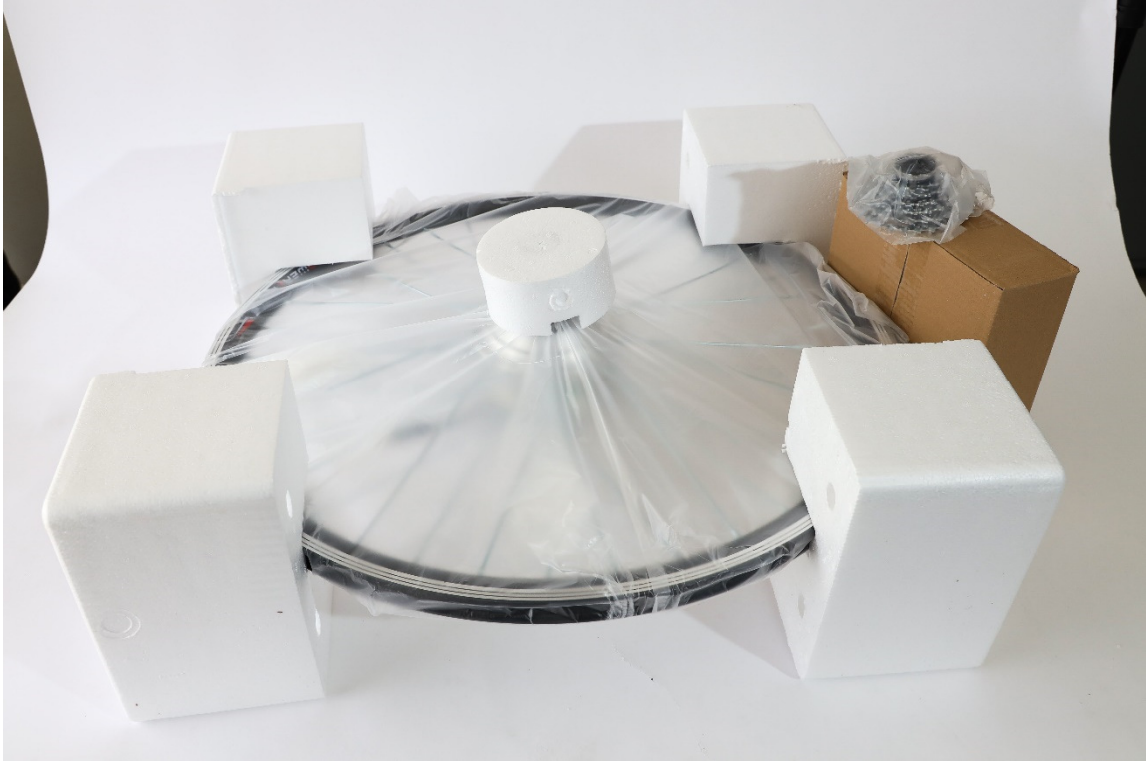

48v1KW Motor Kit



Installation Guide

Calibike.Com

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48V 1KW Motor Kit

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48V 1KW Motor Kit

1. INTRODUCTION

48V 1KW Motor Kit is a 1000w watt geared motor ebike kit. It is the lightest 1000w ebike motor kit.

1. Ultra light hub motor 3Kg motor
2. Geared for great torque
3. High RPM 370 rpm @36V, 450 rpm at 48v
4. Quality Alex 700C or 26" wheel
5. High Quality spokes
6. 1000 watt/1500 watt peak motor controller.
7. LCD with speed and power settings
8. Thumb throttle
9. Color coded cables
10. Waterproof connectors.
11. Shimano hyperglide cassette 7/8 speed

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2. 48V1KW MOTOR KIT SETUP

2.1 Parts List



48V 1KW Motor Kit

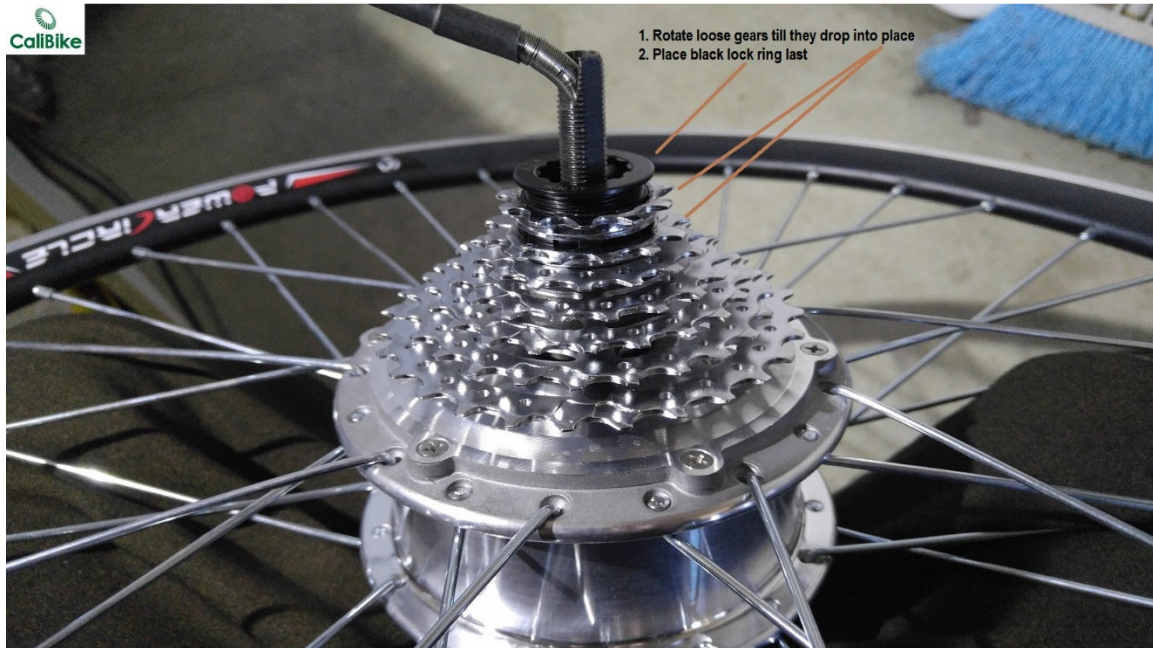


1. 48v1kw Motor wheel kit
2. Motor controller.
3. Motor extension cable
4. LCD Throttle breakout cable
5. Wiring conceal wrapping
6. Thumb throttle
7. Cassette gears
8. Handlebar grip (optional)
9. PAS magnet ring (optional)
10. PAS sensor (optional)
11. Disk brake calipers (optional)
12. Disk brake rotors (optional)
13. LCD
14. Ebike motor torque arms

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2.2 Mounting Cassette gears on Motor

Take the gear cassette and slide on motor wheel. Place the small lock washer at end. Twist it to lock gears in place. May need local bike shop to tighten lock washer.



2.3 Motor Wheel centering.

1. The motor wheel requires 135 to 139 mm clearance on rear frame. On some Bikes the motor may not be centered. Use spacers/washers to shift the wheel center.



Torque Limit
Washer



Spacer washer



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2. Another technique is putting the torque lock washer on the inside on side of the wheel and on the outside on the other side of the wheel.



2.4 Motor wheel mount

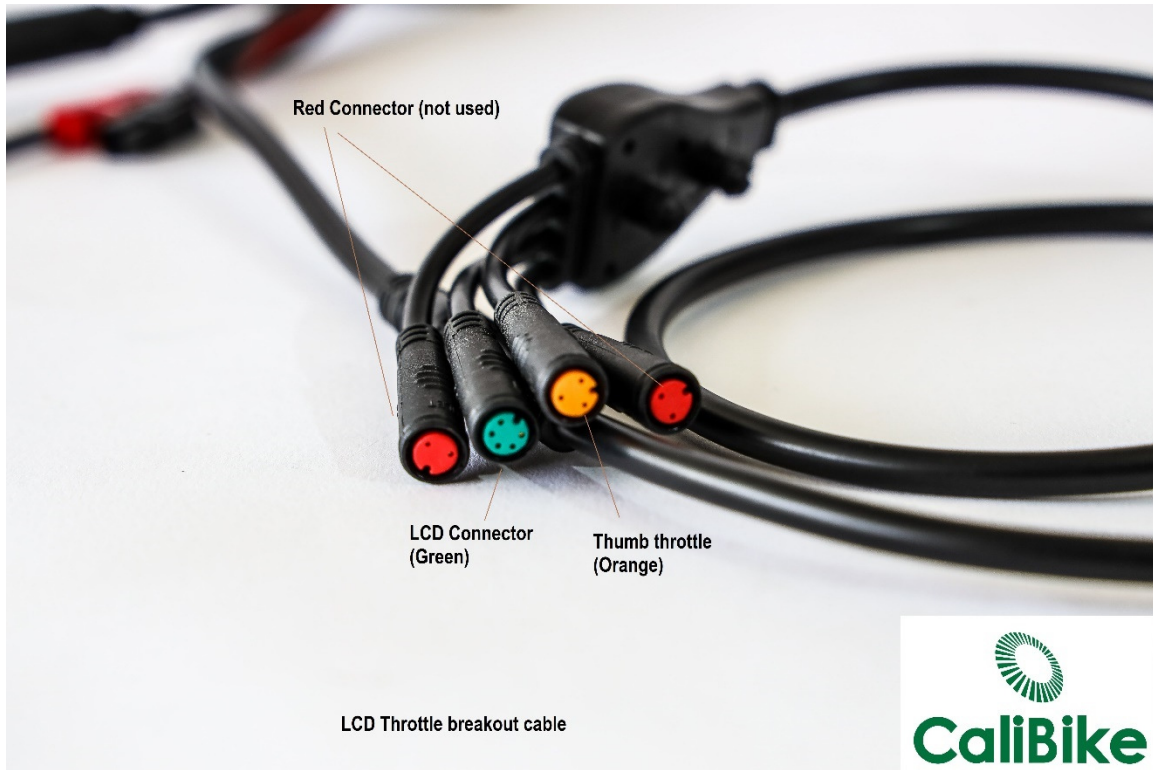
Take the old wheel out of the donor bike and place the calibike wheel in its place

<https://youtu.be/8e5zHMknnrU>

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2.5 Motor wiring hookup

The wiring connectors are color coded and have matching oriented connectors.



The Green goes to green (LCD). Orange to orange (Throttle) etc. The 2 red connectors are not used.

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1. Plug LCD Throttle breakout cable into controller.
2. Plug LCD into LCD Throttle breakout cable.
3. Plug Thumb throttle LCD Throttle breakout cable.
4. Plug motor extension cable into controller.
5. Plug motor extension cable into motor.
6. Plug the battery ground into the controller ground (black Anderson connector)
7. Plug the battery power into the controller power (Red Anderson connector)
8. Plug PAS (optional not needed).

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2.6 Display LCD and throttle Install.

The wiring connectors are color coded and have matching oriented connectors. Install the LCD. Should be center on handlebar but on either side is ok.



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Install the 3 button switch next to LCD.



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Install the thumb throttle close to where you place your hands on the handlebar.



2.7 Turning Bike on.

Turn the battery on. Press the center switch of the 3 buttons for 2 to 5 seconds. The LCD should turn on. Press the throttle gently and motor should spin.

2.8 Support.

Send an email to support at urgent@calibike.com. Describe your kit, your battery and your issue. Please include your contact info including phone number.

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3. WARRANTY

The 48v 1kw motor kit comes with a 90 day plain English warranty. Warranty covers all parts and labor but excludes shipping. For warranty issues please email urgent@calibike.com.