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Geemax DDSLC002

Geemax Electric Tricycle DDSLC002 User Manual

Model: DDSLC002

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your Geemax Electric Tricycle, model DDSLC002. Please read this manual thoroughly before using the tricycle to ensure proper function and to prevent injury or damage.

The Geemax Electric Tricycle is designed for adult use, featuring 20-inch by 4.0-inch fat tires, a 36V 350W motor, and a 13Ah lithium battery. It is suitable for various terrains including urban roads, beaches, and light snow.



Figure 1.1: Geemax Electric Tricycle DDSLC002

This image shows the Geemax Electric Tricycle, model DDSLC002, in white. It features large 20-inch fat tires, a comfortable seat

with a backrest, and a spacious rear cargo basket. The design highlights its robust construction suitable for various terrains.



Figure 1.2: Versatile Terrain Capability

This image demonstrates the tricycle's adaptability to various environments, showcasing it on a paved road, a sandy beach, a snowy path, and a grassy field, emphasizing its fat tire design for multi-terrain use.

2. SAFETY INFORMATION

Your safety is paramount. Adhere to all warnings and instructions in this manual.

- Always wear a helmet and appropriate safety gear when riding.
- Ensure all components are securely fastened before each ride.
- Do not operate the tricycle under the influence of alcohol or drugs.
- Observe all local traffic laws and regulations.
- Avoid riding in adverse weather conditions, such as heavy rain or ice, unless the tricycle is specifically designed and equipped for such conditions.
- The maximum load capacity for this tricycle is 350 lbs (158 kg). Do not exceed this limit.
- Keep hands and feet away from moving parts during operation.
- Regularly inspect brakes, tires, and battery for wear and damage.

3. PACKAGE CONTENTS

Upon unpacking, verify that all components are present and undamaged. If any parts are missing or damaged, contact customer support immediately.

- Geemax Electric Tricycle (partially assembled)
- 36V 13Ah Lithium Battery
- Battery Charger

- Rear Storage Basket
- Assembly Tools
- User Manual

4. COMPONENT IDENTIFICATION

Familiarize yourself with the various parts of your Geemax Electric Tricycle using the diagram below.



Figure 4.1: Tricycle Component Diagram

This image displays a detailed diagram of the Geemax Electric Tricycle, highlighting its key components with numbered labels for easy identification. The diagram includes the rear basket, tail-light, disk brake, valve, seat, battery, controller, spokes, rim, tire, foot pedals, handle grip, LCD display, brake lever, handlebar stem, headlight, and front hub motor. Dimensions are also provided: Length 170cm/67in, Width 71cm/28in, Height 100cm/39in.

1. Rear basket
2. Tail-light
3. Disk brake
4. Valve

5. Seat
6. Battery
7. Controller
8. Spokes
9. Rim
10. Tire
11. Foot pedals
12. Handle grip
13. LCD Display
14. Brake lever
15. Handlebar stem
16. Headlight
17. Front hub motor

5. SETUP AND ASSEMBLY

The Geemax Electric Tricycle arrives approximately 50% assembled. Follow these steps for final assembly.

5.1 Unpacking

- Carefully remove all components from the packaging.
- Place all parts on a clean, flat surface.
- Verify all parts are present against the package contents list.

5.2 Handlebar Installation

1. Loosen the bolts on the handlebar stem.
2. Insert the handlebar into the stem, ensuring it is centered and aligned.
3. Tighten the bolts securely.

5.3 Seat and Backrest Adjustment

Adjust the seat height and backrest for optimal comfort and riding posture.



Figure 5.1: Adjustable Seat and Backrest

This image illustrates the adjustable mechanism for the tricycle's seat and backrest, allowing riders to customize their seating position for comfort and ergonomics.

- Loosen the quick-release lever or bolt for the seat post.
- Adjust the seat to a comfortable height where your feet can touch the ground.
- Securely tighten the quick-release lever or bolt.
- Adjust the backrest angle for lumbar support.

5.4 Rear Basket Attachment

Attach the rear basket to the designated mounting points on the tricycle frame.



Figure 5.2: Rear Storage Basket

This image shows the spacious rear basket of the tricycle, demonstrating its capacity by being filled with various groceries, highlighting its utility for carrying items.

- Align the basket with the mounting holes on the rear frame.
- Use the provided bolts and nuts to secure the basket firmly.
- Ensure the basket is stable and does not wobble.

5.5 Headlight and Taillight Installation

Install the headlight and taillight for improved visibility and safety.



Figure 5.3: Front Headlight

This image focuses on the tricycle's bright LED headlight, demonstrating its illumination capability for nighttime riding or low-light conditions.

- Mount the headlight to the front of the tricycle, typically on the handlebars or front fork.
- Mount the taillight to the rear of the tricycle, usually on the rear fender or basket.

- Connect the lights to the tricycle's electrical system as per the wiring instructions (refer to detailed wiring diagram if provided separately).

5.6 Final Checks

- Ensure all bolts and fasteners are tightened.
- Check tire pressure.
- Test brake functionality.
- Verify the battery is fully charged and properly installed.

6. BATTERY INFORMATION

The Geemax Electric Tricycle is powered by a 36V 13Ah Lithium Battery, UL Certified for safety.

Large Battery

Perfect for commuting to work or running errands

36V 13A
Longer battery life

28-35Miles
Electric range

35-45Miles
Assist rang

UL

Figure 6.1: 36V 13Ah Lithium Battery

This image displays the 36V 13Ah lithium battery pack, highlighting its internal cell structure and UL certification, indicating its safety and quality standards. The battery provides an electric range of 28-35 miles and an assist range of 35-45 miles.

6.1 Charging the Battery

- Connect the charger to a standard wall outlet.
- Connect the charger output to the battery charging port.
- The indicator light on the charger will show the charging status (e.g., red for charging, green for fully charged).
- Do not overcharge the battery. Disconnect the charger once charging is complete.
- Charging time typically ranges from 4-6 hours for a full charge.

6.2 Battery Installation and Removal

- To install: Slide the battery into its designated slot on the tricycle frame until it clicks securely into place. Ensure the battery is locked to prevent theft.
- To remove: Unlock the battery with the provided key, then slide it out of the frame.

7. OPERATING INSTRUCTIONS

7.1 Powering On/Off

- To power on: Press and hold the power button on the LCD display.
- To power off: Press and hold the power button again.

7.2 LCD Display Functions

The LCD display provides real-time information about your ride.



Figure 7.1: LCD Display Interface

This image shows the multi-function LCD display (S866 model) mounted on the handlebars. It clearly indicates current speed, battery level, distance covered, and the selected pedal assist level (0-5). The display also features power and mode buttons.

- **Speed:** Displays current riding speed.
- **Battery Level:** Indicates remaining battery charge.
- **Distance:** Shows trip distance or total odometer reading.
- **Pedal Assist Level:** Displays the current assist level (0-5).

7.3 Riding Modes and Speed Assist

Your tricycle offers three riding modes and five levels of pedal assist.



Figure 7.2: Speed Assist Controls

This close-up image shows the LCD display and the control buttons (+, -, power) on the handlebar, used to adjust the pedal assist level from 1 to 5, and to power the system on or off.

- **Electric Tricycle Mode (e-trike):** Provides full motor power without pedaling.
- **Assisted Tricycle Mode:** The motor provides assistance as you pedal. Use the '+' and '-' buttons on the display to adjust the assist level from 1 (minimal assistance) to 5 (maximum assistance).
- **Normal Tricycle Mode:** The motor is off, and you pedal manually like a traditional tricycle.

7.4 Braking System

The tricycle is equipped with disc brakes for reliable stopping power.



Figure 7.3: Disc Brake System

This image provides a close-up view of the disc brake system on the tricycle's wheel, showing the rotor and caliper mechanism, which ensures effective and responsive braking.

- Squeeze the brake levers on the handlebars to engage the brakes.
- Apply both front and rear brakes simultaneously for balanced stopping.
- Avoid sudden, hard braking, especially at high speeds or on slippery surfaces.

8. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your tricycle.

8.1 Cleaning

- Wipe down the frame with a damp cloth. Avoid using high-pressure washers directly on electrical components.
- Clean the chain and lubricate it regularly.

8.2 Tire Care

- Maintain recommended tire pressure (refer to tire sidewall for specifications).
- Inspect tires for wear, punctures, or damage before each ride.
- The 4-inch wide fat tires provide excellent traction across various terrains.

8.3 Brake Inspection

- Check brake pads for wear and replace them if necessary.
- Ensure brake levers are responsive and cables are not frayed.

8.4 Battery Care

- Store the battery in a cool, dry place when not in use.
- Charge the battery at least once every two months, even if not used, to maintain its health.
- Avoid fully discharging the battery frequently.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tricycle does not power on	Battery not charged or improperly installed; loose electrical connection.	Ensure battery is fully charged and securely seated. Check all visible connections.
Motor not assisting	Pedal assist level set to 0; brake levers engaged; motor or controller issue.	Increase pedal assist level on LCD. Release brake levers. If problem persists, contact support.
Brakes feel weak	Worn brake pads; loose brake cables; air in hydraulic system (if applicable).	Inspect and replace brake pads. Adjust brake cable tension. Consult a professional for hydraulic brake issues.
Unusual noises during riding	Loose components; dry chain; tire rubbing.	Check all fasteners. Lubricate chain. Inspect for tire rubbing against frame or fenders.

10. SPECIFICATIONS

Detailed technical specifications for the Geemax Electric Tricycle DDSLC002.

Recommend Height

5'2" - 6'4"Max



98cm / 38.5in

78cm / 30.5in

Load Capacity
Max. 350 lbs

N.W./G.W
90 lbs / 100 lbs

Figure 10.1: Rider Height and Load Capacity

This image illustrates the recommended rider height range of 5'2" to 6'4" and the maximum load capacity of 350 lbs for the Geemax Electric Tricycle. It also shows the adjustable seat height from 30.5 inches to 38.5 inches.



Figure 10.2: Tricycle Dimensions

This image provides the overall dimensions of the tricycle: Length 170cm (67in), Height 100cm (39in), and Width 71cm (28in). It also reiterates the recommended rider height and maximum load capacity.

Feature	Specification
Model Name	DDSLC002
Bike Type	Electric Tricycle
Age Range	Adult
Motor	36V 350W Brushless High-Speed Motor
Battery	36V 13Ah Lithium Battery (UL Certified)
Max Speed	Up to 20 mph (32 km/h)
Range (Assist Mode)	Up to 40 miles (64 km)
Range (Electric Mode)	Up to 28 miles (45 km)
Tires	20" x 4.0" Puncture-Resistant Fat Tires
Frame Material	Carbon Steel / Alloy Steel
Brake Style	Disc Brakes
Suspension Type	Rigid
Number of Speeds	20 (implied by product data, likely referring to gear combinations or assist levels)

Feature	Specification
Special Feature	LCD Display
Included Components	Basket
Max Load Capacity	350 lbs (158 kg)
Recommended Rider Height	5'2" - 6'4"
UPC	760762256946

11. WARRANTY AND SUPPORT

11.1 Warranty Information

The Geemax Electric Tricycle DDSLC002 comes with a One Year Warranty from the date of purchase. This warranty covers manufacturing defects in materials and workmanship. It does not cover damage due to misuse, accidents, normal wear and tear, or unauthorized modifications.

11.2 Customer Support

For technical assistance, warranty claims, or replacement parts, please contact Geemax customer support. Refer to your purchase documentation for specific contact details or visit the official Geemax website.