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› Spindle Assembly for MTD LT160 LT165 GT180 GT185, White Outdoor LT-16, 618-0111 618-0116 618-0116A 618-0116B 618-0116C 618-0116P 918-0116 918-0116B 918-0116C - Instruction Manual

AEagle AESD0150-AB1

Spindle Assembly Instruction Manual

Model: AESD0150-AB1 | Brand: AEagle

1. INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, maintenance, and troubleshooting of your AEagle Spindle Assembly. Please read this manual thoroughly before attempting any installation or maintenance to ensure safe and effective use of the product.



Figure 1: AEGLE Spindle Assembly. This image shows the complete spindle assembly, including the housing, shaft, and pulley, ready for installation.

2. PRODUCT COMPATIBILITY

The AEGLE Spindle Assembly is designed as a replacement part for specific lawn tractor models and part numbers. Verify your equipment's specifications against the following compatibility list:

2.1 Replaces Part Numbers:

- MTD: 618-0111, 618-0116, 618-0116A, 618-0116B, 618-0116C, 618-0116P
- MTD: 918-0116, 918-0116B, 918-0116C

2.2 Compatible with Lawn Tractors:

- For MTD 46" decks, 1995 and 1996 models, specifically those using a 6-point star center hole design.
- MTD LT160, LT165, GT180, GT185 Lawn Tractors
- White Outdoor LT-16 (136T686H190) Garden Tractor (GT)

3. PRODUCT FEATURES AND DESIGN

The AEagle Spindle Assembly is engineered for durability and precise fitment, ensuring optimal performance for your lawn mower deck.

- **6-Point Star Shaped Blade Mount:** Designed for a secure and exact fit with OEM blades, preventing slippage and ensuring efficient cutting.
- **Grease Fitting:** Equipped with a grease fitting for easy lubrication, extending the lifespan of the bearings. The unit is pre-greased from the factory.
- **4 Mounting Holes:** Features four precisely positioned mounting holes for secure attachment to the mower deck.
- **High-Strength Construction:** Built with thick side walls and a cast-iron housing to withstand harsh operating conditions and increase strength by 50%.
- **Hardened Spindle Shaft:** Provides superior strength and resistance to high temperatures and wear.
- **Tapered Roller Bearings:** Offers 50% more load capacity compared to standard ball bearings, effectively handling both radial and axial loads simultaneously.
- **Includes 4 Threaded Mounting Bolts:** Supplied with 10.9 Grade studs, offering high tensile and yield strength ($\geq 1000\text{mpa}$) for a robust installation.

6 POINT STAR SHAPED BLADE MOUNT

A Secure And Exact Fit With OEM Blade



Figure 2: Close-up of the 6-point star shaped blade mount, designed for a precise and secure fit with compatible mower blades.



GREASE FITTING

Already pre-greased and ready to use. You don't need extra lubrication.



FITS PART NUMBER

for 618-0111, 618-0116, 618-0116, A918-0116, 918-0116B, 918-0116C, etc. Check more details in description



4 MOUNTING HOLES

Before purchasing, please make sure mounting holes are the same as your original.



Figure 3: Details showing the grease fitting for lubrication and the four mounting holes for secure attachment to the mower deck.

INCLUDES 4 THREADED MOUNTING BOLTS

10.9 Grade Studs, High Tensile & Yield Strength On Bolt ≥ 1000 mpa



Figure 4: Illustration of the high-grade threaded mounting bolts included with the spindle assembly, ensuring a strong and reliable connection.

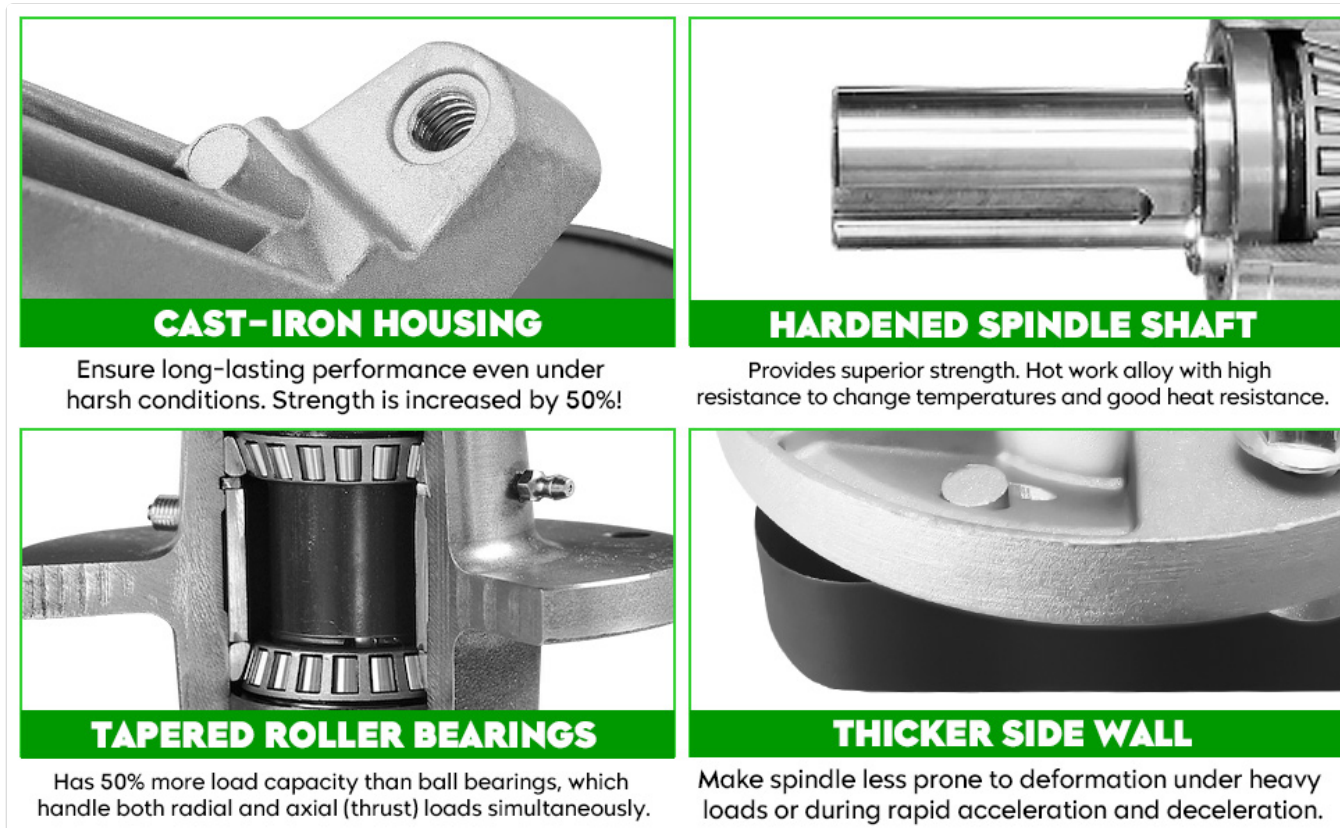


Figure 5: Diagram illustrating the robust internal components, including the cast-iron housing, hardened spindle shaft, tapered roller bearings, and thicker side walls, all contributing to enhanced durability.

4. SETUP AND INSTALLATION

Safety First: Always disconnect the spark plug wire and remove the ignition key (if applicable) before performing any maintenance or installation on your lawn mower to prevent accidental starting.

1. **Prepare the Mower:** Park the lawn mower on a flat, stable surface. Engage the parking brake. Ensure the engine is cool.
2. **Access the Deck:** Depending on your mower model, you may need to remove the mower deck from the tractor or raise the front of the mower to access the underside of the deck.
3. **Remove Old Spindle:**
 - Carefully remove the mower blade attached to the old spindle. Note the orientation of the blade for correct reinstallation.
 - Unbolt the old spindle assembly from the mower deck. There are typically four mounting bolts.
 - Remove any debris or rust from the mounting area on the deck.
4. **Install New Spindle:**
 - Position the new AEagle Spindle Assembly onto the mower deck, aligning the four mounting holes.
 - Secure the spindle assembly using the provided 10.9 Grade threaded mounting bolts. Tighten bolts evenly and securely to the manufacturer's recommended torque specifications for your mower deck.
 - Reattach the mower blade to the spindle shaft, ensuring the 6-point star shaped mount engages correctly and the blade is oriented in the original cutting direction. Tighten the blade bolt securely.

5. **Reassemble Mower:** Reattach the mower deck to the tractor if it was removed. Reconnect the spark plug wire.

Note: Before purchasing, verify that the mounting hole distances and overall dimensions of this spindle assembly match your original part. Refer to Figure 6 for detailed measurements.

MEASUREMENT

Manual measurement within 0.2" of tolerance

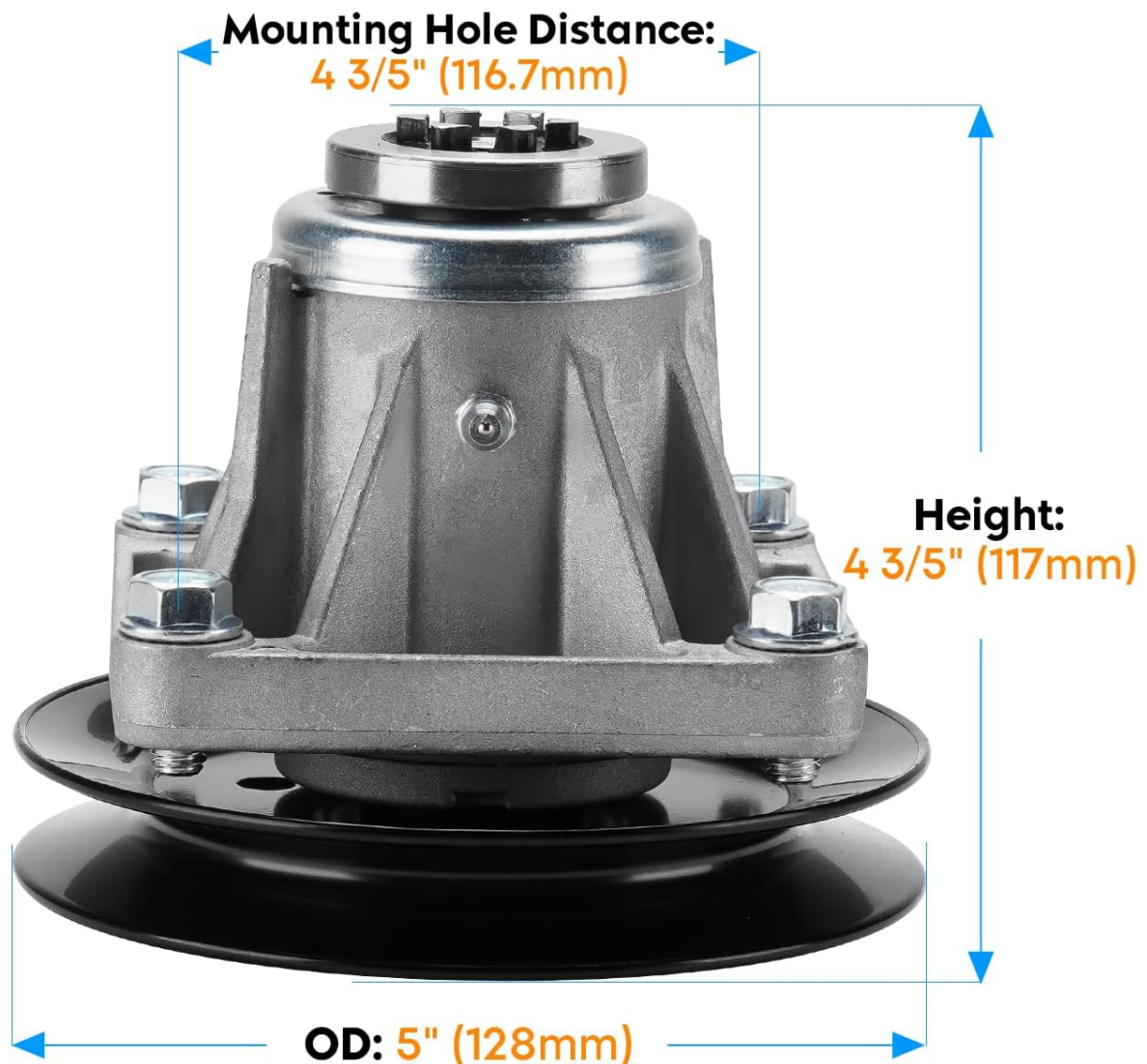


Figure 6: Dimensional drawing of the spindle assembly, showing mounting hole distance, height, and outer diameter (OD) for verification against existing parts.

5. OPERATION

The spindle assembly is a critical component of your lawn mower's cutting deck, facilitating the rotation of the mower blades. Once properly installed, the spindle assembly operates automatically as part of the mower's power transmission system when the mower deck is engaged.

Ensure that the mower blades are sharp and balanced for optimal cutting performance and to reduce strain on the spindle assembly.

6. MAINTENANCE

Regular maintenance of your spindle assembly will extend its lifespan and ensure consistent performance.

- **Lubrication:** The AEagle Spindle Assembly comes pre-greased. However, periodic lubrication through the grease fitting is recommended, especially after prolonged use or exposure to wet conditions. Use a high-quality lithium-

based grease suitable for bearings. Consult your mower's owner's manual for specific lubrication intervals.

- **Inspection:** Regularly inspect the spindle assembly for signs of wear, damage, or looseness. Check the mounting bolts for tightness.
- **Cleaning:** Keep the area around the spindle assembly clean from grass clippings and debris, which can cause overheating or premature wear.
- **Blade Condition:** Ensure mower blades are sharp and balanced. Unbalanced blades can cause excessive vibration, leading to premature wear of the spindle bearings.

7. TROUBLESHOOTING

If you experience issues with your mower deck after installing or during use of the spindle assembly, consider the following common troubleshooting steps:

Symptom	Possible Cause	Solution
Excessive Noise/Vibration	Loose mounting bolts, unbalanced blade, worn bearings, debris in spindle.	Check and tighten mounting bolts. Inspect and balance/replace blade. Lubricate spindle. Clean deck area.
Blade Not Spinning Freely	Obstruction, seized bearings, incorrect blade installation.	Clear obstructions. Lubricate or replace spindle if bearings are seized. Reinstall blade correctly.
Poor Cut Quality	Dull blade, bent blade, incorrect blade height, worn spindle.	Sharpen or replace blade. Check blade for bends. Adjust deck height. Inspect spindle for excessive play.

If issues persist after troubleshooting, it may indicate a need for professional inspection or replacement of components.

8. SPECIFICATIONS

Attribute	Value
Model Number	AESD0150-AB1
Manufacturer	AEagle
Item Weight	3.89 pounds
Package Dimensions	5.51 x 5.51 x 5.12 inches
Blade Mount Type	6-Point Star
Mounting Holes	4

9. WARRANTY INFORMATION

The AEagle Spindle Assembly comes with a **One-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service. Please retain your proof of purchase for warranty claims. For warranty service or inquiries, please contact AEagle customer support.

10. CUSTOMER SUPPORT

If you have any questions regarding the installation, operation, or maintenance of your AEagle Spindle Assembly, or if you require technical assistance, please contact the manufacturer's customer support. Refer to the product packaging or the AEagle official website for contact details.

When contacting support, please have your product model number (AESD0150-AB1) and purchase information readily available.

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.

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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