Shengmilo Lacros-Cyclone

Shengmilo Lacros-Cyclone 20-inch Electric Bicycle User Manual

Model: Lacros-Cyclone

Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Shengmilo Lacros-Cyclone 20-inch Electric Bicycle. Please read this manual thoroughly before your first ride and retain it for future reference. Understanding your e-bike's features and functions will ensure a safe and enjoyable riding experience.
The Lacros-Cyclone is designed for adults, featuring a powerful 750W brushless motor, a 48V 20AH battery, full suspension, and 20"x4.0" fat tires, making it suitable for various terrains.

Important Safety Warnings

- Always wear a helmet when riding.
- Perform a pre-ride inspection before each use, checking brakes, tires, and battery level.
- Familiarize yourself with local traffic laws and regulations regarding electric bicycles.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions or on slippery surfaces.
- Ensure the battery is securely locked in place before riding.
- Do not modify the e-bike's electrical system or motor.

Setup and Initial Assembly

Your Shengmilo Lacros-Cyclone electric bicycle may require some assembly upon arrival. Follow these general steps for initial setup. Refer to the included assembly guide for detailed instructions specific to your model.

1. **Unpacking:** Carefully remove all components from the packaging. Retain packaging for potential future transport or returns.
2. **Handlebar Installation:** Attach the handlebars to the stem, ensuring they are centered and tightened securely.
3. **Front Wheel Installation:** Install the front wheel, ensuring the quick-release skewer or axle nuts are properly tightened.

4. **Pedal Installation:** Attach the pedals. Note that pedals are typically marked 'L' for left and 'R' for right, and thread in opposite directions.
5. **Seat Post and Saddle:** Insert the seat post into the frame and adjust the saddle height for comfortable riding. Secure with the quick-release lever.
6. **Kickstand Attachment:** If not pre-installed, attach the kickstand using the provided hardware.
7. **Battery Installation:** Insert the 48V 20AH battery into its compartment and ensure it locks securely. Charge the battery fully before first use.
8. **Pre-Ride Checks:** Before your first ride, check tire pressure, brake function, and ensure all bolts and quick releases are tightened.

For a visual guide on product features and initial setup, please watch the video below:

Your browser does not support the video tag.

Video: Lacros Product Introduction. This video provides an overview of the Lacros-Cyclone electric bicycle and its features, which can assist with initial understanding and setup.

Operating Instructions

Powering On/Off

- To power on the e-bike, press and hold the power button on the LCD display for a few seconds.
- To power off, press and hold the power button again until the display turns off.

LCD Display

The LCD display provides information such as speed, battery level, pedal assist level, and odometer readings. Refer to the separate LCD display manual for detailed instructions on its functions and settings.

Riding Modes

The Lacros-Cyclone offers four distinct riding modes:

- **Pure Electric Mode:** Engages the motor fully without pedal input.
- **Classic Bike Mode:** Functions as a traditional bicycle with no motor assistance.
- **Walking Electric Assist Mode:** Provides low-speed motor assistance for walking alongside the bike.
- **Pedal Assist Mode:** The motor provides assistance as you pedal. Adjust the assist level via the LCD display.



Image: Four Riding Modes. This graphic illustrates the different operational modes available on the Lacros-Cyclone electric bicycle.

Gear Shifting

The 7-speed Shimano gear system allows you to adjust your pedaling effort to match terrain and speed. Use the trigger shifters on the handlebars to change gears smoothly. Shift to a lower gear for climbing hills and a higher gear for flat terrain or downhill riding.

Braking

Your e-bike is equipped with 180mm front and rear hydraulic disc brakes for reliable stopping power. Apply both brakes simultaneously for optimal control and shorter stopping distances. Avoid sudden, hard braking, especially at high speeds or on loose surfaces.

Maintenance

Regular maintenance is crucial for the longevity and safe operation of your Shengmilo Lacros-Cyclone e-bike.

- **Battery Care:**
  - Charge the 48V 20AH battery regularly, even when not in use, to maintain its health.
  - Avoid fully discharging the battery.
  - Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
  - Use only the original charger provided with your e-bike.
- **Tires:**
  - Check tire pressure before each ride. The recommended pressure for 20"x4.0" fat tires can vary; consult the tire sidewall for specifics.
  - Inspect tires for wear, cuts, or punctures.
- **Brakes:**
  - Regularly check brake pads for wear and replace them when necessary.
  - Ensure brake levers are firm and responsive. If they feel spongy, the hydraulic system may need bleeding or adjustment by a qualified technician.
- **Chain and Drivetrain:**
  - Keep the chain clean and lubricated to ensure smooth gear changes and prevent wear.

    - Inspect gears and derailleur for proper alignment and function.
- **Suspension:**
    - Periodically check the front suspension fork and DNM rear shock for proper function and adjust settings as needed for your riding style and weight.
- **General Cleaning:**
    - Clean your e-bike with a damp cloth and mild soap. Avoid high-pressure washing, especially near electrical components.
    - Dry thoroughly after cleaning.

Troubleshooting

This section addresses common issues you might encounter with your Lacros-Cyclone e-bike. For more complex problems, consult a professional bicycle technician or contact customer support.

Problem	Possible Cause	Solution
E-bike does not power on.	Battery is not charged or not properly installed. Loose electrical connection.	Ensure battery is fully charged and securely seated. Check all visible electrical connections.
Motor not assisting.	Pedal assist level is set to zero or "Classic Bike Mode". Brake levers are engaged. Faulty sensor.	Increase pedal assist level on the display. Ensure brake levers are fully released. Check for error codes on the display.
Brakes feel weak or spongy.	Worn brake pads. Air in hydraulic lines.	Inspect and replace brake pads if worn. Hydraulic brakes may need bleeding by a professional.
Gears are not shifting smoothly.	Dirty or unlubricated chain. Derailleur misalignment.	Clean and lubricate the chain. Adjust derailleur if necessary (consult a bike shop).

Product Specifications

Below are the key specifications for the Shengmilo Lacros-Cyclone 20-inch Electric Bicycle:



Image: Key Product Specifications. This infographic provides a quick overview of the Lacros-Cyclone's main features and performance metrics.

- **Model:** Lacros-Cyclone
- **Bike Type:** Electric Bicycle
- **Motor:** 750W Brushless Rear Hub Motor (1400W Peak Power)
- **Max Speed:** 28 MPH
- **Battery:** 48V 20AH (960Wh) Removable Lithium-ion, Samsung Cells, UL Certified
- **Charging Time:** 6-8 Hours
- **Riding Range:** 50-60 Miles (depending on assist level, terrain, and rider weight)
- **Tires:** 20" x 4.0" Fat Tires
- **Suspension:** Dual Suspension (Full Suspension Fork & DNM Rear Shock)
- **Brakes:** 180mm Front and Rear Hydraulic Disc Brakes
- **Gears:** Shimano 7-speed Gear Shift System
- **Frame Material:** Aluminum Alloy
- **Maximum Weight Recommendation:** 350 pounds
- **Included Components:** Kickstand
- **Additional Features:** Fenders, Headlight, Odometer



Image: High Performance Removable Battery. This image highlights the specifications and safety features of the e-bike's battery.

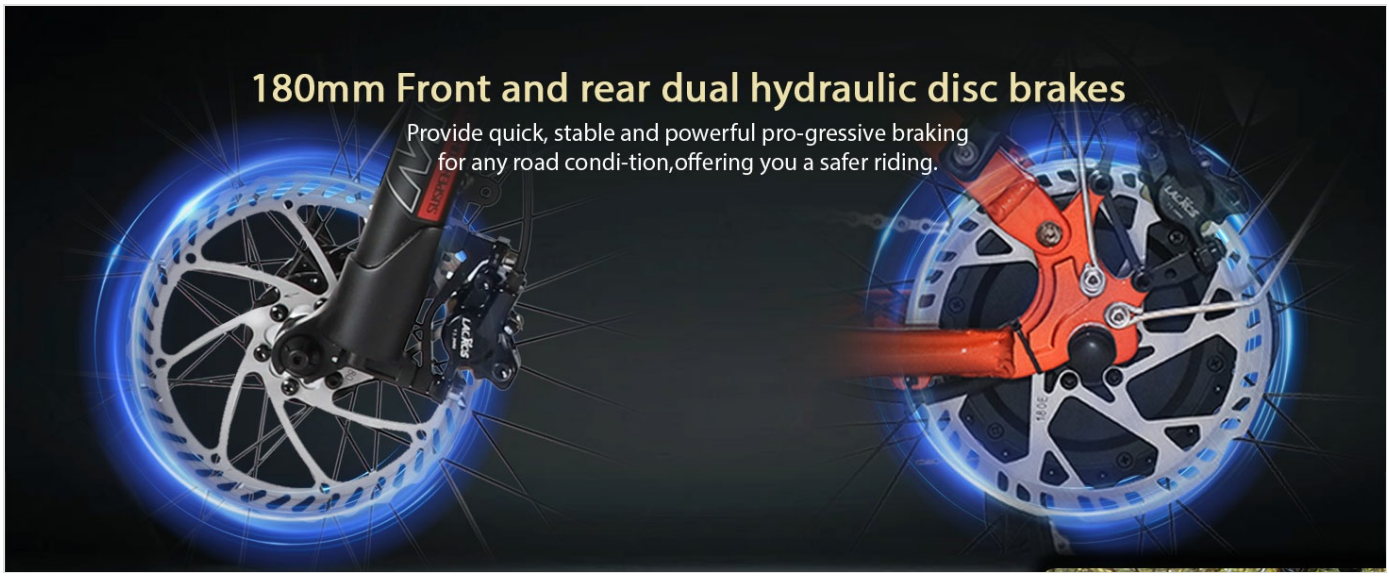


Image: Powerful Brushless Motor. This image details the motor's specifications, including its wattage and maximum speed capabilities.



Image: 20"x4" Fat Tire. This image illustrates the robust fat tires designed for adaptability across different terrains, also showing the front disc brake.

Warranty Information

The Shengmilo Lacros-Cyclone Electric Bicycle comes with a**1-year warranty** from the date of purchase. This warranty covers manufacturing defects in materials and workmanship. It does not cover damage resulting from misuse, accidents, unauthorized modifications, or normal wear and tear.
Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the warranty card included with your product or contact customer support.

Customer Support

If you have any questions, require technical assistance, or need to make a warranty claim, please contact Shengmilo customer support. Contact information can typically be found on the product packaging, the official Shengmilo website, or through your retailer.
When contacting support, please have your model number (Lacros-Cyclone) and proof of purchase readily available to expedite the process.

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

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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