

Cutex 44635-474

Cutex Tension Assembly #44635-474 for Singer 974 Sewing Machine - Instruction Manual

Model: 44635-474

INTRODUCTION

This instruction manual provides guidance for the installation, operation, and maintenance of the Cutex Tension Assembly, part number 44635-474. This assembly is specifically designed for use with Singer 974 model sewing machines to ensure proper thread tension during sewing operations.

PRODUCT OVERVIEW

The tension assembly is a critical component of your sewing machine, responsible for regulating the tightness of the upper thread as it passes through the machine. Correct thread tension is essential for forming balanced stitches and preventing issues such as skipped stitches, looping, or puckering of fabric. The Cutex Tension Assembly 44635-474 is a complete unit, ready for installation.



Image 1: The Cutex Tension Assembly 44635-474. This image displays the complete tension assembly, featuring a white adjustment dial with numbers and plus/minus indicators, and the metal tension discs and spring mechanism.

SETUP AND INSTALLATION

Before beginning installation, ensure your sewing machine is turned off and unplugged from the power source for safety. Refer to your Singer 974 sewing machine's original service manual for specific instructions on accessing and replacing the tension assembly, as procedures may vary slightly.

1. **Locate the Existing Tension Assembly:** Identify the current tension assembly on your Singer 974 machine, typically found on the front or side of the machine where the upper thread passes through.
2. **Remove the Old Assembly:** Carefully detach the old tension assembly. This may involve unscrewing retaining screws or releasing clips. Note the orientation of the components as you remove them.
3. **Install the New Assembly:** Position the Cutex Tension Assembly 44635-474 in the same location and orientation as the old unit. Ensure all parts, including the tension discs and spring, are correctly aligned.
4. **Secure the Assembly:** Fasten the new assembly using the appropriate screws or clips. Do not overtighten.
5. **Test Threading:** Once installed, re-thread your sewing machine according to its manual and perform a test stitch on a scrap piece of fabric to verify proper function.

If you encounter difficulty, consult a qualified sewing machine technician.

OPERATING AND ADJUSTMENT

The tension assembly allows you to adjust the upper thread tension to suit different fabrics and thread types. The dial on the assembly typically has numbered settings, with lower numbers indicating looser tension and higher numbers indicating tighter tension.

- **Standard Setting:** Begin with the tension dial set to a middle number, often around 3-5, as a starting point for general sewing.
- **Adjusting Tension:**
 - If the bobbin thread appears on the top side of the fabric, the upper tension is too tight. Decrease the tension by turning the dial to a lower number.
 - If the upper thread appears on the underside of the fabric, the upper tension is too loose. Increase the tension by turning the dial to a higher number.
- **Test Stitches:** Always perform test stitches on a scrap piece of the fabric you intend to use, with the same thread, to achieve the desired stitch balance.

MAINTENANCE

Regular maintenance helps ensure the longevity and proper function of your tension assembly.

- **Cleaning:** Periodically clean the tension discs to remove lint and thread residue that can accumulate and affect tension. Use a small brush or a piece of fabric to gently clean between the discs.
- **Inspection:** Inspect the tension spring and discs for any signs of damage, bending, or wear. A damaged spring or grooved discs can lead to inconsistent tension.
- **Lubrication:** The tension assembly generally does not require lubrication. Refer to your sewing machine's manual for specific lubrication guidelines for other parts of the machine.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Uneven stitches / Looping thread	Incorrect upper thread tension.	Adjust the tension dial. Ensure the thread is correctly seated between the tension discs.
Thread breaking frequently	Upper tension too tight, or burrs on tension discs.	Loosen upper tension. Inspect discs for damage and clean thoroughly.
Fabric puckering	Upper tension too tight for the fabric.	Reduce upper tension. Use a lighter needle or thread if necessary.
No tension adjustment effect	Lint or thread caught in tension discs, or damaged spring.	Clean discs thoroughly. Inspect spring for damage; replace assembly if necessary.

SPECIFICATIONS

Part Number: 44635-474

Compatibility: Singer 974 Sewing Machine

Manufacturer: Cutex

WARRANTY INFORMATION

Specific warranty details for this product are not provided in the available information. Please refer to the retailer or manufacturer's official website for current warranty policies regarding Cutex sewing machine parts.

SUPPORT AND CONTACT

For further assistance or inquiries regarding the Cutex Tension Assembly 44635-474, please contact Cutex customer support or the retailer from whom the product was purchased. Always refer to your Singer 974 sewing machine's original manual for comprehensive machine-specific instructions.

You may also visit the official [Cutex Store on Amazon](#) for more information on their products.