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Stihl 6338 702 0100

Lawnmower Blade Instruction Manual

For STIHL RM 443, RME 443, Viking MB 443, ME 443

Part Number: 6338 702 0100

1. Introduction

This manual provides essential information for the safe and effective use of your replacement lawnmower blade. This blade is designed for specific STIHL and Viking lawnmower models, ensuring optimal cutting performance when properly installed and maintained.

Compatible Models:

- STIHL RM 443
- STIHL RME 443
- Viking MB 443
- Viking ME 443

The blade features a cutting width of 41 cm and is an original STIHL part (Part Number: 6338 702 0100).

2. Setup and Installation

Proper installation of the lawnmower blade is crucial for safety and performance. Always refer to your lawnmower's specific instruction manual for detailed blade replacement procedures.

Safety Precautions:

- **Disconnect Spark Plug:** Before performing any work on the lawnmower, always disconnect the spark plug wire to prevent accidental starting. For electric models, unplug from the power source.
- **Wear Protective Gear:** Always wear heavy-duty gloves and eye protection when handling the blade.
- **Secure the Mower:** Tilt the mower onto its side with the carburetor facing up to prevent fuel leakage. Ensure it is stable and cannot tip over.

Installation Steps:

1. Carefully remove the old blade, noting the orientation of the cutting edge.
2. Clean any debris from the blade mounting area.
3. Position the new blade with the cutting edges facing the correct direction (usually upwards towards the mower

deck). The central star-shaped hole and smaller alignment holes should match the mower's spindle.

4. Secure the blade with the appropriate washer and bolt, tightening it to the torque specification provided in your lawnmower's manual.
5. Reconnect the spark plug wire (or plug in electric models).



An image showing the grey metal lawnmower blade. It features a central star-shaped hole for mounting, flanked by two smaller circular holes and two crescent-shaped slots. The blade is long and flat with upturned ends designed for cutting and lifting grass.

Important Note: Some replacement blades, including this one, may arrive unsharpened or with a factory edge that requires further sharpening before first use for optimal cutting performance. Inspect the blade's edge upon receipt and sharpen if necessary, following proper blade sharpening guidelines.

3. Operating Guidelines

A sharp, properly installed blade is essential for a clean cut and healthy lawn. Always operate your lawnmower according to its manufacturer's instructions.

Best Practices:

- **Mow Dry Grass:** Avoid mowing wet grass, as it can clog the mower and lead to an uneven cut.
- **Vary Mowing Direction:** Change your mowing pattern regularly to prevent matting and promote even growth.
- **Avoid Obstacles:** Be mindful of rocks, sticks, and other debris that can damage the blade or cause injury.
- **Proper Cutting Height:** Adjust your mower's cutting height to suit your grass type and desired lawn appearance.

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4. Maintenance

Regular maintenance of your lawnmower blade will extend its lifespan and ensure consistent cutting quality.

Blade Sharpening:

A dull blade tears grass, leading to brown tips and an unhealthy lawn. Sharpen your blade regularly, typically after every 10-12 hours of mowing, or if you notice a decline in cutting performance.

- Remove the blade following the safety precautions in Section 2.
- Use a file, grinder, or blade sharpener to sharpen the cutting edges, maintaining the original angle.
- Ensure the blade remains balanced after sharpening to prevent excessive vibration during operation. An unbalanced blade can damage the mower.

Cleaning and Inspection:

- After each use, clean grass clippings and debris from the blade and underside of the mower deck.
- Inspect the blade for any signs of damage, such as bends, cracks, or excessive wear. A damaged blade should be replaced immediately.
- Check the blade mounting bolt for tightness periodically.

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5. Troubleshooting

If you experience issues with your lawnmower's cutting performance, consider the following common problems related to the blade:

Problem	Possible Cause	Solution
Uneven Cut / Ragged Grass Tips	Dull blade; Unbalanced blade; Incorrect cutting height.	Sharpen or replace blade; Balance blade; Adjust cutting height.
Excessive Vibration	Unbalanced blade; Bent blade; Loose blade bolt.	Balance blade; Replace bent blade; Tighten blade bolt.
Poor Grass Discharge	Dull blade; Clogged deck; Wet grass.	Sharpen blade; Clean deck; Mow dry grass.

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6. Specifications

Key specifications for the replacement lawnmower blade:

- **Brand:** Stihl
- **Part Number:** 6338 702 0100
- **Cutting Width:** 41 cm
- **Item Weight:** 5.6 ounces
- **Package Dimensions:** 17.6 x 5 x 1.42 inches
- **Manufacturer:** STIHL
- **First Available:** April 28, 2024

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7. Warranty and Support

Information regarding specific warranty terms or direct support contacts for this replacement blade is not available in the provided product data. For warranty claims or technical assistance, please refer to the documentation provided with your original lawnmower or contact the manufacturer of your lawnmower (STIHL or Viking) directly.

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