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> 8TEN Mower Spindle Instruction Manual for Exmark Lazer Z HP 48-Inch Deck (Model 810-CSP2320N)

8TEN 810-CSP2320N

8TEN Mower Spindle Instruction Manual

Model: 810-CSP2320N

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your 8TEN Mower Spindle. Please read these instructions carefully before proceeding with installation or use to ensure safe and efficient performance. This spindle is designed as a replacement part for specific Exmark Lazer Z HP models.

2. PRODUCT OVERVIEW AND COMPATIBILITY

The 8TEN Mower Spindle (Model 810-CSP2320N) is a high-quality replacement component designed to restore cutting capability and consistency to your lawn mower deck.

Compatible Models and OEM Part Numbers:

- **OEM Part Number:** Exmark 103-1105
- **Compatible with Exmark Lazer Z HP models:**
 - LHP4820KC S/N 320,000-369,999 (2002)
 - LHP4818KC S/N 260,000-319,999 (2001)
 - LHP4821KA S/N 260,000-369,999 (2001-2002)



Figure 2.1: Front view of the 8TEN Mower Spindle Assembly.

3. SAFETY INFORMATION

Always prioritize safety when working with power equipment and replacement parts. Failure to follow safety instructions can result in serious injury.

- **Disconnect Power:** Before performing any maintenance or installation, ensure the mower engine is off, the spark plug wire is disconnected, and the battery is disconnected (if applicable) to prevent accidental starting.
- **Wear Protective Gear:** Always wear safety glasses, gloves, and appropriate footwear.
- **Secure the Mower:** Use jack stands or other stable supports to secure the mower when working underneath it. Never rely solely on a jack.
- **Read Mower Manual:** Refer to your mower's original instruction manual for specific safety procedures and deck removal instructions.
- **Proper Tools:** Use the correct tools for the job to avoid damage to parts or injury.

4. SETUP AND INSTALLATION

This section outlines the general steps for replacing a mower spindle. Specific procedures may vary based on your mower model. Always consult your mower's service manual for detailed instructions.

Required Materials (Not Included):

- Six (6) 3/8" x 1" Grade 5 bolts
- Corresponding lock nuts or nuts with lock washers
- Grease gun and appropriate grease for zerk fittings

Installation Steps:

1. **Prepare the Mower:** Ensure the mower is turned off, cooled down, and all power sources are disconnected as per the safety guidelines.
2. **Remove Mower Deck:** Carefully remove the mower deck from the tractor according to your mower's manual. Place it on a stable, flat surface.
3. **Remove Blades:** Remove the cutting blades from the underside of the spindle. Note the orientation of the blades for correct reinstallation.
4. **Remove Old Spindle:** Unbolt and remove the old spindle assembly from the mower deck. Keep track of any spacers or washers.
5. **Clean Mounting Area:** Clean any debris or rust from the spindle mounting area on the deck.
6. **Install New Spindle:** Position the new 8TEN Mower Spindle (Model 810-CSP2320N) onto the deck. Secure it using the new 3/8" x 1" Grade 5 bolts and lock nuts/washers. Tighten bolts evenly and to the manufacturer's recommended torque specifications (refer to your mower manual).
7. **Grease Spindle:** Locate the grease zerk fitting on the new spindle. Use a grease gun to pump appropriate grease into the fitting until resistance is felt or a small amount of grease purges from the seals.
8. **Reinstall Blades:** Attach the cutting blades to the new spindle, ensuring they are oriented correctly. Tighten the blade bolts to the manufacturer's recommended torque.
9. **Reinstall Mower Deck:** Reattach the mower deck to the tractor, following your mower's manual.
10. **Final Check:** Before starting the mower, double-check all connections, bolts, and ensure the deck is properly aligned and secured.



Figure 4.1: Side view of the 8TEN Mower Spindle, showing the grease zerk fitting.

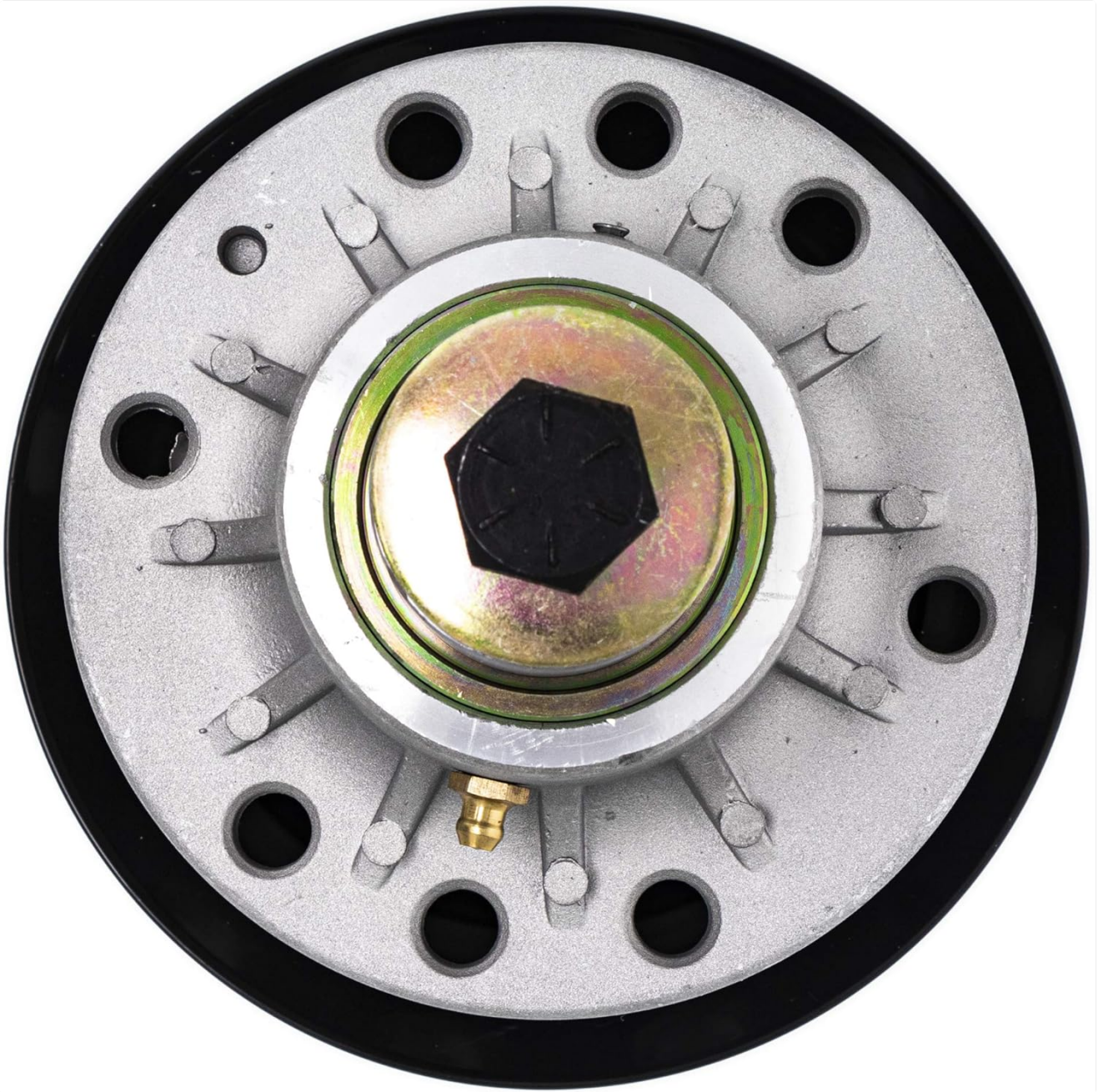


Figure 4.2: Top view of the 8TEN Mower Spindle, showing mounting holes.



Figure 4.3: Bottom view of the 8TEN Mower Spindle.

5. OPERATING

After successful installation of the 8TEN Mower Spindle, operate your lawn mower according to the manufacturer's instructions. The new spindle should provide smooth and consistent blade rotation, contributing to an improved cutting performance.

- **Initial Run:** Perform a short test run in a clear area to ensure proper function and listen for any unusual noises.
- **Blade Engagement:** Engage the mower blades slowly and ensure they spin freely without obstruction.
- **Regular Use:** Continue to operate your mower as usual, observing for any changes in performance or sound.

6. MAINTENANCE

Regular maintenance extends the life of your mower spindle and ensures optimal performance.

- **Greasing:** The 8TEN Mower Spindle is equipped with a grease zerk fitting. It is recommended to grease the spindle periodically, typically after every 25 hours of operation or at the beginning of each mowing season, or as specified by your mower's maintenance schedule. Use a high-quality lithium-based grease.
- **Inspection:** Regularly inspect the spindle for any signs of wear, damage, or looseness. Check the blade attachment bolts for

proper tightness.

- **Cleaning:** Keep the area around the spindle free of grass clippings and debris to prevent buildup and ensure proper cooling.

7. TROUBLESHOOTING

If you encounter issues after installing your 8TEN Mower Spindle, consider the following:

- **Spindle Does Not Fit:** Double-check the compatibility information in Section 2. Verify your mower's model number and OEM part number against the listed compatible models. Ensure you have the correct spindle for your specific deck size and year.
- **Excessive Vibration or Noise:**
 - Ensure all mounting bolts are tightened to specifications.
 - Check that the cutting blades are balanced and properly installed.
 - Verify that the spindle has been adequately greased.
- **Poor Cut Quality:**
 - Inspect blades for sharpness and damage.
 - Ensure blades are installed in the correct orientation.
 - Check for proper deck leveling and tire pressure.

If issues persist, consult a qualified service technician or contact 8TEN customer support.

8. SPECIFICATIONS

Product Dimensions	8.3 x 6.8 x 6.5 inches
Item Weight	8 ounces
Item Model Number	810-CSP2320N
Manufacturer	Mishon Inc
ASIN	B07QS4YKNF

9. WARRANTY AND SUPPORT

8TEN stands behind the quality of its products.

Warranty Information:

This 8TEN Mower Spindle comes with an **810-Day Warranty**. For specific terms and conditions, please refer to the official 8TEN Parts website or contact customer support.



Figure 9.1: 8TEN Parts 810-Day Warranty.

Customer Support:

For further assistance, technical support, or warranty claims, please visit the official 8TEN Parts website or contact their customer service department. You can also visit the [8TEN Store on Amazon](#).

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Video 9.1: An overview of 8TEN aftermarket lawn and garden replacement parts, including spindles.