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› CUB CADET 50" Deck Belt Instruction Manual

CUB CADET 490-501-C070

CUB CADET 50" Deck Belt Instruction Manual

Model: 490-501-C070

Brand: CUB CADET

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your CUB CADET OEM 50-inch Deck Belt, part number 490-501-C070. This belt is a critical component for the efficient power transfer in your lawn mower's cutting deck system. Adhering to these instructions will help ensure optimal performance and longevity of the belt and your equipment.

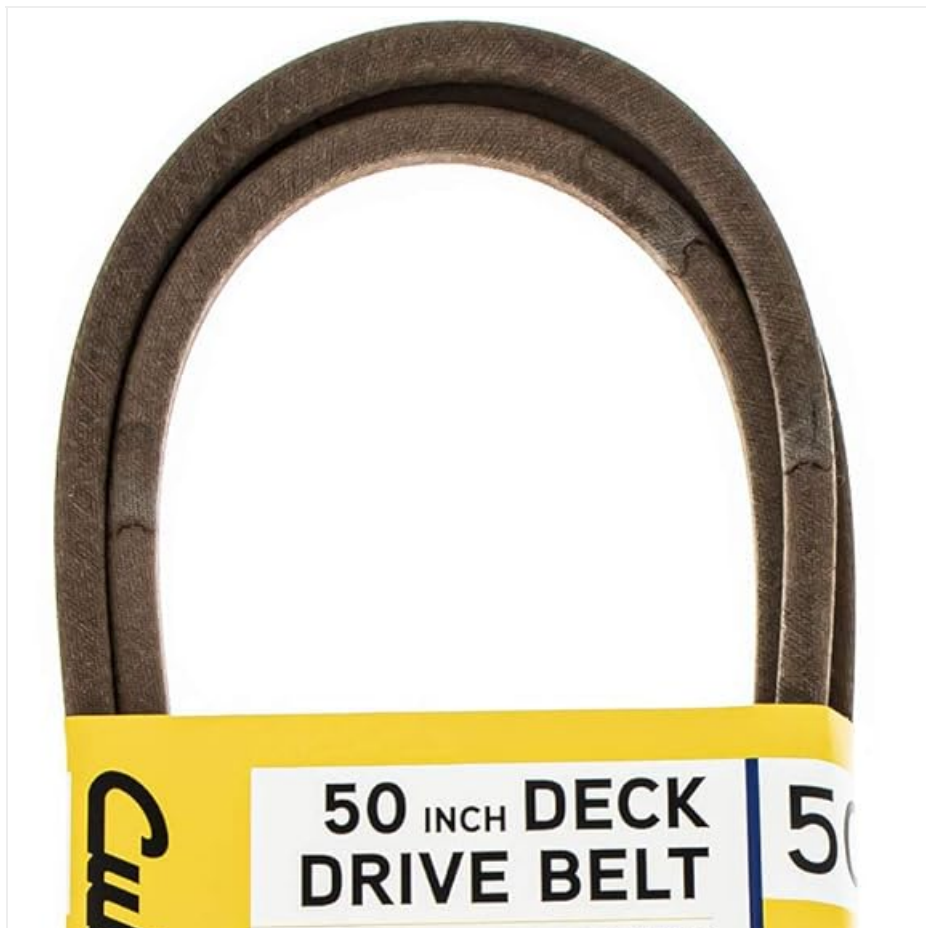




Image: The CUB CADET 50-inch Deck Drive Belt, still in its yellow and black packaging, showcasing the product's branding and key specifications.

COMPATIBILITY

The CUB CADET OEM Part Number 490-501-C070 deck belt is designed for specific Cub Cadet lawn mower models. Please verify your equipment's model number against the list below to ensure proper fit and function. This belt replaces part numbers 754-05078, CMXGZAM501083, 490-501-M070, and 954-05078.

Compatible Cub Cadet Models:

- RZT-L50
- RZT-L50 KH
- RZT-LX50
- RZT-LX50 KW FAB
- RZT-S50

- RZT-S50 KH
- RZT-SX50
- RZT-SX50 EFI FAB
- RZT-SX50 KH FAB
- Ultima Series: ZT1-50
- Ultima Series: ZT1-50 KW FAB
- Ultima Series: ZT2-50
- Ultima Series: ZT2-50 KW FAB

Always refer to your original equipment owner's manual to verify compatibility before installation.

SAFETY INFORMATION

Before performing any maintenance or installation on your lawn mower, always prioritize safety. Failure to follow these safety guidelines could result in serious injury.

- **Disconnect Spark Plug:** Always disconnect the spark plug wire(s) to prevent accidental engine starting.
- **Remove Ignition Key:** If applicable, remove the ignition key.
- **Allow Engine to Cool:** Ensure the engine and all moving parts are cool to the touch before beginning work.
- **Wear Protective Gear:** Use appropriate personal protective equipment, including gloves and eye protection.
- **Secure Equipment:** If lifting the mower, ensure it is securely supported to prevent it from falling.
- **Read Mower Manual:** Consult your lawn mower's owner's manual for specific safety procedures related to your model.

INSTALLATION (SETUP)

Replacing the deck belt requires careful attention to detail. The following steps provide a general guide. Specific procedures may vary slightly depending on your mower model.

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(s).
- Allow the engine and deck components to cool down.

2. Access the Deck:

- Depending on your model, you may need to remove the mower deck from the tractor or lift the front of the mower to access the underside. Refer to your mower's manual for deck removal instructions if necessary.

3. Remove the Old Belt:

- Carefully observe the routing of the old belt around all pulleys (engine pulley, idler pulleys, spindle pulleys). It is highly recommended to take a photo or draw a diagram of the current belt path before removal.
- Release tension on the belt by manipulating the idler pulley mechanism. This often involves a spring-loaded arm.
- Once tension is released, remove the old belt from all pulleys and guides.

4. Install the New Belt:

- Route the new CUB CADET 490-501-C070 deck belt exactly as the old one was routed. Pay close attention to any belt guides or keepers.
- Start by placing the belt around the engine pulley, then route it around the spindle pulleys and finally around the idler

pulleys.

- Ensure the belt is seated correctly in all pulley grooves.





Image: The reverse side of the CUB CADET 50-inch Deck Drive Belt packaging, featuring a diagram illustrating the correct belt routing around the engine pulley, deck drive belt, and deck pulleys. This diagram is crucial for proper installation.

5. Tension the Belt:

- Allow the idler pulley mechanism to apply tension to the new belt. Verify that the belt is taut and properly aligned.

6. Reassemble and Test:

- Reattach the mower deck if it was removed.
- Reconnect the spark plug wire(s).
- Start the engine and engage the deck (at a safe, low RPM initially) to ensure the belt operates smoothly without slipping or unusual noise. Disengage the deck and turn off the engine.
- Visually inspect the belt path again to confirm proper installation.

OPERATION

Once installed, the deck belt facilitates the transfer of power from the engine to the mower blades. Proper operation involves ensuring the belt is not subjected to undue stress.

- **Smooth Engagement:** Engage the mower deck smoothly to avoid sudden jerks that can stress the belt.
- **Avoid Obstructions:** Be mindful of foreign objects that could get caught in the deck, potentially damaging the belt or pulleys.
- **Listen for Abnormalities:** Pay attention to any new noises, vibrations, or burning smells during operation, which could indicate a belt issue.

MAINTENANCE

Regular inspection and maintenance will prolong the life of your deck belt and ensure consistent mower performance.

- **Regular Inspection:** Periodically inspect the belt for signs of wear, such as cracks, fraying, glazing, or excessive stretching. Check for any debris lodged around the belt or pulleys.
- **Cleanliness:** Keep the mower deck and belt area free of grass clippings, dirt, and other debris that can cause premature wear.
- **Pulley Alignment:** Ensure all pulleys are clean, spin freely, and are properly aligned. Misaligned or seized pulleys can quickly damage a belt.
- **Tension Check:** Verify that the belt maintains proper tension. A loose belt can slip, causing poor cutting performance and accelerated wear.



Image: A detailed close-up view of the CUB CADET deck belt's material, showing its woven texture and construction designed for durability and grip.

TROUBLESHOOTING

If you experience issues with your mower's deck operation, the belt may be a contributing factor. Here are some common problems and potential solutions:

Problem	Possible Cause	Solution
Belt Slipping	Incorrect tension, worn belt, glazed pulleys, debris on belt/pulleys.	Check belt tension; inspect for wear and replace if necessary; clean pulleys and belt; ensure pulleys spin freely.
Excessive Noise (Squealing/Grinding)	Worn belt, misaligned pulleys, seized idler pulley, worn spindle bearings.	Inspect belt for wear; check pulley alignment; lubricate or replace seized pulleys; inspect spindle bearings.
Belt Breaking Prematurely	Incorrect belt type, misaligned pulleys, worn or damaged pulleys, foreign object interference.	Ensure correct OEM belt is used; check pulley alignment and condition; remove any obstructions.
Blades Not Engaging/Spinning	Broken belt, dislodged belt, engagement mechanism issue.	Inspect belt for breakage or if it has come off pulleys; check engagement lever/cable.

If troubleshooting steps do not resolve the issue, or if you are unsure about any procedure, it is recommended to consult a qualified service technician.

SPECIFICATIONS

Key specifications for the CUB CADET 50" Deck Belt (Part Number 490-501-C070):

- **Part Number:** 490-501-C070 (Replaces: 754-05078, CMXGZAM501083, 490-501-M070, 954-05078)
- **Belt Style:** Deck Belt
- **Material:** Plastic (referring to the composite material of the belt)
- **Product Dimensions:** Approximately 21.25 x 7.5 x 1.5 inches (packaged)
- **Item Weight:** Approximately 1.52 pounds
- **Manufacturer:** CUB CADET
- **Compatibility:** Designed for 50-inch decks on various Cub Cadet RZT, RZT-L, RZT-LX, RZT-S, RZT-SX, ZT1, and ZT2 Ultima Series models.

WARRANTY INFORMATION

As an Original Equipment Manufacturer (OEM) part, the CUB CADET 490-501-C070 Deck Belt is covered by the standard manufacturer's warranty for Cub Cadet genuine parts. For specific details regarding warranty coverage, duration, and claims procedures, please refer to the warranty documentation provided with your original equipment or contact Cub Cadet customer support directly.

CUSTOMER SUPPORT

For further assistance, technical questions, or to locate authorized service centers, please contact Cub Cadet customer support. You can typically find contact information on the official Cub Cadet website or in your mower's owner's manual.

Online Resources: Visit the official CUB CADET website for product information, FAQs, and service locator tools.

www.cubcadet.com