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Stayer 1.2824

Stayer 36V L20 Cordless Brush Cutter

MODEL: 1.2824 - USER MANUAL

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1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Stayer 36V L20 Cordless Brush Cutter. Please read these instructions carefully before operating the tool to ensure proper assembly, operation, and maintenance. Keep this manual for future reference.

General Safety Warnings

- Always wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, gloves, and sturdy footwear.
- Ensure the work area is clear of bystanders, children, and pets.
- Inspect the tool for any damage or loose parts before each use. Do not operate a damaged tool.
- Remove the battery pack when not in use, before cleaning, or when performing maintenance.
- Do not operate the brush cutter in wet conditions or in the presence of flammable liquids or gases.

2. PRODUCT OVERVIEW

The Stayer 36V L20 is a powerful cordless brush cutter designed for trimming grass, weeds, and light brush. It features a brushless motor for efficiency and durability, powered by two 18V Li-ion batteries for a total of 36V.



Figure 1: Stayer 36V L20 Cordless Brush Cutter. Key components include the dual battery insertion point, safety switch, 180° rotatable double handle, adjustable head, and support harness.

Key Features:

- **Dual Battery System:** Utilizes two 18V batteries for a combined 36V power output, ensuring extended runtime and consistent performance.
- **Brushless Motor:** Provides increased efficiency, longer motor life, and reduced maintenance.
- **Nylon Line and Disc Cutting:** Equipped for both nylon line trimming and disc cutting for versatile use on various types of vegetation.
- **2-Second Reverse Rotation:** A quick reverse spin system helps clear tangled grass and debris from the cutting mechanism.
- **Electronic Speed Regulator:** Allows adjustment of cutting speed to match the task at hand.
- **Lightweight Aluminum Structure:** Ensures maximum lightness and durability of the tool.
- **Double Safety Switch:** Prevents unintentional activation and enhances user safety.
- **Automatic Nylon Line Feed:** Simplifies line management during operation.
- **180° Rotatable Double Handle:** Ergonomic design for comfortable use and adaptability to different working positions.
- **Support Harness:** Distributes tool weight for comfortable handling during prolonged use.
- **STAYER Li-ion HIGH-TECH Battery:** Features protection against overcharge, discharge, overheating, and short circuits, with an LED charge indicator.
- **LED Work Area Light:** Illuminates the cutting area for improved visibility.

3. SETUP

3.1. Battery Charging

1. Connect the charger to a suitable power outlet.
2. Insert the Stayer 18V Li-ion batteries into the charger. Ensure they are seated correctly.
3. Allow the batteries to charge fully. The LED indicator on the charger will show the charging status.
4. Once fully charged, remove the batteries from the charger.

3.2. Tool Assembly

While the main unit comes largely pre-assembled, some components may require attachment.

- **Handle Attachment:** Secure the double handle to the main shaft using the provided fasteners. Ensure it is positioned comfortably for your height and working style.
- **Guard Installation:** Attach the protective guard over the cutting head. This guard is crucial for user safety and must always be in place during operation.
- **Harness Connection:** Attach the support harness to the designated point on the brush cutter shaft. Adjust the harness for a comfortable and balanced fit, distributing the tool's weight evenly.

3.3. Battery Insertion

1. Ensure the brush cutter is switched off and the safety switch is engaged.
2. Insert two fully charged 18V Li-ion batteries into the dual battery slots on the tool. Push firmly until they click into place.
3. Verify that the batteries are securely seated before use.

4. OPERATING INSTRUCTIONS

4.1. Starting and Stopping the Tool

1. Ensure all safety precautions are followed and PPE is worn.
2. To start, engage the double safety switch and then press the trigger. The tool will begin operating.
3. To stop, release the trigger. The cutting head will cease rotation.

4.2. Speed Control

Use the electronic speed regulator to adjust the cutting speed. Lower speeds are suitable for light trimming, while higher speeds are for denser vegetation.

4.3. Cutting Techniques

- **Nylon Line Trimming:** Hold the brush cutter at a slight angle to the ground. Use a sweeping motion to cut grass and light weeds. The automatic line feed system will advance the line as needed.
- **Disc Cutting:** For thicker brush and small saplings, use the cutting disc. Approach the material slowly and maintain a firm grip. Avoid hitting hard objects like rocks or metal.
- **Reverse Rotation:** If the cutting head becomes clogged with grass or debris, activate the 2-second reverse rotation system to clear it. Refer to the tool's specific controls for this function.

4.4. Using the Support Harness

Adjust the harness so the tool is balanced and comfortable. This reduces fatigue during extended use and allows for better control.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your brush cutter. Always remove the batteries before performing any maintenance.

5.1. Cleaning

- After each use, clean the cutting head, guard, and motor housing to remove grass, dirt, and debris.

- Use a dry cloth or soft brush. Do not use water or cleaning solvents that could damage the tool.
- Ensure ventilation openings are clear of obstructions to prevent overheating.

5.2. Nylon Line Replacement

When the nylon line becomes too short or breaks, replace it according to the instructions provided with the cutting head or refer to the manufacturer's guidelines. Use only recommended line types and diameters.

5.3. Battery Care and Storage

- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not store fully discharged batteries for extended periods. Charge them periodically if not in use.
- Do not expose batteries to water or impact.

5.4. Tool Storage

Store the brush cutter in a secure, dry place, out of reach of children. Ensure the batteries are removed before storage.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Stayer 36V L20 Brush Cutter.

Problem	Possible Cause	Solution
Tool does not start	Batteries not inserted correctly Batteries discharged Safety switch not engaged Faulty trigger/switch	Ensure batteries are fully seated Charge batteries fully Engage safety switch before pressing trigger Contact customer support
Reduced power/performance	Batteries low on charge Cutting head clogged Incorrect speed setting	Recharge batteries Clear debris using reverse rotation or manually (with batteries removed) Adjust speed regulator to a higher setting
Nylon line not feeding	Line tangled or stuck Line too short Incorrect line type	Remove batteries and untangle line Replace nylon line Use recommended line specifications
Excessive vibration	Damaged cutting head/disc Loose components	Inspect and replace damaged parts Check all fasteners and tighten as necessary

7. SPECIFICATIONS

Technical data for the Stayer 36V L20 Cordless Brush Cutter (Model 1.2824).

Feature	Detail
Model Number	1.2824
Brand	Stayer
Power Source	Battery Operated (2x 18V Li-ion)
Battery Voltage	36V (Total)
Battery Capacity	2.0 - 6.0 Ah (depending on battery)
No-load Speed	0 - 7500 rpm
Nylon Line Thickness	2 mm
Cutting Diameter (Nylon Line)	350 mm
Disc Dimensions	Ø250 x 2.5 mm
Product Dimensions (L x W x H)	181 x 71 x 71 cm
Tool Weight (approx.)	4 kg
Manufacturer	STAYER
Country of Origin	Spain

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