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CKPSMS #56365

CKPSMS Oscillating Shaft Hook Gear User Manual

Model: #56365 | Brand: CKPSMS

1. Introduction

This manual provides essential information for the installation, function, and maintenance of the CKPSMS #56365 Oscillating Shaft Hook Gear. This high-quality replacement part is designed to restore the proper operation of compatible sewing machines.

Compatibility:

- **Riccar Sewing Machine Models:** 510, 666SU, RZ777, 706, 707, 7500, 777, 800R
- **Tacony Sewing Machine Models:** 762



Image 1.1: The CKPSMS Oscillating Shaft Hook Gear. This component is crucial for the hook mechanism in compatible sewing machines.

2. Product Overview

The #56365 Oscillating Shaft Hook Gear is a precision-engineered component responsible for driving the oscillating hook in a sewing machine, which is vital for forming stitches. It features a specific 7.9mm hole diameter for accurate fitment.



Image 2.1: Close-up view of the gear, highlighting the 7.9mm shaft hole for precise fitment.

3. Installation Instructions

Warning: Always unplug your sewing machine from the power outlet before performing any maintenance or installation. If you are unsure about any step, consult a qualified sewing machine technician.

1. **Preparation:** Ensure the sewing machine is turned off and unplugged. Clear the work area and gather necessary tools (e.g., screwdrivers, pliers, small wrench).
2. **Access the Old Gear:** Depending on your sewing machine model, you may need to remove covers or panels to access the oscillating shaft hook gear. Refer to your specific sewing machine's service manual for detailed access instructions.
3. **Remove the Old Gear:** Carefully detach the old gear from the oscillating shaft. Note its orientation and any retaining clips or screws. Take photos if necessary to aid reassembly.
4. **Install the New Gear:** Align the new CKPSMS #56365 gear with the oscillating shaft. Ensure the 7.9mm hole fits snugly. Secure it in place using the original retaining clips or screws, ensuring the gear is correctly oriented as the old one was.
5. **Reassemble and Test:** Reattach any covers or panels removed earlier. Plug in the sewing machine and perform a test run at a slow speed to ensure the gear operates smoothly and the machine functions correctly. Listen for unusual noises.



Image 3.1: The new gear as supplied, ready for installation.

4. Function in Operation

Once installed, the Oscillating Shaft Hook Gear works in conjunction with other internal components to drive the

sewing machine's hook mechanism. This mechanism is responsible for catching the needle thread loop and forming a secure stitch with the bobbin thread. Proper functioning of this gear is critical for consistent stitch quality and overall machine performance.

5. Maintenance

To ensure the longevity and optimal performance of your new gear and sewing machine:

- **Regular Cleaning:** Periodically clean the area around the gear to prevent lint and debris buildup, which can impede its movement.
- **Lubrication:** Refer to your sewing machine's manual for specific lubrication points and recommended lubricants. Apply a small amount of sewing machine oil to designated areas if required.
- **Inspection:** Occasionally inspect the gear for signs of wear, cracks, or damage. Early detection can prevent further issues.

6. Troubleshooting

If you experience issues after installing the new gear, consider the following:

- **Machine Not Moving or Jammed:** Ensure the gear is correctly seated and secured. Check for any obstructions or misaligned components.
- **Unusual Noises:** A grinding or clicking noise might indicate improper installation, a loose component, or interference with other parts. Recheck the installation steps.
- **Skipped Stitches or Poor Stitch Quality:**While this can be due to many factors, an improperly installed or faulty oscillating hook gear can contribute. Verify the gear's position and ensure it moves freely.

If problems persist, it is recommended to seek assistance from a professional sewing machine repair technician.

7. Specifications

Attribute	Detail
Part Number	#56365
Hole Diameter	7.9mm
Brand	CKPSMS
Compatibility	Riccar (510, 666SU, RZ777, 706, 707, 7500, 777, 800R), Tacony (762)

8. Warranty and Support

For information regarding warranty coverage or technical support for your CKPSMS #56365 Oscillating Shaft Hook Gear, please contact the seller or manufacturer directly. Keep your purchase receipt as proof of purchase.

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