

5TH WHEEL EB17

5TH WHEEL Electric Bike User Manual

Model: EB17

1. INTRODUCTION

Welcome to the 5TH WHEEL Electric Bike user manual. This guide provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.

The 5TH WHEEL Electric Bike is designed for both commuting and mountain riding, offering a powerful motor, long-lasting battery, and comfortable design for an enhanced riding experience.

2. SAFETY INFORMATION

Your safety is paramount. Always adhere to the following safety guidelines:

- Always wear a helmet that meets safety standards.
- Perform a pre-ride inspection before each use, checking brakes, tire pressure, and battery level.
- Obey all local traffic laws and regulations.
- Be aware of your surroundings and ride defensively.
- Do not ride under the influence of alcohol or drugs.
- Ensure the battery is securely locked in place before riding.
- Avoid riding in extreme weather conditions.
- Do not exceed the maximum load capacity of 330 lbs.

3. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main components of your 5TH WHEEL Electric Bike.



Figure 3.1: The 5TH WHEEL Electric Bike in black, showcasing its overall design and key features like the front suspension and integrated battery.

3.1 Key Features

- **Powerful Motor:** Equipped with a 750W peak brushless motor for speeds up to 23 MPH.
- **Removable Battery:** 468WH battery offering 28 miles in electric mode and up to 43 miles in pedal-assist mode.
- **Durable Frame:** High-quality carbon steel frame supporting up to 330 lbs.
- **Front Suspension:** Adjustable front suspension for absorbing bumps and shocks.
- **Color LCD Display:** Upgraded display for tracking essential riding data.
- **7-Speed Gears:** Shimano 7-speed gear system for versatile riding.
- **Integrated Lighting:** Bright headlight and flashable reflector for enhanced visibility.

3.2 Detailed Component Views

PREMIUM ALUMINUM ALLOY FRAME

Constructed from high-quality aluminum to supports max 330lbs



Figure 3.2: Close-up of the bike's frame, highlighting its lightweight, high-strength, and water-resistant properties. The frame is constructed from high-quality carbon steel, designed to support a maximum load of 330 lbs.



Figure 3.3: Illustration of the lockable front fork, demonstrating its shock absorption capabilities for a smoother ride and the ability to open or lock the suspension.



Figure 3.4: Detailed view of the 750W peak brushless motor and the Shimano 7-speed gear system, capable of reaching a top speed of 23 MPH and handling inclines up to 25%.



Figure 3.5: The removable 468WH battery, which offers a range of 28 miles in electric mode and up to 43 miles in pedal-assist mode. Its portability allows for convenient charging.

SMART LCD DISPLAY

Make essential riding data at a clear



Figure 3.6: The upgraded color LCD display, showing essential riding data such as speed, power display, and indicating the 3 Pedal Assist System (PAS) modes.



Figure 3.7: A diagram illustrating the key dimensions of the 5TH WHEEL Electric Bike, including total length (67.0"), wheelbase (39.4"), standover height (27.1"), reach (21.7"), minimum saddle height (32"), maximum saddle height (38"), and handlebar height (38.5"). Recommended height for riders is 5.3-6.1 FT.

4. SETUP AND ASSEMBLY

Your 5TH WHEEL Electric Bike comes 85% pre-assembled. The remaining assembly steps are straightforward and typically involve attaching the front wheel, handlebars, pedals, and seat. Please follow the detailed assembly instructions provided in the separate assembly guide included with your packaging.

Before Assembly:

- Unpack all components carefully and check against the packing list.
- Ensure you have all necessary tools (usually included or standard bicycle tools).
- Find a clean, open area for assembly.

Key Assembly Steps (Refer to separate guide for details):

1. Install the front wheel and secure the quick release skewer.
2. Attach the handlebars to the stem, ensuring proper alignment.
3. Install the pedals (note L and R markings).

4. Insert the seat post and saddle, adjusting to a comfortable height.
5. Mount the battery securely into its compartment.
6. Perform an initial safety check of all bolts, brakes, and tire pressure.

5. OPERATING INSTRUCTIONS

Your electric bike offers three primary riding modes:

- **Electric Mode:** Pure electric power, controlled by the throttle.
- **Pedal-Assist Mode (PAS):** The motor provides assistance as you pedal. There are multiple levels of assistance (e.g., 3 levels as indicated by the LCD display).
- **Normal Bicycle Mode:** Ride like a traditional bicycle with no motor assistance.

5.1 Starting the Bike

1. Ensure the battery is fully charged and securely installed.
2. Turn the key to the "ON" position (if applicable).
3. Press and hold the power button on the LCD display to turn on the system.

5.2 Using the LCD Display

The color LCD display provides real-time information:

- **Speed:** Current riding speed.
- **Battery Level:** Indicates remaining battery charge.
- **PAS Level:** Shows the current pedal-assist level. Use the '+' and '-' buttons to adjust.
- **Mileage:** Displays trip distance or total odometer.
- **Headlight Control:** Button to turn the integrated headlight on/off.

5.3 Shifting Gears

The 7-speed gear system allows you to adjust resistance for different terrains. Use the shifter on the handlebar to change gears smoothly. Shift to a lower gear for climbing hills and a higher gear for flat terrain or downhill riding.

5.4 Braking

The bike is equipped with dual disc brakes for reliable stopping power. Apply both front and rear brakes simultaneously for effective and safe stopping. Avoid sudden, hard braking, especially with the front brake only, to prevent skidding.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your electric bike.

- **Tires:** Check tire pressure before each ride. Maintain recommended PSI (usually found on the tire sidewall). Inspect for wear and punctures.
- **Brakes:** Regularly check brake pads for wear and ensure brake levers provide firm, responsive stopping power. Adjust cables as needed.

- **Chain:** Keep the chain clean and lubricated to ensure smooth shifting and prevent rust.
- **Battery:** Charge the battery regularly, even when not in use, to maintain its health. Store in a cool, dry place. Avoid fully discharging the battery.
- **Fasteners:** Periodically check all bolts and nuts for tightness, especially on critical components like wheels, handlebars, and seat post.
- **Cleaning:** Clean the bike with a damp cloth. Avoid high-pressure washing directly on electrical components.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, please contact customer support.

Problem	Possible Cause	Solution
Bike does not power on.	Battery not charged, battery not properly seated, power button not pressed correctly.	Charge battery, ensure battery is fully inserted and locked, press and hold power button.
Motor not assisting.	PAS level set to 0, battery low, loose motor connection.	Increase PAS level, charge battery, check motor cable connections.
Brakes feel weak.	Worn brake pads, loose brake cable, air in hydraulic system (if applicable).	Inspect/replace brake pads, adjust brake cable tension, consult a bike mechanic for hydraulic issues.
Unusual noises during riding.	Loose components, dry chain, misaligned gears.	Check all fasteners, lubricate chain, adjust gear derailleur.

8. SPECIFICATIONS

Detailed technical specifications for the 5TH WHEEL Electric Bike (Model: EB17).

Feature	Specification
Brand	5TH WHEEL
Model Number	EB17
Motor	750W Peak Brushless Motor
Top Speed	23 MPH
Battery	468WH Removable Battery (374.4 Watt Hours)
Electric Mode Range	Up to 28 miles
Pedal-Assist Range (PAS)	Up to 43 miles
Frame Material	High-quality Carbon Steel
Weight	53.8 lbs

Feature	Specification
Max Load Capacity	330 lbs
Gears	7-Speed Gear System
Suspension	Adjustable Front Suspension
Display	Color LCD Display
Brakes	Dual Disc Brakes
UL Certification	UL 2849 Tested

9. WARRANTY AND SUPPORT

The 5TH WHEEL Electric Bike comes with a one-year service warranty covering the electric motor, battery, and charger. This warranty covers manufacturing defects and malfunctions under normal use conditions. For technical support, warranty claims, or any questions regarding your electric bike, please contact 5TH WHEEL customer service. Refer to the contact information provided in your product packaging or visit the official 5TH WHEEL website.

Please retain your proof of purchase for warranty purposes.

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