

[Manuals.plus](#) /

› [Stens](#) /

› Stens 285-976 Spindle Assembly Instruction Manual

Stens 285-976

Stens 285-976 Spindle Assembly Instruction Manual

Model: 285-976 | Brand: Stens

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Stens 285-976 Spindle Assembly. This component is a direct replacement part designed for specific zero-turn mowers. Adhering to these instructions will help ensure optimal performance and longevity of the spindle assembly.

PRODUCT OVERVIEW AND FEATURES

The Stens 285-976 Spindle Assembly is a critical component for the cutting deck of compatible zero-turn mowers. It is designed to hold the mower blade and allow it to rotate freely, ensuring efficient grass cutting. This assembly includes all necessary hardware for installation.



Figure 1: Front view of the Stens 285-976 Spindle Assembly, showing the top pulley and the main housing.





Figure 2: Side view of the Stens 285-976 Spindle Assembly, highlighting the mounting bolt holes and the lower shaft.

Key Features:

- **Complete Assembly:** Includes mounting bolts, blade bolt, and pulley nut for a comprehensive replacement.
- **Durable Construction:** Engineered for reliable performance in demanding outdoor power equipment applications.

- **Direct OEM Replacement:** Designed to replace Cub Cadet OEM numbers 618-06076A and 918-06076A.

COMPATIBILITY

This Stens 285-976 Spindle Assembly is compatible with the following zero-turn mower series:

- Cub Cadet Mustang XP series zero-turn mowers
- Cub Cadet Z Force series zero-turn mowers

Important: Always verify the part fits your specific model before purchasing and installing. Refer to your mower's service manual for exact part numbers and installation procedures.

SPECIFICATIONS

Attribute	Value
Description	Spindle Assembly
Height	8 7/8" (approx. 8.80")
Outer Diameter (OD) of Pulley	6 1/4" (approx. 6.22")
Includes	Mounting bolts, blade bolt, and pulley nut
Replaces OEM Numbers	Cub Cadet: 618-06076A, 918-06076A
Product Dimensions	11 x 8 x 8 inches
Item Weight	1 pound
Manufacturer	Stens
Model Number	285-976

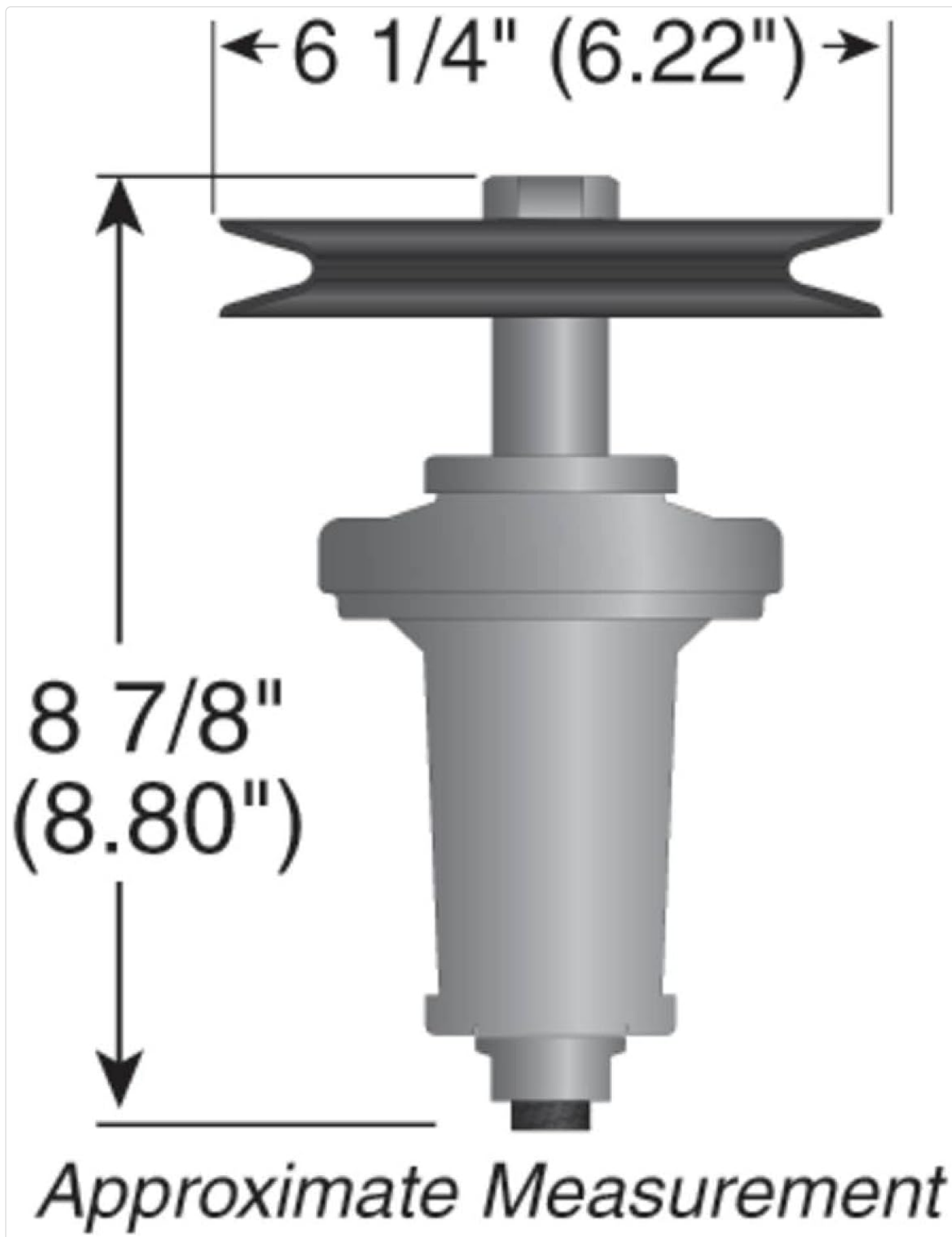


Figure 3: Dimensional diagram of the Stens 285-976 Spindle Assembly, indicating approximate height and pulley OD.

INSTALLATION AND SETUP

Replacing a spindle assembly requires mechanical aptitude and adherence to safety precautions. Always consult your mower's specific service manual for detailed, model-specific instructions. The following are general steps and safety

guidelines.

Safety Precautions:

- Always disconnect the spark plug wire(s) or remove the battery to prevent accidental engine starting.
- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Ensure the mower is on a stable, level surface and properly supported if lifting is required.
- Allow the engine and cutting deck to cool down before beginning work.

General Installation Steps:

1. **Prepare the Mower:** Disconnect the spark plug wire(s) or battery. If working on the deck, remove it from the mower frame if necessary, and flip it over to access the underside.
2. **Remove Old Spindle:**
 - Remove the blade bolt and the mower blade from the bottom of the spindle shaft.
 - Remove the pulley nut and the pulley from the top of the spindle shaft.
 - Unbolt the old spindle assembly from the mower deck. Note the orientation of the spindle and any spacers or washers.
3. **Clean Mounting Area:** Thoroughly clean any debris, rust, or old gasket material from the spindle mounting area on the mower deck.
4. **Install New Spindle:**
 - Position the new Stens 285-976 Spindle Assembly onto the mower deck, ensuring proper alignment with the mounting holes.
 - Secure the spindle assembly to the deck using the provided mounting bolts. Tighten bolts evenly and to the torque specifications found in your mower's service manual.
 - Reinstall the pulley onto the top shaft and secure it with the provided pulley nut. Tighten securely.
 - Reinstall the mower blade onto the bottom shaft, ensuring the blade is oriented correctly (cutting edge facing down). Secure it with the provided blade bolt. Tighten to the torque specifications in your mower's service manual.
5. **Final Checks:**
 - Ensure all bolts and nuts are tightened properly.
 - Verify the blade spins freely without obstruction.
 - If the deck was removed, reinstall it onto the mower frame.
 - Reconnect the spark plug wire(s) or battery.

OPERATING CONSIDERATIONS

Once the new spindle assembly is installed, ensure proper operation by performing a test run in a safe, open area. Listen for any unusual noises or vibrations. The spindle assembly should allow the blade to rotate smoothly and quietly. Regularly inspect the cutting deck and spindle assemblies for any signs of wear, damage, or loose components before each use.

MAINTENANCE

Proper maintenance extends the life of your spindle assembly and ensures safe operation of your mower.

Recommended Maintenance Schedule:

- **Before Each Use:**
 - Inspect the spindle assembly for any visible damage, cracks, or excessive play.
 - Check that the blade bolt and mounting bolts are tight.
- **Every 25 Hours of Operation or Annually (whichever comes first):**
 - Clean the area around the spindle to prevent debris buildup.
 - If your spindle assembly has a grease fitting (some models do, this one appears to have one based on images), apply a small amount of appropriate grease until resistance is felt. Do not over-grease. Consult your mower's manual for grease type and frequency.
 - Inspect bearings for smooth operation. If bearings feel rough or noisy, replacement may be necessary.

Note: This spindle assembly includes a grease fitting. Regular lubrication is crucial for bearing longevity.

TROUBLESHOOTING

This section addresses common issues related to spindle assemblies. If problems persist, consult a qualified service technician.

Problem	Possible Cause	Solution
Excessive Noise/Vibration from Deck	• Worn or damaged spindle bearings. • Loose blade bolt or mounting bolts. • Bent or unbalanced mower blade. • Debris wrapped around spindle shaft.	• Inspect and replace spindle if bearings are faulty. • Tighten all bolts to specifications. • Inspect and replace blade if bent or damaged. • Clean debris from around the spindle.
Blade Not Spinning Freely	• Debris buildup under the deck or around the spindle. • Spindle seized due to lack of lubrication or bearing failure. • Incorrectly installed blade or pulley.	• Clean the deck and spindle area thoroughly. • Lubricate spindle if applicable; replace if seized. • Recheck blade and pulley installation.
Poor Cut Quality	• Worn or dull mower blade (not directly spindle related, but often associated). • Spindle shaft bent (rare, but possible from impact).	• Sharpen or replace mower blade. • Inspect spindle shaft for straightness; replace spindle if bent.

WARRANTY AND SUPPORT

Stens provides a warranty for this product to ensure customer satisfaction.

Warranty Information:

- **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, undamaged condition.
- **1-Year Warranty:** Beyond the 30-day return period, the product will be replaced within one year of your order date if it is found to be defective.

Customer Support:

For further assistance, technical questions, or warranty claims, please contact Stens customer support through their official channels. Refer to the packaging or the Stens website for current contact information.

You can also visit the [Stens Store on Amazon](#) for more information and products.

© 2024 Stens. All rights reserved. This manual is for informational purposes only.

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