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› Kubota U35-4 Track Roller Bottom Roller Undercarriage Fits Kubota Excavator U35-4 ONLY

Cubauto CUBA-ZLP-0863

Kubota U35-4 Track Roller Instruction Manual

Brand: Cubauto

1. INTRODUCTION

This manual provides essential information for the Kubota U35-4 Track Roller, a durable undercarriage replacement part designed specifically for the Kubota U35-4 Excavator. It covers product overview, installation guidelines, maintenance, and specifications to ensure optimal performance and longevity of the component.

2. PRODUCT OVERVIEW

The Cubauto Kubota U35-4 Track Roller is a critical component of the excavator's undercarriage system, supporting the weight of the machine and guiding the track chain. It is engineered to withstand extreme operating conditions, providing reliable and long-lasting performance.



Figure 2.1: The Kubota U35-4 Track Roller, a key component for excavator undercarriage.



Figure 2.2: Diagram illustrating the position of the track roller within the excavator's undercarriage system, highlighted as "Track Roller". Other components shown include Rubber Track, Sprocket, Front Idler, and Rear Idler.

Key Features:

- **Durable Construction:** Made from 50 MnB Steel, designed for high strength and durability.
- **Optimized Hardness:** Surface hardness of HRC52-58 with a depth of 5mm-8mm for enhanced wear resistance.
- **Sealed Bearings:** Features quality seal groups and sealed bearings to prevent dirt, mud, and grime from penetrating internal components, ensuring excellent lubricating oil retention.
- **Corrosion and Dust Resistant:** Manufactured from durable materials that are completely resistant to corrosion and dust.
- **OEM Specifications:** Designed and manufactured to meet or exceed original equipment manufacturer (OEM) specifications.
- **Easy Installation:** Engineered for straightforward installation.
- **Enhanced Protection Package:** Ensures the product arrives in optimal condition.

3. INSTALLATION GUIDE

Installation of undercarriage components requires specialized knowledge and tools. It is highly recommended that installation be performed by a qualified technician or in accordance with the excavator's official service manual. Incorrect installation can lead to premature wear, component failure, or safety hazards.

General Steps (Consult Service Manual for Detailed Instructions):

1. **Preparation:** Ensure the excavator is on stable, level ground and properly secured. Relieve track tension.

2. **Removal of Old Roller:** Carefully remove the bolts securing the old track roller. Use appropriate lifting equipment if necessary.
3. **Inspection:** Inspect the mounting surface and surrounding components for wear or damage. Clean the area thoroughly.
4. **Installation of New Roller:** Position the new Cubauto track roller onto the mounting surface. Ensure proper alignment.
5. **Securing:** Install and tighten the retaining bolts to the manufacturer's specified torque settings.
6. **Track Tension Adjustment:** Re-tension the track to the recommended specifications.
7. **Final Check:** Perform a visual inspection and functional test to ensure the roller is securely installed and operating correctly.

4. OPERATION

The Kubota U35-4 Track Roller functions as an integral part of the excavator's undercarriage, facilitating smooth movement of the track chain and distributing the machine's weight evenly across the ground. Once properly installed, the roller operates continuously as the excavator moves, requiring no direct user interaction during normal operation. Ensure that the excavator is operated within its specified load limits and on suitable terrain to prevent undue stress on undercarriage components, including the track rollers.

5. MAINTENANCE

Regular maintenance is crucial for extending the lifespan of your track rollers and the entire undercarriage system. Adhere to the excavator manufacturer's recommended maintenance schedule.

Maintenance Tips:

- **Regular Cleaning:** Keep the undercarriage clean, especially after operating in muddy or abrasive conditions. Accumulated debris can accelerate wear on rollers and other components.
- **Visual Inspection:** Periodically inspect track rollers for signs of wear, damage, leaks from seals, or loose bolts. Address any issues promptly.
- **Track Tension:** Maintain correct track tension as per the excavator's service manual. Improper tension can increase wear on rollers.
- **Operating Practices:** Avoid excessive high-speed travel, sharp turns, and prolonged operation on slopes, as these can put additional stress on undercarriage components.

6. TROUBLESHOOTING

If you encounter issues with your track roller, consider the following common problems and potential solutions:

Problem	Possible Cause	Solution
Excessive Noise from Roller	Worn bearings, lack of lubrication, debris trapped.	Inspect for debris, check for seal leaks. If bearings are worn, replacement is necessary.
Roller Not Rotating Freely	Seized bearing, excessive mud/debris buildup, bent shaft.	Clean thoroughly. If still seized, the roller may need replacement. Inspect for physical damage.
Premature Wear on Roller Surface	Improper track tension, abrasive operating conditions, misaligned components.	Adjust track tension. Evaluate operating environment. Check alignment of undercarriage components.

Problem	Possible Cause	Solution
Oil Leak from Roller	Damaged seal.	The seal is likely compromised. The roller will need to be replaced to prevent further damage.

For complex issues or if you are unsure about the cause, consult a professional excavator mechanic or Cubauto customer support.

7. SPECIFICATIONS

Attribute	Detail
Brand	Cubauto
Model Compatibility	Kubota U35-4 Excavator ONLY
Part Type	Bottom Roller / Track Roller
Material	50 MnB Steel
Surface Hardness	HRC52-58
Hardness Depth	5mm-8mm
Technique	Forging and Casting
Seal Material	Nitrile rubber
Operating Temperature Range	-20°C to 110°C
Finish	Smooth
Approx. Weight	19.84 pounds (9 kg)
Approx. Package Dimensions	6.69" x 6.69" x 10.6" (17cm x 17cm x 26.9cm)
Color	Black
Manufacturer Part Number	CUBA-ZLP-0863

8. WARRANTY AND SUPPORT

Cubauto offers an **8 Months WARRANTY** for this product, providing worry-free return or exchange options. This warranty covers manufacturing defects and ensures the product meets its stated specifications under normal use.

If you have any questions, require technical assistance, or need to initiate a warranty claim, please contact Cubauto customer support. Refer to your purchase documentation for specific contact details or visit the official Cubauto store on Amazon:

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