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MXUS ChinaMotor3000Wac06c5d2-5362-

MXUS 3000W/72V Electric Bike Conversion Kit Motor User Manual

Model: ChinaMotor3000Wac06c5d2-5362-

1. Product Overview

The MXUS 3000W/72V Electric Bike Conversion Kit Motor is designed to transform a standard bicycle into a powerful electric bicycle. This kit includes a high-performance hub motor, suitable for both fat and regular tire bicycles, providing robust assistance for various riding conditions. This manual provides essential information for the safe and effective installation, operation, and maintenance of your conversion kit.

2. Safety Information

Before installing or operating the MXUS 3000W/72V Electric Bike Conversion Kit, please read and understand all safety instructions. Failure to follow these instructions may result in serious injury or damage to the product.

- **Professional Installation:** It is highly recommended that installation be performed by a qualified bicycle mechanic or an experienced individual with knowledge of electrical systems.
- **Protective Gear:** Always wear a helmet and appropriate safety gear when riding an electric bicycle.
- **Local Regulations:** Be aware of and comply with all local laws and regulations regarding electric bicycles, including speed limits and power restrictions.
- **Electrical Connections:** Ensure all electrical connections are secure and properly insulated to prevent short circuits and electrical hazards. Disconnect the battery before performing any maintenance or installation.
- **Battery Safety:** Use only compatible batteries and chargers. Do not expose the battery to extreme temperatures, puncture, or disassemble it.
- **Brake System:** Verify that your bicycle's brake system is in excellent working condition and capable of handling the increased speed and weight of an electric bicycle.

3. Setup and Installation

This section outlines the general steps for installing the MXUS 3000W/72V Electric Bike Conversion Kit. Specific details may vary based on your bicycle frame and other components.

3.1 Unboxing and Component Identification

Carefully unpack all components and verify against the packing list. Typical components include:

- MXUS 3000W Hub Motor (pre-laced into a wheel rim)

- Motor Controller
- Throttle (thumb or twist)
- Brake Levers with motor cut-off sensors
- Pedal Assist Sensor (PAS)
- Display Unit (LCD/LED)
- Wiring Harness
- Charger (for battery, battery sold separately)

3.2 Hub Motor Wheel Installation



This image displays the MXUS 3000W hub motor integrated into a bicycle wheel, ready for installation. The motor is centrally located, with spokes extending to the rim.

1. Remove your bicycle's existing rear wheel.
2. Install the MXUS hub motor wheel into the rear dropouts of your bicycle frame. Ensure the motor cable exits on the correct side (usually left side, non-drive side) and is not pinched.
3. Secure the wheel using the provided axle nuts and torque them to the manufacturer's specifications.
4. Install the freewheel/cassette onto the motor axle if not already pre-installed.

3.3 Controller and Wiring Installation

1. Mount the motor controller in a secure, protected location on your bicycle frame, typically in a controller bag or battery box. Ensure it is protected from water and physical damage.
2. Connect the motor cable to the controller. Match the colors and connectors carefully.
3. Install the throttle, brake levers, and display unit onto the handlebars.
4. Mount the Pedal Assist Sensor (PAS) on the bottom bracket, ensuring the magnet disc and sensor are correctly aligned.
5. Connect all peripheral components (throttle, brake levers, PAS, display) to the controller's wiring harness.
6. Connect the battery cable (battery not included in this kit) to the controller. Ensure correct polarity (positive to positive, negative to negative).
7. Route all cables neatly and secure them with zip ties, ensuring they do not interfere with moving parts or steering.

3.4 Initial Checks

- Double-check all electrical connections for security and correct polarity.

- Ensure the wheel spins freely and is properly aligned.
- Test the brake levers to confirm they activate the motor cut-off function.
- Verify that the display powers on and shows correct information.

4. Operating Instructions

Once installed and checked, your MXUS electric bike conversion kit is ready for operation.

4.1 Powering On/Off

- To power on, press and hold the power button on the display unit for a few seconds. The display will illuminate.
- To power off, press and hold the power button again until the display turns off.

4.2 Using the Throttle

The throttle provides on-demand power from the motor. Gently twist or press the throttle to engage the motor. The amount of power delivered is proportional to how much the throttle is engaged. Release the throttle to stop motor assistance.

4.3 Pedal Assist System (PAS)

The PAS provides motor assistance as you pedal. Use the display unit to select your desired assist level (e.g., 1-5). Higher levels provide more assistance. The motor will engage automatically when you start pedaling and disengage when you stop or apply the brakes.

4.4 Braking

The brake levers are equipped with motor cut-off sensors. Applying either brake lever will immediately cut power to the motor, ensuring safe stopping. Always use your bicycle's brakes as normal.

5. Maintenance

Regular maintenance ensures the longevity and safe operation of your MXUS conversion kit.

- **Electrical Connections:** Periodically check all electrical connections for tightness and corrosion. Ensure cables are not frayed or damaged.
- **Motor and Wheel:** Inspect the motor wheel for loose spokes, rim damage, or unusual noises. Keep the motor clean and free of debris.
- **Brakes:** Regularly check brake pads for wear and ensure brake levers are functioning correctly, including the motor cut-off.
- **Battery Care:** Follow the battery manufacturer's instructions for charging, storage, and maintenance. Avoid fully discharging the battery and store it in a cool, dry place.
- **Cleaning:** Clean the kit components with a damp cloth. Avoid using high-pressure water jets directly on electrical components.

6. Troubleshooting

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
No power to display/motor	Battery discharged, loose connection, faulty fuse	Charge battery, check all connections, inspect battery fuse.

Problem	Possible Cause	Solution
Motor not engaging with throttle/PAS	Brake levers engaged, faulty throttle/PAS, motor cable disconnected	Ensure brake levers are released, check throttle/PAS connections, verify motor cable connection.
Motor makes unusual noise	Loose spokes, internal motor issue	Check spoke tension, consult a professional mechanic if noise persists.
Display shows error code	Sensor malfunction, controller issue	Refer to your display unit's specific manual for error code meanings and solutions.

7. Specifications

Feature	Detail
Brand	MXUS
Model Number	ChinaMotor3000Wac06c5d2-5362-
Motor Power	3000W
Nominal Voltage	72V
Motor Type	Hub Motor
Compatibility	Fat Tire or Regular Tire Bicycles
Country of Manufacture	China
Included Components	Motor Wheel, Controller, Throttle, Brake Levers, PAS, Display, Charger (Battery not included)

8. Warranty and Support

This MXUS product is covered by a limited warranty against manufacturing defects. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, or for technical support, please contact your retailer or the manufacturer directly.
For further assistance, please visit the product page on Amazon or contact the seller, Products International USA, through the Amazon platform.

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