Stihl SuperCut 20-2 (4002 710 2162)

Stihl SuperCut 20-2 Trimmer Head Instruction Manual

Model: SuperCut 20-2 (4002 710 2162)

1. Introduction

This manual provides essential information for the safe and effective use of your Stihl SuperCut 20-2 Trimmer Head. Please read this manual thoroughly before operating the product and keep it for future reference. The Stihl SuperCut 20-2 Trimmer Head is a premium, high-performance accessory designed to deliver superior cutting efficiency. It features a dual-line system that automatically feeds fresh line for continuous cutting without manual adjustments.

2. Safety Information

Always prioritize safety when handling power tool accessories. Failure to follow safety instructions can result in serious injury.

General Safety Precautions:

- **Read the Trimmer Manual:** Always refer to the instruction manual of your specific Stihl trimmer model for comprehensive safety guidelines before installing or using any accessory.
- **Wear Personal Protective Equipment (PPE):** Always wear appropriate eye protection (safety glasses or goggles), hearing protection, and sturdy footwear when operating a trimmer. Long pants and gloves are also recommended.
- **Inspect Before Use:** Before each use, inspect the trimmer head for any damage, cracks, or loose parts. Ensure the cutting line is properly installed and not excessively worn.
- **Clear Work Area:** Ensure the work area is clear of debris, rocks, and other objects that could be thrown by the trimmer head. Keep bystanders, children, and pets at a safe distance.
- **Proper Installation:** Ensure the trimmer head is securely attached to the trimmer shaft according to the instructions provided in this manual and your trimmer's manual.
- **Avoid Contact:** Never touch the rotating trimmer head or cutting line. Keep hands and feet away from the cutting area.
- **Storage:** Store the trimmer head in a dry, secure place, out of reach of children.

WARNING:
Always wear eye protection when operating the trimmer. Failure to do so may result in serious eye injury.

3. Product Overview

The Stihl SuperCut 20-2 Trimmer Head is designed for efficient and continuous trimming. It features an automatic line feed system, reducing the need for manual adjustments during operation.

Key Features:

- Dual-line cutting system for effective trimming.
- Automatic line feed for continuous operation.
- Easy line reloading mechanism.
- Durable construction for demanding tasks.

Components:

Familiarize yourself with the main components of the SuperCut 20-2 Trimmer Head:

- Trimmer Head Housing
- Spool (with pre-wound cutting line)
- Line Exit Eyelets
- Mounting Nut/Bolt Area



Figure 3.1: Top view of the Stihl SuperCut 20-2 Trimmer Head, showing the main housing and orange cutting line.

This image displays the Stihl SuperCut 20-2 Trimmer Head from a top-down perspective, highlighting its compact design and the visible orange cutting line extending from the sides. The Stihl logo and "SUPERCUT 20-2" are clearly visible on the orange label.



Figure 3.2: Side view of the Stihl SuperCut 20-2 Trimmer Head, showing the line exit points.

This image shows the Stihl SuperCut 20-2 Trimmer Head from a slightly angled side view, emphasizing the robust construction and the points where the cutting line exits the head. The orange warning label is visible on the side.



Figure 3.3: View of the trimmer head with the top cover removed, revealing the internal spool and line winding.

This image provides an internal view of the Stihl SuperCut 20-2 Trimmer Head with the top cover removed, clearly showing the orange cutting line wound around the central spool and the metal eyelets for line guidance. Markings for line diameter are visible.



Figure 3.4: Stihl SuperCut 20-2 Trimmer Head shown with its retail packaging.

This image shows the Stihl SuperCut 20-2 Trimmer Head resting on its retail box, which features the "SuperCut 20-2" and "STIHL" logos. This provides a view of the product as it would appear in its original packaging.

4. Setup and Installation

Proper installation of the trimmer head is crucial for safe and effective operation. Always ensure the trimmer's engine is off and the spark plug cap is removed before beginning installation.

Tools Required:

- Combination wrench (typically supplied with your Stihl trimmer)
- Locking pin (if required by your trimmer model)

Installation Steps:

1. **Prepare the Trimmer:** Ensure the trimmer is turned off and cooled down. Disconnect the spark plug cap to prevent accidental starting.
2. **Remove Existing Head (if applicable):** If replacing an old trimmer head, use the combination wrench to loosen and remove the existing head. Note the direction of the threads (some Stihl models have left-hand threads).
3. **Align the Shaft:** Locate the locking hole on the trimmer's gearhead. Insert the locking pin (or a suitable tool) into this hole to prevent the shaft from rotating.
4. **Attach the SuperCut 20-2:** Place the Stihl SuperCut 20-2 Trimmer Head onto the threaded shaft. Turn the trimmer head clockwise (for left-hand threads) or counter-clockwise (for right-hand threads) until it is hand-tight.
5. **Tighten Securely:** Use the combination wrench to firmly tighten the trimmer head. Ensure it is snug but do not overtighten.
6. **Remove Locking Pin:** Remove the locking pin from the gearhead.
7. **Reconnect Spark Plug:** Reconnect the spark plug cap.

CAUTION:

Incorrect installation can lead to the trimmer head detaching during operation, causing serious injury or damage. Always ensure the head is securely fastened.

5. Operating Instructions

The Stihl SuperCut 20-2 Trimmer Head features an automatic line feed system. This means the line will advance automatically when the head is spun at operating speed and tapped lightly on the ground.

Before Starting:

- Ensure all safety precautions from Section 2 are observed.
- Check that the trimmer head is securely attached.
- Verify that the cutting line is not tangled or excessively short.

Operating the Trimmer Head:

1. **Start the Trimmer:** Follow your trimmer's manufacturer instructions to start the engine.
2. **Engage the Trimmer Head:** Increase the engine speed to engage the trimmer head and allow it to reach full operating RPM.
3. **Trimming Technique:** Use a sweeping motion to cut grass and weeds. Avoid hitting hard objects like rocks, fences, or concrete, as this can damage the line and the trimmer head.
4. **Automatic Line Feed:** When the cutting line becomes too short, lightly tap the rotating trimmer head on firm ground. The centrifugal force will automatically advance a fresh length of line. The cutting knife on the guard will trim the line to the correct length.
5. **Monitor Line Length:** Periodically check the line length. If the line is not feeding, refer to the Troubleshooting section.

IMPORTANT:

Do not force the trimmer head into dense vegetation. Allow the head to reach full speed and work at a steady pace to prevent bogging down the engine and excessive wear on the line.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Stihl SuperCut 20-2 Trimmer Head.

Cleaning:

- After each use, clean the trimmer head to remove grass clippings, dirt, and sap. Use a stiff brush or cloth.
- Do not use harsh chemicals or solvents, as they can damage the plastic components.

Line Replacement:

When the cutting line is depleted, it needs to be replaced. The SuperCut 20-2 is designed for easy reloading.

1. **Prepare:** Ensure the trimmer is off and the spark plug cap is disconnected.
2. **Remove Old Line/Spool:** If necessary, remove any remaining old line or the empty spool. The SuperCut 20-2 typically allows for line to be fed through without disassembling the head, but for full replacement, you may need to open it.
3. **Reloading Method (Tap-N-Go):**
    - Cut a new length of Stihl recommended trimmer line (refer to specifications for diameter).
    - Align the arrows on the trimmer head with the eyelets.
    - Feed the new line through one eyelet and out the other until an equal length extends from both sides.
    - Twist the top of the trimmer head (or the knob) in the direction indicated by the arrow (usually clockwise) to wind the line evenly onto the spool.
    - Continue winding until only about 6 inches of line extend from each eyelet.
4. **Reassemble (if disassembled):** If you opened the head, ensure all parts are correctly seated and securely close the head.
5. **Reconnect Spark Plug:** Reconnect the spark plug cap.

Inspection:

- Regularly inspect the trimmer head for signs of wear, cracks, or damage.
- Check the line exit eyelets for excessive wear, which can cause line breakage.
- Ensure the mounting area is free of debris and damage.

7. Troubleshooting

This section addresses common issues you might encounter with your Stihl SuperCut 20-2 Trimmer Head.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Line does not feed automatically.	◦ Line is tangled or fused inside the spool. ◦ Line is too short to feed. ◦ Head not tapped firmly enough. ◦ Incorrect line diameter.	◦ Open the head and untangle/rewind the line. ◦ Replace with new line. ◦ Tap the head more firmly on hard ground while at full throttle. ◦ Ensure correct line diameter is used (refer to Specifications).
Line breaks frequently.	◦ Hitting hard objects (rocks, concrete). ◦ Line is old, brittle, or incorrect type. ◦ Worn line exit eyelets. ◦ Engine speed too low.	◦ Avoid contact with hard surfaces. ◦ Replace with fresh, high-quality Stihl recommended line. ◦ Inspect and replace trimmer head if eyelets are severely worn. ◦ Operate at full throttle for optimal cutting.
Trimmer head vibrates excessively.	◦ Improperly installed trimmer head. ◦ Damaged or unbalanced trimmer head. ◦ Uneven line length.	◦ Re-install the trimmer head, ensuring it is securely tightened. ◦ Inspect for cracks or damage; replace if necessary. ◦ Ensure both lines are of equal length.

8. Specifications

Technical specifications for the Stihl SuperCut 20-2 Trimmer Head.

Feature	Detail
Model	SuperCut 20-2 (Part No. 4002 710 2162)
Type	Dual-line, Automatic Feed (Tap-N-Go)
Recommended Line Diameter	Typically 0.095" (2.4mm) or as specified by your trimmer model.
Weight	Approximately 1 pound (0.45 kg)
Dimensions (Approx.)	5.35 x 5.35 x 3.43 inches (13.6 x 13.6 x 8.7 cm)
Compatibility	Designed for various Stihl string trimmer models. Refer to your trimmer's manual for specific compatibility.

9. Warranty and Support

For warranty information and customer support regarding your Stihl SuperCut 20-2 Trimmer Head, please refer to the official Stihl website or contact your authorized Stihl dealer.

- **Official Stihl Website:** www.stihlusa.com
- **Dealer Locator:** Use the dealer locator tool on the Stihl website to find an authorized service center near you.
- **Proof of Purchase:** Always retain your proof of purchase for warranty claims.

This product is designed for use with genuine Stihl parts and accessories. Use of non-genuine parts may void your warranty and could lead to product malfunction or injury.

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