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Ecomobi MS02 MAX

Ecomobi MS02 MAX All-Terrain Electric Mobility Scooter User Manual

Model: MS02 MAX

1. Introduction

Welcome to your Ecomobi MS02 MAX All-Terrain Electric Mobility Scooter. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new mobility device. Please read this manual thoroughly before operating the scooter.

The MS02 MAX is designed for adults and seniors, featuring a powerful 1000W motor and a 960Wh battery, offering a top speed of 15 MPH and an extended range of up to 32 miles. It is built to handle various terrains with a 20° climbing ability and robust suspension.



Ecomobi MS02 MAX Mobility Scooter, front-side view.

2. Safety Information

General Safety Guidelines

- Always wear a safety belt when operating the scooter.
- Ensure all lights and signals are functional before each use.
- Do not exceed the maximum weight capacity of 500 lbs.
- Exercise caution on inclines and uneven surfaces.
- Regularly inspect tires and brakes.
- Avoid operating the scooter under the influence of alcohol or medication that impairs judgment.

Safety Features

- **Rearview Mirrors:** For improved visibility of your surroundings.
- **Turn Signals & Warning Tail Light:** Enhance visibility and communication with others.

- **Bright Headlights:** For safe operation in low-light conditions.
- **Robust Suspension System:** Absorbs shocks for a smoother and more stable ride.
- **Electromagnetic Brakes:** Provide reliable and immediate stopping power upon release of controls.
- **Auxiliary Wheels:** Offer added stability, especially on uneven terrain.
- **Ground Clearance:** 11cm ground clearance allows navigation over minor obstacles.
- **Mode Switch:** Allows adjustment of driving settings for different environments.



Safety features of the Ecomobi MS02 MAX Mobility Scooter.

3. Product Overview

The Ecomobi MS02 MAX mobility scooter is equipped with several features designed for comfort, convenience, and safety. Familiarize yourself with the key components before operation.

Key Components

- **Adjustable Seat:** Fully customizable for ideal size and posture, with premium cushioning, 360° swivel, forward/backward slide, adjustable armrest width, reclining seat back, and adjustable headrest.
- **Tiller:** Houses the control panel with indicators, speed control, and key features.
- **Wheels:** 13.78" x 1.94" pneumatic rear wheels for superior traction and durability.
- **Motor:** Powerful 1000W motor for robust performance.
- **Battery:** High-capacity 960Wh battery for extended range.
- **Storage:** Includes extra-large storage compartments, such as a front compartment and a removable rear basket.
- **Charging:** Convenient USB charging port for personal devices.
- **Lighting System:** Integrated LED headlights, turn signals, and tail light.
- **Bluetooth Speaker:** Built-in for audio playback.



Key features and capabilities of the Ecomobi MS02 MAX Mobility Scooter.



Storage and charging solutions on the Ecomobi MS02 MAX.

4. Setup

The MS02 MAX is designed for effortless setup, arriving largely pre-assembled. Follow these steps to prepare your scooter for its first use:

1. **Unboxing:** Carefully remove the scooter from its packaging. The scooter is delivered fully assembled, requiring no complex tools or assembly.

2. **Battery Connection:** Ensure the battery is securely connected. Refer to the battery compartment for specific instructions if needed.
3. **Key Insertion:** Insert the key into the ignition.
4. **Initial Charge:** For optimal performance and battery longevity, fully charge the battery before the first use.

Your browser does not support the video tag.

This video demonstrates the initial setup and basic operating procedures for the Ecomobi MS02 MAX Mobility Scooter.

5. Operating Instructions

Starting the Scooter

1. Insert the key and turn it to the 'ON' position.
2. Check the battery indicator to ensure sufficient charge.
3. Adjust the seat, armrests, and headrest for comfort and proper posture before driving.

Driving Controls

The scooter features intuitive controls on the tiller:

- **Forward Movement:** Gently push the right handlebar forward.
- **Reverse Movement:** Gently pull the left handlebar towards your body.
- **Steering:** Turn the tiller left or right to steer the scooter.
- **Braking:** Release the handlebars to engage the electromagnetic brakes. The scooter will automatically stop smoothly.
- **Speed Adjustment:** Use the speed control dial on the tiller to set your desired maximum speed.

Safety Features in Operation

- **Turn Signals:** Activate turn signals using the switch on the tiller before changing direction or turning.
- **Headlights:** Turn on headlights for enhanced visibility in low light conditions or at night.
- **Horn:** Use the horn to alert pedestrians or other vehicles of your presence.

Bluetooth Speaker Operation

To connect your mobile device to the built-in Bluetooth speaker, navigate to your device's Bluetooth settings and select "MS02 MAX" from the list of available devices. A successful connection will be indicated on your device.



Bluetooth connectivity for the Ecomobi MS02 MAX Mobility Scooter.

Your browser does not support the video tag.

This video showcases the Ecomobi MS02 MAX Mobility Scooter in various outdoor settings, demonstrating its maneuverability and performance.

6. Maintenance

Regular maintenance is crucial for ensuring the longevity, safety, and optimal performance of your Ecomobi MS02 MAX

scooter.

Battery Care

- Charge the battery regularly, especially after extended use, to maintain its health.
- Avoid fully discharging the battery to prolong its lifespan.
- Store the scooter in a cool, dry place when not in use, and ensure the battery is charged to at least 50% if storing for long periods.

Tire Inspection

- Check tire pressure periodically and inflate to the recommended levels specified in the specifications section or on the tire sidewall.
- Inspect tires for signs of wear, punctures, or damage before each ride.

General Cleaning

- Wipe down the scooter with a damp cloth. Avoid using harsh chemicals or abrasive cleaners that could damage the finish.
- Keep electrical components and charging ports dry.

Brake System

- Ensure the electromagnetic brakes engage smoothly and effectively every time you release the controls.
- If you notice any issues with braking performance, such as delayed response or grinding noises, contact customer support immediately.

7. Troubleshooting

This section addresses common issues you might encounter with your MS02 MAX scooter. For problems not listed here, please contact customer support.

Scooter Does Not Power On

- **Check Battery:** Ensure the battery is fully charged and properly connected.
- **Key Position:** Verify the key is fully inserted and turned to the 'ON' position.
- **Circuit Breaker:** Check if the circuit breaker has tripped. Reset it if necessary.

Reduced Range or Speed

- **Battery Charge:** The battery may not be fully charged or is nearing the end of its life cycle. Ensure it is charged as per maintenance guidelines.
- **Tire Pressure:** Low tire pressure can significantly affect performance. Check and inflate tires to the correct pressure.
- **Weight Load:** Ensure the scooter is not overloaded beyond its 500 lbs capacity.

Unusual Noises

- **Loose Components:** Inspect for any loose bolts or parts. Tighten as needed.
- **Motor/Wheel Issues:** If unusual noises persist after checking for loose parts, contact customer support for further assistance.

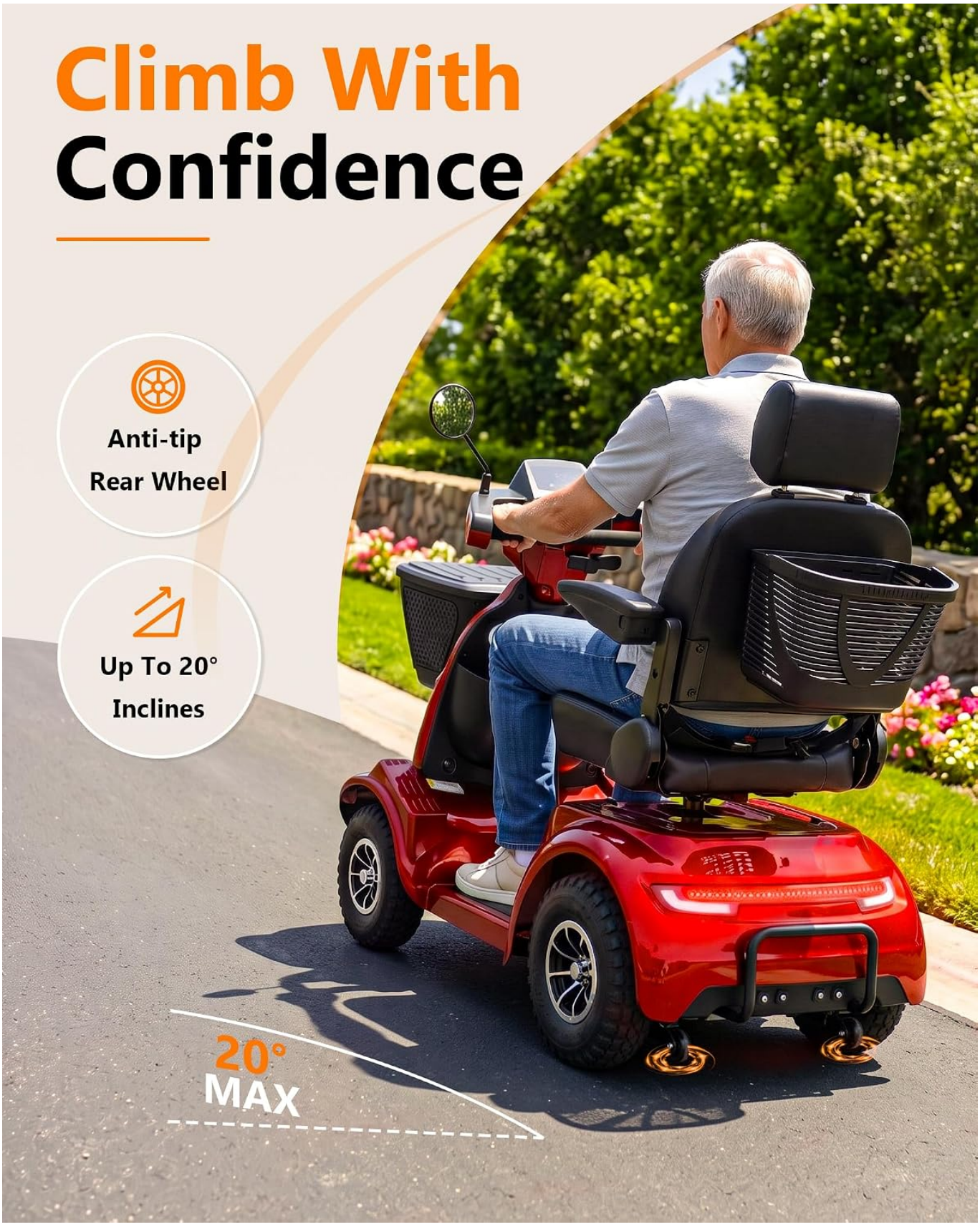
Brakes Not Engaging Properly

- **Handlebar Release:** Ensure you are fully releasing the handlebars to allow the electromagnetic brakes to engage.
- **Obstructions:** Check for any obstructions around the brake mechanism or wheels.

If issues persist after attempting these troubleshooting steps, contact Ecomobi customer support.

8. Specifications

Feature	Detail
Model Name	MS02 MAX
Motor Power	1000W
Battery Capacity	960Wh (Up to 32 Miles Range)
Maximum Speed	15 Miles per Hour
Maximum Weight Capacity	500 Pounds
Climbing Ability	20°
Ground Clearance	11 cm
Product Dimensions (L x W x H)	54.3" x 26.7" x 48"
Product Weight	295 Pounds
Wheel Size	13.78 Inches (Pneumatic)
Brake Style	Electromagnetic
Frame Material	Aluminum
Additional Features	Bluetooth Speaker, LED Light System, Dual Baskets, USB Charging Port



Detailed dimensions and adjustable features of the Ecomobi MS02 MAX.

9. Warranty and Support

Ecomobi is committed to providing reliable support for your mobility scooter, ensuring peace of mind with your purchase.

Warranty Information

- **Frame Protection:** Enjoy 3-Year Frame Protection against manufacturing defects.

- **Component Support:** Comprehensive replacement support for key components including the Battery, Motor, Controller, and Wheel Hub.

Customer Support

For any questions, technical assistance, or warranty claims, please contact Ecomobi customer support through the following channels:

- **Online Mail Service:** ECOMOBICLUB@OUTLOOK.COM
- **Service Telephone:** +1(833)866-8282 (Available Monday-Friday, 9 AM-6 PM EST)

Ecomobi offers lifetime customer support to ensure your continued satisfaction and mobility.



Ecomobi's commitment to reliable support and long-term use.

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