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Secura 6448688

SECURA Blade Spindle Instruction Manual

For Greencut AT 100/07 13AH760F439 Lawn Tractors

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your SECURA Blade Spindle, compatible with Greencut AT 100/07 13AH760F439 lawn tractors. Please read these instructions carefully before proceeding with installation or maintenance to ensure safe and correct usage.

2. SAFETY INFORMATION

Always prioritize safety when working with lawn care equipment. Failure to follow safety instructions can result in serious injury or damage to equipment.

- **Disconnect Power:** Before any installation, maintenance, or repair, ensure the lawn tractor's engine is off and the spark plug wire is disconnected to prevent accidental starting.
- **Wear Protective Gear:** Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- **Secure the Tractor:** Use wheel chocks or jack stands to stabilize the lawn tractor when lifting it for access to the mower deck.
- **Sharp Blades:** Mower blades are sharp. Handle them with extreme caution and wear heavy-duty gloves.
- **Consult Tractor Manual:** Refer to your Greencut AT 100/07 13AH760F439 lawn tractor's original owner's manual for specific safety procedures and torque specifications.

3. COMPATIBILITY

This SECURA blade spindle is designed as a replacement part for the following lawn tractor model:

- **Greencut AT 100/07 13AH760F439** (Model years: 2007)

It is a complete blade spindle assembly, suitable for both left and right rotation applications on the mower deck.

4. PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged:

- 1x SECURA Blade Spindle Assembly (Model: 6448688)
- Mounting bolts (typically pre-installed or included)

Note: Additional hardware such as blade mounting bolts or pulley nuts may need to be reused from the original assembly or purchased separately if not included.

5. SETUP AND INSTALLATION

Follow these steps for proper installation of the blade spindle. Refer to your lawn tractor's service manual for detailed instructions specific to your model.

1. Preparation:

- Park the lawn tractor on a flat, level surface.
- Engage the parking brake.
- Turn off the engine and remove the ignition key.
- Disconnect the spark plug wire to prevent accidental starting.
- Lower the mower deck to its lowest position.
- Carefully lift and secure the front of the tractor to access the mower deck from underneath, using jack stands for stability.

2. Remove Mower Deck (if necessary):

- Depending on your tractor model, it may be easier to remove the entire mower deck for spindle replacement. Consult your tractor manual for deck removal procedures.

3. Remove Old Spindle:

- Remove the mower blade from the bottom of the spindle. You may need a blade removal tool or a block of wood to hold the blade steady.
- Remove the pulley from the top of the spindle shaft.
- Unbolt the old spindle assembly from the mower deck. There are typically 4 mounting bolts.
- Carefully remove the old spindle.

4. Install New Spindle:

- Position the new SECURA blade spindle (Model: 6448688) onto the mower deck, aligning the mounting holes.
- Secure the spindle with the 4 mounting bolts. Tighten them evenly and to the torque specifications recommended in your tractor's manual.
- Reinstall the pulley onto the top of the spindle shaft. Ensure it is seated correctly.
- Reattach the mower blade to the bottom of the spindle. Ensure the blade is oriented correctly (cutting edge facing down) and tighten the blade bolt to the manufacturer's specified torque.

5. Reassembly and Testing:

- If the mower deck was removed, reinstall it according to your tractor's manual.
- Reconnect the spark plug wire.
- Start the engine and engage the PTO (Power Take-Off) briefly to ensure the blades spin freely and without unusual noise or vibration. Disengage the PTO immediately.
- Perform a visual inspection for any loose parts or improper assembly.



Image 1: The SECURA Blade Spindle Assembly (Model 6448688) showing the main housing, shaft, pulley, and mounting points. This component is crucial for the rotation of the mower blade.

6. OPERATING CONSIDERATIONS

Once installed, the blade spindle operates as an integral part of your mower deck. Proper operation relies on the correct

installation and maintenance of this component.

- **Smooth Operation:** The spindle should allow the blade to rotate smoothly and without excessive vibration.
- **Noise:** Listen for any unusual noises (grinding, squealing) during operation, which may indicate an issue with the spindle bearings.

7. MAINTENANCE

Regular maintenance extends the life of your blade spindle and ensures optimal performance of your lawn tractor.

- **Lubrication:** Some spindles feature a grease zerk for lubrication. If present (as shown in Image 1), apply a small amount of appropriate grease (e.g., lithium-based multi-purpose grease) using a grease gun every 25 operating hours or annually, whichever comes first. Do not over-grease.
- **Inspection:** Periodically inspect the spindle for signs of wear, damage, or looseness. Check for excessive play in the shaft.
- **Cleaning:** Keep the area around the spindle free of grass clippings and debris, which can cause overheating or imbalance.
- **Blade Balance:** Ensure mower blades are balanced and sharp. Unbalanced blades can cause excessive vibration and premature spindle wear.

8. TROUBLESHOOTING

If you encounter issues after installing the new blade spindle, consider the following:

Symptom	Possible Cause	Solution
Excessive vibration from mower deck	<ul style="list-style-type: none">• Unbalanced or bent mower blade• Loose spindle mounting bolts• Damaged spindle bearings	<ul style="list-style-type: none">• Inspect and balance/replace blade• Tighten mounting bolts to specifications• Replace spindle if bearings are faulty
Grinding or squealing noise	<ul style="list-style-type: none">• Lack of lubrication• Worn or damaged bearings	<ul style="list-style-type: none">• Apply grease if zerk is present• Replace spindle
Blade not spinning freely	<ul style="list-style-type: none">• Obstruction• Seized bearings• Incorrect blade installation	<ul style="list-style-type: none">• Clear debris• Replace spindle• Recheck blade installation

If troubleshooting steps do not resolve the issue, contact a qualified service technician.

9. SPECIFICATIONS

Feature	Detail
Product Type	Blade Spindle Assembly
Brand	SECURA
Model Number	6448688
Compatibility	Greencut AT 100/07 13AH760F439 Lawn Tractor (2007 models)

Feature	Detail
Blade Mount	6-star
Height	160 mm
Mounting Points	4
Pulley Diameter	145 mm

10. WARRANTY AND SUPPORT

This product is a high-quality replica part. For specific warranty information, please refer to the retailer or manufacturer's terms of sale at the time of purchase. For technical support or inquiries regarding this SECURA blade spindle, please contact your point of purchase or the SECURA customer service department.

Note: This part is not an original equipment manufacturer (OEM) part unless otherwise specified.

