5TH WHEEL EB16

5TH WHEEL Knight Electric Bike User Manual

Model: EB16

1. Introduction

Welcome to the 5TH WHEEL Knight Electric Bike user manual. This guide provides essential information for the safe operation, maintenance, and troubleshooting of your new electric bicycle. The 5TH WHEEL Knight is designed for adults, featuring a powerful 1500W peak motor, a long-lasting 748.8WH removable battery, and full suspension for a comfortable ride across various terrains. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.



Figure 1.1: The 5TH WHEEL Knight Electric Bike.

2. Safety Information

Your safety is paramount. Always adhere to local traffic laws and regulations. Wear a helmet and appropriate safety gear when riding. Regular maintenance checks are crucial for safe operation.

2.1 General Safety Guidelines

- Always wear a certified helmet and appropriate safety gear.
- Familiarize yourself with local e-bike regulations and traffic laws.
- Perform a pre-ride inspection before each use, checking brakes, tires, and battery level.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.

2.2 Lighting and Signals

The Knight Electric Bike is equipped with bright LED headlights, taillights, and turn signals for enhanced visibility

and safety, especially during night rides or in low-light conditions.



Figure 2.1: Illuminated headlight and turn signals for enhanced visibility.

3. Components Overview

Understanding the key components of your 5TH WHEEL Knight Electric Bike will help you operate and maintain it effectively.

- **Motor:** 1500W Peak (Rated 750W) motor for powerful assistance.
- **Battery:** 48V 15.6AH removable Lithium-Ion battery.
- **Tires:** 20"x4.0" anti-skid fat tires for multi-terrain performance.
- **Suspension:** Front fork spring shock absorbers and rear suspension for a smooth ride.
- **Brakes:** Front and rear disc brakes for reliable stopping power.

- **Gears:** 7-speed gear system for versatile riding.
- **Display:** Intelligent LCD Display showing speed, gear, battery level, and more.

3.1 Key Components Visuals



Figure 3.1: Removable Lithium Battery.

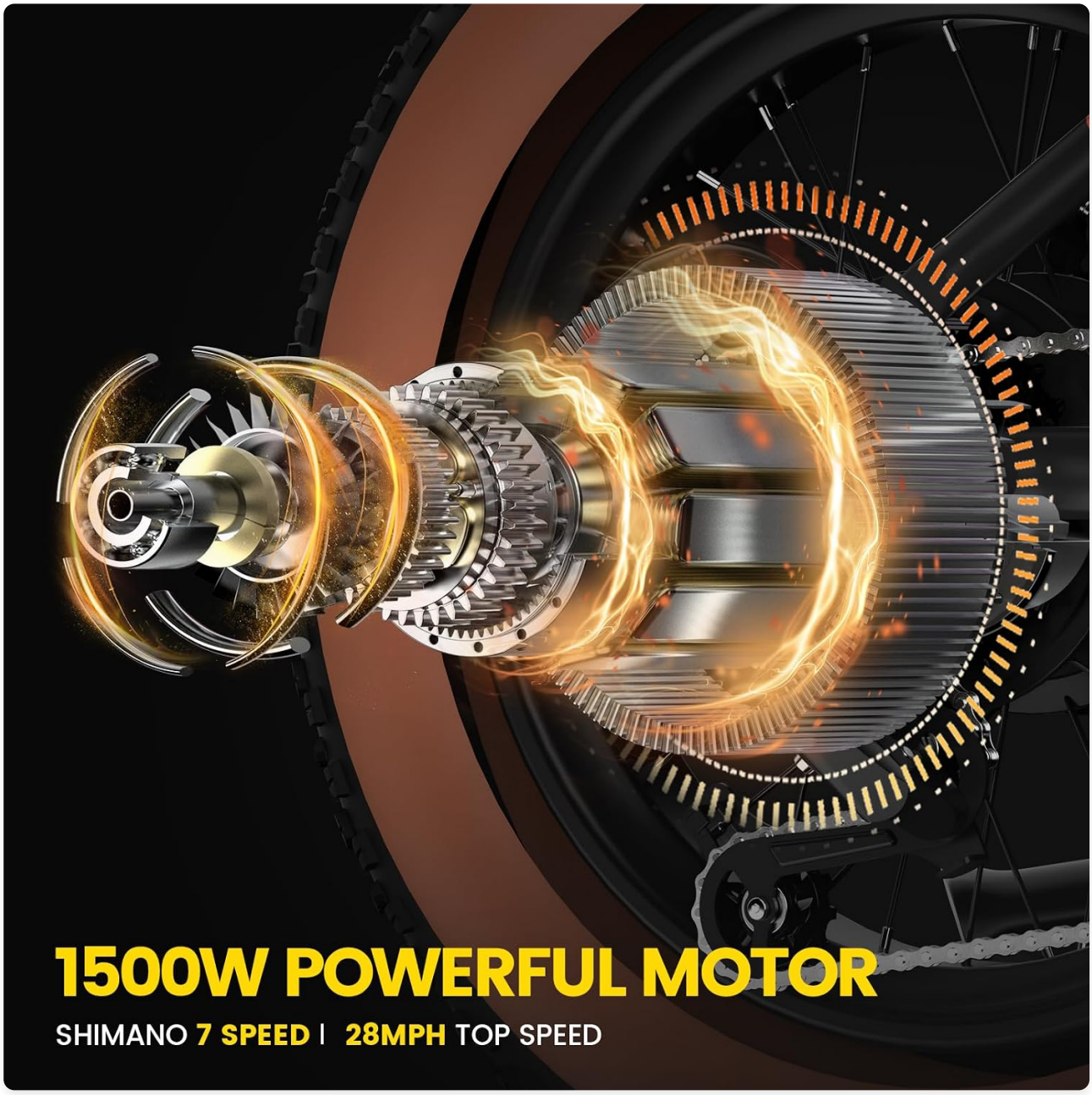


Figure 3.2: 1500W Powerful Motor.



Figure 3.3: Shock Absorber Design.



Figure 3.4: 20"x4.0 Fat Tires.

4. Setup and Initial Use

4.1 Unboxing and Assembly

Your 5TH WHEEL Knight Electric Bike comes partially assembled. Please refer to the included assembly guide for detailed instructions on attaching the handlebars, pedals, front wheel, and other components. A tool kit is included to assist with assembly.

4.2 Battery Installation and Charging

The 48V 15.6AH battery is removable for convenient charging. Ensure the battery is fully charged before your first ride. The battery is IP54 waterproof, but avoid submerging it in water.

4.3 Pre-Ride Checklist

- Check tire pressure (refer to tire sidewall for recommended PSI).
- Ensure brakes are functioning correctly.
- Verify all quick releases and bolts are tightened.
- Confirm battery is securely installed and charged.

5. Operating Instructions

The 5TH WHEEL Knight offers multiple riding modes and intuitive controls for a versatile riding experience.

5.1 Powering On and LCD Display

To power on the bike, press and hold the power button on the intelligent LCD Display. The display will show your current speed, gear, battery level, and other vital information. The initial speed is set to 25mph, but the bike is capable of reaching 28mph.

5.2 Riding Modes

Choose from three riding modes to suit your preference and terrain:

- **Throttle Mode:** Provides electric power without pedaling.
- **Pedal-Assist Mode (PAS):** The motor provides assistance as you pedal. This mode extends battery range significantly (up to 65 miles).
- **Regular Bike Mode:** Ride without electric assistance, like a traditional bicycle.

5.3 Gear Shifting

The bike features a 7-speed gear system. Use the gear shifter on the handlebars to change gears, allowing you to adapt to different inclines and speeds efficiently.

Your browser does not support the video tag. Please update your browser.

Video 5.1: Official product video showcasing the 5TH WHEEL Knight Electric Bike in various riding scenarios, highlighting its features and performance.

6. Maintenance

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

- **Battery Care:** Charge the battery regularly, even if not in use, to maintain its health. Store in a cool, dry place.
- **Tire Maintenance:** Check tire pressure before each ride. Inspect tires for wear and tear.
- **Brake System:** Regularly check brake pads and disc rotors for wear. Ensure brake levers are responsive.
- **Chain Lubrication:** Keep the chain clean and lubricated for smooth gear changes and to prevent rust.
- **Cleaning:** Use a damp cloth to clean the bike. Avoid high-pressure washing directly on electrical components.
- **Fasteners:** Periodically check and tighten all bolts and fasteners.

7. Troubleshooting

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Bike not powering on	Battery not charged or not properly installed.	Ensure battery is fully charged and securely seated. Check power button.
Motor not assisting	PAS level too low, throttle not engaged, or connection issue.	Increase PAS level on display. Check throttle connection. Contact support if issue persists.
Brakes feel weak	Worn brake pads or loose brake cable.	Inspect and replace brake pads if worn. Adjust brake cable tension.
Unusual noises	Loose components, dry chain, or debris.	Check all fasteners. Lubricate chain. Inspect for foreign objects.

8. Technical Specifications

Detailed specifications for your 5TH WHEEL Knight Electric Bike:

Feature	Specification
Bike Type	Electric Bike
Age Range	Adult
Brand	5TH WHEEL
Number of Speeds	7
Color	Gray Black
Wheel Size	20 Inches
Frame Material	Iron
Suspension Type	Front
Special Features	Digital Display, Taillight, Headlight, Rechargeable
Power Source	Rechargeable Battery

Feature	Specification
Wattage	748.8 Watt-hours
Max Weight Capacity	330 lb
Recommended Rider Height	62.4 - 74.4 inches

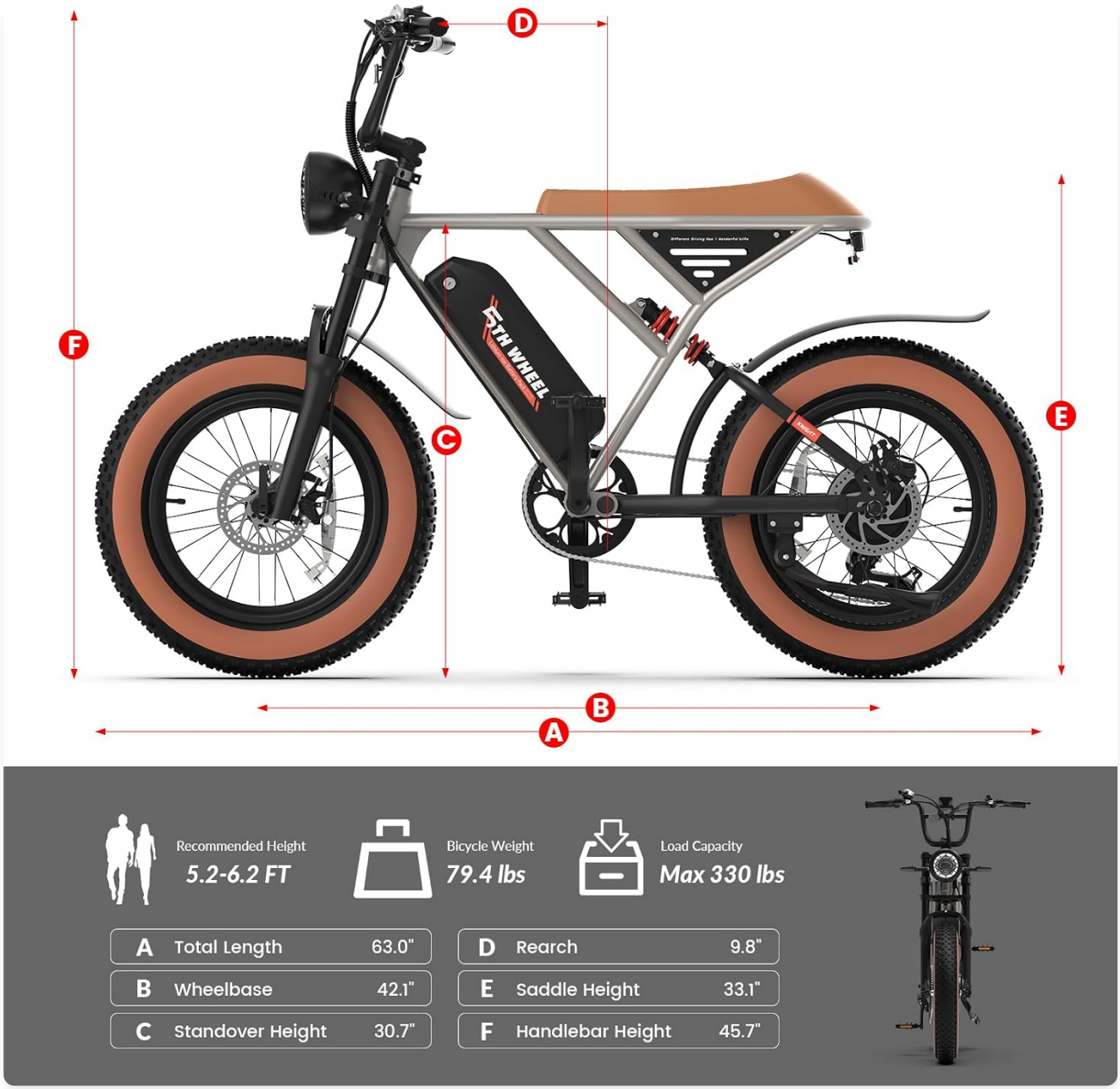


Figure 8.1: Product Dimensions and Rider Fit Guide.

9. Warranty and Customer Support

5TH WHEEL offers a **12-month service** and **1-year limited warranty** for the Knight Electric Bike. We also provide 24/7 online customer service to assist you with any inquiries or issues.
For support, please visit the official 5TH WHEEL Store on Amazon:5TH WHEEL Store

Please retain your purchase receipt and original packaging for warranty claims or returns.

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