**Stihl 40027102167**

# Stihl Duro Cut 20-2 Instruction Manual

Model: 40027102167

## 1. Introduction

The Stihl Duro Cut 20-2 is a high-performance trimmer head designed for efficient mowing and thinning work. It is particularly effective in challenging conditions, including tough grass, providing a reliable solution for maintaining various landscapes. This manual provides essential information for the safe and effective use, maintenance, and troubleshooting of your Duro Cut 20-2.

## 2. Safety Information

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

- **Personal Protective Equipment (PPE):** Always wear appropriate safety gear, including safety glasses or goggles to protect against flying debris, sturdy shoes or boots to protect feet, and hearing protection. Gloves are also recommended for better grip and hand protection.
- **Work Area:** Ensure the work area is clear of bystanders, pets, and any objects that could be struck by the trimmer line and cause injury or damage. Maintain a safe distance from others.
- **Pre-Operation Check:** Before each use, inspect the trimmer head for any damage, loose parts, or excessive wear. Ensure the trimmer lines are correctly installed and secure.
- **Handling Fuel/Power:** If using a gas-powered trimmer, handle fuel in a well-ventilated area away from ignition sources. For electric or battery-powered trimmers, ensure power sources are safe and connections are secure.
- **Proper Use:** Operate the trimmer head only for its intended purpose (mowing and thinning). Do not attempt to cut materials beyond the capacity of the trimmer line.
- **Storage:** Store the trimmer head and associated equipment in a dry, secure location, out of reach of children and unauthorized users.

**Important Safety Note: Use safety gear including safety glasses and sturdy shoes to protect against flying debris and cut hazards.**

## 3. Setup

The Stihl Duro Cut 20-2 is designed for easy installation on compatible Stihl trimmers. Follow these steps to set up your trimmer head:

1. **Compatibility Check:** Ensure your Stihl trimmer model is compatible with the Duro Cut 20-2. Refer to your trimmer's manual or Stihl's official compatibility list.

2. **Remove Old Head:** If replacing an existing trimmer head, follow your trimmer's instructions to safely remove the old head. This usually involves securing the shaft and unscrewing the head.
3. **Attach Duro Cut 20-2:** Align the Duro Cut 20-2 with the trimmer shaft and securely fasten it according to your trimmer's manual. Ensure it is tightened properly to prevent loosening during operation.
4. **Insert Trimmer Lines:** The Duro Cut 20-2 uses pre-cut trimmer lines. Cut two pieces of trimmer line, approximately 8 inches (20 cm) in length, for each slot. Insert one piece into each designated hole on the trimmer head until it is securely seated. Ensure both lines are of equal length extending from the head for balanced operation.



An overhead view of the Stihl Duro Cut 20-2 trimmer head, showing its black housing, central attachment point, and two pre-cut trimmer lines extending from opposite sides.

## 4. Operating

Once the Duro Cut 20-2 is properly installed and lines are inserted, you are ready to begin operation. Always refer to your trimmer's main instruction manual for specific operating procedures and safety guidelines.

- **Starting the Trimmer:** Follow your trimmer's manufacturer instructions to start the engine or activate the motor.

- **Mowing and Thinning:** Hold the trimmer firmly with both hands. Use a sweeping motion to cut grass and weeds. The Duro Cut 20-2 is effective for both general mowing and more demanding thinning tasks, even in dense vegetation.
- **Line Replacement During Operation:** One of the key advantages of the Duro Cut 20-2 is its quick line replacement. When lines wear down, simply stop the trimmer, allow the head to come to a complete stop, and replace the worn lines with new pre-cut pieces as described in the Setup section. This eliminates the need for winding spools, saving time and effort.
- **Optimal Performance:** For best results, use genuine Stihl pre-cut trimmer lines or high-quality equivalent lines with the recommended diameter for the Duro Cut 20-2.

## 5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Stihl Duro Cut 20-2 trimmer head.

- **Cleaning:** After each use, clean the trimmer head to remove grass clippings, dirt, and debris. Use a brush or cloth. Avoid using harsh chemicals that could damage the plastic components.
- **Inspection:** Periodically inspect the trimmer head for cracks, damage, or excessive wear. Check the line insertion points for any deformation. Replace the head if significant damage is observed.
- **Line Storage:** Store trimmer lines in a cool, dry place to maintain their flexibility and strength.
- **Preventing Rust:** To prevent internal components from rusting, especially after use in damp conditions, ensure the trimmer head is thoroughly dry before storage. Moisture can lead to corrosion of internal springs and parts, potentially rendering the head useless. Store in a dry environment.

## 6. Troubleshooting

This section addresses common issues you might encounter with your Duro Cut 20-2.

| Problem | Possible Cause | Solution |
|---|---|---|
| Trimmer lines fly out or break too quickly. | Incorrect line installation; Worn or incorrect line type; Impact with hard objects. | Ensure lines are fully inserted and secure. Use recommended Stihl pre-cut lines. Avoid striking hard surfaces. |
| Trimmer head does not fit my Stihl trimmer. | Incompatibility with specific trimmer model. | Verify your trimmer model's compatibility with the Duro Cut 20-2. Note: This head is not compatible with models like the Stihl FS 40 C. |
| Trimmer head components (e.g., springs) rust. | Moisture ingress and improper drying/storage. | Thoroughly dry the trimmer head after use, especially if used in wet conditions. Store in a dry environment. |
| Reduced cutting performance. | Worn or dull trimmer lines. | Replace trimmer lines with new, sharp ones. |

## 7. Specifications

- **Brand:** Stihl
- **Model Number:** 40027102167
- **Color:** Black
- **Item Weight:** Approximately 0.56 Kilograms (1.23 pounds)
- **Product Dimensions:** 6.85 x 3.46 x 7.01 inches
- **Assembly Required:** Yes

- **Recommended Uses:** Mowing, thinning work, and severe applications
- **Global Trade Identification Number (GTIN):** 00795711961916
- **UPC:** 795711961916, 755717810076

## 8. Warranty and Support

For information regarding warranty coverage, technical support, or replacement parts for your Stihl Duro Cut 20-2, please refer to the documentation included with your purchase or contact Stihl customer service directly. You can typically find contact information on the official Stihl website or on the product packaging.
It is recommended to register your product with Stihl, if applicable, to facilitate warranty claims and receive important product updates.

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