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ckpsms 543979

Instruction Manual

KUNPENG Free Moving Zigzag Plate

Model: 543979 | Brand: ckpsms

1. Product Overview

The KUNPENG 543979 Free Moving Zigzag Plate is a high-quality replacement embroidery plate designed to enhance the free-motion embroidery capabilities of compatible industrial zigzag sewing machines. This specialized needle plate allows the user to freely move the fabric, enabling intricate and creative embroidery designs.

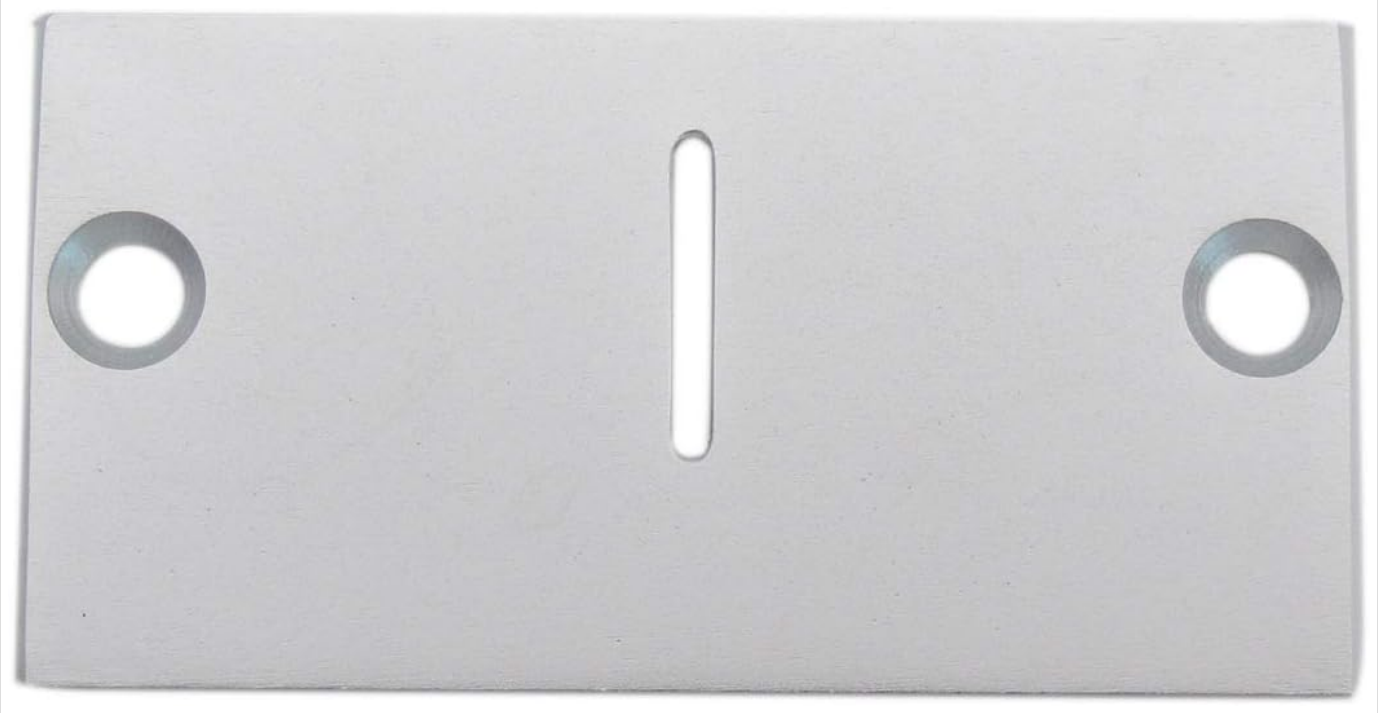


Figure 1: KUNPENG 543979 Free Moving Zigzag Plate (Top View)

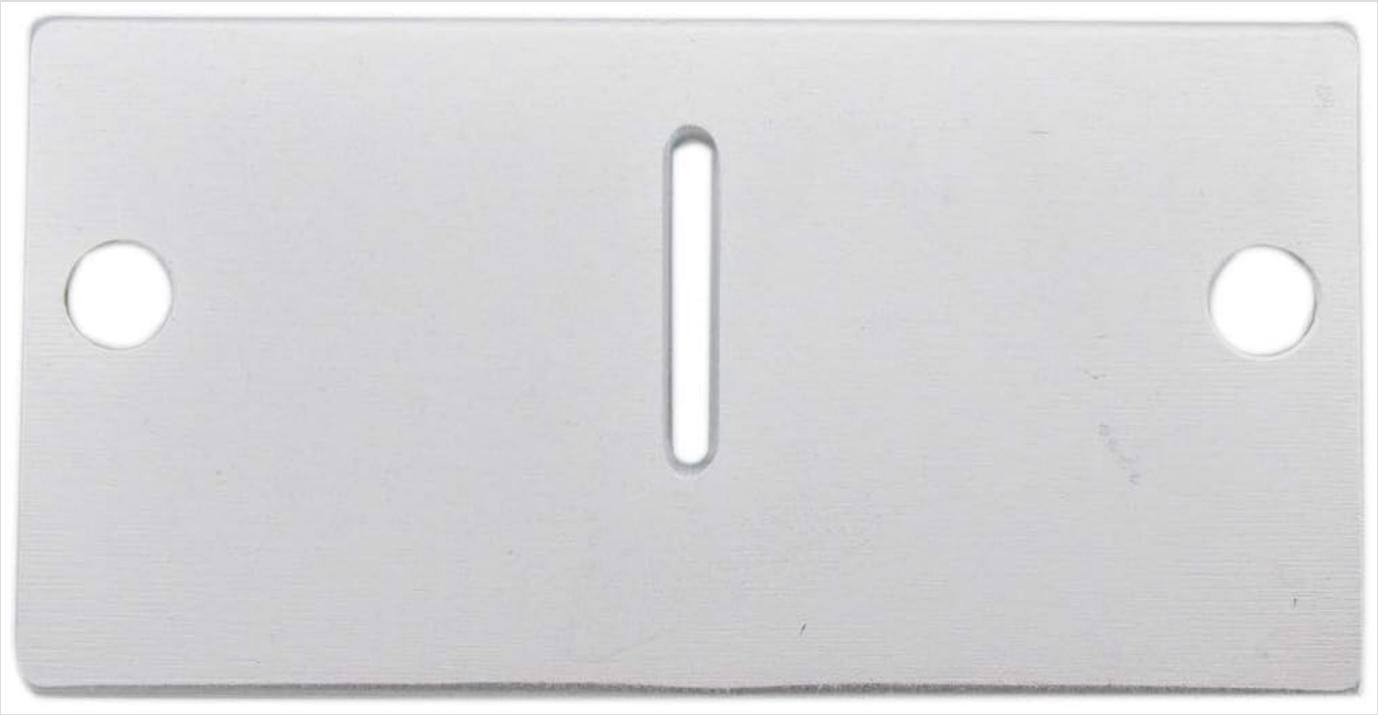


Figure 2: KUNPENG 543979 Free Moving Zigzag Plate (Alternate View)

2. Compatibility

This replacement embroidery plate is compatible with various SINGER industrial zigzag sewing machine models, including but not limited to:

- SINGER 20U42
- SINGER 20U-11
- SINGER 20U-13
- SINGER 20U-23
- Other SINGER 20U series machines capable of free-motion embroidery using a knee bar to rotate the needle.

Always verify the part number (543979) and compatibility with your specific sewing machine model before installation.

3. Installation Instructions

Follow these steps to install the Free Moving Zigzag Plate:

1. **Safety First:** Before beginning any installation or maintenance, ensure your sewing machine is turned off and unplugged from the power source to prevent accidental operation.
2. **Remove Existing Needle Plate:** Locate the screws holding the current needle plate in place on your sewing machine. Using an appropriate screwdriver, carefully loosen and remove these screws. Lift the old needle plate away from the machine.
3. **Clean the Area:** While the needle plate is removed, take the opportunity to clean any lint, dust, or debris from the feed dog area and bobbin case area using a small brush or lint remover.
4. **Position the New Plate:** Carefully align the KUNPENG 543979 Free Moving Zigzag Plate over the feed dogs, ensuring the mounting holes on the plate align with the screw holes on the machine bed.
5. **Secure the Plate:** Insert the screws into the mounting holes and gently tighten them. Do not overtighten, as this can damage the plate or the machine. Ensure the plate is seated firmly and does not wobble.
6. **Test Functionality:** Once installed, plug in and turn on your sewing machine. Manually turn the handwheel a few times to ensure the needle passes cleanly through the plate's slot without obstruction.

If you encounter any difficulties, consult your sewing machine's original manual or seek assistance from a qualified technician.

4. Operating for Free-Motion Embroidery

This zigzag plate is specifically designed to facilitate free-motion embroidery. For optimal use, ensure your sewing machine is set up for free-motion work, which typically involves:

- **Lowering or Covering Feed Dogs:** Most machines require the feed dogs to be lowered or covered with a darning plate to allow free movement of the fabric.
- **Using a Darning or Free-Motion Foot:** While this plate allows fabric movement, a specialized darning or free-motion presser foot is usually recommended for better visibility and control.
- **Knee Bar Operation:** For SINGER 20U models, the knee bar is often used to control needle rotation, which is essential for free-motion embroidery with this plate.

With the free-moving zigzag plate installed and your machine configured, you can now move your fabric freely under the needle to create custom embroidery designs without the machine's feed dogs dictating the stitch length or direction.

5. Maintenance

To ensure the longevity and optimal performance of your KUNPENG Free Moving Zigzag Plate:

- **Regular Cleaning:** Periodically remove the plate and clean any lint or thread buildup from its underside and the surrounding machine area. Use a soft brush or lint remover.
- **Inspection:** Before each use, inspect the plate for any signs of damage, such as bends, nicks, or burrs, which could affect stitch quality or fabric movement. Replace the plate if significant damage is observed.
- **Storage:** If removing the plate for extended periods, store it in a clean, dry place to prevent corrosion or damage.

6. Troubleshooting

If you experience issues after installing the zigzag plate, consider the following:

- **Needle Hitting Plate:** Ensure the plate is correctly aligned and securely fastened. Verify that you are using the correct needle type and size for your machine and the plate's slot.
- **Fabric Not Moving Freely:** Confirm that the feed dogs are properly lowered or covered. Check for any obstructions under the plate.
- **Poor Stitch Quality:** Recheck needle installation, thread tension, and bobbin winding. Ensure the plate is clean and free of debris.

For persistent issues, refer to your sewing machine's comprehensive troubleshooting guide or contact a professional sewing machine technician.

7. Specifications

- **Part Number:** 543979
- **Type:** Free Moving Zigzag Embroidery Plate
- **Material:** Metal
- **Brand:** ckpsms (Replacement Part)
- **Compatibility:** SINGER Industrial Zigzag 20U Series (e.g., 20U42, 20U-11, 20U-13, 20U-23)

8. General Product Safety Guidelines

While this manual focuses on the zigzag plate, it is crucial to adhere to general safety practices when operating any sewing machine or handling its parts. The following guidelines are provided for your safety:

Product safety photos and guideline

For CKPSMS brand sewing machine parts and accessories



Needle Plate:
Always use the correct needle plate for your sewing machine model. Do not use a damaged or bent needle plate. When changing the needle plate, make sure the sewing machine is turned off and unplugged.



Bobbin Case:
Always use the correct bobbin case for your sewing machine model. Do not use a damaged or bent bobbin case. When changing the bobbin case, make sure the sewing machine is turned off and unplugged.



Presser Foot:
Always use the correct presser foot for your sewing machine model. Do not use a damaged or bent presser foot. When changing the presser foot, make sure the sewing machine is turned off and unplugged.



Fabric cleaner:
a. Do not spray towards the body, face, or hands of a person.
b. Keep out of reach of children.
c. Do not use upside down.
d. Do not connect to a power source with a voltage that does not match the product.
e. Do not modify the power cord or auxiliary tools of this product by yourself.



Foot pedal, auto bobbin winder and any other products which are required to connect to the power:
a. Do not use the product when your hands are wet.
b. If the power cord is damaged, stop using the product immediately and replace it with a new one.
c. Always disconnect the power supply before repairing the product.
d. Do not connect the product to a power source with a voltage that does not match.



Looper, thread cutter, blades and any other products which are sharp or incisive:
a. Take sufficient safety precautions to prevent injury to your fingers.
b. Before disassembling or assembling, understand the correct method and make sure to install it in the designated position.
c. Keep it in a place where children cannot touch it.
d. Store it in a sturdy packaging box and take measures to prevent rust and corrosion.

Product Safety Guidelines

Figure 3: General Sewing Machine Parts Safety Guidelines

Needle Plate:

- Always use the correct needle plate for your sewing machine model.
- Do not use a damaged or bent needle plate.
- When changing the needle plate, make sure the sewing machine is turned off and unplugged.

Bobbin Case:

- Always use the correct bobbin case for your sewing machine model.
- Do not use a damaged or bent bobbin case.
- When changing the bobbin case, make sure the sewing machine is turned off and unplugged.

Presser Foot:

- Always use the correct presser foot for your sewing machine model.
- Do not use a damaged or bent presser foot.
- When changing the presser foot, make sure the sewing machine is turned off and unplugged.

Fabric Cleaner:

- Do not spray towards the body, face, or hands of a person.
- Keep out of reach of children.
- Do not use upside down.
- Do not connect to a power source with a voltage that does not match the product.
- Do not modify the power cord or auxiliary tools of this product by yourself.

Foot Pedal, Auto Bobbin Winder and Other Products which are required to connect to the power:

- Do not use the product when your hands are wet.
- If the power cord is damaged, stop using the product immediately and replace it with a new one.
- Always disconnect the power supply before repairing the product.
- Do not connect the product to a power source with a voltage that does not match.

Looper, Thread Cutter, Blades and any other products which are sharp or incisive:

- Take sufficient safety precautions to prevent injury to your fingers.
- Before disassembling or assembling, understand the correct method and make sure to install it in the designated position.
- Keep it in a place where children cannot touch it.
- Store it in a sturdy packaging box and take measures to prevent rust and corrosion.

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For support, please refer to your sewing machine's original manufacturer manual or contact a certified technician.

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