

HUDAMZKY 115PDD

HUDAMZKY WUXING 115PDD E-Bike Brake Lever Instruction Manual

Model: 115PDD | Brand: HUDAMZKY

1. PRODUCT OVERVIEW

This manual provides instructions for the installation, operation, and maintenance of the HUDAMZKY WUXING 115PDD E-Bike Brake Lever. This brake lever set is designed for electric bikes and scooters, featuring a power cut-off sensor for enhanced safety.

The WUXING 115PDD brake lever set is constructed from melt-forged aluminum alloy for durability and consistent braking performance. It includes a power cut-off sensor that disengages the motor when the brake is applied, contributing to safer riding.

- **Power Cut-Off Sensor:** Integrates an electric bicycle brake handle cut-off sensor that cuts power to the motor when the brake is pressed.
- **Durable Construction:** The aluminum handle is sturdy and durable, complemented by a comfortable rubber grip and a sleek black matte spray paint finish.
- **Motor Protection:** Designed to effectively protect the brake system and extend the life of the motor.
- **Compatibility:** Suitable for retrofitting V-brakes and disc brakes on electric bicycles. **Not suitable for hydraulic brake systems.**

2. SPECIFICATIONS

Model	WUXING 115PDD
Material	Aluminum, Rubber
Product Dimensions (L x W)	7.2" x 0.89" (183mm x 22.5mm)
Item Weight	5.29 ounces (150g per single lever, not including cable)

Cable Length (SM Connector)	1800mm (180cm / 70.9 inches)
Cable Length (Waterproof Connector)	210mm (21cm / 8.3 inches)
Voltage Compatibility	12V-72V
Plug Type Options	Waterproof Plug (3-pin female) or SM Plug
Additional Features	Durable, Easy to Install, Sturdy, Antiskid Design, Hidden Wire Design



Image 1: WUXING 115PDD E-Bike Brake Lever showing overall dimensions and key specifications like voltage and plug types.

3. INSTALLATION GUIDE

Follow these steps to properly install your HUDAMZKY WUXING 115PDD E-Bike Brake Lever. Ensure your e-bike is powered off before beginning installation.

Installation Video Tutorial

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Video 1: Detailed installation steps for the 115PDD E-Brake lever, demonstrating removal of old components and fitting of new ones.

1. **Step 1: Remove Old Brake Lever.**

Carefully remove the existing brake lever and its cover from the handlebar. Detach the old brake cable from the lever mechanism.



Image 2: Illustration of removing the old brake lever and cable from the bicycle handlebar.

2. **Step 2: Install New Brake Lever.**

Slide the new WUXING 115PDD brake lever onto the handlebar. Loosen the adjusting nut on the new brake lever to prepare for cable insertion.

3. **Step 3: Connect Brake Cable.**

Insert the brake cable into the adjusting nut of the new lever. Once properly seated, tighten the adjusting nut to secure the cable.

4. **Step 4: Adjust Lever Position.**

Adjust the position of the brake lever on the handlebar to a comfortable and ergonomic angle. Use an appropriate tool (e.g., Allen key) to tighten the clamp and lock the lever securely in place.

5. **Step 5: Link to Controller.**

Connect the brake lever's electrical cable to the e-bike's controller. Ensure the correct plug type (Waterproof or SM) is used and securely connected. The waterproof plug is typically yellow and 3-pin female, while the SM plug is black. Refer to the video for visual guidance on connecting the appropriate plug type.



Waterproof Connector

3 Pin WP Connector Cable Length :
210mm including the connector

Image 3: Close-up of the waterproof connector, showing its design for secure electrical connection.

1T4 Cable WP

Waterproof Plug needs to be equipped with 1T4 cable

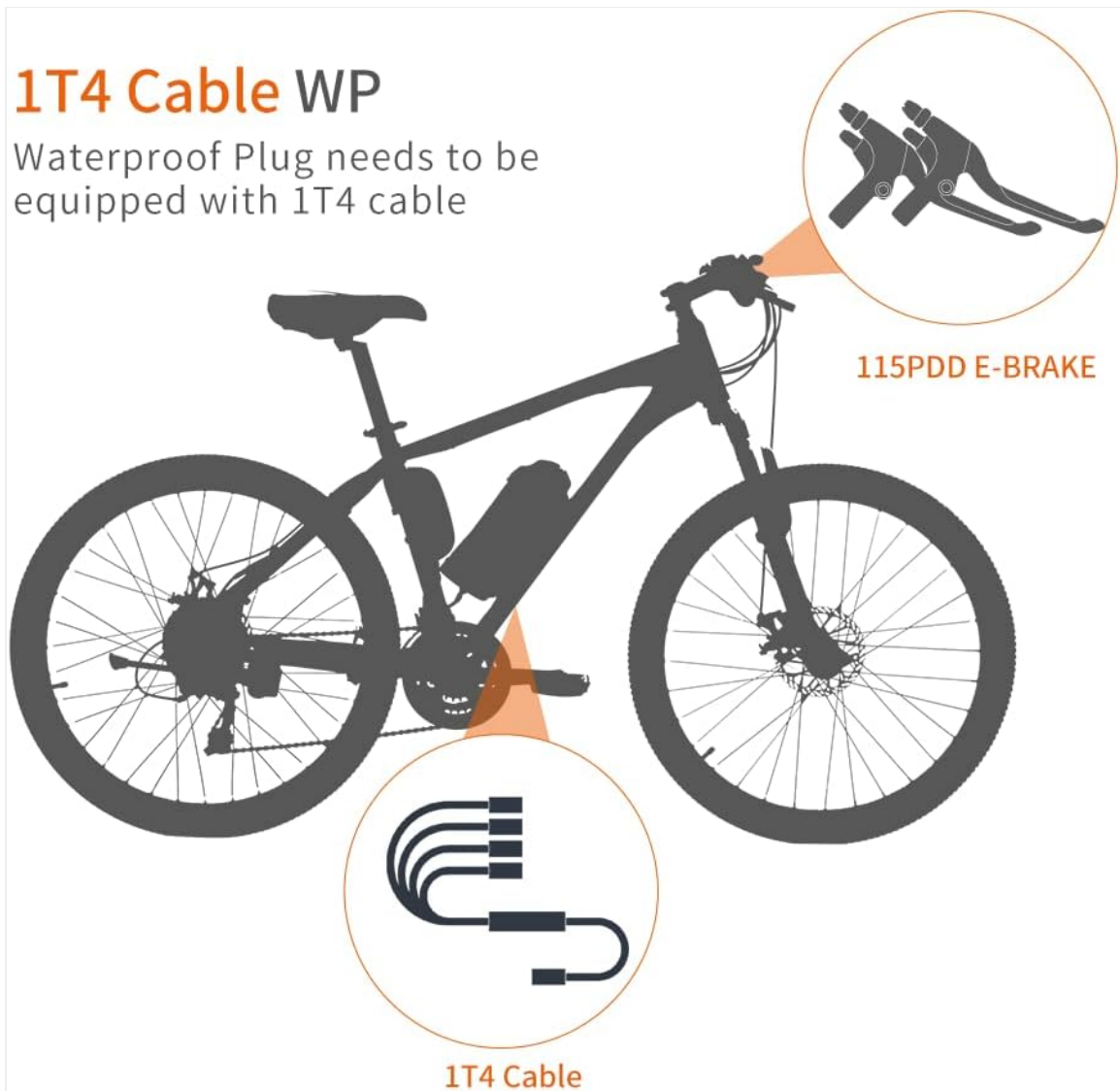


Image 4: Diagram illustrating how the brake lever connects to the e-bike system, potentially via a 1T4 cable for waterproof plugs.

After installation, test the brakes to ensure they function correctly and the power cut-off feature is active. The brake lever should return smoothly to its original position after being squeezed.

4. OPERATING INSTRUCTIONS

The WUXING 115PDD E-Bike Brake Lever operates like a standard bicycle brake lever with the added functionality of a motor power cut-off.

- **Braking:** Squeeze the brake lever towards the handlebar to engage the brake mechanism.
- **Power Cut-Off:** When the brake lever is squeezed, the integrated sensor will automatically cut power to the e-bike's motor, preventing accidental acceleration while braking.
- **Release:** Release the brake lever to disengage the brake and restore power to the motor (if the throttle is engaged).

Antiskid Design

This pair of handlebar grip adopts good quality materials, waterproof, sturdy and durable



Metal Parts

Non slip human design
don't be afraid of rainy days

WuXing Logo

The threading interface is convenient for braking and will not wind the wire



Image 5: Features of the Wuxing brake lever, including antiskid design, durable metal parts, and the Wuxing logo.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your brake levers.

- **Cleaning:** Keep the brake levers and surrounding areas clean from dirt and debris. Use a damp cloth for cleaning.
- **Cable Inspection:** Periodically check the brake cables for fraying, rust, or damage. Replace damaged cables immediately.
- **Tension Adjustment:** Ensure proper brake cable tension. The brake lever should have a firm feel and engage the brakes effectively without excessive slack or stiffness. Adjust the adjusting nut as needed.
- **Lubrication:** Apply a small amount of bicycle-specific lubricant to the pivot points of the brake lever and where the cable enters the housing to ensure smooth operation.
- **Sensor Check:** Regularly verify that the power cut-off sensor is functioning correctly by observing if the motor disengages when the brake is applied.

6. TROUBLESHOOTING

If you encounter issues with your brake levers, refer to the following common problems and solutions:

- **Brakes feel spongy or loose:**

Solution: Check brake cable tension. Tighten the adjusting nut on the brake lever or at the brake caliper/V-brake arms. Inspect cables for stretching or damage.

- **Brakes are too stiff or drag:**

Solution: Loosen brake cable tension slightly. Ensure the brake lever pivot points are clean and lubricated. Check for any obstructions in the brake cable housing.

- **Power cut-off feature not working:**

Solution: Verify that the electrical connection between the brake lever and the controller is secure and correctly plugged in. Check for any visible damage to the sensor wire or connector. Ensure the brake lever is fully returning to its open position when released.

- **Brake lever does not return smoothly:**

Solution: Clean and lubricate the lever's pivot points. Check the brake cable for kinks or damage that might impede smooth movement.

7. SUPPORT

For any questions regarding the HUDAMZKY WUXING 115PDD E-Bike Brake Lever, please contact our customer support. We are committed to providing assistance and will respond to your inquiries within 24 hours to help resolve any issues you may encounter.

Contact information (placeholder): Please refer to your purchase documentation or the seller's contact details for support.