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## 5TH WHEEL EB17

# 5TH WHEEL Discover EB17 Electric Bike User Manual

Model: EB17 | Brand: 5TH WHEEL

## INTRODUCTION

This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your 5TH WHEEL Discover EB17 Electric Bike. Please read this manual thoroughly before your first ride and retain it for future reference.

The 5TH WHEEL Discover EB17 is an electric bicycle designed for adults, featuring a powerful 750W peak motor, 26-inch wheels, and a 7-speed gear system. It offers both electric and pedal-assist modes for a versatile riding experience.

## SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Ensure all components are correctly assembled and secured before each use. Adhere to local traffic laws and regulations. Regular maintenance is crucial for safe operation.

- Always wear a certified helmet.
- Perform a pre-ride inspection: check tire pressure, brake function, and battery charge.
- Be aware of your surroundings and ride defensively.
- Do not ride under the influence of alcohol or drugs.
- Familiarize yourself with the electric assist levels and throttle response in a safe area.

## SETUP AND ASSEMBLY

Your 5TH WHEEL Discover EB17 Electric Bike arrives approximately 85% pre-assembled. The following steps outline the completion of assembly. A toolkit is included for your convenience.

### 1. Unboxing and Inspection

Carefully remove the bicycle and all packaging materials from the box. Inspect all components for any signs of damage during transit. Ensure all accessories listed in the packing list are present.



Image: The 5TH WHEEL Discover EB17 Electric Bike, fully assembled, showcasing its black frame with orange accents and 26-inch wheels.

## 2. Front Wheel Installation

Attach the front wheel to the front fork. Ensure the brake disc is correctly aligned with the brake caliper and there is no gap between the wheel and the fork. Insert the quick-release skewer through the wheel hub and secure it firmly.

## 3. Handlebar Installation

Install the handlebar onto the stem. Adjust the handlebar to your preferred riding position, ensuring it is centered and aligned with the front wheel. Tighten the stem bolts in a criss-cross pattern to secure the handlebar firmly.

## 4. Front Light and Reflector Installation

Mount the front light onto the designated bracket on the front fork. Install the rear reflector onto the seat post. Ensure both are securely fastened and visible.

## 5. Seat Installation

Insert the seat post into the frame's seat tube. Adjust the seat height to allow for a slight bend in your knee when the pedal is at its lowest point. Secure the quick-release lever firmly.

## 6. Pedal Installation

Identify the left (L) and right (R) pedals. The pedal marked "R" should be installed on the right side (chain side) and tightened clockwise. The pedal marked "L" should be installed on the left side and tightened counter-clockwise. Use a wrench to ensure they are securely tightened.

## 7. Initial Battery Charge

Before your first ride, fully charge the removable lithium-ion battery. Connect the charger to a power outlet and then to the charging port on the battery. The indicator light on the charger will turn green when fully charged.



Image: Close-up of the removable battery pack integrated into the bike frame, highlighting its easy removal for charging.

## Assembly Video Guide

For a visual guide on the assembly process, please refer to the official video below:

Video: Step-by-step instructions on how to assemble the 5TH WHEEL Discover EB17 Electric Bike.

### 1. Powering On/Off

To power on the bike, ensure the battery's power button is in the 'on' position. Then, press and hold the 'M' button on the LCD display control panel located on the left handlebar. To power off, press and hold the 'M' button again.



Image: Close-up of the color LCD display on the handlebar, showing speed, battery level, and pedal-assist mode.

### 2. Adjusting Pedal-Assist Levels (PAS)

The bike features three pedal-assist levels (PAS 1-3). Use the '+' and '-' buttons on the control panel to cycle through these levels. PAS 0 means no electric assistance, functioning as a regular bicycle. Higher PAS levels provide more motor assistance, reducing pedaling effort.

### 3. Using the Throttle

The throttle is located on the right handlebar, similar to a motorcycle. When a PAS level (1-3) is selected, twisting the throttle will engage the motor, propelling the bike without pedaling. The throttle provides power up to the maximum speed of 23 mph (after

speed limit removal).

#### 4. Gear Shifting

The 5TH WHEEL Discover EB17 is equipped with a 7-speed Shimano gear system. Use the shifter on the right handlebar to change gears. Lower gears are suitable for climbing hills, while higher gears are for faster speeds on flat terrain.

#### 5. Front Suspension Adjustment

The front suspension fork can be adjusted or locked out using the blue dial on the top of the fork. Turn the dial to 'Lock' for riding on smooth roads to improve pedaling efficiency, or 'Open' for rougher terrain to absorb shocks and provide a smoother ride.



Image: Detail of the lockable front suspension fork, showing the adjustment dial for different riding conditions.

#### 6. Headlight and Reflector Usage

Press the light button on the control panel to turn the front headlight on or off. The bike also includes front and rear reflectors for enhanced visibility, especially in low-light conditions.

#### Riding Experience Video

Observe the 5TH WHEEL Discover EB17 in action and learn more about its riding features:



Video: Demonstrating the riding capabilities and features of the 5TH WHEEL Discover EB17 Electric Bike in various environments.

## MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your electric bike. Perform these checks periodically:

- **Tires:** Check tire pressure before each ride. Recommended pressure is typically found on the tire sidewall.
- **Brakes:** Inspect brake pads for wear and ensure brake levers engage smoothly and effectively. Adjust as needed.
- **Chain:** Keep the chain clean and lubricated for smooth gear changes and to prevent rust.
- **Battery:** Store the battery in a cool, dry place. Avoid fully discharging the battery for extended periods. Charge regularly, even if not in use.
- **Fasteners:** Periodically check all bolts, nuts, and quick-release levers to ensure they are securely tightened.
- **Electrical Connections:** Ensure all electrical cables and connections are secure and free from damage.

## TROUBLESHOOTING

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If you encounter issues with your 5TH WHEEL Discover EB17, refer to the following common troubleshooting tips:

- **Bike not powering on:**
  - Check if the battery is fully charged.
  - Ensure the battery's power button is switched to the 'on' position.
  - Verify the battery is correctly seated in the frame.
  - Press and hold the 'M' button on the LCD display to activate.
- **Motor not assisting:**
  - Check the pedal-assist level (PAS). Ensure it is set to 1, 2, or 3, not 0.
  - Ensure the battery has sufficient charge.
  - Check for any loose electrical connections.
- **Brakes feel weak:**
  - Inspect brake pads for wear and replace if necessary.
  - Check brake cable tension and adjust for proper engagement.
- **Unusual noises:**
  - Inspect the chain for proper lubrication and tension.
  - Check for loose components or rubbing parts.

For persistent issues, please contact 5TH WHEEL customer support.

## SPECIFICATIONS

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<b>Model Name</b>	EB17
<b>Bike Type</b>	Electric Mountain Bike, Commuting Ebike
<b>Motor</b>	750W Peak Brushless Motor

<b>Top Speed</b>	20 MPH (up to 23 MPH after speed limit removal)
<b>Battery</b>	Removable Lithium-ion (36V, 13Ah, 468Wh)
<b>Range</b>	28 miles (electric mode), up to 43 miles (pedal-assist mode)
<b>Gears</b>	7-Speed Shimano
<b>Wheel Size</b>	26 Inches
<b>Frame Material</b>	Carbon Steel
<b>Suspension Type</b>	Front (Adjustable, Lockable)
<b>Brake Style</b>	Disc Brakes (Front & Rear)
<b>Bike Weight</b>	53.8 lbs
<b>Maximum Weight Recommendation</b>	330 lbs
<b>Special Features</b>	LCD Display, Lightweight, Adjustable Handlebar & Seat, Headlight, Reflectors
<b>Suggested Users</b>	Unisex-adult



Image: Diagram illustrating key dimensions (Total Length, Wheelbase, Standover Height, Reach, Min/Max Saddle Height, Handlebar Height) and weight specifications of the 5TH WHEEL Discover EB17 Electric Bike.

## WARRANTY AND SUPPORT

The 5TH WHEEL Discover EB17 Electric Bike comes with a **one-year limited warranty** covering the electric motor, battery, and charger. For warranty claims, technical assistance, or any inquiries, please contact 5TH WHEEL customer support.

Contact Email: [service@ride5thwheel.com](mailto:service@ride5thwheel.com)