

Arnold 490-110-0149

Arnold 48-Inch High-Lift Bagging Blade Set Instruction Manual

Model: 490-110-0149

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Arnold 48-Inch High-Lift Bagging Blade Set. These blades are designed to enhance the bagging performance of compatible lawn tractors by creating increased airflow for efficient grass clipping collection. Please read this manual thoroughly before attempting any installation or maintenance procedures.

2. SAFETY INFORMATION

WARNING: Always exercise extreme caution when handling mower blades. Blades are sharp and can cause severe injury. Follow all safety guidelines to prevent accidents.

- Always wear heavy-duty gloves and eye protection when handling or working near mower blades.
- Ensure the lawn mower engine is turned off, the spark plug wire is disconnected, and the key is removed before performing any maintenance or blade replacement.
- Allow the engine and blades to cool down completely before touching them.
- Never attempt to sharpen or balance blades while they are installed on the mower.
- Keep hands, feet, and clothing away from moving parts.
- Refer to your lawn mower's owner's manual for additional safety instructions specific to your equipment.

3. PACKAGE CONTENTS

Your Arnold 48-Inch High-Lift Bagging Blade Set package includes:

- Three (3) Arnold 48-Inch High-Lift Bagging Blades

4. COMPATIBILITY

These blades are designed for use with lawn tractors featuring **48-inch cutting decks** and a **5-point star center hole**. They are compatible with various brands, including but not limited to:

- AYP
- Ariens
- Craftsman
- Electrolux
- Husqvarna
- Rally

These blades replace Original Equipment (O.E.) part numbers: 180054, 532-180054, 173920, 532-173920.



Image: Example of a compatible Troy-Bilt lawn tractor. Always verify your mower's specifications before installation.

5. INSTALLATION INSTRUCTIONS

Follow these steps carefully to replace your lawn mower blades:

1. **Prepare the Mower:** Park the lawn mower on a flat, level surface. Turn off the engine, remove the ignition key, and disconnect the spark plug wire to prevent accidental starting. Allow the engine and deck to cool.
2. **Secure the Deck:** If possible, raise the mower deck to a comfortable working height or remove it from the tractor according to your mower's manual. Use a block of wood to prevent the blade from turning while loosening the bolt.
3. **Remove Old Blades:** Using a wrench, loosen and remove the blade mounting bolt. Note the orientation of the old blade for correct installation of the new blade. Remove the old blade.
4. **Inspect Components:** Examine the blade spindle and mounting hardware for wear or damage. Replace any worn parts as necessary.
5. **Install New Blades:** Position the new Arnold high-lift bagging blade onto the spindle, ensuring the cutting edge faces the correct direction (typically upwards towards the deck). The 5-point star center hole should align perfectly with the spindle.
6. **Tighten Blade Bolt:** Reinstall the blade mounting bolt and washer. Tighten the bolt securely using a torque wrench to the specifications provided in your lawn mower's owner's manual. Improperly tightened blades can be dangerous.
7. **Repeat for all Blades:** Repeat the process for all three blades on the 48-inch deck.
8. **Final Checks:** Reconnect the spark plug wire and lower the mower deck. Before starting, manually rotate the blades to ensure they spin freely and do not contact any part of the deck.



Image: The Arnold 48-Inch High-Lift Bagging Blade Set. Note the distinct high-lift design for improved airflow.

6. OPERATION GUIDELINES

High-lift bagging blades are specifically designed to create a strong vacuum effect under the mower deck, lifting grass clippings for efficient collection into a bagging system. For optimal performance:

- Mow when grass is dry. Wet grass clogs the deck and reduces bagging efficiency.
- Avoid cutting more than one-third of the grass blade length at a time.
- Maintain a consistent mowing speed.
- Ensure your bagging system is clean and free of obstructions.

7. MAINTENANCE

Regular maintenance extends the life of your blades and ensures optimal cutting performance.

- **Cleaning:** After each use, clean grass clippings and debris from the blades and underside of the mower deck. Built-up grass can reduce airflow and bagging efficiency.
- **Inspection:** Periodically inspect blades for nicks, bends, cracks, or excessive wear. Damaged blades should be replaced immediately.

- **Sharpening:** Keep blades sharp for a clean cut. Dull blades tear grass, leading to an unhealthy lawn. Sharpen blades with a file or grinder, maintaining the original cutting angle. Ensure blades are balanced after sharpening to prevent vibration. If you are unsure, consult a professional or replace the blades.
- **Replacement:** Replace blades if they are severely bent, cracked, or worn beyond safe limits.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Poor cut quality (ragged edges)	Dull or damaged blades	Sharpen or replace blades.
Excessive vibration during operation	Unbalanced or bent blades; loose blade bolts	Inspect blades for damage and balance. Ensure blade bolts are tightened to specifications. Replace damaged blades.
Ineffective bagging	Clogged deck or bagging chute; wet grass; dull blades	Clean deck and chute. Mow when grass is dry. Sharpen or replace blades.

9. SPECIFICATIONS

- **Product Name:** Arnold 48-Inch High-Lift Bagging Blade Set
- **Model Number:** 490-110-0149
- **Quantity:** 3 Blades per set
- **Deck Size Compatibility:** 48 inches
- **Center Hole Type:** 5-point Star
- **Blade Dimensions (each):** Approximately 17.5 x 2.63 x 1.5 inches
- **Item Weight (set):** Approximately 5.17 pounds
- **Replaces OEM Part Numbers:** 180054, 532-180054, 173920, 532-173920

10. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the Arnold product packaging or visit the official Arnold brand website. Keep your purchase receipt for warranty claims.

11. ABOUT ARNOLD

Arnold is a brand known for providing quality outdoor power equipment parts and accessories. As part of the MTD family of brands, Arnold products are designed to meet the needs of various lawn and garden equipment.



Image: MTD, the parent company of Arnold, is a global leader in outdoor power equipment.



Image: Examples of other brands within the MTD family, demonstrating a broad range of outdoor power equipment solutions.