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› Stens Medium-Lift Blade 345-668 for Woods 34615KT Instruction Manual

Stens 345-668

Stens Medium-Lift Blade 345-668 for Woods 34615KT

Instruction Manual

1. PRODUCT OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of your Stens Medium-Lift Blade, model 345-668. This blade is specifically designed as a replacement for Woods 34615KT mowers.



Image 1.1: Stens Medium-Lift Blade 345-668 for Woods 34615KT with product label. This image shows the blade in its packaging, displaying the model number and brand.

Key Features:

- **OEM Replacement:** Directly replaces Woods OEM parts 13404, 13404KT, 31306, and 31306KT.
- **Compatibility:** Fits Woods models L306, RM306, and RM600. A 72-inch deck requires three blades.
- **Dimensions:** Length 24 7/16 inches, Center hole 1 inch, Width 2 1/2 inches, Thickness 0.203 inches.
- **Design:** Left-hand blade configuration.

2. SAFETY INFORMATION

Always prioritize safety when working with lawn mower blades. Failure to follow safety instructions can result in serious injury.

- **Disconnect Spark Plug:** Before performing any maintenance or blade replacement, always disconnect the spark plug wire to prevent accidental engine startup.

- **Wear Protective Gear:** Use heavy-duty gloves and eye protection when handling blades. Blades are sharp and can cause severe cuts.
- **Secure the Mower:** Ensure the mower is stable and cannot move or tip over during blade removal or installation.
- **Refer to Mower Manual:** Always consult your specific mower's instruction manual for detailed safety procedures and torque specifications for blade bolts.

3. INSTALLATION

Follow these general steps for replacing your mower blade. Always refer to your mower's specific manual for precise instructions.

1. **Prepare the Mower:** Park the mower on a flat, level surface. Disconnect the spark plug wire.
2. **Access the Blade:** Tilt the mower onto its side with the carburetor facing up to prevent fuel leakage.
3. **Remove Old Blade:** Secure the blade from turning (e.g., with a block of wood). Use a wrench to loosen and remove the blade bolt. Note the orientation of the old blade.
4. **Inspect Components:** Check the blade bolt, washers, and blade adapter for wear or damage. Replace if necessary.
5. **Install New Blade:** Position the new Stens 345-668 blade with the cutting edge facing the direction of rotation (usually towards the front of the deck). Ensure the blade is properly seated on the blade adapter. This is a left-hand blade.
6. **Tighten Blade Bolt:** Reinstall the blade bolt and washers. Tighten the bolt securely to the torque specification provided in your mower's manual. Overtightening or undertightening can be dangerous.
7. **Reconnect Spark Plug:** Once installation is complete, reconnect the spark plug wire.



Image 3.1: Top view of the Stens Medium-Lift Blade 345-668. This image illustrates the overall shape and design of the blade, including the central mounting hole and the lift wing.



Image 3.2: Close-up of the center hole of the Stens Medium-Lift Blade 345-668. This detailed view shows the precise 1-inch diameter of the mounting hole, crucial for proper fitment.

4. OPERATION

The Stens Medium-Lift Blade 345-668 is designed for efficient cutting and bagging. Medium-lift blades create good airflow to lift grass for a clean cut and assist in propelling clippings into a collection bag.

Tips for Optimal Mowing:

- **Mow Dry Grass:** For the best cut and to prevent clogging, mow when the grass is dry.
- **Maintain Sharpness:** A sharp blade cuts cleanly, promoting healthier grass and reducing strain on the mower.
- **Proper Mowing Height:** Adjust your mower's cutting height according to grass type and conditions.

Video 4.1: Stens Blades Overview. This video from Stens provides an overview of different types of mower blades, including toothed/mulching blades for fine clippings, notched/rolled hi-lift blades for easier bagging, and flat/low-lift blades for sandy conditions. It

5. MAINTENANCE

Regular maintenance of your mower blade ensures optimal performance and extends its lifespan.

- **Inspection:** Regularly inspect the blade for dullness, nicks, bends, or cracks. A damaged blade can cause uneven cuts and excessive vibration.
- **Sharpening:** Sharpen the blade regularly using a file or grinder. Maintain the original cutting angle. Ensure the blade remains balanced after sharpening to prevent vibration.
- **Balancing:** An unbalanced blade can cause excessive vibration, leading to premature wear on mower components and an uneven cut. Use a blade balancer after sharpening.
- **Replacement:** Replace the blade if it is severely bent, cracked, or worn beyond safe limits. The frequency of replacement depends on usage and mowing conditions.



Image 5.1: Angled view of the Stens Medium-Lift Blade 345-668. This perspective clearly shows the upward curve at the ends of the blade, which creates the necessary lift for effective grass cutting and discharge.

6. TROUBLESHOOTING

If you experience issues with your mower's cutting performance, consider the following:

- **Uneven Cut:**
 - Check if the blade is dull or damaged.
 - Ensure the blade is properly balanced.
 - Verify the mower deck is level.
- **Excessive Vibration:**
 - Inspect the blade for bends or damage.
 - Check if the blade is securely tightened.
 - Ensure the blade is balanced.
- **Poor Bagging/Discharge:**
 - Confirm the blade is installed with the lift wings facing upwards.
 - Clear any clogs in the mower deck or discharge chute.
 - Ensure grass is dry before mowing.

7. SPECIFICATIONS

Attribute	Detail
Brand	Stens
Model Number	345-668
Replaces OEM	Woods 13404, 13404KT, 31306, 31306KT
Fits Models	Woods L306, RM306, RM600 (requires 3 for 72" Deck)
Length	24 7/16 inches (24.44")
Width	2 1/2 inches (2.5")
Thickness	0.203 inches (0.2")
Center Hole	1 inch
Blade Type	Medium-Lift, Left Hand
Item Weight	3.23 Pounds
Color	Black
UPC	023899134670

8. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your Stens blade, please refer to the official Stens website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Stens Official Website: [Visit the Stens Store on Amazon](#)

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