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› Blooy 3x6.4mm Gauge Set for Siruba F007E Industrial Coverstitch Sewing Machines Instruction Manual

Blooy F007E (3x6.4mm)

Blooy 3x6.4mm Gauge Set Instruction Manual

Brand: Blooy | **Model:** F007E (3x6.4mm)

1. PRODUCT OVERVIEW

This document provides essential information for the installation, operation, and maintenance of the Blooy 3x6.4mm Gauge Set, designed specifically for Siruba F007E Industrial Flatbed Coverstitch Sewing Machines.

The gauge set is a critical component for achieving precise and consistent stitching, particularly for applications requiring a 3x6.4mm stitch configuration. It includes all necessary parts to ensure proper fabric feeding, needle positioning, and stitch formation.

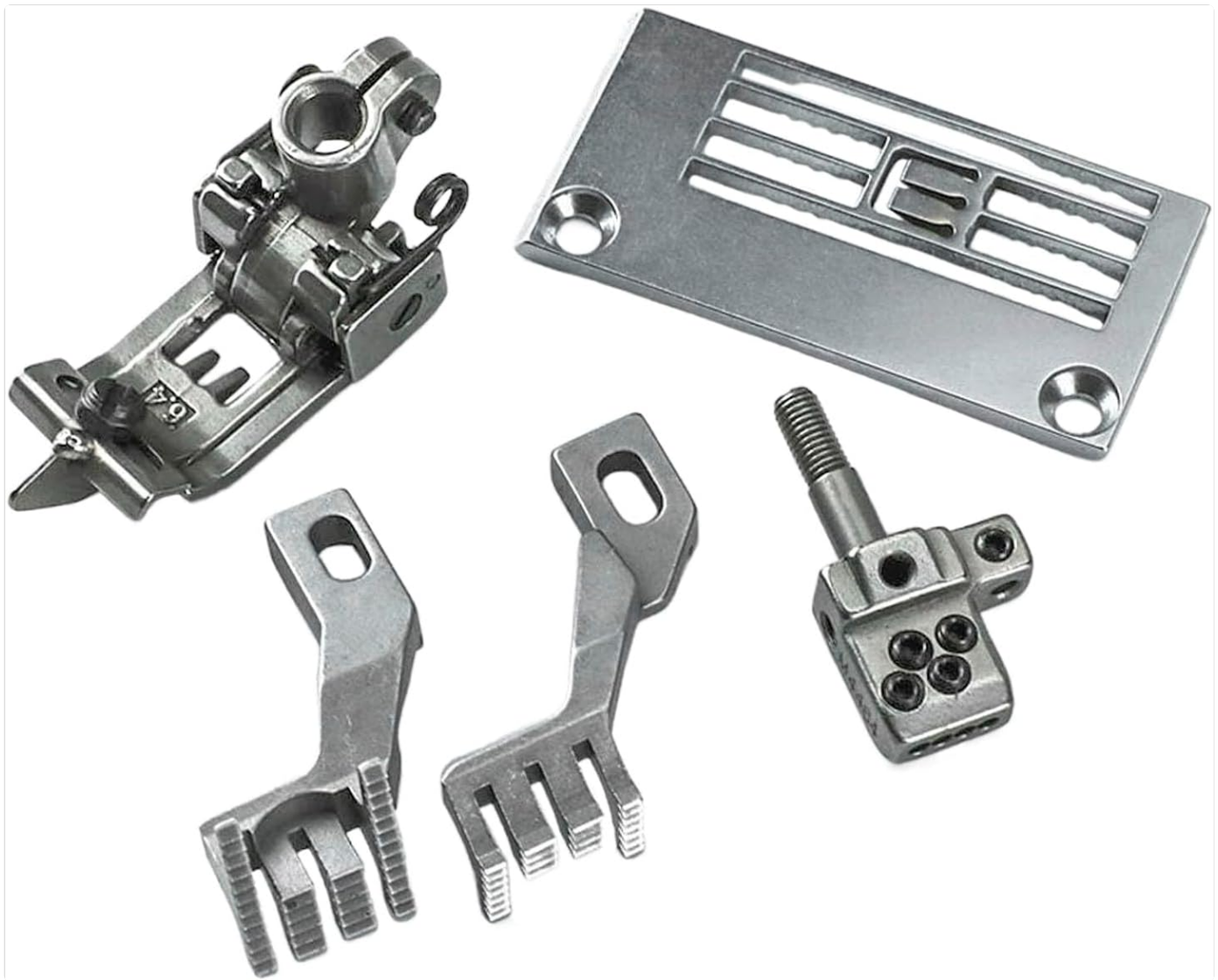


Figure 1.1: Complete Blooy 3x6.4mm Gauge Set, showing all five components: needle plate, presser foot, two feed dogs, and needle clamp.

Components Included:

- **Needle Plate (Part Code: E1827):** The flat metal plate under the needle, which supports the fabric during stitching and has openings for the needles and feed dogs.
- **Presser Foot (Part Code: P0217):** Holds the fabric firmly against the feed dogs as it is sewn, ensuring even feeding.
- **Feed Dog Set (Part Codes: H1259 + D1207):** Two serrated bars that move the fabric under the presser foot, controlling stitch length.
- **Needle Clamp (Part Code: M4364):** Secures the needles in place, ensuring they are correctly aligned for stitching.

2. SETUP AND INSTALLATION

Proper installation of the gauge set is crucial for optimal performance of your Siruba F007E industrial coverstitch sewing machine. Always ensure the machine is powered off and unplugged before attempting any installation or maintenance.

2.1. Preparation

- Turn off and unplug the sewing machine from the power source.
- Clear the work area around the needle plate and presser foot.
- Gather necessary tools, typically a screwdriver for removing and securing screws.

2.2. Installation Steps

1. **Remove Existing Components:** Carefully unscrew and remove the existing needle plate, presser foot, feed dogs, and needle clamp from your Siruba F007E machine. Keep track of all screws and small parts.
2. **Install New Needle Plate:**

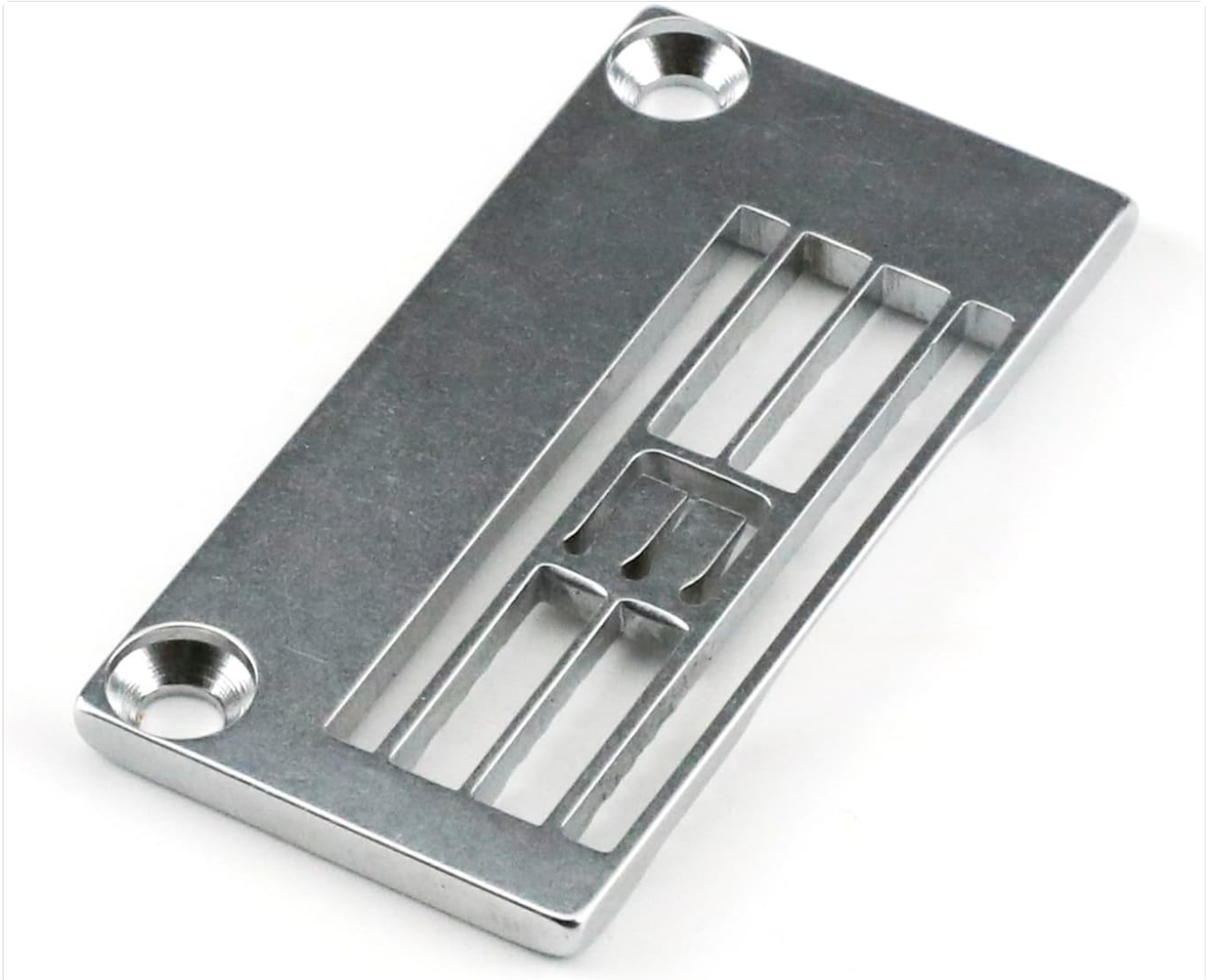


Figure 2.1: The Needle Plate (E1827) from the gauge set.

Position the new needle plate (E1827) onto the machine bed, aligning the screw holes. Secure it firmly with the appropriate screws. Ensure it sits flush with the machine surface.

3. **Install New Feed Dog Set:**

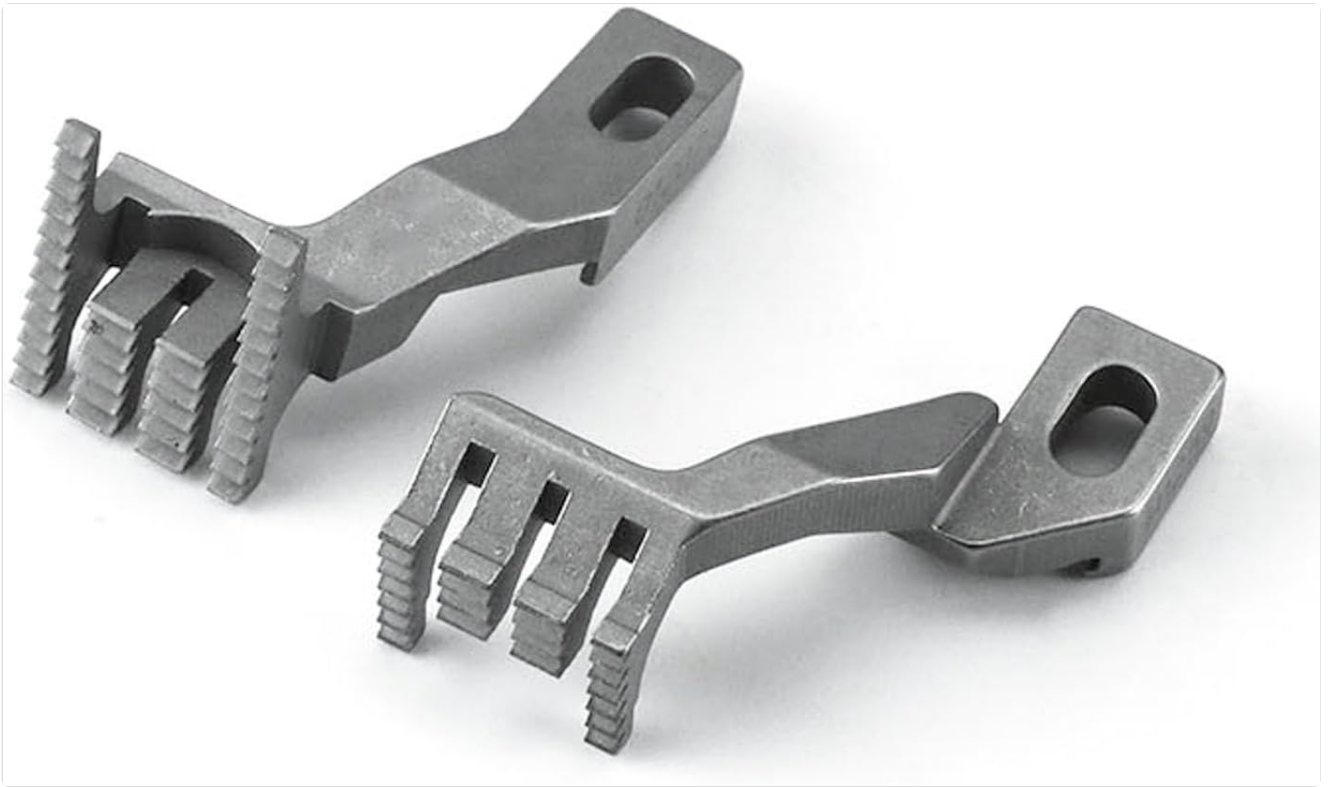


Figure 2.2: The Feed Dog Set (H1259 + D1207) from the gauge set.

Attach the two feed dog components (H1259 and D1207) to their respective positions beneath the needle plate. Ensure they are properly aligned and can move freely through the needle plate slots. Secure them with their screws.

4. Install New Presser Foot:



Figure 2.3: The Presser Foot (P0217) from the gauge set, top view.



Figure 2.4: The Presser Foot (P0217) from the gauge set, side view.

Mount the new presser foot (P0217) onto the presser bar. Tighten the screw securely, ensuring the foot is stable and aligned with the needle plate.

5. Install New Needle Clamp:



Figure 2.5: The Needle Clamp (M4364) from the gauge set.

Attach the new needle clamp (M4364) to the needle bar. Insert the appropriate needles for your 3x6.4mm application into the clamp, ensuring they are correctly oriented and fully seated before tightening the needle clamp screws.

6. **Test Functionality:** Once all components are installed, manually turn the machine's handwheel to ensure all parts move freely and do not obstruct each other. Re-thread the machine and perform a test stitch on scrap fabric.

3. OPERATING CONSIDERATIONS

The Blooy 3x6.4mm Gauge Set is designed to optimize the performance of your Siruba F007E machine for specific stitching requirements. Once installed, the machine will operate as usual, but with the precise spacing and feeding characteristics provided by this gauge set.

- **Stitch Precision:** The 3x6.4mm configuration ensures consistent needle spacing, critical for multi-needle coverstitch applications.
- **Fabric Feeding:** The feed dogs are engineered to provide smooth and even fabric transport, preventing puckering or stretching, especially with various fabric types.
- **Needle Compatibility:** Ensure you use needles appropriate for industrial coverstitch machines and compatible with the 3x6.4mm gauge. Refer to your Siruba F007E machine's manual for recommended needle types.
- **Tension Adjustment:** After installing the new gauge set, it may be necessary to fine-tune the thread tensions to achieve balanced and aesthetically pleasing stitches. Perform test stitches on scrap fabric to adjust tensions as

needed.

4. MAINTENANCE

Regular maintenance of your gauge set components will extend their lifespan and ensure continued high-quality stitching. Always power off and unplug the machine before performing any maintenance.

- **Cleaning:** Regularly remove lint, dust, and thread scraps from around the needle plate, feed dogs, and presser foot. Use a small brush or compressed air. Accumulation of debris can affect fabric feeding and stitch quality.
- **Inspection:** Periodically inspect all components for signs of wear, damage, or bending.
 - Check the teeth of the feed dogs for damage or dullness.
 - Examine the needle plate for burrs or scratches around the needle holes.
 - Ensure the presser foot is not bent and its underside is smooth.
 - Verify the needle clamp holds needles securely without slippage.
- **Lubrication:** Refer to your Siruba F007E machine's manual for specific lubrication points and schedules. While the gauge set components themselves typically do not require lubrication, ensuring the machine's moving parts are well-lubricated is essential for overall performance.
- **Storage:** If the gauge set is removed for storage or replacement with a different size, store the components in a clean, dry place to prevent rust or damage.

5. TROUBLESHOOTING

If you encounter issues after installing the Blooy 3x6.4mm Gauge Set, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Skipped Stitches	Incorrect needle installation, bent needle, improper tension, or damaged needle clamp.	Ensure needles are fully seated and correctly oriented in the needle clamp. Replace bent needles. Adjust thread tension. Inspect needle clamp for damage.
Uneven Fabric Feeding	Lint buildup under needle plate, damaged feed dogs, or presser foot not properly secured.	Clean thoroughly around feed dogs and needle plate. Inspect feed dogs for wear; replace if necessary. Ensure presser foot is tightly secured.
Thread Breakage	Rough edges on needle plate holes, incorrect threading, or excessive tension.	Inspect needle plate for burrs; if present, replacement may be needed. Re-thread the machine carefully. Reduce thread tension.
Abnormal Noise	Loose components, interference between parts, or lack of lubrication in the machine.	Check all screws for tightness on the gauge set components. Ensure no parts are rubbing. Refer to your machine manual for lubrication points.

If problems persist, consult the comprehensive manual for your Siruba F007E Industrial Coverstitch Sewing Machine or contact a qualified sewing machine technician.

6. SPECIFICATIONS

Attribute	Detail
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Attribute	Detail
Product Name	Blooy 3x6.4mm Gauge Set
Compatible Machine	Siruba F007E Industrial Flatbed Coverstitch Sewing Machine
Gauge Set Size	3X6.4mm
Needle Plate Part Code	E1827
Presser Foot Part Code	P0217
Feed Dog Set Part Codes	H1259 + D1207
Needle Clamp Part Code	M4364
Product Dimensions	3.94 x 3.15 x 1.18 inches
Item Model Number	F007E (3x6.4mm)
Item Weight	3.53 ounces
Manufacturer	Blooy
Date First Available	July 24, 2024

7. WARRANTY AND SUPPORT

This Blooy 3x6.4mm Gauge Set is manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the documentation provided at the time of purchase or contact the seller directly. Warranty coverage typically addresses manufacturing defects.

For technical support, installation assistance beyond this manual, or inquiries regarding replacement parts, please contact the seller or the manufacturer, Blooy. When contacting support, please have your product model number (F007E (3x6.4mm)) and the specific part codes (E1827, P0217, H1259, D1207, M4364) readily available.

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