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› Stens 362-627 Toothed Blade Instruction Manual for Toro Groundsmaster Mowers

Stens 362-627

Stens 362-627 Toothed Blade Instruction Manual

Compatible with Toro Groundsmaster 3500D, 3505D, 4500D, and 4700D Mowers

1. PRODUCT OVERVIEW

The Stens 362-627 Toothed Blade is a high-quality replacement part designed for specific Toro Groundsmaster models. This blade is engineered to provide efficient cutting and mulching performance, contributing to a well-maintained lawn appearance. It is a direct replacement for several OEM part numbers, ensuring reliable fitment and performance.

2. SPECIFICATIONS

This section details the physical characteristics and compatibility of the Stens 362-627 Toothed Blade.

- **Description:** Toothed Blade
- **Center Hole:** 1/2 inch
- **Length:** 27 inches
- **Thickness:** 0.250 inches
- **Width:** 2 1/2 inches
- **Item Weight:** 4.19 pounds
- **Product Dimensions:** 27"L x 2.5"W
- **Color:** Black
- **Style:** Compact
- **UPC:** 023899563586

2.1. OEM Replacement Numbers

This blade replaces the following original equipment manufacturer (OEM) part numbers:

- Toro: 100-5754-03
- Toro: 105-9810-03
- Toro: 105-9810-3
- Toro: 107-0235-03

2.2. Compatible Mower Models

The Stens 362-627 Toothed Blade is compatible with the following Toro Groundsmaster models equipped with 27-inch cutting units:

- Toro Groundsmaster 3500D
- Toro Groundsmaster 3505D
- Toro Groundsmaster 4500D
- Toro Groundsmaster 4700D

3. BLADE TYPES AND CHARACTERISTICS

Understanding different blade types can help optimize mowing performance. The Stens 362-627 is a toothed/mulching blade. Other common blade types include notched/rolled hi-lift and flat/low-lift blades.

3.1. Toothed/Mulching Blades (Stens 362-627)

Toothed or mulching blades are designed to cut grass into finer clippings. This design helps to return nutrients to the lawn, promoting a healthier and more manicured appearance. They are particularly effective for mulching applications.

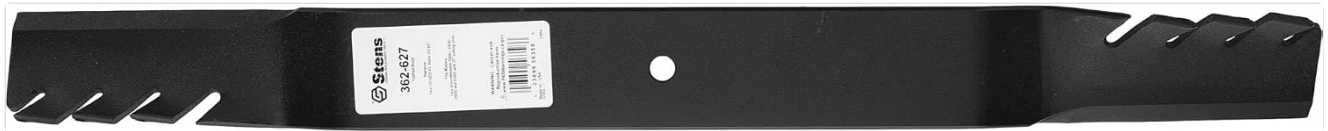


Image 1: Top view of the Stens 362-627 Toothed Blade, showing the serrated edge for mulching.

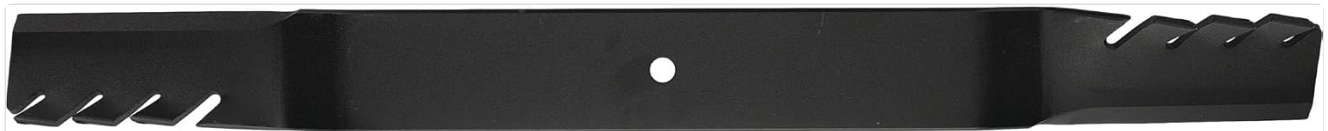


Image 2: Another top view of the Stens 362-627 Toothed Blade, highlighting the cutting edge and mulching teeth.





Image 3: Angled view of the Stens 362-627 Toothed Blade, showing the overall shape and lift.

3.2. Notched/Rolled Hi-Lift Blades

Notched or rolled hi-lift blades are designed to create a strong airflow under the mower deck. This airflow lifts the grass blades for a clean, even cut and then propels the clippings into a bagger more effectively. They are often preferred for lawns with fine grass where bagging is common.

3.3. Flat/Low-Lift Blades

Flat or low-lift blades create less suction and are ideal for dry, sandy, or coastal lawns. Their design minimizes the amount of sand or debris thrown by the blade, protecting the mower deck and reducing wear. Some low-lift blades are reversible, offering extended blade life.

Video 1: This video demonstrates the differences in lift profiles between low-lift, medium-lift, and hi-lift mower blades, illustrating how

4. INSTALLATION

Proper installation of the blade is crucial for safety and optimal performance. Always refer to your mower's specific owner's manual for detailed instructions and safety precautions before attempting any maintenance or installation.

4.1. Safety Precautions

- Ensure the mower engine is off and cool.
- Disconnect the spark plug wire to prevent accidental starting.
- Wear heavy-duty gloves to protect your hands from sharp blade edges.
- Use appropriate tools for loosening and tightening bolts.
- Secure the mower to prevent it from moving or tipping during blade removal/installation.

4.2. Blade Removal

1. Tilt the mower onto its side, ensuring the carburetor and air filter are facing upwards to prevent fuel or oil leaks.
2. Use a block of wood or a specialized blade removal tool to brace the blade and prevent it from turning.
3. Loosen the blade bolt(s) using a wrench or socket. Note the direction of rotation for removal (typically counter-clockwise).
4. Carefully remove the old blade, noting the orientation of any washers or spacers.

4.3. Blade Installation

1. Clean the blade mounting area on the mower deck and spindle.
2. Position the new Stens 362-627 Toothed Blade with the cutting edge facing the correct direction (usually indicated by an arrow on the blade or the mower deck). The teeth should point upwards towards the mower deck.
3. Reinstall any washers or spacers in their original positions.
4. Tighten the blade bolt(s) securely to the manufacturer's recommended torque specifications. Use a torque wrench if available.
5. Ensure the blade is properly seated and does not wobble.

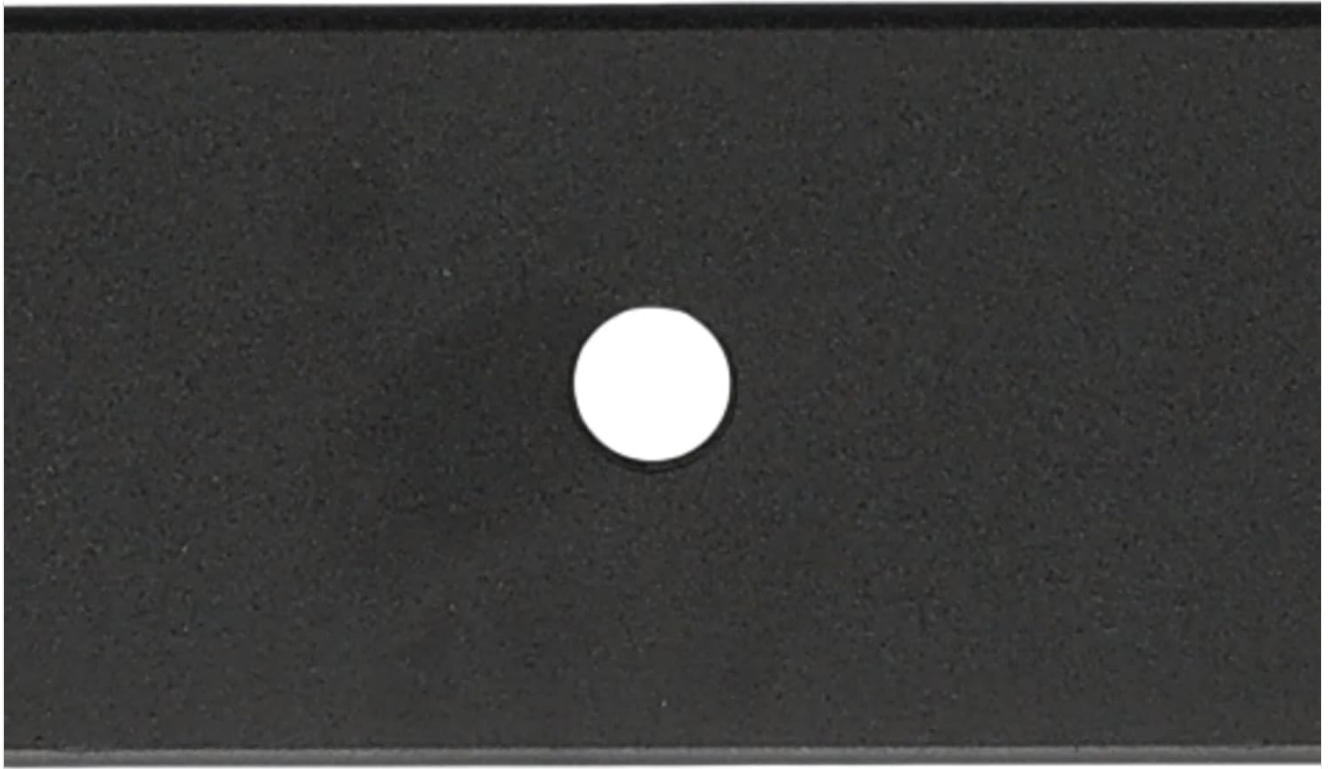


Image 4: A close-up view of the blade's center hole, which is 1/2 inch, ensuring proper fitment on the mower spindle.

5. OPERATION

Once the blade is installed, ensure all safety guards are in place before operating the mower. The Stens 362-627 Toothed Blade is designed for mulching, which means it cuts grass into small pieces that are returned to the lawn. For optimal mulching, avoid cutting wet or excessively tall grass.

6. MAINTENANCE

Regular maintenance of your mower blade ensures safety, efficiency, and extends the life of the blade and your mower.

6.1. Inspection

Before each use, inspect the blade for:

- **Sharpness:** A dull blade tears grass, leading to an unhealthy lawn.
- **Damage:** Check for bends, cracks, or excessive nicks. A damaged blade can cause vibrations and be dangerous.
- **Balance:** An unbalanced blade can cause excessive vibration, leading to premature wear on engine components.

6.2. Cleaning

After each use, clean grass clippings and debris from the blade and the underside of the mower deck. This prevents buildup that can reduce cutting efficiency and promote rust.

6.3. Sharpening

Sharpen the blade regularly, or as needed, to maintain a clean cut. Use a blade sharpener or file, maintaining the original blade angle. Ensure the blade remains balanced after sharpening.



Image 5: Side profile of the Stens 362-627 Toothed Blade, illustrating the lift angle which contributes to mulching performance.

7. TROUBLESHOOTING

If you experience issues with your mower's cutting performance after installing the Stens 362-627 blade, consider the following:

- **Uneven Cut:** Check if the blade is installed correctly, if it's bent, or if the mower deck is level.
- **Excessive Vibration:** This often indicates an unbalanced or bent blade. Remove and inspect the blade for damage or ensure it is properly balanced.
- **Poor Mulching:** Ensure the blade is sharp and the grass is dry. Cutting excessively tall or wet grass can hinder mulching effectiveness.
- **Blade Not Spinning:** Check for obstructions under the deck or issues with the spindle assembly or belt.

Video 2: This video provides an overview of various aftermarket lawn and garden replacement parts, including blades, belts, and spindles, highlighting their quality and fitment.

8. WARRANTY AND SUPPORT

Stens offers a warranty and support for its products:

- **30-Day Return Policy:** If the product is not what you expected, it may be returned within 30 days for a refund, provided it is in its original packaging and good condition.
- **1-Year Warranty:** Beyond 30 days, the product will be replaced anytime within one year of your order if it is found to be defective.

For further assistance or to explore other Stens products, please visit the [Stens Store](#).

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