

PEXMOR 26EbikeKit1200-Fro88

PEXMOR Electric Bike Conversion Kit User Manual

Model: 26EbikeKit1200-Fro88

Brand: PEXMOR

INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of your PEXMOR 48V 1200W 26" Electric Bike Conversion Kit. Please read this manual thoroughly before beginning installation to ensure proper setup and safe operation. This kit is designed to transform a standard bicycle into a powerful electric bike, offering enhanced riding experiences with pedal assist and throttle control.

SAFETY INSTRUCTIONS

- Always wear a helmet and appropriate safety gear when riding.
- Ensure all connections are secure and components are properly installed before each ride.
- Do not operate the kit in wet conditions or extreme weather.
- Familiarize yourself with local e-bike regulations and traffic laws.
- Regularly inspect tires, brakes, and electrical connections for wear or damage.
- Avoid tampering with the motor or controller as this may void the warranty and pose safety risks.
- Keep hands and clothing clear of moving parts, especially the motor wheel and chain.

PACKAGE CONTENTS

Verify that all components listed below are included in your package:

COMPLETE CONVERSION KIT



Figure 1: Complete Conversion Kit Components. Battery not included.

- Hub Motor Wheel (Front or Rear, 26 inch)
- LCD Display
- Pedal Assist Sensor (PAS)
- Twist Throttle
- Terminal Box
- Battery Bag
- Controller
- Cable Ties
- Brake Levers
- Cable Cover
- Transfer Power Cord
- Torque Arm

- Controller Bag
- User Manual

INSTALLATION GUIDE

1. Pre-installation Preparation

Before starting, ensure you have all necessary tools and a stable work area. Place your bicycle upside down for easier access to the wheels and bottom bracket.

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Video 1: Step1 Pre-installation Preparation and Checks. This video demonstrates preparing your bike for the conversion kit installation, including positioning the bike and gathering tools.

It is crucial to have a clean and organized workspace to prevent loss of small parts and ensure a smooth installation process.

2. Motor Wheel Removal and Replacement

Carefully remove the existing front wheel from your bicycle. You will need to loosen the axle nuts and detach any brake components if applicable. Once removed, take out the tire and inner tube from the original wheel.



Figure 2: The main components of the conversion kit, including the motor wheel.

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Video 2: Removal and Replacement of Motor Wheel. This video illustrates the process of removing your bike's original wheel and preparing the new motor wheel for installation.

Transfer the tire and inner tube to the new motor wheel. Ensure the tire is properly seated on the rim before inflating. Inflate the tire to the recommended pressure as indicated on the tire sidewall.

3. Handlebar Component Installation (Brake Lever, Throttle, LCD Display)

Replace the original throttle with the new twist throttle provided in the kit. Tighten the screw on the throttle to secure it. Install the LCD display on the handlebar in a position that is easily visible and accessible during riding. If your handlebar is thin, use the provided belt to adjust the display securely.



Figure 3: Smart LCD Display for monitoring riding information.

The kit includes new brake levers. You can choose to replace your original brake levers with these, or retain your existing ones if they are compatible and functional. Ensure the brake levers are properly aligned and secured for effective braking.

4. PAS (Pedal Assist System) Installation

To install the PAS, you will need to loosen the pedal shaft screw and remove the dental disc. Install the PAS sensor, ensuring the arrow direction on the magnetic disc points to the forward direction of pedaling. Make sure the magnetic disc rotates freely with the shaft. Reinstall the dental disc and foot pedal, tightening all screws securely.

UPGRADE 3 MODES CONTROLLER

Sine Wave Controller, High Efficiency and Low noise





Figure 4: Pedal Assist System (PAS) sensor for various riding modes.

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Video 3: Step 4 Installation and Precaution of PAS. This video guides you through the installation of the Pedal Assist System.

5. Controller Connection and Fixation

Connect the controller to all corresponding accessories: throttle, PAS, brake levers, and display. Ensure all plugs are inserted tightly. The red, black, and green cables connect to the throttle. The red, white, and black cables connect to the PAS. The yellow, green, black, blue, and red cables connect to the display. The two blue cables on the controller are for speed limit; leave them alone if you want full speed. After fixing all connections, connect the battery to the controller to power the system.

FIT MOST TYPE BIKES



TWIST THROTTLE

Ensure speed control convenient



PEDAL ASSIST SYSTEM

Provide different riding modes



Figure 5: The controller and its various connections for the e-bike system.

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Video 4: Step3 Electrical Control System Connection and Check. This video details how to connect and check the electrical components of the kit.

After all connections are made, turn on the battery switch. Long press the "M" button on the display to turn it on. Test the throttle and check the motor's response. Also, check the brake levers to ensure they cut power to the motor when engaged. Verify the PAS is working correctly by checking its response in Gear "1" (it will not work in Gear "0"). Unplug all connections and turn off the battery after testing.

OPERATING INSTRUCTIONS

1. Riding Modes

The PEXMOR Electric Bike Conversion Kit offers four riding modes:

- **Throttle Mode:** Provides power on demand via the twist throttle, allowing you to ride without pedaling.
- **PAS (Pedal Assist System) Mode:** The motor provides assistance as you pedal, making riding easier, especially on

inclines or long distances. The PAS will work in Gear "1" and higher, but not in Gear "0".

- **Manual Mode:** Ride the bike like a traditional bicycle, using only pedal power.
- **Presets Mode:** Utilize pre-set power levels for consistent assistance.



Figure 6: Illustration of the four available riding modes.

2. LCD Display Functions

The LCD display provides essential riding information at a glance:

- **Battery Level:** Shows the remaining battery charge.
- **Speed:** Displays current riding speed.
- **Distance:** Tracks trip distance or total odometer.
- **Power:** Indicates real-time power output.
- **PAS Level:** Shows the current pedal assist level (0-5).

Use the buttons on the display to navigate through different information screens and adjust settings as needed.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your e-bike conversion kit:

- **Tires:** Check tire pressure regularly and inflate to recommended PSI. Inspect for wear and punctures.
- **Brakes:** Ensure brake levers are responsive and brake pads are not excessively worn. Adjust as needed.
- **Electrical Connections:** Periodically check all electrical connections for tightness and signs of corrosion or damage.
- **Motor & Controller:** Keep the motor and controller clean and free from debris. Avoid exposing them to excessive moisture.
- **Chain & Drivetrain:** Lubricate the chain regularly and keep the drivetrain components clean for smooth operation.
- **Spokes:** Regularly check spoke tension. Loose spokes can lead to wheel damage, as noted in some user experiences.

TROUBLESHOOTING

If you encounter issues with your PEXMOR Electric Bike Conversion Kit, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|--|--|---|
| Motor not working / Display not turning on | Loose electrical connections, faulty controller, battery not connected or charged. | Check all cable connections (motor, controller, display, battery). Ensure battery is charged and switched on. If issues persist, contact customer support. |
| PAS not providing assistance | PAS sensor misaligned, PAS level set to 0, faulty PAS sensor. | Ensure PAS sensor is correctly installed and aligned. Check display to confirm PAS level is not 0. Test PAS sensor functionality. |
| Loose spokes / Wheel wobbling | Improper spoke tension, wear and tear. | Regularly check and tighten spokes with a spoke wrench. If spokes are broken, replace them and re-tension the wheel. Professional assistance may be required. |
| Brake lever not cutting motor power | Brake lever sensor not connected or faulty. | Verify brake lever connections to the controller. Ensure the brake lever returns to its original position when released. |

SPECIFICATIONS

| Feature | Detail |
|----------------|---------------------------------|
| Bike Type | Electric Bike (Conversion Kit) |
| Brand | PEXMOR |
| Motor Power | 48V 1200W Brushless Hub Motor |
| Wheel Size | 26 Inches |
| Frame Material | Aluminum (for compatible bikes) |
| Max Speed | Up to 36.6 mph (59 km/h) |




| Feature | Detail |
|---------------------------|---|
| Controller Type | Upgrade 3 Modes Sine Wave Controller |
| Riding Modes | Throttle, PAS, Manual, Presets |
| Display | Smart LCD Display (Battery, Speed, Distance, PAS Level) |
| Max Weight Recommendation | 242 lbs |
| UPC | 810158426917 |







WARRANTY & SUPPORT

PEXMOR offers a limited warranty on this Electric Bike Conversion Kit. For specific warranty terms and conditions, please refer to the warranty card included in your package or contact PEXMOR customer service. If you encounter any issues during installation or operation, or require technical assistance, please contact PEXMOR support through the vendor's contact information provided with your purchase or on their official website. Please have your model number (26EbikeKit1200-Fro88) and purchase details ready when contacting support.

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Related Documents - 26EbikeKit1200-Fro88

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|  <p>Thank you for your purchase. Please contact us if you have difficulty with assembly or need replacement parts. Pexmor Customer Service is here to assist you. Email: support@pexmor.com Website: www.pexmor.com Please attach your Order number or Order ID so that we can assist you better.</p> | <p>Pexmor Electric Bicycle User Manual: Assembly, Operation, and Maintenance</p> <p>Comprehensive user manual for the Pexmor electric bicycle, covering assembly instructions, LCD instrument operation, maintenance tips, warranty information, and troubleshooting FAQs.</p> |
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