

# SIDE MOUNTED ELECTRIC BIKE CONVERSION KIT

MY(GX) 1016Z3 motor

## User Manual

Thank you for buying our goods!

Please read thoroughly before you start converting your bike into electric.

-Never hit, drop the motor, or drop it into water.

All you need are: a bike with one gear only, electric bike conversion kit, a  
24V/36V battery

### The kit include:

1x24V/36V 350w motor	1x Mounting plate +bolts
2x Brake lever	1x Controller
	1x Chain
1x Throttle	1x 3 in 1 Headlight
1x Freewheel adapter	1x Freewheel 16T
1x 18mm axis	1x Left hand bar

## Things you should beware of:

1. Before you install the kit, you should check whether the kit has been damaged during transport.
2. The motor should be mounted securely and you should examine the motor regularly to prevent the chain worn out.
3. The two freewheels should be mounted on same plane. Otherwise, there will be noise and the chain may wear out easily.
4. Add some lubricating oil regularly to extend the lifespan of the motor and reduce noise of the motor.
5. To ensure the motor is tuned suitably. You should check the idle current (2.5-2.8).
6. Avoid overloading the motor. Otherwise the motor may burnt out. (Such man-made damage will not count into warranty provide.)

# Installation guide

## - Preparation

1. Check if the kit is damaged.
2. Check if the existing brake can handle the new power.
3. Prepare basic installing tools.

## - Step 1: Install the new freewheel

1. Take off the rear wheel, examine the axis to see whether the original bike axis should move towards the gear side for 0.5cm or replace the longer axis we provided.
2. Screw the freewheel adapter we provided into the original bike freewheel, and then screw the 16T freewheel we provided into the part into the freewheel adapter. (Beware that the two freewheel should be screwed in the same direction.)(There is a metal ring included in the adapter. Normally, you won't need it.)
3. Reinstall the two chains, connect the Inner one to the crank and the outer one to the motor, reinstall the rear wheel.
4. The new freewheel should have about 2mm gap away from the bike frame.

### **Below is the photo description.**

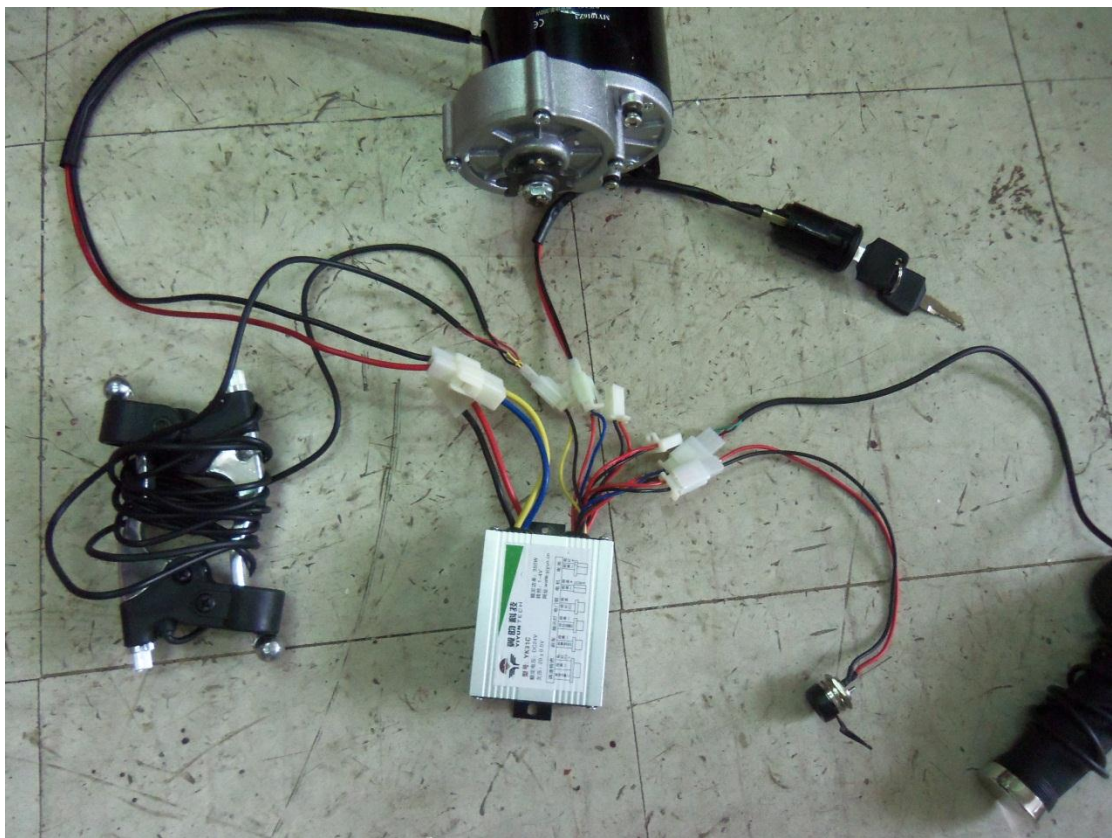
1. Original bike axis and the original freewheel
2. Screw on the freewheel adapter.
3. Screw on the 16T freewheel we provided.



## - Step 2. Intall the motor

1. Take out the motor and mounting plate we provided, put them on the bike frame.(Do not secure them now , easier for later adjustment)
2. After put back the chain, push the whole motor and mounting plate towards the right hand side until the chain is tightened, secure the whole part.
3. Adjust the motor carefully to ensure the motor and freewheel lie on same plane.

## - Step 3. Connecting electric wire



**Throttle** ----Thin blue, red, black

**Brake lever**----Thin black, yellow

**Lock**----Thin blue, red

**Motor**----thick red, blue

**Batteries**----Thick red, black

## - Step 4. Charging

1. The batteries should be linked together to charge if they are 12v.
2. The charger is 24v12ah
3. Link the charger with the batteries first, then plug it to the socket.
4. When red light is on, the batteries are charging.

5. When green light is on, the batteries have been charged.
6. If two light on together, it means that the batteries have been charged basically, you can also use the batteries now.
7. If the red light always on, you should take the batteries to check whether they have damages.

**- Step 5. Share your electric bike**

After you have finished the e-bike conversion, you can share your experience and photos in our website: You can also see other e-bike converted by other buyers.

**Below is the motor specification.**

<b>Motor Specification</b>	<b>MY1016Z3</b>	
Rated power	350W	350W
Rated Voltage	24V DC	36V DC
Rated rpm	3000RPM	3200RPM
No-load rpm	3850RPM	3850RPM
Rated current	≤18.70A	≤12.50A
No-load current	≤2.20A	≤2.0A
Rated toque	1.11 Nm	1.11 Nm
efficiency	≥78%	≥78%
Reducing ratio	1:9.87	