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› Kumar Bros USA Idler Pulley Kit Instruction Manual for John Deere D100, D105, D110, D120, D125, D130 Mower Decks

Kumar Bros USA D100 D105 D110 D120 D125 D130

Kumar Bros USA Idler Pulley Kit Instruction Manual

For John Deere D100, D105, D110, D120, D125, D130 Mower Decks

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Kumar Bros USA Idler Pulley Kit. Please read this manual thoroughly before attempting any installation or maintenance procedures to ensure proper function and safety.

SAFETY INFORMATION

WARNING:

- Always disconnect the spark plug wire or battery before performing any maintenance or installation on your equipment to prevent accidental starting.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves, during installation.
- Ensure the equipment is on a stable, level surface and properly supported before working underneath it.
- Refer to your John Deere equipment's original service manual for specific deck removal and belt routing instructions.
- Keep hands and clothing clear of moving parts.

PACKAGE CONTENTS

Your Kumar Bros USA Idler Pulley Kit includes the following components:

- 1 x Flat Idler Pulley (Replaces OEM Part No. GY22172, GY20067)
- 1 x Flat Idler Pulley (Replaces OEM Part No. GY20629, GY22082)

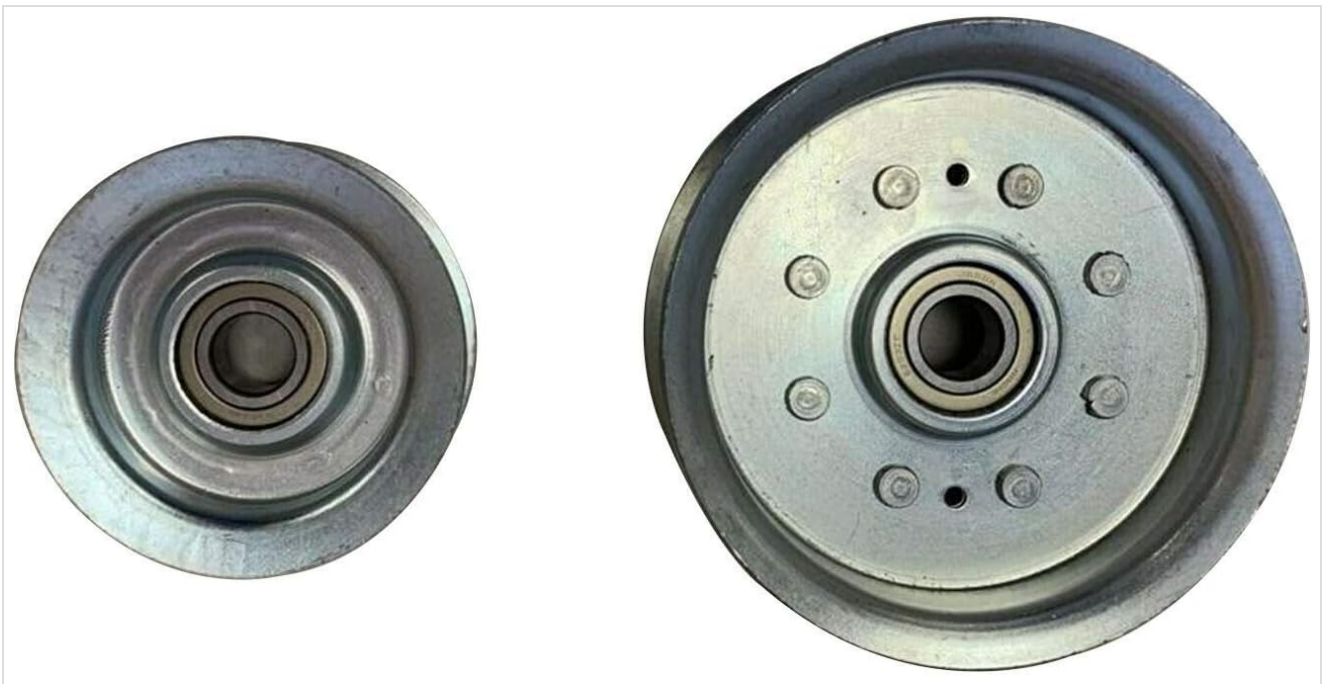


Image: The two idler pulleys included in the kit. One pulley is smaller in diameter, and the other is larger, both featuring a central bearing.

COMPATIBILITY

This idler pulley kit is designed as an aftermarket replacement for the following John Deere models:

- John Deere D100
- John Deere D105
- John Deere D110
- John Deere D120
- John Deere D125
- John Deere D130

Replaces OEM Part Numbers:

- GY20629
- GY22172
- GY22082
- GY20067

INSTALLATION INSTRUCTIONS

The following steps provide a general guide for replacing idler pulleys on a John Deere mower deck. Always consult your specific John Deere equipment's service manual for detailed, model-specific instructions and torque specifications.

1. **Prepare the Equipment:** Park the mower on a flat, level surface. Engage the parking brake. Disconnect the spark plug wire or remove the battery to prevent accidental starting.

2. **Access the Mower Deck:** Depending on your model, you may need to remove the mower deck from the tractor. Refer to your John Deere manual for deck removal procedures.
3. **Relieve Belt Tension:** Locate the existing idler pulleys and the deck belt. Use appropriate tools to relieve tension on the deck belt, allowing it to be removed from the pulleys.
4. **Remove Old Pulleys:** Identify the pulleys to be replaced. Use a wrench or socket to remove the bolt securing the old idler pulley to its mounting post. Carefully remove the old pulley.
5. **Install New Pulleys:** Place the new Kumar Bros USA idler pulley onto the mounting post. Ensure the pulley is oriented correctly. Secure it with the original bolt and washer. Tighten the bolt to the torque specifications provided in your John Deere service manual.
6. **Reinstall Deck Belt:** Route the deck belt correctly around all pulleys and spindles. Ensure the belt is seated properly in all grooves.
7. **Tension Belt:** Re-tension the deck belt according to your John Deere manual. Verify that the belt is taut and all pulleys spin freely without binding.
8. **Reattach Mower Deck:** If the deck was removed, reattach it to the tractor following your John Deere manual's instructions.
9. **Final Check:** Reconnect the spark plug wire or battery. Start the engine and engage the PTO briefly to ensure the belt and pulleys operate smoothly. Disengage the PTO and shut off the engine.



Image: An angled view of both idler pulleys, highlighting their construction and the central bearing mechanism.

OPERATION CONSIDERATIONS

Once installed, the idler pulleys function automatically as part of the mower deck's belt system. Proper operation relies on correct installation and maintenance.

- Ensure the deck belt is always properly tensioned. An overly loose belt can slip, causing poor cutting performance, while an overly tight belt can put excessive strain on pulleys and bearings, leading to premature wear.
- Listen for unusual noises (squealing, grinding) during operation, which may indicate a problem with the pulleys or belt.

MAINTENANCE

Regular inspection and maintenance will extend the life of your idler pulleys and ensure optimal mower performance.

- **Visual Inspection:** Periodically inspect the pulleys for signs of wear, cracks, or damage. Check the bearings for smooth rotation.
- **Bearing Check:** With the engine off and spark plug disconnected, manually spin each pulley. They should spin freely and quietly. Any grinding, wobbling, or resistance indicates a worn bearing that requires replacement.
- **Belt Condition:** Inspect the deck belt for cracks, fraying, or glazing. A worn belt can cause pulleys to wear unevenly.
- **Cleanliness:** Keep the pulleys and surrounding area free of grass clippings, dirt, and debris, which can interfere with smooth operation and cause premature wear.



Image: Top-down view of the larger idler pulley, detailing its bearing and structural design.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Squealing noise from deck	Worn pulley bearing, loose belt, or misaligned pulley.	Inspect pulleys for free rotation. Check belt tension and alignment. Replace worn pulleys.
Belt slipping or coming off	Loose belt, worn belt, damaged pulley flange, or incorrect belt routing.	Check belt tension. Inspect belt for wear. Verify pulley condition and correct belt routing.
Vibration or excessive noise	Damaged or unbalanced pulley, worn bearing.	Inspect pulleys for damage. Replace any pulley that is bent, cracked, or has a seized bearing.

SPECIFICATIONS

Attribute	Detail
Part Type	Mower Deck Idler Pulleys
Compatible Equipment Type	Utility Tractor (John Deere D-Series)
Replaces OEM Part Numbers	GY20629, GY22172, GY22082, GY20067
Product Dimensions	Approximately 4 x 4 x 4 inches (overall kit packaging)
Item Weight	Approximately 1 pound
Manufacturer	Kumar Bros USA

WARRANTY INFORMATION

This Kumar Bros USA Idler Pulley Kit comes with a **6-month warranty** from the date of purchase. This warranty covers manufacturing defects and material flaws under normal use. It does not cover damage due to improper installation, misuse, neglect, or normal wear and tear.

For warranty claims or further details, please contact Kumar Bros USA customer support.

CUSTOMER SUPPORT

If you have any questions regarding the installation, operation, or maintenance of your Kumar Bros USA Idler Pulley Kit, please contact our customer support team.

Contact Information: Please refer to the contact details provided with your purchase or visit the official Kumar Bros USA website for support options.