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› Geemax Electric Tricycle DDSLC002 User Manual: 20-inch Fat Tire 3-Wheel Electric Bicycle

Geemax DDSLC002

Geemax Electric Tricycle DDSLC002 User Manual

Model: DDSLC002 | Brand: Geemax

1. INTRODUCTION AND SAFETY GUIDELINES

This manual provides essential information for the safe operation, assembly, and maintenance of your Geemax Electric Tricycle. Please read it thoroughly before your first ride and keep it for future reference. Failure to follow these instructions may result in serious injury or product damage.

1.1 General Safety Warnings

- 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 limit of 350 lbs (158 kg).
- Adhere to local traffic laws and regulations.
- Avoid riding in adverse weather conditions, such as heavy rain or snow, if visibility is poor.
- Keep hands and feet away from moving parts.
- Do not modify the tricycle or its components, as this may compromise safety and void the warranty.

2. PRODUCT OVERVIEW AND COMPONENTS

The Geemax Electric Tricycle is designed for adult use, featuring a robust carbon steel frame and 20" x 4.0" fat tires suitable for various terrains. It includes a 36V 350W brushless motor and a 13Ah UL Certified lithium battery for assisted riding.



Figure 2.1: Geemax Electric Tricycle, showcasing its overall design with fat tires and rear basket.

2.1 Key Components



- | | | |
|----------------|-----------------|---------------------|
| 1. Rear basket | 7. Controller | 13. LCD Display |
| 2. Tail-light | 8. Spokes | 14. Brake lever |
| 3. Disk brake | 9. Rim | 15. Handlebar stem |
| 4. Valve | 10. Tyre | 16. Headlight |
| 5. Seat | 11. Foot pedals | 17. Front hub motor |
| 6. Battery | 12. Handle grip | |

L: 170cm/67in

W: 71cm/28in

H: 100cm/39in

Figure 2.2: Labeled diagram of the Geemax Electric Tricycle's main parts.

1. **Rear Basket:** For carrying cargo, up to 2.3 cubic feet capacity.
2. **Tail-light:** Enhances visibility from the rear.
3. **Disk Brake:** Rear disc brakes for effective stopping power.
4. **Valve:** Tire valve for inflation.
5. **Seat:** Adjustable seat with backrest for comfort.
6. **Battery:** 36V 13Ah UL Certified lithium battery, removable.
7. **Controller:** Manages electric power to the motor.
8. **Spokes:** Wheel support structure.
9. **Rim:** Outer edge of the wheel.
10. **Tyre:** 20" x 4.0" fat tire.
11. **Foot Pedals:** For manual propulsion.
12. **Handle Grip:** For steering and control.
13. **LCD Display:** Shows speed, battery level, distance, and pedal assistance.
14. **Brake Lever:** Controls the disc brakes.

15. **Handlebar Stem:** Connects handlebars to the fork.
16. **Headlight:** Front illumination for visibility.
17. **Front Hub Motor:** 350W brushless DC motor.



Figure 2.3: Detailed views of key features such as the headlight, fat tires, and basket.

3. SETUP AND ASSEMBLY

Your Geemax Electric Tricycle arrives approximately 50% assembled. The package includes necessary tools, detailed instructions, and an installation video guide to assist with the remaining assembly. It is recommended to follow these resources carefully to ensure correct and safe assembly.

3.1 Initial Steps

- Unpack all components and verify against the packing list.
- Refer to the included assembly instructions and video guide for step-by-step procedures.
- Ensure all bolts, nuts, and quick-release levers are tightened to the manufacturer's specifications.

- Inflate tires to the recommended pressure (check tire sidewall for details).
- Charge the battery fully before the first use.

4. OPERATING INSTRUCTIONS

The Geemax Electric Tricycle offers multiple riding modes and assist levels for a customizable experience.

4.1 Battery Charging

- The 36V 13Ah lithium battery is removable for convenient charging.
- Connect the charger to a standard household outlet and then to the battery charging port.
- The charging indicator on the charger will show the charging status. Disconnect once fully charged.
- A full charge provides an assist range of up to 40 miles or an electric-only range of up to 28 miles.



Figure 4.1: The 36V 13Ah UL Certified lithium battery, highlighting its capacity and range.

4.2 LCD Display and Controls

The integrated LCD display provides real-time information and allows you to customize your ride.



Figure 4.2: The LCD display showing current speed, battery level, and pedal assist level.

- **Power Button:** Press and hold to turn the display and tricycle power on/off.
- **"+" and "-" Buttons:** Adjust pedal assist levels (0-5) or navigate menu options.
- **Information Displayed:** Speed (km/h or mph), battery level, distance covered, and current pedal assist level.

4.3 Riding Modes

- **Normal Tricycle Mode:** Ride without electric assistance, using pedals only.
- **Assisted Tricycle Mode (Pedal Assist):** The motor provides assistance as you pedal. Choose from 5 assist levels via the LCD display.
- **Electric Tricycle Mode (Throttle Only):** Use the throttle to propel the tricycle without pedaling. The top speed in this mode is 20 mph.

5. MAINTENANCE

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

5.1 General Care

- **Cleaning:** Wipe the frame with a damp cloth. Avoid high-pressure washing directly on electrical components. The tricycle has an IPX5 water resistance rating, meaning it can withstand low-pressure water jets from any direction, but should not be submerged.
- **Tires:** Regularly check tire pressure and for any signs of wear or damage.
- **Brakes:** Inspect brake pads and discs for wear. Adjust brake levers for optimal stopping power. Hydraulic 180mm front and 2 rear disc brakes are equipped.
- **Chain:** Keep the chain clean and lubricated.
- **Fasteners:** Periodically check all bolts, nuts, and screws for tightness.

5.2 Battery Care

- Store the battery in a cool, dry place when not in use.
- Avoid fully discharging the battery frequently. Charge it regularly, even if not used for extended periods.
- Use only the original charger provided with the tricycle.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Tricycle does not power on.	Battery is not charged or not properly connected.	Ensure battery is fully charged and securely seated. Check all electrical connections.
Motor assistance is weak or non-existent.	Low battery charge, incorrect assist level, or sensor issue.	Charge the battery. Increase pedal assist level on the LCD display. Check for any loose sensor cables.
Brakes feel spongy or ineffective.	Brake pads worn, cable stretched, or hydraulic system issue.	Inspect brake pads and replace if worn. Adjust brake cable tension. For hydraulic issues, consult a professional.
Unusual noises during operation.	Loose components, dry chain, or bearing issue.	Check all fasteners for tightness. Lubricate the chain. If noises persist, inspect bearings or consult support.

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

7. SPECIFICATIONS

Detailed technical specifications for the Geemax Electric Tricycle DDSLC002.

- **Model:** DDSLC002
- **Motor:** 350W Brushless DC Motor (Front Hub)
- **Battery:** 36V 13Ah UL Certified Lithium Battery
- **Assist Range:** Up to 40 miles (64 km) on a single charge
- **Electric-only Range:** Up to 28 miles (45 km) on a single charge
- **Top Speed:** 20 mph (32 km/h)
- **Weight Limit:** Up to 350 lbs (158 kg)
- **Frame:** Durable Carbon Steel
- **Dimensions (L x W x H):** 76" x 32" x 45" (193 cm x 81 cm x 114 cm)
- **Item Weight:** 90 lbs (40.8 kg)
- **Tire Size:** 20" x 4.0" Fat Tires
- **Lighting:** Headlight and two Taillights
- **Brakes:** Hydraulic 180mm Front Disc Brake, 2 Rear Disc Brakes

- **Cargo Capacity:** Up to 2.3 cubic feet
- **Special Features:** LCD Display, IPX5 Water Resistance
- **Recommended Rider Height:** 5'2" - 6'4" (157 cm - 193 cm)

Recommend Height

5'2" - 6'4"Max



Load Capacity
Max. 350 lbs

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



Figure 7.1: Recommended rider height and maximum load capacity.

8. WARRANTY AND SUPPORT

Geemax provides warranty coverage and customer support for your electric tricycle.

8.1 Warranty Information

A **1-year warranty** is provided on the electric motor, battery, and charger from the date of purchase. This warranty covers manufacturing defects under normal use. It does not cover damage resulting from misuse, accidents, unauthorized modifications, or normal wear and tear.

8.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your Geemax Electric Tricycle, please refer to the contact information provided with your purchase documentation or visit the official Geemax website.

When contacting support, please have your model number (DDSLC002) and proof of purchase readily available.

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