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### CUB CADET 918-07255

# CUB CADET 918-07255 Spindle Assembly Instruction Manual

## 1. INTRODUCTION

This manual provides essential information for the CUB CADET 918-07255 Spindle Assembly. This component is an Original Equipment Manufacturer (OEM) replacement part designed for specific Cub Cadet zero-turn mower models. It replaces the prior Manufacturer Part Number (MPN) 618-07255.

**Compatibility:** This spindle assembly is compatible with Cub Cadet Pro Z 154-L EFI and Pro Z 154-S EFI models. Always refer to your original equipment owner's manual to verify compatibility and ensure correct part selection.

**Safety Information:** Before attempting any installation or maintenance, ensure the equipment is turned off, the spark plug wire is disconnected (for gasoline engines), and all moving parts have come to a complete stop. Wear appropriate personal protective equipment, including gloves and eye protection. Failure to follow safety instructions can result in serious injury.



Figure 1: CUB CADET 918-07255 Spindle Assembly, overall view.

## 2. PRODUCT OVERVIEW

The spindle assembly is a critical component of a lawn mower's cutting deck. It houses the bearings that allow the cutting blade to rotate freely and efficiently. A properly functioning spindle assembly ensures consistent blade rotation, contributing to an even cut and reducing vibration.

This OEM part is manufactured to Cub Cadet's specifications, ensuring proper fit and performance for the designated models.

## 3. INSTALLATION INSTRUCTIONS

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

### 1. Preparation:

- Park the mower on a flat, level surface.
- Engage the parking brake.
- Turn off the engine and remove the ignition key.

- Disconnect the spark plug wire to prevent accidental starting.
- Allow the engine and any hot components to cool down.
- Wear heavy-duty gloves and eye protection.

## **2. Access the Deck:**

- Lower the cutting deck to its lowest position.
- If necessary, remove the cutting deck from the mower frame according to your mower's service manual. This often involves disconnecting the drive belt and lift arms.
- Flip the deck over to access the underside.

## **3. Remove the Old Spindle Assembly:**

- Carefully remove the cutting blade attached to the spindle. Note the orientation of the blade for correct reinstallation.
- Locate the bolts securing the spindle assembly to the deck. These are typically on the top side of the deck.
- Remove these bolts. The old spindle assembly can then be lifted out from the deck.



Figure 2: Side view of the spindle assembly, showing mounting points.

#### 4. Install the New Spindle Assembly:

- Position the new CUB CADET 918-07255 Spindle Assembly into the opening on the deck. Ensure the mounting holes align correctly.
- Insert and hand-tighten the mounting bolts from the top of the deck.
- Tighten the bolts evenly and securely to the manufacturer's specified torque settings. Overtightening

or uneven tightening can damage the deck or the spindle.



Figure 3: Top view of the spindle assembly, showing the bolt for blade attachment.



Figure 4: Bottom view of the spindle assembly, showing the blade mounting area and part label.

#### 5. Reattach Blade and Deck:

- Reattach the cutting blade to the spindle shaft, ensuring it is oriented correctly. Tighten the blade bolt to the manufacturer's specified torque.
- Reinstall the cutting deck onto the mower, reconnecting the drive belt and lift arms as per your mower's service manual.

#### 6. Final Check:

- Ensure all bolts are tightened and all connections are secure.
- Verify that the blade spins freely without obstruction.
- Reconnect the spark plug wire.

## 4. OPERATION

The CUB CADET 918-07255 Spindle Assembly functions as an integral part of your mower's cutting deck. Once correctly installed, it facilitates the rotation of the cutting blade when the mower's Power Take-Off (PTO) is engaged. There are no specific operational steps for the spindle assembly itself, as its function is automatic and dependent on the mower's operation.

For instructions on operating your Cub Cadet zero-turn mower, including engaging and disengaging the cutting deck, please refer to your mower's comprehensive owner's manual.

## 5. MAINTENANCE AND CARE

The 918-07255 Spindle Assembly is typically a sealed unit, meaning it does not require regular lubrication. Maintenance primarily involves periodic inspection:

- **Visual Inspection:** Regularly inspect the spindle assembly for any signs of damage, cracks, or excessive wear. Check the mounting bolts for tightness.
- **Noise and Vibration Check:** During mower operation, listen for unusual noises (grinding, squealing) coming from the deck area. Excessive vibration can also indicate a failing spindle.
- **Blade Play:** With the mower off and spark plug disconnected, attempt to move the cutting blade up and down or side to side. Any significant play indicates worn bearings within the spindle assembly, requiring replacement.
- **Cleaning:** Keep the area around the spindle assembly free of grass clippings and debris to prevent buildup that could impede performance or cause overheating.

If any issues are detected, the spindle assembly should be replaced promptly to prevent further damage to the mower deck or potential safety hazards. Refer to your mower's maintenance schedule for recommended inspection intervals.

## 6. TROUBLESHOOTING

Issues related to the spindle assembly typically manifest as problems with the cutting blade's performance or unusual noises from the deck.

Symptom	Possible Cause	Solution
Excessive vibration from the cutting deck	Worn spindle bearings, bent spindle shaft, loose mounting bolts.	Inspect spindle for play. Tighten mounting bolts. If play or damage is present, replace the spindle assembly. Ensure blades are balanced.
Grinding or squealing noise from the deck	Failing spindle bearings.	Replace the spindle assembly.
Blade does not spin freely or is difficult to turn by hand (with power off)	Seized or damaged spindle bearings, debris obstruction.	Clear any obstructions. If still stiff, replace the spindle assembly.
Uneven cut quality	Bent spindle shaft, loose blade, worn spindle.	Inspect spindle for damage or play. Ensure blade is tight and not bent. Replace spindle assembly if damaged.

If troubleshooting steps do not resolve the issue, or if you are unsure about the repair process, it is recommended to consult a qualified service technician or refer to your mower's official service manual.

## 7. SPECIFICATIONS

- **Part Number:** 918-07255 (OEM CUB CADET)
- **Replaces Part Number:** 618-07255
- **Manufacturer:** CUB CADET
- **Product Dimensions:** 12.5 x 8.12 x 7.25 inches

- **Item Weight:** 6.82 pounds
- **Compatibility:** Cub Cadet Pro Z 154-L EFI, Pro Z 154-S EFI

## **8. WARRANTY AND SUPPORT**

For specific warranty information regarding your CUB CADET 918-07255 Spindle Assembly, please refer to the documentation provided at the time of purchase or contact the authorized CUB CADET dealer or the seller from whom the part was acquired. Warranty terms can vary based on the purchase location and specific product policies.

For technical support or further assistance, it is recommended to contact an authorized CUB CADET service center or refer to the official CUB CADET website for customer service contact information.