-ion battery
	LCD display		LED display

	Thumb throttle		Twist throttle
	Waterproof wire		PAS

2.Prepare the E-bike kit tools.



Tool No.1.Adjustable wrench

No. 2.Bike axis sleeve

No. 3.Cassette flywheel sleeve

No.4.Bike crank bearing puller

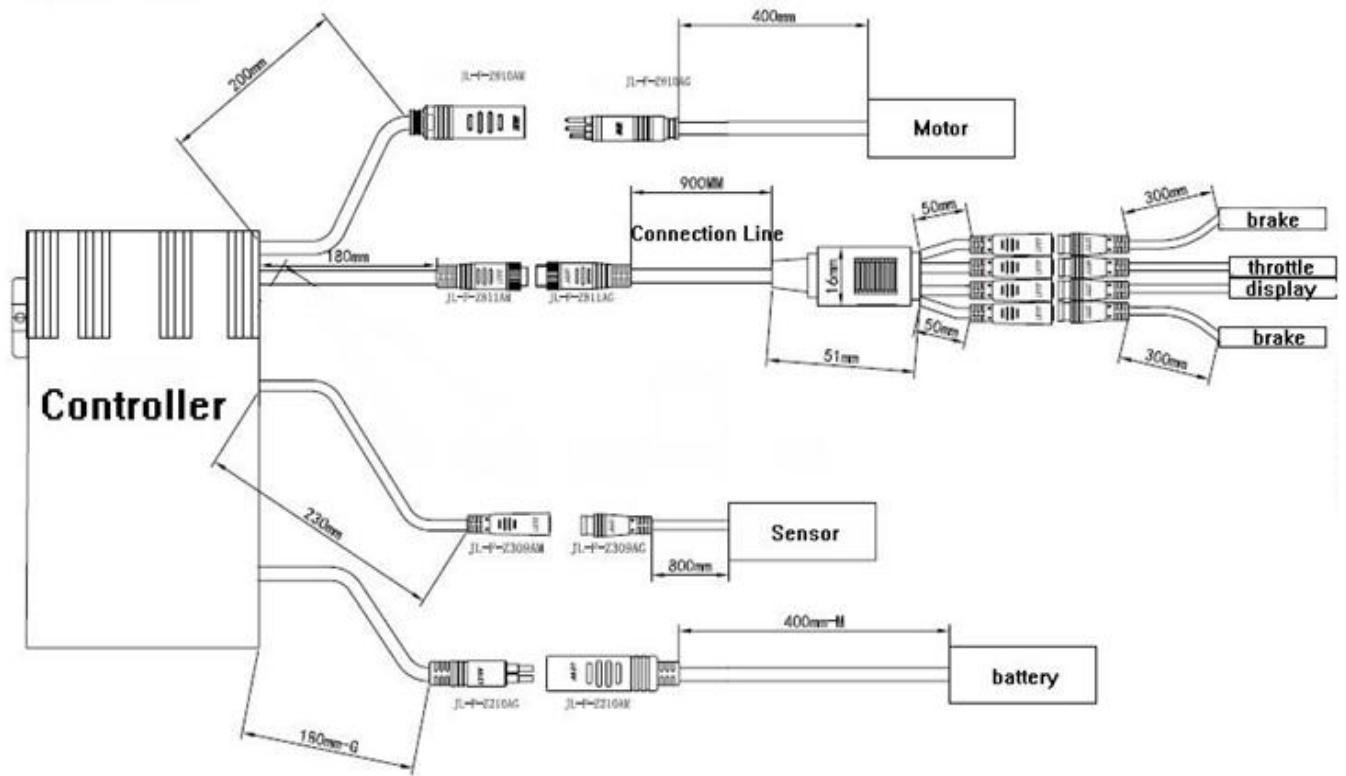
No.5.sleeve head

No.6.Flexible socket spanner

No.7.Cross screwdriver

3. Please test the whole e-bike kit system.

Connect the e-bike kit components according to the following drawing.



After the components are connected like the above picture, then test the throttle, brake lever and PAS respectively.

1. Test the throttle.



Open the battery by pressing the power button on the battery and open the display by pressing the power button on the display. After that, use the throttle. If motor runs, then the throttle is OK.

2. Test the brake levers.



Make the motor keep running by using the throttle, then use the brake lever. If the motor stops, the brake lever is OK.

3.Test the PAS.



Put the throttle and brake lever aside, and pick up the PAS(a plastic disk and a metal circle).Using your left hand to hold the metal circle and your right hand to hold the plastic disk.The little black box on the

mental circle should face the opposite side of the pins of the plastic disc. Then your right hand imitates the pedal moving(There are also running direction on the disk),if the motor runs, the PAS is OK.

2.Install the front wheel and rear wheel

Take out the front wheel and the nuts.



No.1 is shim. No.2 is washer. No.3 nut.

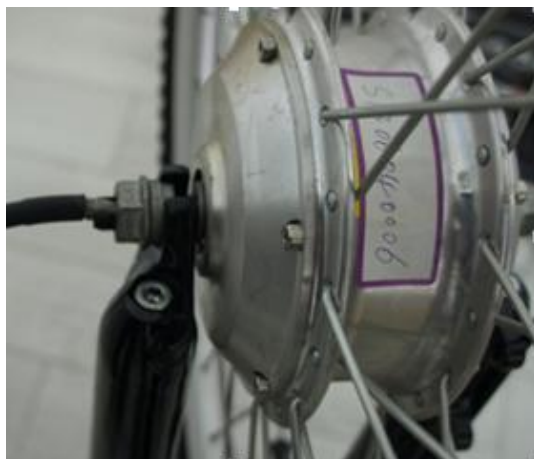
No.4 is rubber cover.

1. Front wheel installation.

1).Place the shim,washer(with one part raised),and nut one by one on both axles of the motor.



2).Put the front wheel on the front fork.Place the shim and washer between the motor and the fork,then use the wrench to tighten the nut.



2.Rear wheel installation

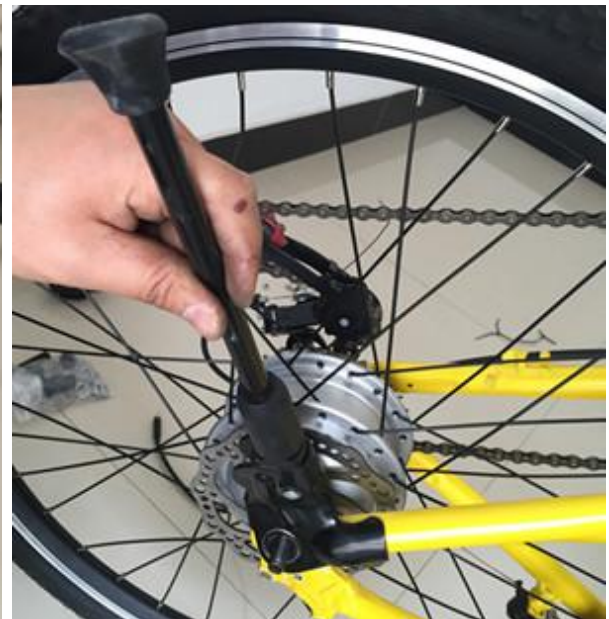
1).Take out the rim,inner tire and outer tire.Install the tire on the rim



2).Place the shim, washer(with one part raised),nut and rubber cover one by one on both axles of the motor.



3).Put the rear wheel on the rear fork.Place the shim and washer between the motor and the fork,then use the wrench to tighten the nut. Then install the



3.Install throttle and display.

1.Take thumb throttle for example,place the thumb throttle on the right side of the handle bar,twist it to find a comfortable position,then use the socket head wrench to fasten it.(Twist throttle can be installed on the same way.)



2.Take LCD display for example,place the LCD display on the left side of the handle bar, twist it to find a proper position,then use cross screwdriver to fasten it.(LED display can be installed in the same way.)



4. Install brake lever

1. Screw brake levers on the both sides of the handle bar, hold it to find a comfortable position then use the socket head wrench to fix it.



2. Pull out the brake line of the bike, and connect the line with the brake lever.



3. Push the plastic handle bar into the mental handle bar.



Notes: The brake lever can cut off the power supply meanwhile activate the mechanical brake.

5 .Install the PAS

There are two ways to install PAS.

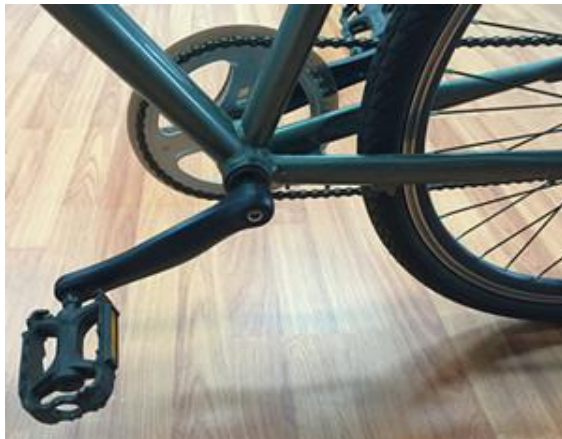
Option 1.install it on the chain wheel side.

Option 2.install it on the pedal side.

Start from option 1. Install the PAS on the chain wheel side.

First, we need to remove the pedal.

1)Using the sleeve head and socket spanner to take off the screw of the pedal.



2) After that, screw the bike crank bearing puller into the screw hole of the pedal. Then the pedal can be taken down by using the adjustable wrench to tighten the puller.

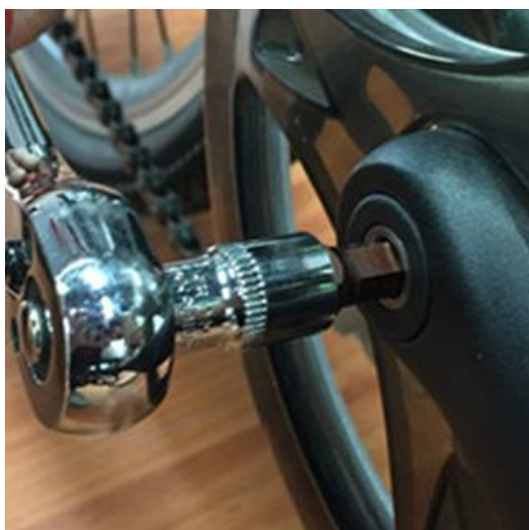


3) Insert the axis sleeve into the bike axis, then take down the axis by using the adjustable wrench to tighten the sleeve.



Second, we need to remove the chain wheel.

Please follow the same steps as remove the pedal.



1) Using the sleeve head and socket spanner to take off the screw of the chain wheel.



2) After that, screw the bike crank bearing puller into the screw hole of the chain wheel. Then the chain wheel can be taken down by using the adjustable wrench to tighten the puller.



3) Insert the axis sleeve into the bike axis, then take down the axis by using the adjustable wrench to tighten the sleeve.

Third, install the PAS.

1) put the mental circle into the axis, then put the axis to its original place. Using the axis sleeve and wrench to fasten the axis.

(Pay attention: the little black box on the mental circle should face outside.)



2) Put the plastic disc on the same axis, **the magnetic pins on the disc should face the little black box on the circle.** And the distance between the two is about 4mm.



Fourth, install the chain wheel and pedal.

1)put the chain wheel to its original place, and use sleeve head and socket spanner to fasten it.



2)Using axis sleeve to screw the axis up,then install the pedal.



Option 2.install PAS on the pedal side.

First, we need to remove the pedal.

1)Using the sleeve head and socket spanner to take off the screw of the pedal.



2) After that, screw the bike crank bearing puller into the screw hole of the pedal. Then the pedal can be taken down by using the adjustable wrench to tighten the puller.

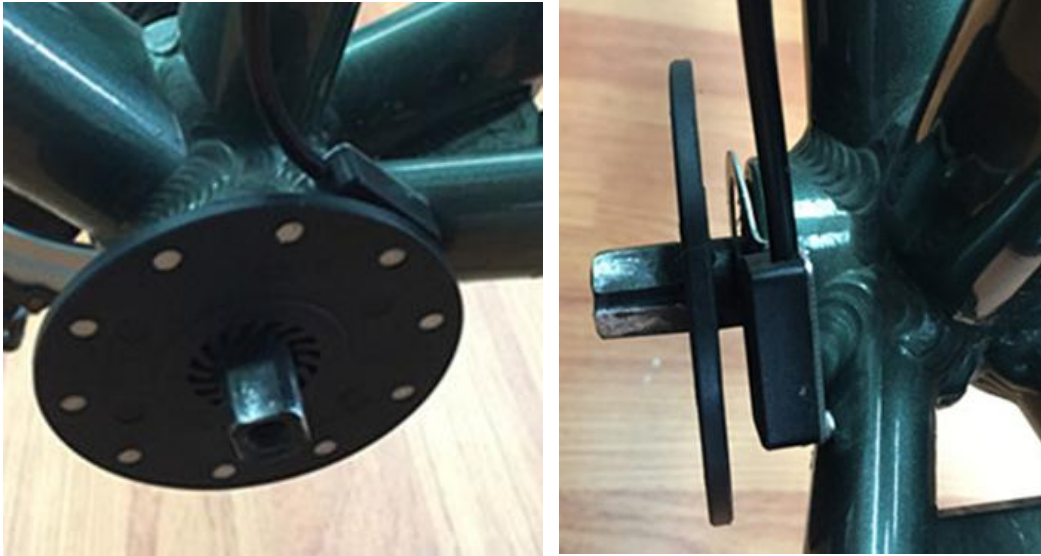


3) remove the axis, and paste it on the axle. (Pay attention that: The little black box on the metal circle should face outside.)

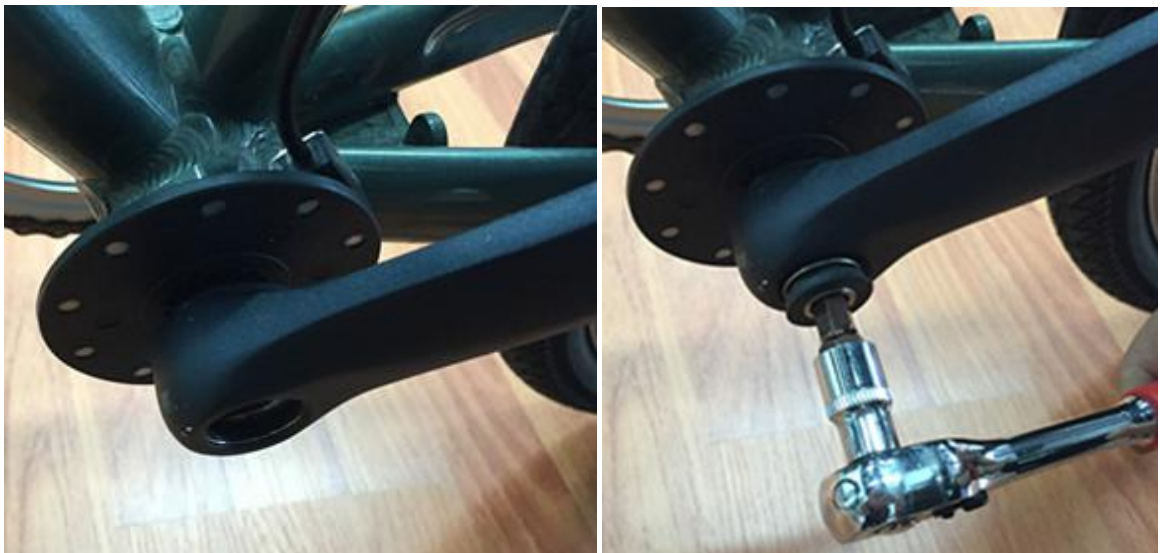


4) After that, place the plastic disk on the axle, and the distance between the metal circle and plastic disk is about 4mm. (Pay attention that the magnetic

pins on the disc should face outside.)



5) Put the pedal to its original place and use sleeve head and socket spanner to screw the pedal.



6. Install the bottle battery and rear racket battery

1. Let's begin with installing bottle battery.

Put the bottle battery frame on the tripod bar of the bike. Then use sleeve head and socket spanner to tighten the battery frame.



2. Install the rear racket battery.

Item No.1 is plug piece.

Item No.2 is connecting rod.



1) install the plug pieces on the rear racket.



2).Install the connecting rods
on the rear racket.



3).Using cross screwdriver to fasten the rear
racket.



4) insert the battery into the rear racket.

7. Install the thread freewheel and cassette freewheel

1.Install the thread freewheel.

1)Item 1 is the motor with thread. Item 2 is not thread freewheel.



2) Screw the thread freewheel into the motor. Then use the thread sleeve to fasten the thread freewheel.



2.Install the cassette freewheel.

Put the cassette freewheel on the motor, then use cassette freewheel

sleeve to fasten the freewheel.

