
72V5KW Motor Kit



Installation Guide

Calibike.Com

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72V5KW Motor Kit

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1. INTRODUCTION

72V5KW Motor Kit is a 3000w watt direct drive motor ebike kit. It is one of the fastest ebike motor kit.

1. Ultra fast hub motor
2. Great torque
3. Quality Alex 700C or 26" wheel
4. High Quality spokes
5. 4.2K Watt/ 5k Watt peak motor controller.
6. LCD with speed and power settings
7. Thumb throttle
8. Shimano freewheel 7/8 speed

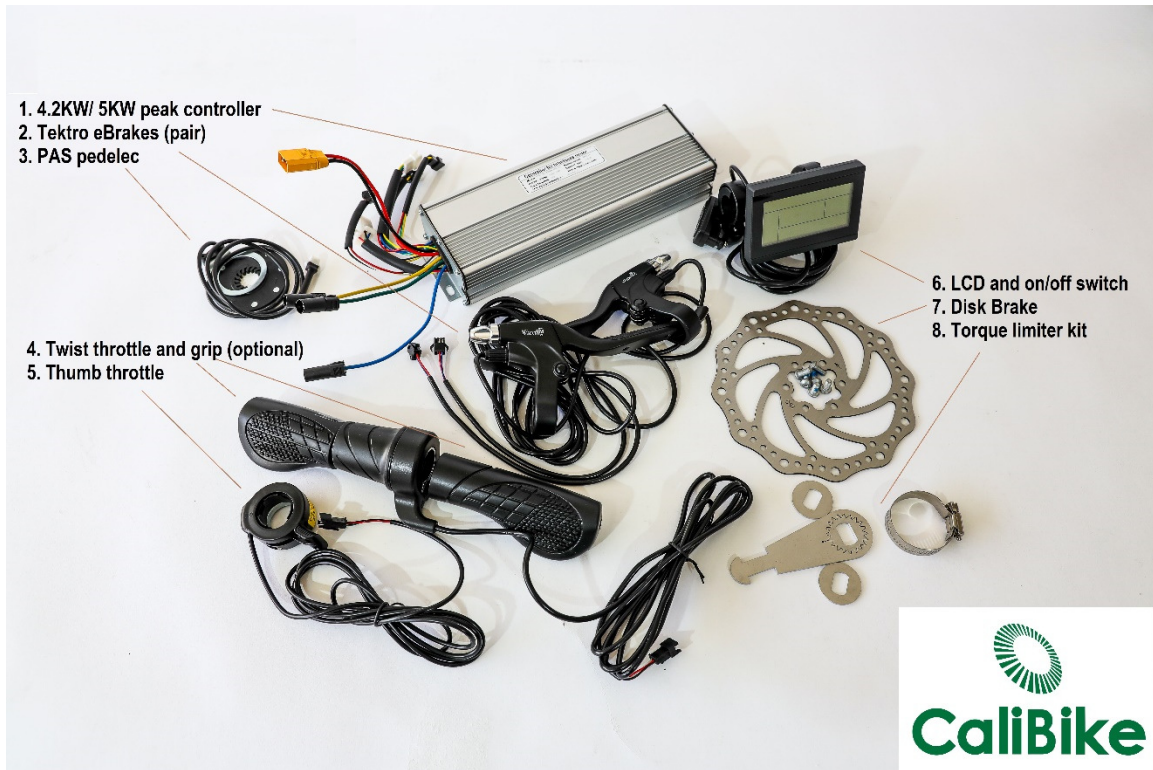
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2. 72V5KW MOTOR KIT SETUP

2.1 Parts List



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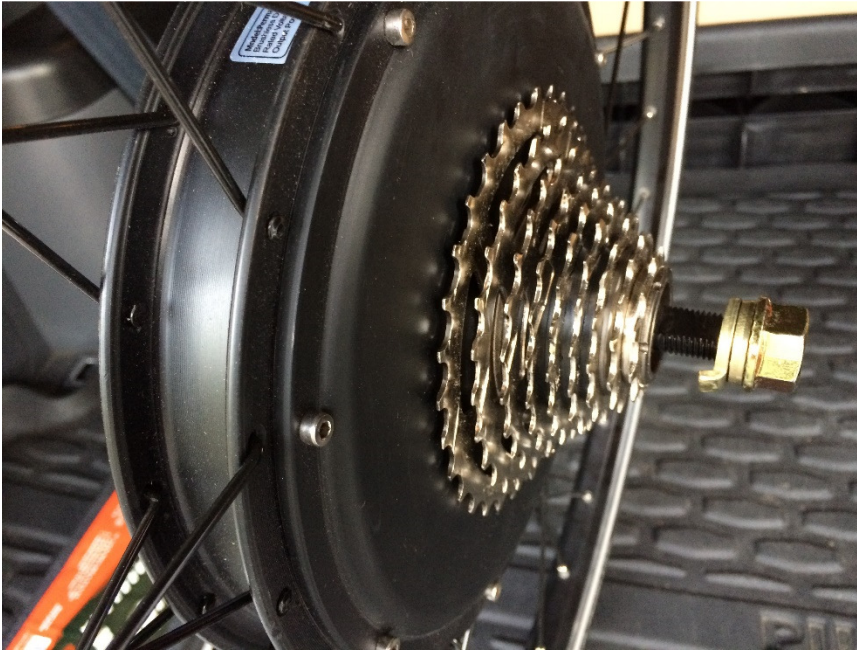


1. 4.2KW/ 5KW peak controller
2. Tektro eBrakes (pair)
3. PAS pedelec
4. Twist throttle and grip (optional)
5. Thumb throttle
6. LCD and on/off switch
7. Disk Brake
8. Torque limiter

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2.2 Mounting freewheel gears on Motor

1. Lightly grease the motor free wheel mount
2. Take the free wheel gears and screw on motor wheel. It will lock in place.
3. May need local bike shop to tighten gears.



2.3 Motor Wheel centering.

1. The motor wheel requires 135 to 145 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

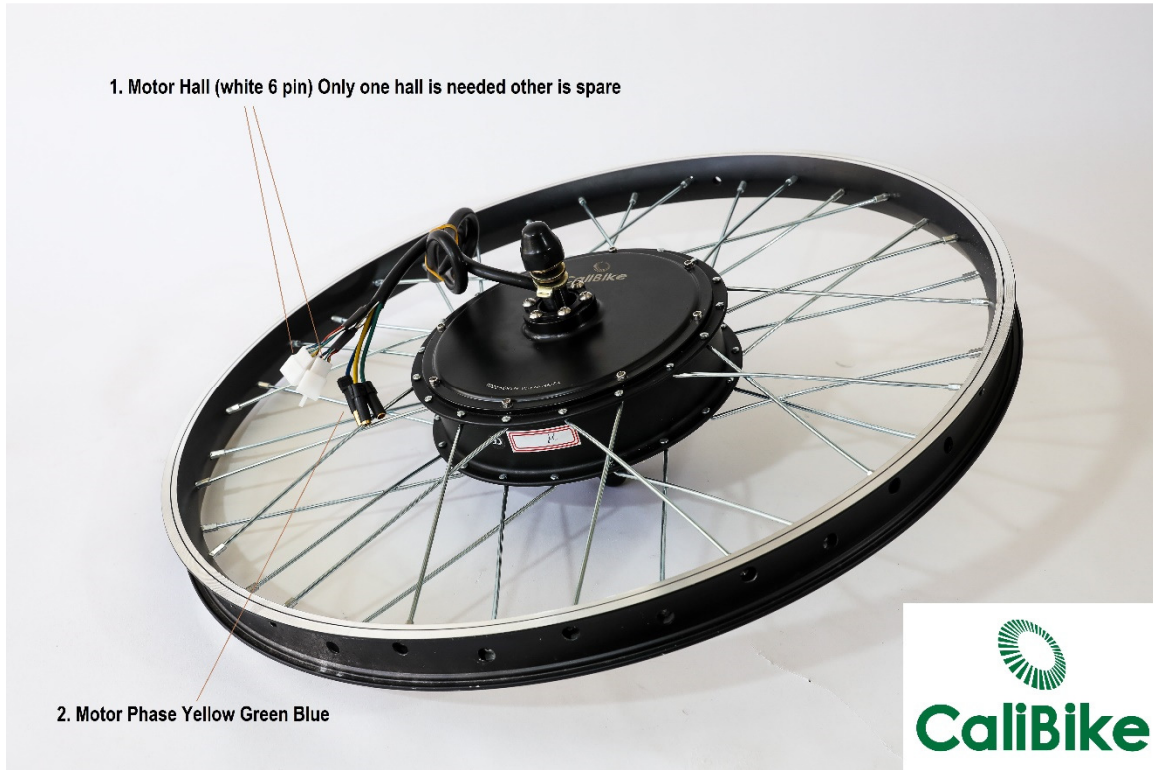
Take the old wheel out of the donor bike and place the calibike wheel in its place

<https://youtu.be/nedcxS0yv0E>

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2.5 C:\Users\rafe\OneDrive\ebike\calibike\specsMotor wiring hookup

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



1. Motor has dual hall sensors. Only 1 is needed the other is spare.
2. The motor phase Green goes to green, blue to blue and yellow to yellow.

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1. Plug Battery into XT90 Anderson yellow connector (red pwr, blk gnd)
2. Plug PAS into 3 pin black connector yellow, green, red wires
3. Plug LCD into 5 pin white connector
4. Plug throttle into 3 pin black connector black red white
5. Plug Motor Phase wires into matching Yellow Green Blue on controller
6. Plug Motor Hall 3x2 white connector matching male on controller. Motor has 2 hall sensors only one is used other is spare.

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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 72V5KW 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.