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## Rex RX-518-21101

# Instruction Manual: Rex RX-518 Motor Belt

For Rex RX-518 Portable Blindstitch Sewing Machine

## INTRODUCTION

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This manual provides essential information for the installation, operation, and maintenance of the motor belt for the Rex RX-518 Portable Blindstitch Sewing Machine. Please read these instructions carefully before proceeding with installation or maintenance to ensure proper function and longevity of your machine component.

## PRODUCT OVERVIEW

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The Rex RX-518 Motor Belt is a crucial component designed to transmit power from the motor to the sewing mechanism of your Rex RX-518 Portable Blindstitch Sewing Machine. This belt is specifically engineered for compatibility with the RX-518 model, ensuring optimal performance and fit.



*Image 1: The orange motor belt for the Rex RX-518 Portable Blindstitch Sewing Machine. This belt features a ribbed inner surface for efficient power transmission.*

## INSTALLATION (MOTOR BELT REPLACEMENT)

Follow these steps to safely replace the motor belt on your Rex RX-518 sewing machine:

1. **Safety First:** Ensure the sewing machine is unplugged from the power outlet before beginning any installation or maintenance.
2. **Access the Motor Area:** Depending on your machine's design, you may need to open a cover or panel to access the motor and belt assembly. Refer to your Rex RX-518 sewing machine's primary manual for specific instructions on accessing this area.
3. **Remove the Old Belt:** Carefully disengage the old belt from the motor pulley and the machine's drive wheel. Note the path of the belt for easier installation of the new one.
4. **Install the New Belt:** Place the new Rex RX-518 motor belt around the smaller motor pulley first, then stretch it over the larger drive wheel of the sewing machine. Ensure the ribbed side of the belt engages correctly with the pulleys.
5. **Adjust Belt Tension:** The belt should be taut enough to prevent slipping but not so tight that it strains the motor or machine bearings. There is typically an adjustment mechanism (often a bolt on the motor mount) that allows you to slide the motor slightly to achieve the correct tension. A common test is to press on the belt midway between the pulleys; it should deflect slightly (e.g., about 1/4 to 1/2 inch).
6. **Secure Components:** Once the tension is set, tighten any loosened bolts or screws. Replace any covers or panels that were removed.
7. **Test Functionality:** Plug the machine back in and perform a slow test run to ensure the belt operates smoothly without slipping or excessive noise.

## OPERATION WITH NEW BELT

After successful installation and tension adjustment, the motor belt will facilitate the proper operation of your Rex RX-518 Portable Blindstitch Sewing Machine. The belt's function is automatic once the machine is powered on and engaged. If you notice any unusual noises, slipping, or a lack of power transmission, refer to the Troubleshooting section.

## MAINTENANCE

Regular maintenance of your motor belt can extend its lifespan and ensure consistent machine performance:

- **Inspect Regularly:** Periodically check the belt for signs of wear, cracking, fraying, or glazing. Replace the belt if any significant damage is observed.
- **Check Tension:** Over time, belt tension can change. Re-check and adjust the tension as needed to prevent slipping or undue stress on the motor and machine.
- **Keep Clean:** Ensure the belt and pulleys are free from lint, dust, oil, or other debris that could cause slipping or premature wear. Use a dry cloth to gently wipe the belt and pulley surfaces.
- **Avoid Overloading:** Do not force the sewing machine through excessively thick materials or operate it beyond its recommended capacity, as this can put undue strain on the motor belt.

## TROUBLESHOOTING

If you encounter issues related to the motor belt, consider the following:

Problem	Possible Cause	Solution
Belt Slipping	Insufficient tension, worn belt, oil/grease on belt/pulleys.	Adjust belt tension. Clean belt and pulleys. Replace worn belt.
Unusual Noise (Squealing/Grinding)	Incorrect tension (too loose or too tight), misaligned pulleys, worn belt.	Adjust tension. Check pulley alignment. Replace belt if worn.
Machine Not Moving / Loss of Power	Broken belt, severely slipping belt, motor issue (less likely if belt is the only new component).	Inspect belt for breakage and replace if necessary. Check belt tension. Consult a technician if motor issues are suspected.

For issues not directly related to the motor belt, please consult the original instruction manual for your Rex RX-518 Portable Blindstitch Sewing Machine or contact a qualified service technician.

## SPECIFICATIONS

**Brand:** Rex

**Model Compatibility:** Rex RX-518 Portable Blindstitch Sewing Machine

**Item Model Number:** RX-518-21101

**Material:** Spring Steel

**Belt Style:** Woven Flat Belt

**Color:** Orange

**Item Weight:** 0.634 ounces

**Package Dimensions:** 3.03 x 2.68 x 0.55 inches

## **WARRANTY INFORMATION**

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Specific warranty details for this motor belt should be obtained directly from the retailer or manufacturer at the time of purchase. Please retain your proof of purchase for any warranty claims.

## **SUPPORT**

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For further assistance, technical support, or inquiries regarding this product, please contact the seller or the Rex manufacturer directly. Refer to your purchase documentation for contact information.