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ANCHEER RoverH 33

ANCHEER 26" Electric Bike RoverH 33 User Manual

Model: RoverH 33

1. INTRODUCTION

This manual provides essential information for the safe operation, assembly, and maintenance of your ANCHEER 26" Electric Bike, model RoverH 33. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize your riding experience.



Image 1.1: The ANCHEER 26" Electric Bike RoverH 33, featuring fat tires and a rear rack.

2. SAFETY GUIDELINES

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to all local traffic laws and regulations.

2.1 UL Certification

The ANCHEER Electric Bike is UL 2849 and UL 2271 certified, ensuring compliance with safety standards for electrical systems of e-bikes and batteries. Always verify that electric bikes meet these certifications for your safety.



Image 2.1: UL Certificate of Compliance for ANCHEER Electric Bikes.

2.2 Braking System

The bike is equipped with professional-grade 180mm disc brake rotors. These provide significantly reduced stopping distances compared to standard 160mm rotors, especially at speeds over 20 mph. Regularly inspect brake pads and rotors for wear and proper function.



Image 2.2: Visual comparison of 180mm versus 160mm disc brake rotors, highlighting enhanced stopping power.

2.3 Visibility

The bike includes an ultra-bright LED front headlight and a red taillight for 360-degree visibility, enhancing safety during low-light conditions. Ensure these lights are functional before each ride.

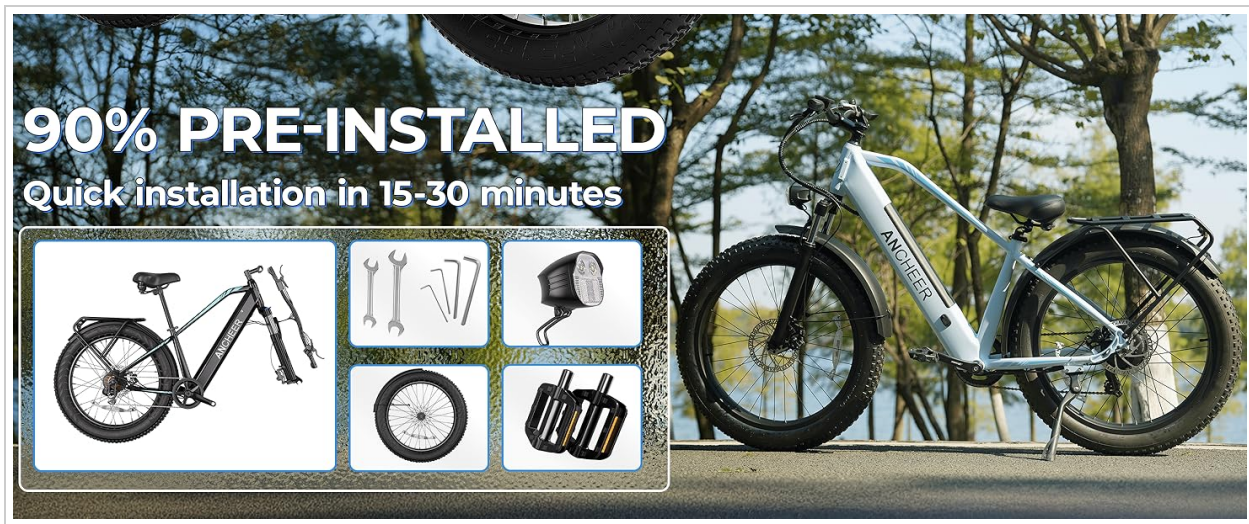


Image 2.3: Detailed view of the integrated LED front headlight and rear taillight for improved visibility.

3. ASSEMBLY INSTRUCTIONS

Your ANCHEER Electric Bike arrives approximately 85% pre-assembled. The remaining assembly typically takes 15-30 minutes. An installation video is available for guidance.

3.1 Unpacking and Inspection

Carefully remove the bike and all components from the packaging. Inspect for any damage that may have occurred during shipping. Contact customer support immediately if you find any issues.

3.2 Required Assembly Steps

The main components requiring assembly include the front wheel, handlebars, pedals, and seat post. A basic tool kit is included.

- Attach the front wheel to the front fork.
- Secure the handlebars to the stem.
- Install the pedals (note: left and right pedals are distinct).
- Insert the seat post and adjust the seat height.
- Ensure all bolts and quick releases are tightened securely.



Image 3.1: Illustration of the 90% pre-installed bike and the components requiring final assembly, including

4. COMPONENT OVERVIEW

Familiarize yourself with the main components of your ANCHEER Electric Bike.

- **Frame:** Durable aluminum alloy.
- **Motor:** 750W nominal, 1000W peak electric motor.
- **Battery:** 48V 15Ah built-in lithium-ion battery.
- **Wheels:** 26-inch wheels with 4-inch fat tires.
- **Suspension:** Front suspension fork with lockout feature.
- **Brakes:** Dual 180mm disc brakes.
- **Gears:** 7-speed gear system with trigger shifter.
- **Display:** Digital display for monitoring bike status.
- **Seat:** Adjustable seat with dual spring shock absorption.



Image 4.1: Detailed view of the bike's saddle, fat tire tread, rear derailleur, and front disc brake.



Image 4.2: Illustration of the dual spring shock-absorbing seat and the lockable front fork suspension.



Image 4.3: Detailed view of the front fork suspension system, showing the adjustment knob.

5. OPERATION

5.1 Powering On/Off

Locate the power button on the digital display. Press and hold to turn the bike's electrical system on or off.

5.2 Riding Modes

The ANCHEER Electric Bike offers two primary riding modes:

- **Pedal-Assist Mode:** The motor provides assistance as you pedal. This mode offers a maximum speed of up to 28 MPH and a range of 50-60 miles.
- **Throttle Mode:** The motor powers the bike without pedaling, similar to a motorcycle. This mode offers a maximum speed of up to 25 MPH and a range of 40-50 miles.

5.3 Digital Display

The digital display provides real-time information about your bike's status, including speed, battery level, and assist level. The vector frequency conversion controller updates every 0.1 seconds for efficient performance and 10% energy savings.



Image 5.1: Diagram illustrating the vector frequency conversion controller and its benefits for efficient performance.

5.4 Gear Shifting

The bike features a 7-speed gear system. Use the trigger shifter on the handlebars to change gears, allowing you to adapt to various terrains and riding conditions.

5.5 Motor Performance

The 750W motor provides excellent power, capable of conquering steep terrain. It has a peak output of 1000W, ensuring robust performance for daily commutes and travel.



Image 5.2: Cutaway view of the electric motor, indicating its 750W nominal and 1200W maximum power output.



Image 5.3: Visual representation of the motor's instant power delivery for optimal control.

6. BATTERY MANAGEMENT

The ANCHEER Electric Bike is equipped with a 48V 15Ah built-in lithium-ion battery, designed for long range and fast charging.

6.1 Charging

The battery supports 3A fast charging. Use only the provided charger. Ensure the charging port is clean and dry before connecting the charger. The built-in battery design offers anti-theft protection and maintains aesthetic appeal.

15AH BATTERY - 3A FAST CHARGING

BUILT-IN BATTERY, ANTI-THEFT ALSO AESTHETIC APPEAL



Image 6.1: View of the integrated 15Ah battery within the bike frame, showing its charging indicator.

6.2 Waterproof and Dustproof

The battery compartment is IPX5 rated, providing protection against water jets and dust ingress. This ensures durability in various weather conditions.

IPX5 WATERPROOF & DUSTPROOF

BUILT-IN BATTERY, ANTI-THEFT ALSO AESTHETIC APPEAL

IPX5

Image 6.2: Illustration of the IPX5 waterproof and dustproof rating of the battery housing.

6.3 Battery Protection

The aluminum alloy shell of the battery provides impact resistance, heat dissipation, stability, anti-theft features, and overcharge protection to prolong battery lifespan.



Image 6.3: Features of the aluminum alloy battery shell, including impact resistance, heat dissipation, stability, anti-theft, and overcharge protection.

7. MAINTENANCE

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

- **Cleaning:** Clean the bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Tires:** Check tire pressure before each ride. The fat tires are designed for off-road use and require specific pressure ranges.
- **Brakes:** Inspect brake pads and rotors for wear. Adjust brake levers as needed to ensure responsive braking.
- **Chain:** Keep the chain clean and lubricated for smooth gear changes and to prevent wear.
- **Fasteners:** Periodically check all bolts and fasteners for tightness.
- **Battery Storage:** If storing the bike for an extended period, charge the battery to 50-70% and store it in a cool, dry place. Recharge every 1-2 months to prevent deep discharge.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your electric bike.

| Problem | Possible Cause | Solution |
|--------------------------------|---|--|
| Bike does not power on | Battery low or disconnected; power button not pressed correctly | Charge battery; ensure battery is securely connected; press and hold power button firmly |
| Motor not assisting | Pedal-assist level set to zero; brake levers engaged; motor cable loose | Increase assist level on display; release brake levers; check motor cable connections |
| Brakes feel weak | Worn brake pads; air in hydraulic system (if applicable); misaligned calipers | Inspect and replace brake pads; consult a bike mechanic for brake bleeding or caliper adjustment |
| Unusual noises from drivetrain | Dry or dirty chain; misaligned gears | Clean and lubricate chain; adjust derailleur if necessary (refer to a bike repair guide or mechanic) |

For issues not listed here or if solutions do not resolve the problem, please contact ANCHEER customer support.

9. SPECIFICATIONS

Detailed technical specifications for the ANCHEER 26" Electric Bike RoverH 33.

| Feature | Specification |
|------------|---------------|
| Bike Type | Electric Bike |
| Model Name | RoverH 33 |

| Feature | Specification |
|---------------------------|---------------------------------------|
| Brand | ANCHEER |
| Motor Wattage | 750W (Peak 1000W) |
| Battery | 48V 15Ah Lithium-ion (720 Watt Hours) |
| Charging Time | 3A Fast Charging |
| Max Speed (Pedal-Assist) | 28 MPH |
| Max Speed (Throttle) | 25 MPH |
| Max Range (Pedal-Assist) | 50-60 Miles |
| Max Range (Pure Electric) | 40-50 Miles |
| Wheel Size | 26 Inches |
| Wheel Width | 4 Inches (Fat Tire) |
| Frame Material | Aluminum |
| Suspension Type | Front |
| Number of Speeds | 7 |
| Brake Style | Disc (180mm rotors) |
| Max Load Capacity | 300 lbs |
| Recommended Rider Height | 5'4" to 6'8" (163 cm to 203 cm) |
| Waterproof Rating | IPX5 (Battery) |
| Certifications | UL 2849, UL 2271 |
| Included Components | Bell, Kickstand, Tool Kit |



Image 9.1: Performance metrics including max grade (17°), throttle speed (25 mph), pedal speed (28 mph), load capacity (300 lbs), and range (50-60 miles).

Image 9.2: Bike geometry with dimensions for total length, handlebar height, seat height, and recommended rider height (5'3"-6'5") and load capacity (330 lbs).

10. WARRANTY AND SUPPORT

ANCHEER provides comprehensive support for your electric bike.

10.1 Warranty Information

A one-year guarantee is provided for all parts of the ANCHEER Electric Bike. This warranty covers manufacturing defects and ensures worry-free after-sales service.

10.2 Customer Support

For any inquiries, technical assistance, or warranty claims, please contact ANCHEER customer support:

- **Phone Support:** +1 877 652 5005 (Monday-Friday, 9:00 AM - 12:00 PM PST / 2:00 PM - 6:00 PM PST)
- **Email Support:** Scan the QR code provided in the product documentation for email contact.

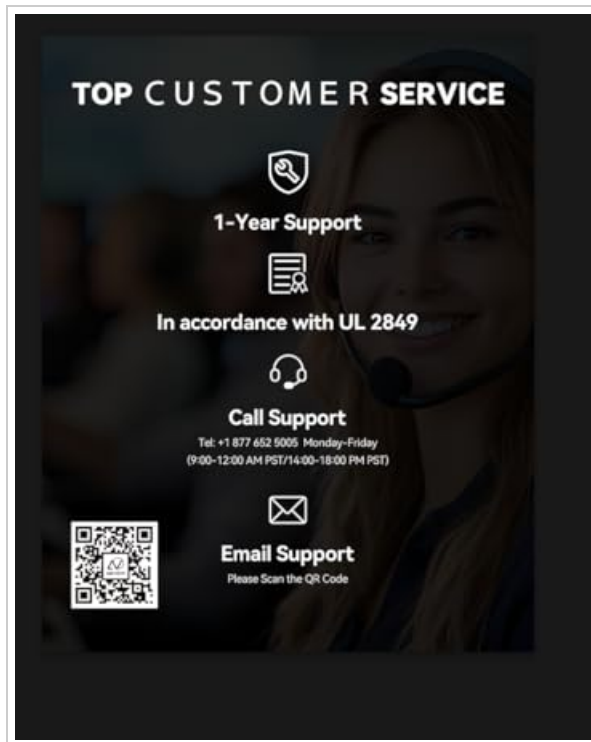


Image 10.1: ANCHEER customer service details, including phone number, operating hours, and a QR code for email support.