Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Briggs & Stratton 704425

Briggs & Stratton 46-inch Hi-Lift Mower Blade Model 704425 Instruction Manual

Introduction

This manual provides essential information for the safe and effective use, installation, and maintenance of your Briggs & Stratton 46-inch Hi-Lift Mower Blade, Model 704425. Please read these instructions thoroughly before attempting any installation or operation to ensure proper function and personal safety. This blade is a genuine OEM replacement part designed for specific Briggs & Stratton engine models and Snapper OEM applications.



This image shows the Briggs & Stratton 46-inch Hi-Lift mower blade, model 704425. It features a curved design for efficient grass lifting and cutting, with mounting holes for attachment to a mower deck.

Safety Information

Your safety and the safety of others are paramount. Always follow these safety guidelines when handling, installing, or maintaining mower blades.

General Safety Precautions

- **Read the Manual:** Always read and understand the entire instruction manual before attempting any work on your mower.
- **Wear Personal Protective Equipment (PPE):** Always wear heavy-duty gloves, safety glasses, and appropriate footwear when handling mower blades. Blades are sharp and can cause severe injury.
- **Disconnect Power:** Before performing any maintenance or installation, ensure the mower engine is off, the spark plug wire is disconnected, and the key is removed to prevent accidental starting.
- **Stable Surface:** Work on a flat, stable surface. Use appropriate lifting equipment or stands to secure the mower if it needs to be tilted.
- **Keep Children and Pets Away:** Ensure no one is in the immediate work area.

Blade Specific Safety

- **Sharp Edges:** Mower blades have sharp edges. Handle with extreme care to avoid cuts.
- **Proper Installation:** Incorrectly installed blades can become projectiles, causing serious injury or damage. Ensure the blade is installed correctly and securely.
- **Blade Balance:** An unbalanced blade can cause excessive vibration, leading to premature wear of mower components and an uneven cut. If sharpening, ensure the blade remains balanced.

Setup and Installation

Follow these steps carefully to install your new Briggs & Stratton 46-inch Hi-Lift Mower Blade.

Required Tools

- Heavy-duty work gloves
- Safety glasses
- Wrench or socket set (appropriate size for blade bolt)
- Torque wrench
- Wood block or blade-holding tool

Blade Removal (Old Blade)

1. Ensure the mower engine is off, the spark plug wire is disconnected, and the key is removed.
2. Tilt the mower onto its side with the carburetor facing up to prevent fuel leakage, or raise it securely using a jack or ramps.
3. Place a wood block between the blade and the mower deck to prevent the blade from turning while loosening the bolt.
4. Using the appropriate wrench or socket, loosen and remove the blade bolt. Note the orientation of any washers or spacers.
5. Carefully remove the old blade. Inspect the blade adapter for any damage or wear.

Blade Installation (New Blade)

1. Ensure the new Briggs & Stratton blade is oriented correctly. The cutting edge should face the direction of rotation (usually towards the ground when installed). The curved 'lift' portion should point upwards towards the mower deck.
2. Align the center hole of the blade with the blade adapter and ensure any alignment pins or star patterns on the adapter fit into the corresponding holes/patterns on the blade.
3. Reinstall any washers or spacers in their original orientation.
4. Thread the blade bolt by hand to ensure it is not cross-threaded.
5. Place the wood block between the blade and the mower deck again.

6. Tighten the blade bolt using a torque wrench to the manufacturer's specified torque setting. Refer to your mower's owner's manual for the exact torque specification, typically between 40-60 ft-lbs (54-81 Nm). **Do not overtighten or undertighten.**
7. Remove the wood block and return the mower to its operating position.
8. Reconnect the spark plug wire.

Operation

Once the blade is installed, follow these guidelines for optimal mowing performance.

Pre-Operation Check

- Verify the blade bolt is securely tightened to the specified torque.
- Ensure the mower deck is clear of debris and obstructions.
- Check that the blade spins freely without hitting any part of the deck.

Mowing Guidelines

- **Proper Cutting Height:** Adjust your mower's cutting height to suit the grass type and conditions. Avoid cutting more than one-third of the grass blade length at a time.
- **Overlap Passes:** Overlap each mowing pass slightly to ensure an even cut and prevent missed strips.
- **Avoid Obstacles:** Be vigilant for rocks, branches, and other debris that could damage the blade or be thrown by it.
- **Clean Deck:** Regularly clean the underside of the mower deck to prevent grass buildup, which can impede blade performance and airflow.

Maintenance

Regular maintenance of your mower blade ensures longevity and optimal cutting performance.

Regular Inspection

- **Check for Wear:** Periodically inspect the blade for signs of wear, nicks, bends, or cracks. Replace the blade if it shows significant damage.
- **Check for Balance:** An unbalanced blade can cause excessive vibration. If you notice increased vibration, remove and inspect the blade for balance.
- **Cleanliness:** Keep the blade and surrounding deck area clean of grass clippings and debris.

Blade Sharpening

A sharp blade provides a clean cut, which is healthier for your lawn. Dull blades tear grass, leading to browning and disease.

- Sharpen the blade regularly, or as needed, using a file or grinder. Maintain the original blade angle.
- After sharpening, always check the blade for balance. An unbalanced blade can cause severe vibration and damage to your mower.
- If you are unsure about sharpening or balancing, it is recommended to have it done by a qualified service technician.

Blade Replacement

Replace the blade if it is severely bent, cracked, or worn beyond safe limits. Refer to the "Blade Installation" section for detailed replacement instructions.

Troubleshooting

This section addresses common issues you might encounter with your mower blade.

Problem	Possible Cause	Solution
Uneven Cut	Dull blade, bent blade, unbalanced blade, incorrect cutting height.	Sharpen or replace blade. Check blade for bends and balance. Adjust cutting height.
Excessive Vibration	Unbalanced blade, bent blade, loose blade bolt.	Check blade for balance and bends. Tighten blade bolt to specified torque.
Poor Grass Lift/Discharge	Dull blade, excessive grass buildup under deck, incorrect blade type for conditions.	Sharpen blade. Clean underside of mower deck. Ensure this hi-lift blade is appropriate for your mowing conditions.
Blade Loosens During Operation	Blade bolt not tightened to correct torque, damaged blade adapter.	Retighten blade bolt to specified torque. Inspect blade adapter for damage and replace if necessary.

Specifications

Key specifications for the Briggs & Stratton 46-inch Hi-Lift Mower Blade, Model 704425.

Feature	Detail
Brand	Briggs & Stratton
Model Number	704425
Cutting Width	46 Inches
Material	Steel (implied by blade type, original data says 'Plastic' which is incorrect for a blade)
Item Weight	2.68 Pounds
Product Dimensions	24 x 3 x 3 inches
UPC	047282030318

Warranty and Support

For warranty information regarding your Briggs & Stratton 46-inch Hi-Lift Mower Blade, please refer to the documentation provided with your original mower or contact Briggs & Stratton directly. As an OEM part, its warranty typically aligns with the manufacturer's parts warranty policy.

For technical support, replacement parts, or further assistance, please visit the official Briggs & Stratton website or contact their customer service department. You can often find contact information and support resources on their website: www.briggsandstratton.com

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B07B8VQK6M

More documents and user manuals: **https://manuals.plus/**