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PUCKIPUPPY Boxer ST (ASIN: B0DZ6CM5P3)

PUCKIPUPPY Boxer ST Electric Bicycle Instruction Manual

Model: Boxer ST (ASIN: B0DZ6CM5P3)

Brand: PUCKIPUPPY

1. INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and care of your PUCKIPUPPY Boxer ST Electric Bicycle. Please read this manual thoroughly before your first ride to ensure proper assembly, function, and safety. Retain this manual for future reference.

Safety Warning:

- Always wear a helmet and appropriate safety gear when riding.
- Familiarize yourself with local traffic laws and regulations.
- Perform pre-ride checks as outlined in this manual.
- Do not operate the ebike under the influence of alcohol or drugs.

2. PRODUCT OVERVIEW

The PUCKIPUPPY Boxer ST is a full-suspension electric bicycle designed for versatile riding, featuring a powerful motor, long-range battery, and robust fat tires. Its step-thru frame design enhances accessibility.

Key Components



Figure 2.1: Overview of the PUCKIPUPPY Boxer ST Electric Bicycle and its accessories, including an additional battery, rear rack, fenders, cell phone holder, bike lock, water cup holder, bike cover, and bike mirrors.

Customize your ride

Fit-Overall 100%



5.25 – 6.23FT
Recommended Height



Max 400 lbs
Load Capacity



68 lbs
Bicycle weight

Figure 2.2: Detailed dimensions of the Boxer ST ebike, showing overall length, height, wheel size, and recommended rider height (5.25 - 6.23 ft), maximum load capacity (400 lbs), and bicycle weight (68 lbs).

3. SETUP AND ASSEMBLY

Your PUCKIPUPPY Boxer ST electric bicycle arrives 85% pre-assembled. Follow these steps to complete the assembly.

3.1 Unpacking

- Carefully remove the ebike and all components from the packaging.
- Inspect for any shipping damage. Contact support immediately if damage is found.
- Remove all protective packaging materials.

3.2 Handlebar Installation

1. Loosen the stem bolts on the front fork.
2. Insert the handlebar stem into the fork tube, ensuring it is aligned with the front wheel.

3. Tighten the stem bolts securely.

3.3 Pedal Installation

1. Identify the left (L) and right (R) pedals.
2. The right pedal (R) threads clockwise into the crank arm.
3. The left pedal (L) threads counter-clockwise into the crank arm.
4. Tighten both pedals firmly with a wrench.

3.4 Front Wheel Installation

1. Align the front wheel with the fork dropouts.
2. Insert the quick-release skewer or axle through the hub.
3. Secure the wheel according to the quick-release mechanism or axle nuts. Ensure it is centered and tight.

3.5 Battery Installation

The 48V 20AH removable battery is integrated into the frame. Ensure it is securely locked before riding.



Figure 3.1: The 48V 20Ah removable battery, securely housed within the ebike's frame, providing an electric range of 40-80 miles and featuring BMS for power saving.

3.6 Initial Battery Charge

Before your first ride, fully charge the battery. Connect the charger to the battery port and then to a power outlet. The indicator light on the charger will change when fully charged (typically 6-8 hours).

Many online celebrities reviewed the product and shared their riding experiences.



Figure 3.2: Illustration of the 48V 20Ah battery being charged, highlighting its easy disassembly and safety features like short circuit, overcharge, and temperature protection.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- To power on the ebike, press and hold the power button on the LCD display.
- To power off, press and hold the power button again until the display turns off.

4.2 LCD Display Functions

The intelligent LCD display provides real-time riding data and allows you to control various settings.

Intelligence Control System



Electric Mode



Cruise Mode



Pedal-assist Mode



Walk Mode



Figure 4.1: The intelligent LCD display showing speed, distance, time, and power levels, allowing control over various riding modes.

4.3 Riding Modes

The Boxer ST offers five distinct riding modes:

- **Electric Mode:** Pure electric power via throttle.
- **Pedal-assist Mode:** Motor provides assistance as you pedal. Adjustable assist levels.
- **Cruise Mode:** Maintains a set speed without continuous throttle or pedaling.
- **Manual Mode:** Ride as a traditional bicycle without motor assistance.

- **Walk Mode:** Provides low-speed assistance for walking the bike.

Figure 4.2: Illustration of the ebike being used in Manual Mode, where the rider propels the bike without electric assistance.

Figure 4.3: Illustration of the ebike being used in Pedal-assist Mode, where the motor provides assistance as the rider pedals.

Figure 4.4: Illustration of the ebike being used in Cruise Mode and Electric Mode, demonstrating hands-free speed maintenance and pure electric propulsion.

4.4 Gear Shifting

The ebike is equipped with a Shimano 7-speed transmission. Use the shifter on the handlebar to change gears

according to terrain and desired speed. Shift smoothly to avoid strain on the drivetrain.

4.5 Braking System

The Boxer ST features dual 180mm hydraulic disc brakes for reliable stopping power.

Dual Hydraulic Disc Braks

Provide more sensitive and safer performance



Figure 4.5: Close-up view of the dual hydraulic disc brakes, designed for sensitive and safe stopping performance.

***We promise to deliver within 7 business days
or reparation value \$100 bike accessories!***



Figure 4.6: Illustration of the ebike's safe braking system, highlighting the front and rear hydraulic disc brakes in action during a ride.

- Apply both front and rear brakes simultaneously for optimal stopping.
- Avoid sudden, hard braking, especially at high speeds or on loose surfaces.

4.6 Suspension Adjustment

The full suspension system includes a lockable and adjustable hydraulic suspension fork and a new longitudinal rear suspension.

Full Suspension System

Reduces bumps by 80% when riding on rough roads

80%↑



Figure 4.7: The full suspension system, showing the suspension fork lock and hydraulic suspension fork, designed to reduce bumps by 80% on rough roads.



Figure 4.8: Illustration of the dual suspension system, including the suspension fork lock and hydraulic suspension fork, contributing to a comfortable riding experience.

- Adjust the fork's lockout and rebound settings to suit terrain and riding style.
- Consult a professional bike mechanic for advanced suspension tuning.

5. BATTERY MANAGEMENT

5.1 Charging

- Use only the provided 54V 2A charger.
- Charge in a dry, well-ventilated area, away from flammable materials.
- Do not cover the charger during use.
- Charging time is approximately 6-8 hours for a full charge.

5.2 Removal and Installation

- To remove the battery, unlock it with the key and slide it out of the frame.
- To install, slide the battery back into the frame until it clicks into place, then lock it with the key.

5.3 Care and Storage

- Store the battery in a cool, dry place between 0°C and 25°C (32°F and 77°F).
- Avoid extreme temperatures.
- If storing for extended periods, charge the battery to 50-70% every 2-3 months.
- Do not expose the battery to water or moisture.

6. MAINTENANCE AND CARE

6.1 Regular Checks

- **Tires:** Check tire pressure before each ride. The 26"x 4" fat tires require specific pressure for optimal performance and comfort.

26*4 All Terrain Fat Tire

New compound rubber formula with 25% more grip than regular tires



Figure 6.1: The 26x4 all-terrain fat tire, featuring a new compound rubber formula for 25% more grip, suitable for various terrains including mountains, snow, and wet conditions.

- **Brakes:** Ensure brake levers are firm and responsive. Check brake pads for wear.
- **Chain:** Keep the chain clean and lubricated.
- **Bolts and Fasteners:** Periodically check all bolts and fasteners for tightness.

6.2 Cleaning

- Wipe down the frame with a damp cloth. Avoid high-pressure washing directly on electrical components.
- Clean the drivetrain with a degreaser and brush.

6.3 Storage

- Store the ebike in a dry, secure location, away from direct sunlight and extreme temperatures.
- If storing for long periods, remove the battery and follow battery storage guidelines.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your PUCKIPUPPY Boxer ST ebike.

Problem	Possible Cause	Solution
Ebike does not power on	Battery not charged or not properly installed; Power button not pressed correctly.	Ensure battery is fully charged and securely seated. Press and hold power button firmly.
Motor not assisting	Battery low; Pedal-assist level set to zero; Sensor issue.	Charge battery. Increase pedal-assist level on display. Check for loose connections.
Brakes feel weak	Worn brake pads; Air in hydraulic lines; Misaligned calipers.	Inspect brake pads and replace if worn. Consult a bike mechanic for hydraulic system bleeding or caliper adjustment.
Unusual noises from drivetrain	Dry or dirty chain; Misaligned derailleur.	Clean and lubricate chain. Adjust derailleur if necessary, or seek professional help.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact PUCKIPUPPY customer support.

8. SPECIFICATIONS

Detailed technical specifications for the PUCKIPUPPY Boxer ST Electric Bicycle.



Figure 8.1: Exploded view of the 48V 960W powerful motor, highlighting its components and capabilities including 90Nm torque and 30-40 degree climbing ability.

Feature	Specification
Bike Type	Electric Bike

Feature	Specification
Age Range (Description)	Adult
Brand	PUCKIPUPPY
Number of Speeds	7 (Shimano)
Color	Camouflage
Wheel Size	26 Inches (4" Fat Tire)
Frame Material	Aluminum 6061 Alloy (Step-Thru Design)
Suspension Type	Dual (Hydraulic Suspension Fork & Longitudinal Rear Suspension)
Motor	960W Peak Brushless Rear Hub Motor (90Nm Torque)
Top Speed	Up to 28 MPH (Pedal Assist), 20 MPH (Pure Electric)
Battery	48V 20AH Removable Battery
Max Range	40-80 Miles (Pedal Assist, varies by conditions)
Charging Time	6-8 Hours (with 54V 2A charger)
Brakes	Dual 180mm Hydraulic Disc Brakes
Display	Upgraded LCD Intelligent Display
Max Climbing Ability	Up to 40°
Recommended Rider Height	5.25 - 6.23 FT
Max Load Capacity	400 lbs
Bicycle Weight	68 lbs

9. WARRANTY AND SUPPORT

PUCKIPUPPY is committed to providing high-quality products and excellent customer service.

9.1 Professional Support Team

If you have any questions regarding your ebike, assembly, operation, or maintenance, the PUCKIPUPPY professional support team is available to assist you. They aim to provide feasible solutions within 24 hours.

9.2 Warranty Information

Specific warranty details are provided with your purchase documentation. Please refer to those documents for terms and conditions. Generally, PUCKIPUPPY stands behind the quality of its products.

9.3 Contact Information

For support, please refer to the contact details provided in your purchase package or visit the official PUCKIPUPPY website for the most current support information.



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