

Leader Fox 220853

Leader Fox CURTIS X Electric Tricycle User Manual

Model: CURTIS X (220853)

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Leader Fox CURTIS X electric tricycle. Please read this manual thoroughly before using the tricycle to ensure proper understanding and to prevent damage or injury. Keep this manual for future reference.

The Leader Fox CURTIS X is designed for urban and rural use, offering enhanced comfort and stability. It features a 24-inch wheel size, a BAFANG front-wheel motor, a 36V 16.7Ah LG battery, and Shimano Nexus 8-speed gearing.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or death.

- Always wear a helmet that meets local safety standards.
- Perform a pre-ride inspection before each use, checking brakes, tire pressure, and battery charge.
- Obey all local traffic laws and regulations.
- Do not operate the tricycle under the influence of alcohol or drugs.
- Be aware of your surroundings and other road users.
- Avoid riding in adverse weather conditions (heavy rain, snow, ice).
- Ensure the battery is charged in a well-ventilated area, away from flammable materials.
- Do not modify the tricycle or its electrical system.
- The maximum load capacity for the tricycle, including the rider and cargo, must not be exceeded. Refer to specifications.

3. SETUP AND ASSEMBLY

Your Leader Fox CURTIS X tricycle may require some assembly upon arrival. It is recommended that assembly be performed by a qualified bicycle mechanic.

3.1 Unpacking

Carefully remove all components from the packaging. Retain packaging materials for potential future transport or warranty claims. Check for any visible damage during shipping.

3.2 Handlebar Installation

1. Insert the handlebar stem into the fork steerer tube.
2. Align the handlebars straight with the front wheel.
3. Tighten the stem bolts securely to the manufacturer's specified torque.

3.3 Seat Post and Saddle Adjustment

1. Insert the seat post into the frame's seat tube.
2. Adjust the saddle height so that your leg has a slight bend at the knee when the pedal is at its lowest point.
3. Ensure the seat post is inserted beyond the minimum insertion line.
4. Tighten the quick-release or bolt securely.

3.4 Pedal Installation

Note that pedals are left (L) and right (R) specific. The right pedal tightens clockwise, and the left pedal tightens counter-clockwise.

1. Apply a small amount of grease to the pedal threads.
2. Carefully thread the pedals into the crank arms by hand to avoid cross-threading.
3. Tighten firmly with a pedal wrench.

3.5 Battery Installation and Initial Charge

Locate the battery compartment. Insert the battery and ensure it clicks securely into place. Connect the charger to the battery and then to a power outlet. Charge the battery fully before first use. Refer to the battery indicator on the LCD display for charge status.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

To power on the electric system, press and hold the power button on the LCD display for a few seconds. To power off, repeat the process.

4.2 LCD Display Functions

The LCD display provides information such as speed, mileage, battery level, and assistance mode. Use the '+' and '-' buttons to navigate through different display modes and adjust assistance levels.

4.3 Pedal Assist Modes

The BAFANG motor offers 5 levels of pedal assistance. Select the desired level using the display controls. Higher levels provide more motor assistance, while lower levels require more rider effort and conserve battery life.

4.4 Walk Assist Function

The tricycle includes a "WALK" function to assist when pushing the tricycle on foot. Activate this function via the LCD display controls. The motor will provide low-speed assistance.

4.5 Gearing (Shimano Nexus 8-speed)

The Shimano Nexus 8-speed internal gear hub allows for smooth gear changes even when stationary. Use the shifter on the handlebar to select the appropriate gear for your terrain and speed.

4.6 Braking

The tricycle is equipped with front and rear brakes. Apply both brakes simultaneously and smoothly for effective stopping. Avoid sudden, hard braking, especially at high speeds or on loose surfaces.

4.7 Cargo Capacity

The tricycle features a generous rear cargo space. Ensure that any cargo is evenly distributed and securely fastened to prevent shifting during operation. Do not exceed the maximum load capacity specified in the specifications section.

5. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your electric tricycle.

5.1 Cleaning

Clean the tricycle regularly with a damp cloth and mild soap. Avoid using high-pressure washers directly on electrical components, bearings, or seals.

5.2 Tire Pressure

Check tire pressure before each ride. Maintain the recommended pressure (usually indicated on the tire sidewall) for optimal performance, range, and safety.

5.3 Brakes

Regularly inspect brake pads for wear and replace them when necessary. Ensure brake levers are firm and responsive. Adjust brake cables as needed to maintain proper tension.

5.4 Chain and Drivetrain

Keep the chain clean and lubricated. Inspect for wear and replace if stretched. The Shimano Nexus internal gear hub requires minimal maintenance but should be checked periodically by a professional.

5.5 Battery Care

- Charge the battery regularly, even if not in use, to maintain its health.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not fully discharge the battery frequently.
- Use only the original charger provided with the tricycle.

5.6 Fasteners

Periodically check all bolts, nuts, and quick releases for tightness. Loose fasteners can lead to component failure or accidents.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Leader Fox CURTIS X electric tricycle.

Problem	Possible Cause	Solution
Motor not assisting	Battery low or discharged; System not powered on; Assistance level set to zero; Loose electrical connection.	Charge battery; Power on system; Increase assistance level; Check all connections.

Problem	Possible Cause	Solution
Short battery range	Low tire pressure; High assistance level; Heavy load; Headwind; Cold weather; Frequent stops/starts.	Inflate tires to recommended pressure; Use lower assistance levels; Reduce load; Plan routes to avoid headwinds; Ride smoothly.
Brakes feel spongy	Cable stretch; Air in hydraulic system (if applicable); Worn brake pads.	Adjust cable tension; Bleed hydraulic brakes (professional service recommended); Replace brake pads.
Unusual noises	Loose components; Dry chain; Bearing wear; Brake rub.	Inspect and tighten all fasteners; Lubricate chain; Have bearings checked by a professional; Adjust brakes.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact customer support or a qualified service technician.

7. SPECIFICATIONS

Feature	Detail
Model	Leader Fox CURTIS X (220853)
Wheel Size	24 inches
Motor	BAFANG Front Wheel Motor, 36V, 250W nominal, 350W max, 45Nm torque
Battery	LG 36V, 16.7Ah (602 Wh)
Charger	Fast charger, up to 4 Ah
Gearing	Shimano Nexus 8-speed internal gear hub
Frame Material	Aluminum
Fork Travel	50mm
Overall Width	75cm (approx.)
Estimated Range	Up to 50 km (up to 70 km in ideal conditions)
Item Weight	42 kg

8. WARRANTY AND SUPPORT

Your Leader Fox CURTIS X electric tricycle is covered by a manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions, including warranty duration and coverage details. For technical support, service, or warranty claims, please contact your authorized Leader Fox dealer or the customer support provided by Eoshop, the seller. Keep your proof of purchase for warranty validation.
Seller: [Eoshop](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question