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Blooy KM04

Instruction Manual

Blooy KM04 Chain Looper

For Industrial 5-Thread Overlock Sewing Machines

Introduction

Thank you for choosing the Blooy KM04 Chain Looper. This manual provides essential information for the proper installation, operation, and maintenance of your new looper. The KM04 Chain Looper is a precision-engineered component designed to ensure consistent and reliable stitching on compatible industrial 5-thread overlock sewing machines.
Please read this manual thoroughly before attempting installation or use to ensure optimal performance and longevity of the part.

Compatibility

The Blooy KM04 Chain Looper (Part Number: KM04) is compatible with a range of industrial 5-thread overlock sewing machines, including but not limited to:

- Siruba 757 Series
- JACK JK-795 Series
- Typical 794-05 Series
- ShunFa 757 Series
- Gemsy 7700-05JX Series
- Yamata 757 Series

This looper may also be compatible with many other brands and models of 5-thread overlock machines that utilize the KM04 specification. Always verify the part number and visual appearance against your machine's existing looper before installation.

Setup and Installation

Installing a new looper requires careful attention to detail. It is recommended that installation be performed by

an experienced sewing machine technician or someone familiar with industrial sewing machine maintenance.

1. **Safety First:** Always turn off and unplug your sewing machine from the power source before attempting any installation or maintenance.
2. **Access the Looper Area:** Open the necessary covers on your overlock machine to gain clear access to the looper mechanism. Refer to your sewing machine's specific service manual for detailed instructions on accessing this area.
3. **Remove Old Looper:** Carefully loosen the screw(s) holding the existing looper in place. Gently remove the old looper, noting its exact position and orientation.
4. **Install New Looper:** Position the new Blooy KM04 Chain Looper into the designated slot. Ensure it is correctly oriented and seated firmly. The looper should move freely without obstruction when the handwheel is turned manually.
5. **Secure Looper:** Tighten the retaining screw(s) securely, but do not overtighten, as this can damage the looper or the machine.
6. **Timing and Adjustment:** After installation, the looper timing and needle-to-looper clearance must be precisely adjusted according to your sewing machine's service manual specifications. Incorrect timing will lead to skipped stitches, thread breakage, or machine damage. This step is critical for proper machine function.
7. **Test Operation:** Once adjusted, close the machine covers, plug in the machine, and perform a manual test by slowly turning the handwheel. Observe the looper's movement. Then, run a test stitch on scrap fabric to confirm correct operation and stitch formation.

If you are unsure about any step, consult a professional technician.

Operating Principles

The KM04 Chain Looper is a critical component in the 5-thread overlock stitching process. It works in conjunction with the needles and other loopers to form the chain stitch, which is typically used for seaming and decorative purposes on various fabrics. Once correctly installed and timed, the looper's precise movement ensures consistent thread handling and loop formation, contributing to strong and aesthetically pleasing seams.
Proper machine threading and tension settings are essential for the looper to perform its function effectively. Refer to your sewing machine's user manual for detailed threading diagrams and tension adjustment guidelines.

Maintenance

To ensure the longevity and optimal performance of your Blooy KM04 Chain Looper, regular maintenance is recommended:

- **Cleaning:** Periodically inspect the looper for lint, dust, and thread residue. Use a small brush or compressed air to gently clean the looper and the surrounding area. Accumulation of debris can impede its movement and affect stitch quality.
- **Lubrication:** While the looper itself may not require direct lubrication, ensure that the moving parts of your sewing machine's looper mechanism are properly oiled according to your machine's maintenance schedule.
- **Inspection:** Regularly check the looper for any signs of wear, bending, or damage. A damaged looper

can cause skipped stitches, thread breakage, or damage to other machine components. Replace the looper if any damage is observed.

- **Storage:** If the looper is removed for storage or replacement, keep it in a clean, dry place to prevent corrosion or damage.

Troubleshooting

If you experience issues after installing or using the KM04 Chain Looper, consider the following common problems and solutions:

- **Skipped Stitches:**
  - **Cause:** Incorrect looper timing or needle-to-looper clearance.
  - **Solution:** Re-adjust looper timing and clearance according to your machine's service manual. Ensure needles are correctly inserted and not bent.
- **Thread Breakage:**
  - **Cause:** Rough edges on the looper, incorrect threading, or excessive thread tension.
  - **Solution:** Inspect the looper for burrs or nicks; replace if damaged. Re-thread the machine carefully. Adjust thread tension.
- **Poor Stitch Formation (Loose or Tight Stitches):**
  - **Cause:** Incorrect thread tension, improper threading, or minor looper misalignment.
  - **Solution:** Verify all tension settings. Check threading path. Re-check looper installation and minor adjustments.
- **Unusual Noises:**
  - **Cause:** Looper hitting other machine parts, loose components.
  - **Solution:** Immediately stop the machine. Inspect the looper's movement path for obstructions. Ensure all screws are tightened.

For persistent issues, it is highly recommended to consult a qualified sewing machine technician.

Specifications

Part Number	KM04
Product Dimensions	1.18 x 0.2 x 0.08 inches
Item Weight	1.06 ounces
Quantity	2 Pieces (as typically sold)
Manufacturer	Blooy
Country of Origin	China
Date First Available	January 26, 2024

Product Images



Image 1: Two Blooy KM04 Chain Loopers, showing the pair included in the package. Each looper is made of durable metal, with "KM04" engraved on its side.



Image 2: A close-up view of a single Blooy KM04 Chain Looper, highlighting its curved shape and the precision-machined tip. The "KM04" marking is clearly visible.



Image 3: Another perspective of the KM04 Chain Looper, showcasing its robust construction and the small hole at the base for secure attachment to the sewing machine.



Image 4: A view of the KM04 Chain Looper emphasizing the attachment point and the smooth, polished surface of the looper's

body, designed for minimal thread friction.

Warranty and Support

For information regarding warranty coverage or technical support for your Blooy KM04 Chain Looper, please refer to the retailer or the manufacturer's official website. Keep your purchase receipt as proof of purchase. For specific machine-related issues or complex adjustments, always consult your sewing machine's manufacturer manual or a certified technician.

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