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Blooy #447036

Blooy #447036 Throat Plate User Manual

For Singer 1301 Domestic Home Household Sewing Machines

Brand: Blooy | Model: #447036

1. Introduction

Thank you for choosing the Blooy #447036 Throat Plate. This component is a crucial part of your sewing machine, ensuring proper fabric feeding and needle operation. This manual provides detailed instructions for installation, maintenance, and troubleshooting to help you get the most out of your new throat plate.

2. Product Overview

The throat plate, also known as the needle plate, is the metal plate located directly under the sewing machine needle. It features openings for the needle to pass through and for the feed dogs to emerge, guiding the fabric smoothly during stitching. The Blooy #447036 is a precision-engineered replacement part designed to meet the specifications of compatible Singer sewing machines.



Figure 2.1: Top view of the Blooy #447036 Throat Plate, showing the needle hole and feed dog slots.

3. Compatibility

This Blooy #447036 Throat Plate is specifically designed to fit the following sewing machine model:

- **Singer 1301 Domestic Home Household Sewing Machine**

Please ensure your sewing machine model matches the listed compatibility to guarantee proper fit and function.

4. Package Contents

Upon opening your package, please verify that all contents are present and undamaged:

- 1 x Blooy #447036 Throat Plate

5. Installation Guide

Proper installation of the throat plate is essential for the correct operation of your sewing machine. Follow these steps carefully.

5.1. Preparation

- **Safety First:** Always unplug your sewing machine from the power outlet before performing any maintenance or part replacement.
- Raise the needle to its highest position.
- Remove the presser foot for better access, if necessary.
- Gather any necessary tools, typically a small screwdriver.

5.2. Step-by-Step Installation

1. **Remove the Old Throat Plate:** Locate the screws holding the existing throat plate in place. These are usually small flat-head or Phillips head screws. Carefully unscrew them and lift the old throat plate away.
2. **Clean the Area:** Use a small brush or lint-free cloth to clean any lint, dust, or debris from the area beneath where the throat plate sits. This ensures smooth operation and prevents future issues.
3. **Position the New Throat Plate:** Carefully place the Blooy #447036 Throat Plate into position, ensuring that the screw holes align perfectly with the holes on the machine bed.



Figure 5.2.1: Angled view of the throat plate, useful for understanding its profile during installation.

4. **Secure the Throat Plate:** Insert the screws and gently tighten them. Do not overtighten, as this can strip the threads or damage the plate. Ensure the plate is flat and secure.
5. **Test Functionality:** Plug in your machine. Manually turn the handwheel to ensure the needle passes cleanly through the needle hole without hitting the plate. Also, check that the feed dogs move freely through their slots.

6. Operation & Function

Once installed, the throat plate works in conjunction with the feed dogs to move fabric evenly under the needle. It provides a smooth, flat surface for the fabric to rest on, preventing it from being pushed down into the bobbin area by the needle. The precise alignment of the needle hole and feed dog slots is critical for consistent stitch formation and preventing needle breakage.



Figure 6.1: Close-up of the throat plate's feed dog slot, highlighting the precision required for fabric movement.

7. Maintenance

Regular cleaning of your throat plate and the area beneath it will ensure optimal performance and extend the life of your sewing machine.

- **Daily Cleaning:** After each sewing session, use a small brush to remove any lint or thread snippets from the surface of the throat plate and around the feed dogs.
- **Periodic Deep Cleaning:** Periodically, remove the throat plate (following the installation steps in reverse) to thoroughly clean the bobbin case area and feed dog mechanism. Accumulated lint can affect stitch quality and machine performance.
- **Inspection:** Regularly inspect the throat plate for any burrs, scratches, or damage around the needle hole or feed dog slots. A damaged plate can snag fabric or cause needle breakage. Replace if significant damage is observed.

8. Troubleshooting

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

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Needle hitting throat plate	Incorrect installation; bent needle; wrong needle size; throat plate not seated correctly.	Re-install throat plate, ensuring it's flat and secure. Check needle for bends and replace if necessary. Ensure correct needle system for your machine.
Fabric not feeding smoothly	Lint buildup under throat plate; feed dogs not engaging properly; throat plate not flat.	Remove throat plate and clean thoroughly. Check feed dog height and movement. Ensure throat plate is securely screwed down.
Skipped stitches	Needle hitting throat plate; burrs around needle hole; incorrect needle.	Inspect throat plate for damage. Replace if burrs are present. Ensure needle is inserted correctly and is the correct type for your fabric.

9. Specifications

- **Part Code:** #447036
- **Manufacturer:** Blooy
- **Material:** Metal
- **Dimensions (Approximate):** 6 x 4 x 2 inches (as per product listing)
- **Compatibility:** Singer 1301 Domestic Home Household Sewing Machine

10. Warranty & Support

Specific warranty information for the Blooy #447036 Throat Plate is not provided in the product details. For any issues, questions, or support regarding this product, please refer to the seller or manufacturer's contact information provided at the point of purchase.

Always ensure you purchase genuine Blooy parts to guarantee compatibility and quality.

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