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Stihl 63112000011

Stihl RMA 235 Cordless Lawnmower Instruction Manual

Model: 63112000011

Kit includes: Lawnmower, Battery AK 20, Charger AL 101

1. Introduction

Thank you for choosing the Stihl RMA 235 Cordless Lawnmower. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new lawnmower. Please read this manual thoroughly before first use and keep it for future reference. This cordless lawnmower is designed for domestic use to cut grass in private gardens.

2. Safety Information

Always observe basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury. Failure to follow these instructions may result in serious injury.

General Safety Warnings:

- **Read the Manual:** Familiarize yourself with all controls and proper use of the machine.
- **Personal Protective Equipment (PPE):** Always wear sturdy footwear, long trousers, and eye protection when operating the lawnmower. Avoid loose clothing or jewelry that could get caught in moving parts.
- **Clear the Area:** Before mowing, clear the area of stones, sticks, wires, and other debris that could be thrown by the blades.
- **Keep Bystanders Away:** Do not allow children or bystanders near the lawnmower while it is operating.
- **Blade Safety:** Keep hands and feet away from the rotating blade. The blade continues to rotate for a short period after the motor is switched off.
- **Battery Safety:** Use only the specified battery (AK 20) and charger (AL 101). Do not expose batteries to excessive heat or fire. Do not short-circuit battery terminals.
- **Slope Operation:** Exercise extreme caution when mowing on slopes. Mow across the face of slopes, never up and down.
- **Maintenance:** Disconnect the battery before performing any maintenance, cleaning, or when clearing blockages.
- **Weather Conditions:** Do not use the lawnmower in rain or wet conditions.

3. Product Overview

The Stihl RMA 235 is a compact and lightweight cordless lawnmower designed for ease of use and maneuverability. It features a 33 cm cutting width, central cutting height adjustment, and a 30-liter grass catcher.



Image: Stihl RMA 235 Cordless Lawnmower, showing the orange and white body, handle, and wheels. The battery compartment is visible on top.

4. Package Contents

Please check that all items are present and undamaged upon unpacking:

- Stihl RMA 235 Cordless Lawnmower unit
- Stihl AK 20 Battery
- Stihl AL 101 Charger
- Grass Catcher (assembly required)
- Instruction Manual

5. Setup

5.1. Handle Assembly

1. Unfold the upper handle section and align it with the lower handle.
2. Secure the handle sections using the quick-release levers or screws provided. Ensure the handle is firmly locked in place.

5.2. Grass Catcher Assembly

1. Assemble the two halves of the grass catcher according to the diagrams in the separate assembly guide (if provided).
2. Lift the rear flap of the lawnmower and hook the grass catcher onto the designated points. Ensure it is securely seated.

5.3. Battery Charging and Installation

1. Connect the AL 101 charger to a suitable power outlet.
2. Insert the AK 20 battery into the charger. The indicator light on the charger will show the charging status. Charge the battery fully before first use.
3. Once charged, remove the battery from the charger.
4. Open the battery compartment cover on the lawnmower.
5. Slide the AK 20 battery into the battery slot until it clicks into place. Ensure it is fully seated.
6. Close the battery compartment cover.

5.4. Cutting Height Adjustment

The Stihl RMA 235 features a central cutting height adjustment mechanism. This allows you to easily change the cutting height between 25 mm and 65 mm.

1. Ensure the lawnmower is switched off and the battery is removed for safety.
2. Locate the cutting height adjustment lever, typically near one of the rear wheels.
3. Pull the lever outwards and move it to the desired height setting. The settings are usually numbered or indicated by notches.
4. Release the lever to lock it into position. Ensure all wheels are at the same height setting.

6. Operating

6.1. Pre-Operation Check

- Ensure the battery is fully charged and correctly installed.

- Check that the grass catcher is securely attached.
- Verify that the cutting height is set appropriately for your lawn conditions.
- Inspect the blade for damage or looseness.
- Clear the mowing area of any obstacles.

6.2. Starting and Stopping the Lawnmower

1. **To Start:** Press and hold the safety button (usually on the handle) with one hand, then pull the bail lever (operator presence control) towards the handle with the other hand. The motor will start. Release the safety button, but keep the bail lever held to continue operation.
2. **To Stop:** Release the bail lever. The motor will stop.

6.3. Mowing Techniques

- For best results, mow when the grass is dry.
- Mow in overlapping rows to ensure even coverage.
- Do not attempt to cut too much grass at once. If the grass is very long, raise the cutting height and make two passes.
- Push the mower at a steady, comfortable pace.

6.4. Emptying the Grass Catcher

When the grass catcher is full, the airflow will decrease, and grass clippings may be left on the lawn. Stop the mower, remove the battery, lift the rear flap, and detach the grass catcher. Empty the clippings and reattach the catcher securely.

7. Maintenance

Regular maintenance ensures the longevity and safe operation of your Stihl RMA 235 lawnmower. Always remove the battery before performing any maintenance or cleaning.

7.1. Cleaning the Lawnmower

- After each use, clean the underside of the mower deck to prevent grass buildup, which can affect cutting performance. Use a brush or scraper.
- Wipe down the exterior of the mower with a damp cloth. Do not use high-pressure washers or immerse the mower in water.
- Clean the grass catcher regularly to maintain airflow.

7.2. Blade Care

- Regularly inspect the blade for sharpness and damage. A dull or damaged blade will result in poor cutting quality and can strain the motor.
- If the blade is dull, it should be sharpened by a qualified service technician. If it is bent or cracked, it must be replaced.
- When handling the blade, always wear heavy-duty gloves.

7.3. Battery and Charger Care

- Store the battery and charger in a dry place, away from direct sunlight and extreme temperatures.
- Do not store the battery in the mower for extended periods when not in use.
- Charge the battery fully before storing it for long periods (e.g., over winter).

7.4. Storage

Store the lawnmower in a clean, dry place, out of reach of children. The handle can be folded for compact storage.

8. Troubleshooting

Before contacting customer service, please refer to the following table for common issues and their solutions:

Problem	Possible Cause	Solution
Mower does not start	Battery not inserted correctly Battery discharged Safety button/bail lever not engaged	Ensure battery is fully clicked in Charge battery Engage safety button then pull bail lever
Poor cutting performance	Dull or damaged blade Cutting height too low for grass Grass catcher full Underside of deck clogged	Sharpen or replace blade Increase cutting height Empty grass catcher Clean mower deck
Excessive vibration	Bent or unbalanced blade Loose blade bolt	Have blade inspected/replaced by professional Tighten blade bolt (with battery removed)
Motor stops during operation	Battery discharged Overload (e.g., very thick grass)	Charge battery Raise cutting height, reduce mowing speed

9. Specifications

Feature	Specification
Model	RMA 235
Item Model Number	63112000011
Power Source	Battery Powered (Li-ion Compact)
Battery Type	Stihl AK 20
Charger Type	Stihl AL 101
Cutting Width	33 cm (13 inches)
Cutting Height Adjustment	Central, 25 - 65 mm (1 - 2.5 inches)
Grass Catcher Volume	30 liters
Recommended Lawn Area	Up to 200 m² (2150 sq ft)
Item Weight (Mower only)	14 kg (30.8 lbs)
Product Dimensions	Approx. 31.5 x 15.75 x 11.81 inches (folded)
Material	Plastic
Color	Orange
UPC	886661778973

10. Warranty and Support

For warranty information, please refer to the warranty card included with your product or visit the official Stihl website. For technical support, spare parts, or service, please contact your authorized Stihl dealer or Stihl customer service. Always provide the model number (RMA 235) and serial number of your lawnmower when seeking assistance.
Stihl Official Website: www.stihl.com

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