RYOBI 5133004545

RYOBI RY36LT33A-120 36V Cordless Grass Trimmer User Manual

Model: 5133004545

1. Introduction

Thank you for choosing the RYOBI RY36LT33A-120 36V Cordless Grass Trimmer. This manual provides essential information for the safe and efficient operation, assembly, maintenance, and troubleshooting of your new grass trimmer. Please read this manual thoroughly before first use and keep it for future reference.

This cordless grass trimmer is designed for trimming grass and light weeds in domestic gardens. Its 36V battery system provides powerful and convenient operation without the need for power cords.

2. Safety Information

Always prioritize safety when operating power tools. Failure to follow safety instructions can result in serious injury.

General Safety Warnings:

- Read all instructions before operating the appliance.
- Always wear appropriate personal protective equipment (PPE), including safety glasses or goggles, long trousers, sturdy footwear, and hearing protection.
- Keep bystanders, children, and pets at a safe distance (at least 15 meters) from the operating area.
- Inspect the work area for objects such as rocks, broken glass, nails, wire, or string that can be thrown or become entangled in the cutting line. Remove them before operation.
- Do not operate the trimmer in wet conditions or rain.
- Ensure the battery is fully charged before use and remove it when not in use or before performing any maintenance.
- Handle the trimmer properly to avoid cutting damage. Be careful of flying debris.

3. Components and Features

Familiarize yourself with the parts of your RYOBI grass trimmer:

- **Motor Housing:** Contains the motor and battery slot.

- **Main Handle:** Ergonomic grip with trigger and safety switch.
- **Auxiliary Handle:** Adjustable for comfortable two-hand operation.
- **Shaft:** Connects the motor housing to the trimmer head.
- **Trimmer Head:** Houses the cutting line spool and line exit.
- **Guard:** Protects the user from flying debris.
- **Battery Pack:** 36V Lithium-Ion battery (included).
- **Charger:** For recharging the battery pack (included).



Figure 3.1: Overview of the RYOBI 36V Cordless Grass Trimmer with included battery and charger.

Key Features:

- **Automatic Line Extension:** The cutting line extends automatically during operation.
- **2mm Wire Spool:** Equipped with a durable 2mm cutting line.
- **Adjustable Auxiliary Handle:** Provides easy handling and optimal control.

- **Variable Adjustable Speed:** Allows for precise control over cutting speed for different tasks.
- **Cutting Width:** Adjustable cutting width between 28-33cm.

4. Assembly and Setup

4.1 Unpacking and Inspection:

Carefully remove all components from the packaging. Inspect for any damage. If any parts are damaged or missing, do not assemble or operate the trimmer. Contact customer service.

4.2 Guard Assembly:

1. Align the guard with the mounting slots on the trimmer head.
2. Secure the guard using the provided screws or fasteners. Ensure it is firmly attached before use.



Figure 4.1: Trimmer head with cutting line and guard attachment area.

4.3 Auxiliary Handle Adjustment:

1. Loosen the knob on the auxiliary handle.
2. Adjust the handle to a comfortable position that allows for balanced operation and good posture.
3. Tighten the knob securely.



Figure 4.2: Adjustable auxiliary handle for ergonomic use.

4.4 Battery Installation and Charging:

1. Ensure the battery is fully charged before first use. Connect the charger to a power outlet and insert the battery pack. Refer to the charger's instruction manual for specific charging indicators.
2. Once charged, slide the battery pack into the battery slot on the trimmer's motor housing until it clicks into place.
3. To remove the battery, press the release latch and pull the battery out.



Figure 4.3: Battery slot on the main handle for 36V battery pack.

5. Operation

5.1 Starting and Stopping:

- To start the trimmer, press the safety lock-off button and then squeeze the trigger switch.
- To stop the trimmer, release the trigger switch.

5.2 Trimming Techniques:

- Hold the trimmer firmly with both hands. Maintain a balanced stance.
- Keep the trimmer head parallel to the ground for an even cut.
- Use a sweeping motion, moving the trimmer from side to side.
- Avoid cutting into hard objects or thick brush, which can damage the line or motor.
- The variable speed control allows you to adjust the cutting speed for different grass densities. Use lower speeds for lighter trimming and higher speeds for denser areas.



Figure 5.1: Proper posture and technique for operating the grass trimmer.



Figure 5.2: Demonstrating the use of the trimmer for edging and general grass trimming.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your grass trimmer. Always remove the battery pack before performing any maintenance.

6.1 Cleaning:

- After each use, clean the trimmer head and guard to remove grass clippings and debris. Use a dry cloth or soft brush.
- Do not use water or cleaning solvents on the motor housing or electrical components.
- Check the air vents for blockages and clear them if necessary to prevent overheating.

6.2 Replacing the Cutting Line:

The trimmer uses a 2mm cutting line. When the line becomes too short or breaks, it needs to be replaced. Refer to the trimmer head's specific instructions for spool replacement or re-spooling.

6.3 Battery Care and Storage:

- Store the battery pack in a cool, dry place away from direct sunlight and extreme temperatures.
- For long-term storage, charge the battery to approximately 50% capacity.
- Do not store the battery pack connected to the trimmer.

7. Troubleshooting

Problem	Possible Cause	Solution
Trimmer does not start.	Battery not inserted correctly or discharged. Safety lock-off not engaged.	Ensure battery is fully charged and properly seated. Press safety lock-off before squeezing trigger.
Cutting line does not extend.	Line tangled or too short. Spool empty.	Remove battery, clear any tangles. Replace cutting line spool if empty.
Motor runs but cutting performance is poor.	Cutting line worn or too short.	Replace or extend cutting line.
Trimmer overheats.	Blocked air vents. Overloading the motor.	Clean air vents. Avoid cutting excessively thick material. Allow trimmer to cool down.

8. Specifications

Specification	Value
Model Number	5133004545
Voltage	36V
Cutting Width	28-33 cm
Cutting Line Diameter	2 mm
Power Source	Battery Powered
Product Dimensions	118 x 29 x 38 cm

Specification	Value
Item Weight	4.5 kg
Speed	7E+3 RPM

9. Warranty and Support

RYOBI products are manufactured to high quality standards and are backed by a comprehensive warranty. Please refer to the warranty card included with your product for specific terms and conditions, including warranty period and coverage details.

For technical assistance, spare parts, or warranty claims, please contact your local RYOBI service center or authorized dealer. Keep your proof of purchase for any warranty service.

You can find more information and support on the official RYOBI website:www.ryobi.eu

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