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cozytrikes Freedom-Cycle (ELECTRIC WHEELCHAIR-CYCLE)

Electric Wheelchair-Cycle Motor Attachment - Power Assist User Manual

Model: Freedom-Cycle (ELECTRIC WHEELCHAIR-CYCLE)
Brand: cozytrikes

1. Introduction

Welcome to the user manual for your new cozytrikes Electric Wheelchair-Cycle Motor Attachment. This device is designed to transform a standard manual wheelchair into a high-speed motorized mobility solution, enhancing independence and mobility. Please read this manual thoroughly before operating the device to ensure safe and efficient use.

2. Safety Information

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

- Always ensure the attachment is securely fastened to the wheelchair before operation.
- Do not exceed the recommended speed limits for your environment.
- Regularly inspect the brakes and tires for wear and tear.
- Avoid operating in extreme weather conditions or on excessively steep inclines.
- Keep hands and clothing clear of moving parts.
- Consult a healthcare professional regarding suitability for use if you have any medical conditions.
- The intelligent assistant system with magnetic technology and high-tech alloy suspension is designed for enhanced safety, but user vigilance is always required.

3. Product Features

The cozytrikes Electric Wheelchair-Cycle Motor Attachment offers several advanced features:

- **Effortless Conversion:** Transforms manual wheelchairs into motorized units.
- **Enhanced Speed and Range:** Capable of speeds up to 12 mph and a range of over 15 miles (24 km) on a single charge.
- **Powerful and Quiet Operation:** Features a potent and quiet hub motor designed to handle inclines with ease.

- **User-Friendly Design:** Engineered for maneuverability and easy control, reducing strain on the user.
- **Intelligent Safety Features:** Incorporates a magnetic technology assistant system, high-tech alloy suspension, and a quick-release mechanism for superior safety.



Figure 3.1: Front view of the cozytrikes Electric Wheelchair-Cycle Motor Attachment, showcasing the wheel, motor housing, and handlebars. This image highlights the compact and robust design of the power assist unit.

4. Setup and Installation

This section outlines the steps for attaching the motor unit to your manual wheelchair.

1. **Unpacking:** Carefully remove all components from the packaging. Verify all parts are present against the packing list.
2. **Initial Charge:** Before first use, fully charge the battery. Connect the charger to the charging port on the motor unit and then to a standard electrical outlet. The charging indicator will show progress.
3. **Attaching to Wheelchair:**
    - Position the wheelchair on a flat, stable surface.
    - Align the attachment mechanism of the motor unit with the front frame of your manual wheelchair.
    - Engage the quick-release mechanism to secure the motor unit firmly to the wheelchair frame. Ensure an audible click or visual indicator confirms proper locking.
    - Verify that the attachment is stable and does not wobble.
4. **Handlebar Adjustment:** Adjust the handlebars to a comfortable height and angle for the user. Tighten all adjustment clamps securely.
5. **Brake Check:** Test the TEKTRO Disc brake system to ensure it is fully functional before operation.



Figure 4.1: Side view of the cozytrikes Electric Wheelchair-Cycle Motor Attachment, illustrating the attachment points and the overall profile when detached from a wheelchair. This view emphasizes the compact design and the stand for stability.

5. Operating Instructions

Follow these steps for safe and effective operation of your Electric Wheelchair-Cycle.

1. **Power On:** Locate the power button, typically on the handlebar console or battery pack, and press it to turn on the unit.
2. **Speed Control:** Use the throttle control (twist grip or thumb lever) to adjust your speed. Start at a low speed and gradually increase as you become comfortable.
3. **Steering:** Steer the unit using the handlebars. The maneuverable design allows for easy direction control, even on side slopes.
4. **Braking:** Apply the hand brake (TEKTRO Disc brake) gently to slow down or stop. For emergency stops, apply the brake firmly.
5. **Monitoring Battery:** Keep an eye on the battery indicator. Recharge the unit when the battery level is low to avoid unexpected power loss.
6. **Power Off:** When finished, press the power button again to turn off the unit.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your device.

- **Cleaning:** Wipe down the unit with a damp cloth. Do not use abrasive cleaners or submerge any part in water.
- **Battery Care:**
    - Charge the battery regularly, even if not in frequent use, to maintain battery health.
    - Store the unit in a cool, dry place when not in use.
    - Avoid fully discharging the battery frequently.
- **Tire Pressure:** Check tire pressure periodically and inflate to the recommended PSI (refer to tire sidewall for specifications).
- **Brake Inspection:** Inspect brake pads and cables for wear. Adjust or replace as necessary.
- **Fasteners:** Periodically check all bolts, nuts, and quick-release mechanisms to ensure they are tight and secure.
- **Professional Service:** For complex repairs or issues, contact qualified service personnel.

7. Troubleshooting

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Unit does not power on.	Battery is discharged or not connected.	Charge the battery. Ensure battery is properly seated and connected.
Motor is weak or not engaging.	Low battery, loose connection, or motor issue.	Recharge battery. Check all electrical connections. If problem persists, contact support.
Brakes are not effective.	Worn brake pads, loose cable, or disc issue.	Inspect brake pads and disc. Adjust brake cable tension. Replace worn components.
Unusual noises during operation.	Loose components, foreign object, or internal motor issue.	Inspect for loose parts or obstructions. If noise persists, discontinue use and contact support.

8. Specifications

Key technical specifications for the cozytrikes Electric Wheelchair-Cycle Motor Attachment:

- **Model Name:** Freedom-Cycle
- **Item Model Number:** ELECTRIC WHEELCHAIR-CYCLE
- **Brand:** cozytrikes
- **Manufacturer:** Mobilityscootrike.com
- **Color:** Sliver
- **Brake Style:** Hand brake, TEKTRO Disc brake
- **ASIN:** B0CS4F6ZKF
- **Date First Available:** January 11, 2024
- **Maximum Speed:** Approximately 12 mph (19 km/h)
- **Range:** Over 15 miles (24 km) on a single charge
- **Motor Type:** Potent and quiet hub motor

9. Warranty Information

This product comes with a standard manufacturer's warranty. For specific details regarding warranty coverage, duration, and claims process, please refer to the warranty card included with your purchase or visit the official cozytrikes website. *Note: Statements regarding dietary supplements have not been evaluated by the FDA and are not intended to diagnose, treat, cure, or prevent any disease or health condition. This disclaimer is provided as per product information.*

10. Customer Support

For technical assistance, spare parts, or any inquiries not covered in this manual, please contact cozytrikes customer support.

- **Manufacturer:** Mobilityscootrike.com
- **Seller:** MobilityLife (via Amazon)
- **Online Support:** Refer to the official cozytrikes website or your purchase platform for contact details.

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