

Stens 285-110

Stens 285-110 Spindle Assembly Instruction Manual

For MTD 600 and 805 Series 32", 38", and 42" Deck Lawn Mowers

1. INTRODUCTION AND OVERVIEW

This manual provides detailed instructions for the installation, maintenance, and specifications of the Stens 285-110 Spindle Assembly. This spindle assembly is designed as a replacement part for specific MTD lawn mower models.

Compatibility:

- MTD 600 and 805 series 32" and 42" deck "G"
- MTD 600 and 805 series 38" deck "F"

Replaces OEM Numbers:

- MTD: 717-0906, 717-0906A, 753-05319, 917-0906A

2. PRODUCT COMPONENTS

The Stens 285-110 Spindle Assembly includes the following key features:

- Spindle Assembly with splined shaft
- Height: 5 1/2 inches



Image 1: The Stens 285-110 Spindle Assembly, showing the splined shaft and mounting plate.

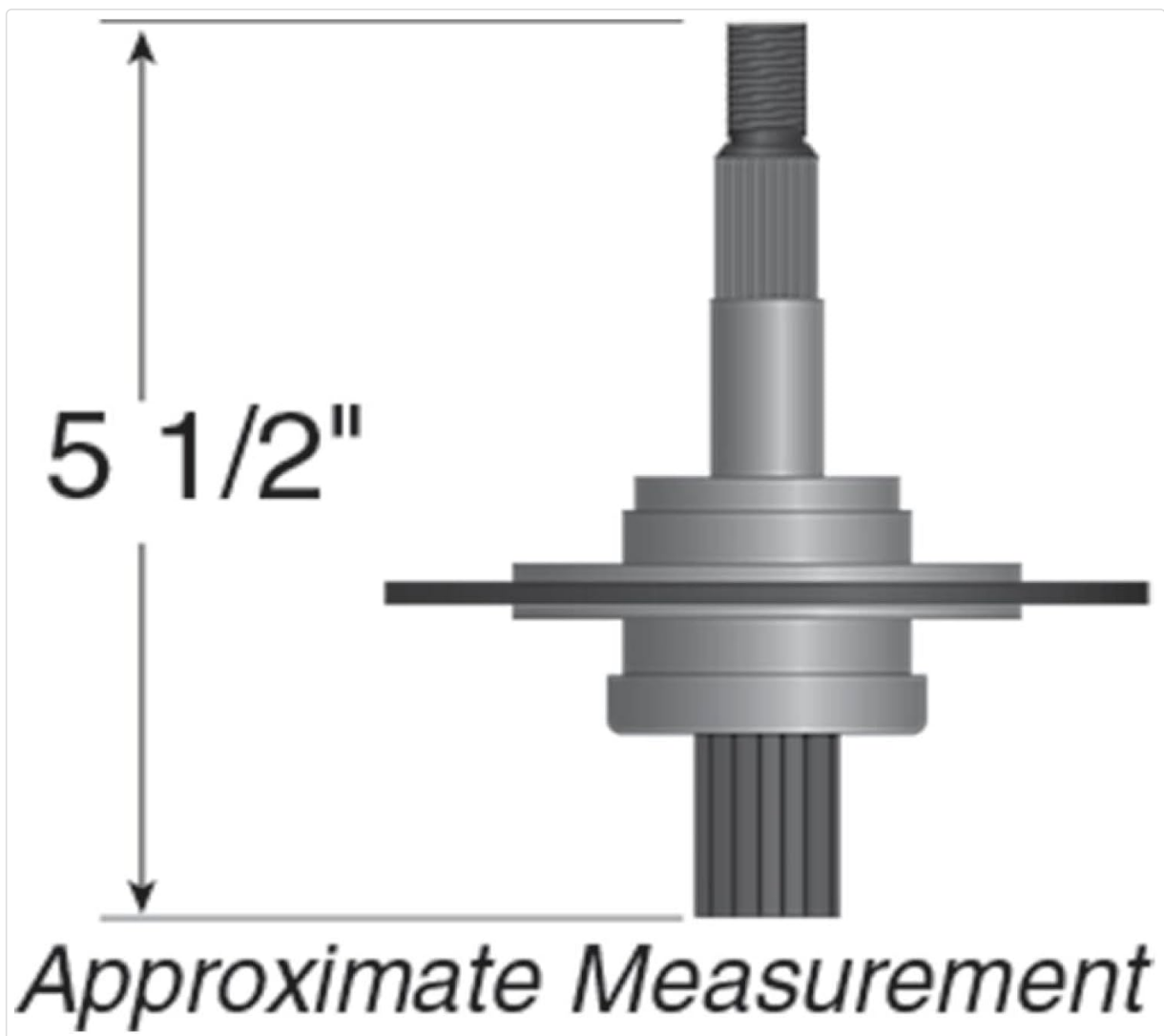


Image 2: Diagram illustrating the approximate 5 1/2 inch height of the spindle assembly.

3. INSTALLATION INSTRUCTIONS

Follow these steps to replace the spindle assembly on your MTD lawn mower. Always ensure the mower is turned off, the spark plug wire is disconnected, and appropriate safety gear is worn before beginning any maintenance.

1. **Prepare the Mower:** Position the mower on a stable, flat surface. Disconnect the spark plug wire to prevent accidental starting.
2. **Remove Spindle Pulley:** Use an appropriate tool to remove the nut securing the spindle pulley. Carefully lift the pulley and belt off the spindle shaft.
3. **Remove Blade:** Secure the blade to prevent it from turning (e.g., with a block of wood). Remove the nut and washer holding the blade, then remove the blade.
4. **Remove Old Spindle:** Locate and remove the bolts that secure the old spindle assembly to the mower deck. Carefully lift the old spindle assembly out.
5. **Install New Spindle:** Position the new Stens 285-110 Spindle Assembly into the opening on the mower deck. Ensure it is correctly aligned.
6. **Secure New Spindle:** Reinstall the spindle bolts and tighten them securely to fasten the new spindle assembly to the deck.
7. **Reinstall Blade:** Place the blade back onto the spindle shaft, ensuring it is oriented correctly. Reinstall the washer and nut, then tighten securely.
8. **Reinstall Pulley and Belt:** Place the belt back onto the new spindle pulley, then position the pulley

onto the spindle shaft. Reinstall the nut and tighten it to secure the pulley.

9. **Final Check:** Verify all components are securely fastened and the belt is properly routed. Reconnect the spark plug wire.

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Video 1: A visual guide demonstrating the process of removing and replacing a lawn mower spindle assembly. This video covers steps such as removing the spindle pulley, detaching the blade, unbolting the old spindle, installing the new spindle, and reassembling the components.

4. OPERATING CONSIDERATIONS

After installation, ensure the mower deck is properly leveled according to your mower's manufacturer specifications. This ensures an even cut and reduces strain on the spindle assembly and other deck components.

5. MAINTENANCE

Regular maintenance helps extend the life of your spindle assembly and ensures optimal mower performance:

- **Inspect Regularly:** Periodically check the spindle assembly for any signs of wear, damage, or looseness.
- **Clean Deck:** Keep the underside of the mower deck clean to prevent grass clippings and debris from accumulating around the spindle, which can cause imbalance and premature wear.
- **Blade Sharpening/Replacement:** Ensure blades are sharp and balanced. Dull or unbalanced blades can put excessive stress on the spindle bearings.
- **Lubrication:** Refer to your mower's specific manual for any lubrication requirements for the spindle bearings.

6. TROUBLESHOOTING

If you experience issues after replacing the spindle assembly, consider the following:

- **Excessive Vibration:** Check if the blade is properly balanced and securely tightened. Ensure the spindle bolts are tight and the spindle is correctly seated.
- **Unusual Noise:** Listen for grinding or squealing sounds, which may indicate bearing issues. Verify all components are installed correctly and not rubbing.
- **Uneven Cut:** Re-check the mower deck leveling and ensure blades are sharp and installed correctly.

If problems persist, consult a qualified service technician or refer to your mower's original service manual.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	12 x 10 x 12 inches
Item Weight	2.9 pounds
Manufacturer	Stens

Item Model Number	285-110
Spindle Shaft Type	Splined
Spindle Height	5 1/2 inches

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts, please refer to the official Stens website or contact their customer service directly. This manual does not contain specific warranty details.

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