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Blooy 2108008

Instruction Manual

Blooy Throat Plate & Feed Dog Set

Models: 2108008, 2109010, 2109011

1. Product Overview

This manual provides essential information for the installation, operation, and maintenance of the Blooy Throat Plate and Feed Dog Set. This set is designed for specific Yamato Overlock Sewing Machine models, ensuring proper fabric feeding and stitch formation.

The set includes:

- **Needle Plate:** Part Code 2108008
- **Feed Dog Set:** Part Codes 2109010 and 2109011

Important Note: This Throat Plate is specifically designed for 3-thread Yamato Overlock Machines only.

2. Compatibility

This Blooy Throat Plate and Feed Dog Set is compatible with the following Yamato Overlock Sewing Machine models:

- Yamato AZ6003H
- Yamato AZ8003H
- Yamato AZ8003G
- Yamato AZF8003D

Ensure your machine is a 3-thread overlock model for proper fit and function.

3. Installation (Setup)

Before beginning installation, ensure your sewing machine is turned off and unplugged from the power source to prevent accidental operation.

3.1 Removing Existing Parts

1. Carefully open the front cover of your overlock machine to access the needle plate and feed dog area.
2. Locate the screws securing the existing throat plate. Using an appropriate screwdriver, loosen and remove these

screws.

3. Gently lift and remove the old throat plate.
4. Identify the screws holding the feed dog in place. Remove these screws and carefully lift out the old feed dog components.
5. Clean any lint or debris from the area before installing the new parts.

3.2 Installing the New Feed Dog Set (2109010 & 2109011)



Image: The Blooy Feed Dog Set, including parts 2109010 and 2109011, designed to move fabric under the needle.

1. Position the new feed dog components (2109010 and 2109011) into their respective slots on the machine bed. Ensure they are correctly aligned with the screw holes and the feed dog mechanism.
2. Insert and gently tighten the screws to secure the feed dog. Do not overtighten.

3.3 Installing the New Throat Plate (2108008)



Image: The Blooy Needle Plate, part number 2108008, showing its design for needle passage and fabric support.

1. Carefully place the new throat plate (2108008) over the feed dog, aligning its holes with the screw holes on the machine bed. Ensure the needle opening on the plate is correctly positioned relative to the needle bar.
2. Insert the screws and tighten them securely, but avoid excessive force. The plate should sit flush and stable.

After installation, manually turn the machine's handwheel a few times to ensure all parts move freely and there is no interference. Re-attach any covers that were removed.

4. Operation

The throat plate and feed dog work in conjunction to ensure smooth fabric feeding and consistent stitch formation in your overlock machine.

- **Throat Plate (2108008):** This component provides a flat surface for the fabric to rest on as it passes under the needle. It features an opening through which the needle penetrates the fabric and forms stitches. The design of the throat plate is crucial for guiding the fabric and supporting the stitch formation process, especially for overlock

stitches.

- **Feed Dog (2109010 & 2109011):** The feed dog consists of serrated teeth that protrude through slots in the throat plate. As the machine operates, the feed dog moves in an elliptical motion, gripping the fabric and pulling it forward in precise increments. This action ensures even feeding of the fabric, preventing puckering or stretching, and contributing to uniform stitch length.

Once installed, these parts function automatically as part of the sewing machine's normal operation. No specific user interaction is required beyond ensuring they are clean and properly installed.

5. Maintenance

Regular maintenance of your throat plate and feed dog will extend their lifespan and ensure optimal sewing performance.

- **Cleaning:** Frequently remove the throat plate and use a small brush or vacuum cleaner to clear away lint, dust, and thread scraps that accumulate around the feed dog and under the plate. Accumulation can impede fabric feeding and affect stitch quality.
- **Inspection:** Periodically inspect the feed dog teeth for any signs of wear, damage, or bending. Check the throat plate for nicks, scratches, or burrs around the needle hole, which can snag fabric or break needles.
- **Lubrication:** Refer to your Yamato Overlock Machine's main instruction manual for specific lubrication points and schedules. While the throat plate and feed dog themselves are not typically lubricated, the mechanisms they interact with may require oiling.
- **Storage:** If storing the machine for an extended period, ensure these parts are clean and dry to prevent corrosion.

6. Troubleshooting

If you encounter issues after installing the new throat plate and feed dog, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Fabric not feeding smoothly	Lint buildup under throat plate; feed dog teeth worn or damaged; incorrect installation.	Clean thoroughly; inspect feed dog for damage and replace if necessary; re-install parts ensuring proper alignment and tightness.
Needle breaking frequently	Throat plate misaligned; burrs or nicks on needle hole; incorrect needle size.	Check throat plate alignment and re-tighten screws; inspect needle hole for damage; ensure correct needle type and size for your machine and fabric.
Skipped stitches or poor stitch quality	Improper tension settings (not related to parts); damaged feed dog; incorrect part for machine type (e.g., 3-thread vs. 4-thread).	Adjust machine tension (refer to machine manual); inspect feed dog for damage; confirm your machine is a 3-thread model as required by this throat plate.

If problems persist, consult your Yamato Overlock Machine's comprehensive service manual or contact a qualified sewing machine technician.

7. Specifications

- **Brand:** Blooy
- **Part Codes Included:**
    - Needle Plate: 2108008

- Feed Dog: 2109010, 2109011

- **Compatibility:** Yamato AZ6003H, AZ8003H, AZ8003G, AZF8003D (3 Thread Overlock Machines)
- **Product Dimensions (Approximate):** 6 x 4 x 2 inches (Overall package/set dimensions)
- **Material:** Metal (typical for sewing machine parts)
- **UPC:** 794697680675

8. Warranty Information

Specific warranty details for this Blooy product are not provided in the available information. Please refer to the seller's return policy or contact the seller directly for warranty inquiries.

9. Support

For technical assistance or further questions regarding the Blooy Throat Plate and Feed Dog Set, please contact the retailer or manufacturer directly. When contacting support, please have your product model numbers (2108008, 2109010, 2109011) and your Yamato sewing machine model number ready.

Online resources for Yamato sewing machine maintenance and repair may also be available through the official Yamato website or authorized service centers.

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