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ANCHEER AN045

ANCHEER AN045 Electric Tricycle User Manual

Model: AN045 | Brand: ANCHEER

1. Safety Information

Read and understand all safety instructions before operating the ANCHEER AN045 Electric Tricycle. Failure to follow these instructions may result in serious injury or property damage.

- Always wear a helmet and appropriate safety gear when riding.
- Ensure all components are securely fastened and in good working order before each ride.
- Do not exceed the maximum weight capacity of 265 lbs for the seat and 200 lbs for the rear basket.
- Familiarize yourself with local traffic laws and regulations regarding electric tricycles.
- Use the front and rear mechanical disc brakes for controlled stopping. The parking function should be engaged when stationary on inclines.
- The tricycle is equipped with a safety lighting system (headlight, taillight, and reflectors) to enhance visibility. Ensure these are functional, especially during low-light conditions.
- Avoid riding in adverse weather conditions or on slippery surfaces.

2. Product Overview

The ANCHEER AN045 is a 24-inch electric tricycle designed for stability and ease of use. It features a powerful motor, a long-range battery, and a spacious rear basket, making it suitable for various daily activities.



Image: The ANCHEER AN045 Electric Tricycle in orange, showcasing its three-wheel design and rear basket.

Key Components:

- **Motor:** 350W brushless motor (peak 550W) providing assistance.
- **Battery:** Removable 48V/499Wh lithium battery.
- **Display:** Digital LCD for monitoring ride data.
- **Brakes:** Front and rear mechanical disc brakes.
- **Gears:** 7-speed gear system.
- **Basket:** Large capacity rear basket for storage.
- **Differential System:** Intelligent rear differential for enhanced stability.

3. Setup and Assembly

The ANCHEER AN045 Electric Tricycle arrives approximately 80% pre-assembled. The remaining assembly involves attaching main parts such as the handlebars, seat, pedals, and rear basket. It is recommended to review the assembly video provided on the product page for visual guidance.

Assembly Steps (General):

1. **Unpacking:** Carefully remove all components from the packaging.

2. **Handlebar Installation:** Attach the handlebars to the stem, ensuring they are centered and tightened securely.
3. **Seat Post and Saddle:** Insert the seat post into the frame and adjust the saddle height to a comfortable position. Tighten the quick-release lever or bolt.
4. **Pedal Attachment:** Identify the left (L) and right (R) pedals. Thread the pedals into the crank arms, ensuring correct orientation, and tighten them firmly. Note that the left pedal is reverse-threaded.
5. **Rear Basket Assembly:** Assemble and attach the rear basket to the tricycle frame using the provided hardware. Ensure it is stable and secure.
6. **Battery Installation:** Insert the battery into its compartment and ensure it is locked in place.
7. **Pre-Ride Check:** Before the first ride, inspect all bolts, nuts, and quick releases to ensure they are properly tightened. Check tire pressure, brake function, and gear shifting.

4. Operating Instructions

4.1 Powering On/Off

- To power on the tricycle, press and hold the power button on the control panel.
- To power off, press and hold the power button again.

4.2 Battery Charging and Management



Image: Close-up view of the 48V 499Wh lithium battery integrated into the tricycle frame, highlighting its features like IP65 waterproof rating and 4-5 hour fast charge.

- The 48V/499Wh battery supports fast charging, typically taking 4-5 hours for a full charge.
- The battery is removable for convenient charging indoors or away from the tricycle.
- Ensure the charger is connected correctly to the battery and a power outlet. The indicator light on the charger will show charging status.
- The battery has an IP65 waterproof grade, but avoid submerging it in water.

4.3 Riding Modes and Speed



Image: Diagram illustrating the powerful 550W motor, showing its internal components and key performance metrics: 15.5 MPH max speed, 45 N.M max torque, and 15° climbing slope.

- **Manual Pedaling (Level 0):** The motor provides no assistance.
- **Pedal-Assist (Levels 1-5):** The motor provides assistance as you pedal. Level 1 offers minimal assistance, while Level 5 provides maximum assistance. Adjust using the '+' and '-' buttons on the control panel.
- **Full Electric Mode:** Engage the throttle for motor power without pedaling.
- The maximum speed of the tricycle is 15.5 MPH.

4.4 Cruise and Boost Modes

- **Cruise Control:** To engage, maintain a speed of 6 MPH or higher and then press and hold the "-" button. The tricycle will maintain its current speed. Press any brake lever or pedal to disengage.
- **Boost Mode:** To engage, reach a speed of 3 km/h (approximately 1.8 MPH) and then long-press the "-" button. This provides a temporary power boost.

4.5 Gear Shifting

The tricycle features a 7-speed gear system. Use the twist grip shifter on the handlebar to change gears, allowing you to adjust pedaling resistance for various terrains, such as climbing hills or cruising on flat roads.

4.6 Braking System

The ANCHEER AN045 is equipped with front and rear mechanical disc brakes. Apply both brake levers simultaneously for effective and balanced stopping. The brakes also include a parking function to secure the tricycle when stationary.

4.7 Digital LCD Display



Image: A composite image showing the digital LCD display, double disc brakes, 7-speed tricycle gears, and a three-layer thick seat, highlighting key features of the ANCHEER AN045.

The digital LCD display provides essential riding information:

- **Battery Level:** Indicates remaining battery charge.
- **Assist Level:** Shows the current pedal-assist level (0-5).
- **Speed:** Displays current riding speed.

- **Mileage:** Tracks trip distance and total odometer.
- **Voltage:** Shows battery voltage.
- **Fault Alert:** Displays error codes for troubleshooting.

5. Maintenance

Regular maintenance ensures the longevity and safe operation of your ANCHEER AN045 Electric Tricycle.

5.1 General Maintenance

- **Cleaning:** Wipe down the frame and components with a damp cloth. Avoid using high-pressure water jets directly on electrical components.
- **Tires:** Check tire pressure regularly and inflate to the recommended PSI indicated on the tire sidewall. Inspect for wear and damage.
- **Brakes:** Periodically check brake pads for wear and ensure brake levers provide firm and responsive stopping power. Adjust as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent rust.
- **Fasteners:** Regularly check all bolts, nuts, and quick releases for tightness.

5.2 Battery Care

- Charge the battery fully after each ride, especially if it has been significantly discharged.
- If storing the tricycle 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.
- Avoid exposing the battery to extreme temperatures.

6. Troubleshooting

This section addresses common issues you might encounter with your electric tricycle. For more complex problems, consult the warranty and support section.

- **Tricycle not powering on:** Check if the battery is properly installed and charged. Ensure the power button is pressed correctly.
- **Motor not assisting:** Verify the pedal-assist level on the LCD display. Ensure the battery has sufficient charge. Check for any error codes on the display.
- **Brakes feel weak:** Inspect brake pads for wear. Check brake cable tension and adjust if necessary.
- **Unusual noises:** Identify the source of the noise. It could be loose components, a dry chain, or issues with the wheels or motor. Address promptly.
- **Error Codes:** Refer to the LCD display for specific error codes. Consult the support team with the error code for diagnosis.

7. Specifications

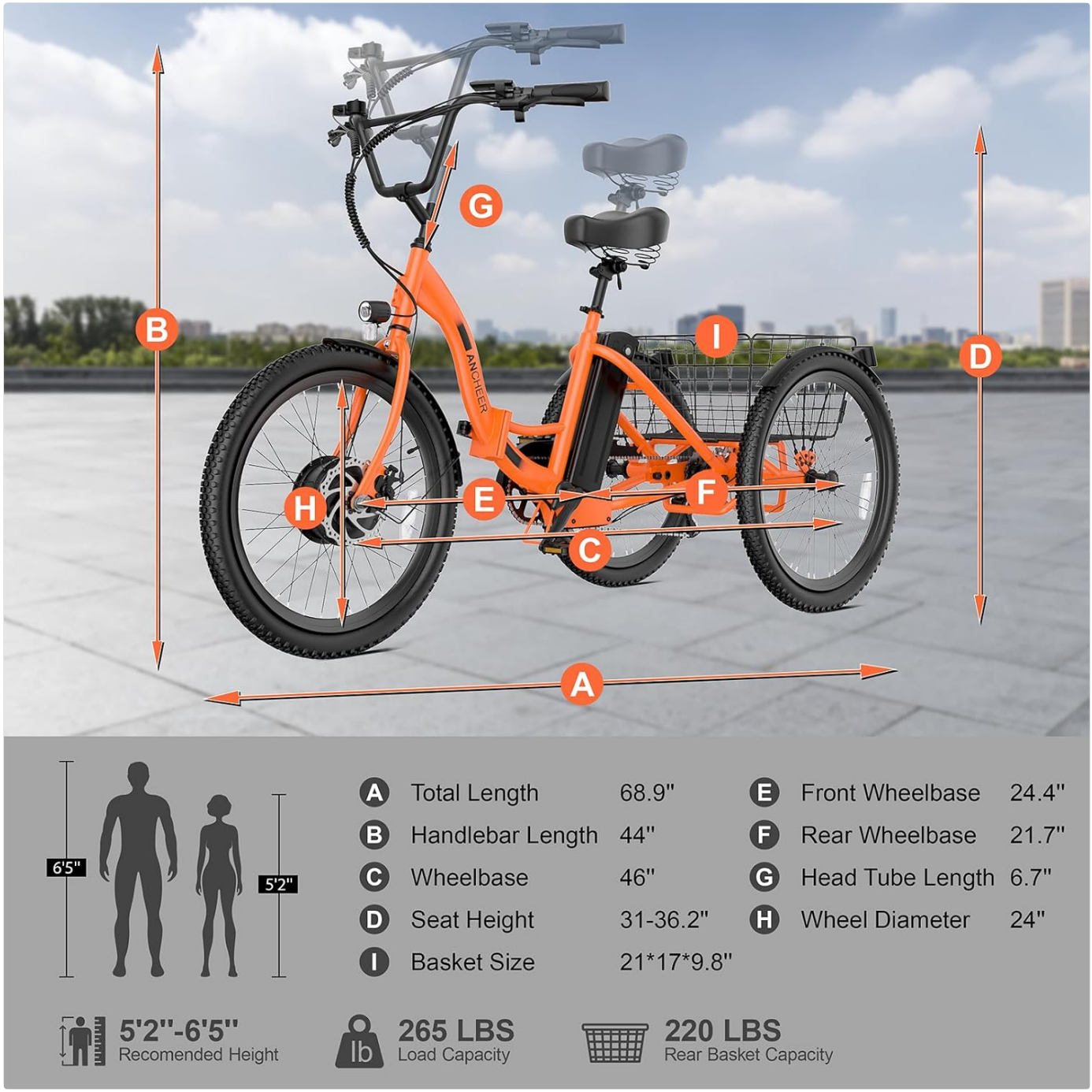


Image: A detailed diagram illustrating the key dimensions of the ANCHEER AN045 Electric Tricycle, including total length, handlebar length, wheelbase, seat height, and basket size.

Feature	Specification
Model Name	AN045
Bike Type	Electric Tricycle
Age Range	Adult
Motor	350W (Peak 550W) Brushless Motor
Max Torque	45 N.M
Battery	48V/499Wh Lithium Battery
Charging Time	4-5 Hours

Waterproof Grade	IP65
Max Speed	15.5 MPH
Number of Speeds	7
Wheel Size	24 Inches
Frame Material	Iron
Suspension Type	Rigid
Brake Style	Disc (Front & Rear Mechanical)
Maximum Weight Recommendation (Seat)	265 Pounds
Rear Basket Capacity	200 Pounds
Item Weight	40 Kilograms
Total Length	68.9 inches
Handlebar Length	44 inches
Wheelbase	46 inches
Seat Height	31-36.2 inches
Basket Size	21 x 17 x 9.8 inches

8. Warranty and Support

ANCHEER is committed to providing quality products and customer service.

8.1 Warranty Information

- The ANCHEER AN045 Electric Tricycle comes with a**1-year warranty** covering the electric motor, battery, and other main replaceable parts.
- This warranty covers manufacturing defects and material flaws under normal use. It does not cover damage due to misuse, accidents, or unauthorized modifications.
- ANCHEER provides lifetime technical support for the product.

8.2 Customer Support



Image: ANCHEER customer service details, including warranty, UL 2849 compliance, 30-day free trial, phone support, and email support via QR code.

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

- **Phone Support:** +1 626 688 9296 (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 or on the customer service image for email contact.
- **Online Chat:** You can also reach out viaFacebook Messenger.

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