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Ecomobi MS02 PLUS

Ecomobi MS02 PLUS Heavy Duty Mobility Scooter User Manual

Model: MS02 PLUS

Introduction

This manual provides essential information for the safe operation, maintenance, and care of your Ecomobi MS02 PLUS Heavy Duty Mobility Scooter. Please read this manual thoroughly before using your scooter to ensure proper function and to prevent injury or damage.

Key Features

- **Extended Range & Heavy Duty Performance:** Equipped with a 25AH lithium battery and 500W motor, offering up to 20 miles of range and supporting up to 450 lbs.
- **Unique Windshield Design:** Features a front windbreak safety plate with extra storage compartments and a cane stand with a rear basket.
- **Full Lighting System:** Includes front/rear turn signals, daytime running lights, and a night driving mode for enhanced visibility.
- **All-Terrain Capability:** 10-inch tires and 4.5-inch ground clearance allow for navigation over various surfaces like grass, gravel, and ramps.
- **Customizable Comfort & Easy Transport:** Adjustable seat height, 360° swivel, flip-up armrests, and tilting tiller. The scooter disassembles for transport in most SUV trunks.
- **Simple Intuitive Controls:** Clearly labeled buttons for speed, lights, horn, and turn signals.



Figure 1: Ecomobi MS02 PLUS Mobility Scooter highlighting dimensions and key features like 450 lbs capacity and GPS tracker.



Figure 2: The Ecomobi MS02 PLUS Mobility Scooter offers extended range with its 25AH/35AH lithium battery, providing 20-30 miles of travel and a 450 lbs capacity.

Safety Information

Your safety is paramount. Always adhere to the following guidelines:

- Always read and understand the entire manual before operating the scooter.
- Perform a pre-operation check before each use, including battery level, tire pressure, and brake function.
- Do not exceed the maximum weight capacity of 450 lbs.
- Operate the scooter at a safe speed, especially in crowded areas or on uneven terrain.
- Use the full lighting system (headlights, turn signals) for visibility, particularly in low-light conditions.
- Avoid operating the scooter under the influence of alcohol or medication that may impair your judgment.

- Be aware of your surroundings and potential obstacles.
- The scooter is equipped with cut-off protection for safety; understand its function.

Legal Disclaimer

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 product is a mobility aid and should be used as intended.

Setup and Assembly

The Ecomobi MS02 PLUS is designed for ease of transport and may require minor assembly or unfolding upon receipt. Follow these general steps:

1. **Unpacking:** Carefully remove all components from the packaging. Retain packaging for future transport or storage.
2. **Seat Installation:** Attach the seat securely to the scooter base. Ensure it clicks into place or is fastened according to the specific instructions provided with your unit.
3. **Tiller Adjustment:** Adjust the tiller (handlebar column) to a comfortable height and angle. Ensure all locking mechanisms are engaged.
4. **Battery Installation/Charging:** If the battery is separate, install it into its compartment. Fully charge the battery before first use. Refer to the charging section for details.
5. **Accessory Attachment:** Attach the rear basket and any other accessories as needed.



Figure 3: The Ecomobi MS02 PLUS Mobility Scooter can be disassembled for easy transport in most SUV trunks. It is recommended that two people lift the scooter for safety.

Folding for Transport

The MS02 PLUS can be folded for easier transport. While specific folding mechanisms may vary, generally:

- Ensure the scooter is powered off.
- Remove any detachable accessories like the basket.
- Follow the instructions for collapsing the seat and tiller.
- Engage any folding latches or levers to secure the scooter in its folded position.

Video 1: This video demonstrates the folding mechanism of a similar Ecomobi mobility scooter (MS02-F), which can be used as a reference for transporting your MS02 PLUS.

Operating Instructions

Control Panel Overview



Figure 4: The control panel features clearly labeled buttons for easy operation, including battery level indicator, speed control, power switch, headlight switch, horn, and turn signals.

- **Power Switch:** Turns the scooter on/off.
- **Battery Level Indicator:** Displays the current battery charge.
- **Speed Control Dial:** Adjusts the maximum speed of the scooter.
- **Forward/Backward Lever:** Push to move forward, pull to move backward.
- **Headlight Switch:** Activates the front headlight.
- **Horn Button:** Sounds the horn.
- **Left/Right Turn Signal Buttons:** Activates the respective turn signals.

Driving Your Scooter

1. **Starting:** Insert the key into the ignition and turn it to the 'ON' position. The battery indicator will light up.
2. **Adjusting Speed:** Use the speed control dial to set your desired maximum speed. Start with a low speed until you are comfortable.
3. **Moving Forward/Backward:** Gently press the forward lever to move forward or pull the backward lever to reverse. Release the lever to engage the electromagnetic brake.
4. **Steering:** Use the tiller to steer the scooter. Turn signals can be activated for directional changes.
5. **Braking:** The scooter features an electromagnetic brake that engages automatically when the drive lever is released. For immediate stopping, fully release the lever.

Video 2: This video provides an overview of the Ecomobi MS02 PLUS, demonstrating its features and general operation.



Figure 5: The MS02 PLUS is designed to conquer various terrains with ease, including grass, gravel, and ramps, thanks to its 10-inch tires and 4.5-inch ground clearance.



Figure 6: Customize your comfort with adjustable seat height, 360° swivel, and flip-up armrests for an optimal riding experience.



Figure 7: The unique windshield design provides enhanced comfort and includes additional storage compartments and a cane stand with a rear basket.



Figure 8: All Ecomobi mobility scooters come with a GPS tracker, allowing you to locate your scooter quickly and providing peace of mind for caregivers.

Maintenance

Regular maintenance ensures the longevity and safe operation of your Ecomobi MS02 PLUS Mobility Scooter.

- **Battery Care:** Charge the battery fully after each use. Avoid completely draining the battery. If storing the scooter for an extended period, charge the battery at least once a month.
- **Tire Inspection:** Regularly check tire pressure and for any signs of wear or damage. Maintain recommended tire pressure for optimal performance and safety.
- **Cleaning:** Clean the scooter regularly with a damp cloth. Avoid using harsh chemicals or excessive water, which can damage electronic components.
- **General Inspection:** Periodically check all nuts, bolts, and fasteners to ensure they are tight. Inspect cables and connections for wear or damage.
- **Storage:** Store the scooter in a dry, cool place away from direct sunlight and extreme temperatures.

Troubleshooting

If you encounter issues with your Ecomobi MS02 PLUS, refer to the following common troubleshooting steps:

- **Scooter does not power on:**
  - Ensure the key is fully inserted and turned to the 'ON' position.
  - Check if the battery is properly connected and fully charged.
  - Verify that the circuit breaker (if present) has not tripped.
- **Scooter moves slowly or loses power:**
  - The battery may be low; recharge it fully.
  - Check the speed control dial setting; it might be set to a lower speed.
  - Ensure you are not exceeding the maximum weight capacity or attempting to climb a very steep incline.
- **Brakes are not engaging properly:**
  - Ensure the drive lever is fully released. The electromagnetic brake should engage automatically.
  - If issues persist, contact customer support.

For issues not covered here, please contact Ecomobi customer support.

Specifications

Feature	Specification
Product Dimensions	53 x 19.6 x 41.3 inches
Item Weight	140.43 pounds (63.7 kg)

Feature	Specification
Item Model Number	MS02 PLUS
Maximum Weight Recommendation	450 lbs (205 kg)
Maximum Speed	9 miles per hour
Battery Capacity	25 amp-hours
Power Source	Battery Powered
Wheel Size	10 inches
Ground Clearance	4.5 inches
Brake Style	Electromagnetic
Seat Width	18 inches
Seat Height	25.5 inches
Seat Depth	16.5 inches
Material Type	Aluminum
Frame Material	Aluminum
Color	Red

Warranty Information

Ecomobi provides a limited warranty for the MS02 PLUS Mobility Scooter. Please refer to the warranty card included with your purchase for specific terms, conditions, and duration of coverage. Keep your proof of purchase for warranty claims.

Customer Support

For any questions, technical assistance, or service inquiries regarding your Ecomobi MS02 PLUS Mobility Scooter, please contact our customer support team:

Email Service: ECOMOBICLUB@OUTLOOK.COM (Available 7 days a week, 24 hours a day)

Telephone Support: +1 (833) 866-8282 (Available Monday-Friday, 9 AM-6 PM EST)



Figure 9: Ecomobi customer support details for assistance.

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