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Stens 340-100

Stens 340-100 Scag 482959 Hi-Lift Blade Instruction Manual

Model: 340-100 | Brand: Stens

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Stens 340-100 Hi-Lift Blade. This blade is designed as a replacement for Scag 482959 and is compatible with Scag SMZC-36A and SZC36A Z-Cat models, requiring three blades for a 36-inch deck. Adhering to these instructions will ensure optimal performance and longevity of the product.



Figure 1: Stens 340-100 Hi-Lift Blade, front view. This image shows the overall shape and design of the black hi-lift blade, including the center hole and the characteristic curves for lifting action.

SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of the blade. Always ensure the part fits your equipment before proceeding with installation.

Pre-Installation Checklist:

- Ensure the lawnmower is turned off and the spark plug wire is disconnected to prevent accidental starting.
- Wear appropriate personal protective equipment (PPE), including heavy-duty gloves and eye protection.
- Verify the new blade matches the specifications of the original blade and is compatible with your mower model (e.g., Scag SMZC-36A, SZC36A Z-Cat).

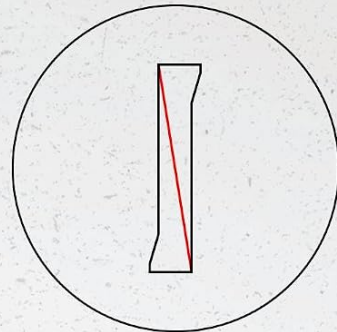
Installation Steps:

1. Carefully remove the old blade. Note the orientation of the old blade to ensure the new blade is installed correctly.

2. Clean the blade mounting area on the mower deck, removing any debris or rust.
3. Position the new Stens 340-100 Hi-Lift Blade with the cutting edge facing the direction of rotation (typically downwards towards the ground). The curved or "lift" portion of the blade should point upwards towards the mower deck.
4. Align the center hole of the blade with the spindle shaft. For models requiring multiple blades, ensure all blades are installed with the correct orientation.
5. Secure the blade using the appropriate washer and bolt. Tighten the bolt to the manufacturer's specified torque settings. Refer to your mower's specific instruction manual for torque specifications.
6. Once installed, manually rotate the blade to ensure it spins freely and does not contact any part of the mower deck.

PICKING THE RIGHT BLADE

1. Measure diagonally from the sharpest corner of one end to the sharpest corner on the opposite end. This method accounts for asymmetrical blades.



2. Measure the diameter of the center hole. If there are side holes, measure their diameter and the distance between their centers. For uniquely shaped holes like star or H-pattern, note the shape name instead of measurements.



Figure 2: Guide for picking the right blade. This graphic illustrates how to measure blade length diagonally and how to measure the center hole diameter, crucial for proper blade selection and fit.

OPERATING INSTRUCTIONS

The Stens 340-100 Hi-Lift Blade is designed for efficient cutting and mulching. For optimal performance and safety,

observe the following:

- **Safety First:** Always ensure the mower deck is clear of debris and personnel before starting the engine. Never operate the mower without all guards and safety devices in place.
- **Cutting Height:** Adjust the mower's cutting height according to grass type and desired lawn appearance. Hi-lift blades are particularly effective for bagging and mulching due to their strong airflow.
- **Mowing Conditions:** Avoid mowing wet grass, as it can clog the deck and reduce cutting efficiency. Mow at a steady pace to allow the blade to effectively cut and discharge or mulch clippings.
- **Benefits of Hi-Lift:** This blade's design provides improved mulching due to increased lift and finer chop, and cleaner cuts by ensuring a strong lifting action. It also reduces clogging due to an enhanced vacuum effect.

HI-LIFT BLADE BENEFITS



Improved mulching: The increased lift and finer chop result in more efficient mulching.



Cleaner cuts: The lifting action ensures a cleaner cut, preventing ragged edges and uneven growth.



Less clogging: Due to the increased vacuum effect, hi-lift blades are less likely to clog.



Figure 3: Benefits of the Hi-Lift Blade. This graphic highlights key advantages such as improved mulching, cleaner cuts, and less clogging, explaining how the blade's design contributes to these benefits.

MAINTENANCE

Regular maintenance extends the life of your blade and ensures consistent cutting performance.

- **Cleaning:** After each use, clean the blade and the underside of the mower deck to prevent buildup of grass clippings, which can reduce airflow and cutting efficiency.
- **Sharpening:** Sharpen the blade regularly to maintain a sharp cutting edge. A dull blade tears grass, leading to an unhealthy lawn. When sharpening, maintain the original blade angle and ensure the blade remains balanced. An unbalanced blade can cause excessive vibration and damage to the mower.
- **Inspection:** Periodically inspect the blade for bends, cracks, or excessive wear. Replace the blade if any damage is observed. A damaged blade can be dangerous and lead to poor cutting results.
- **Storage:** If storing the mower for an extended period, remove the blade, clean it thoroughly, and apply a light coat of oil to prevent rust. Store in a dry place.

TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Uneven Cut	Dull blade, bent blade, unbalanced blade, incorrect blade installation.	Sharpen or replace blade, check for bends, balance blade, re-install correctly.
Excessive Vibration	Unbalanced blade, bent blade, loose mounting bolt.	Balance blade, replace bent blade, tighten mounting bolt to specifications.
Poor Mulching/Bagging	Dull blade, clogged deck, mowing wet grass.	Sharpen blade, clean deck, mow dry grass.
Blade Not Spinning Freely	Debris buildup, incorrect installation, damaged spindle.	Clean debris, re-install blade, inspect spindle for damage.

SPECIFICATIONS

Detailed specifications for the Stens 340-100 Hi-Lift Blade:

Description: Hi-Lift Blade

Length: 12 inches

Center Hole: 5/8 inches

Width: 2 1/2 inches

Thickness: 0.203 inches

Packaging Type: Branded label

Color: Black

Item Weight: 1.52 Pounds

Product Dimensions: 12 x 2.5 x 1.05 inches

Replaces OEM Numbers: Scag: 482959

Replacement For: Scag SMZC-36A and SZC36A Z-Cat (requires 3 for 36" deck)



HI-LIFT BLADE

WIDTH: **2 1/2"**

LENGTH: **12"**

THICKNESS: **.203"**

CENTER HOLE: **5/8"**

Figure 4: Detailed specifications of the Stens Hi-Lift Blade. This image visually presents the width, length, thickness, and center hole dimensions of the blade.

WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the official Stens website or contact Stens customer service directly. Warranty terms and conditions may vary.

For technical support, replacement parts, or further assistance with your Stens 340-100 Hi-Lift Blade, please contact Stens customer support through their official channels. Always provide your product model number (340-100) when seeking support.

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