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› HONEYSEW Lower Shaft Gear (673078003) for Janome Sewing Machines Instruction Manual

HONEYSEW 673078003

HONEYSEW Lower Shaft Gear (673078003) Instruction Manual

For Janome (Newhome) Sewing Machine Models

INTRODUCTION

This manual provides detailed instructions for the installation, maintenance, and troubleshooting of the HONEYSEW Lower Shaft Gear, part number 673078003. This gear is designed as a replacement component for a wide range of Janome (Newhome) sewing machine models, ensuring proper function and longevity of your machine.

Compatible Janome (Newhome) Sewing Machine Models:

- 606, 607, 608, 609, 610, 611, 618A, 619, 620, 622, 623
- 772FA, 802, 815
- 900, 910, 911, 920, 921, 980, 990



Image 1: The HONEYSEW Lower Shaft Gear (Part #673078003). This image shows the gear's teeth and the central metal hub with a visible set screw.

SETUP AND INSTALLATION

Proper installation is crucial for the correct operation of your sewing machine. Please follow these steps carefully.

Safety Precautions:

- Always **unplug your sewing machine** from the power outlet before performing any maintenance or installation.
- Work in a well-lit area.
- Keep small parts away from children.

Tools Required:

- Small screwdriver (flathead and/or Phillips, depending on machine)
- Possibly a hex key (Allen wrench) for set screws
- Soft cloth for cleaning
- Sewing machine oil (optional, for lubrication points as per machine manual)

Installation Steps:

1. **Access the Lower Shaft Gear:** Refer to your specific Janome sewing machine's service manual or diagrams for instructions on how to open the machine casing and access the lower shaft assembly. This typically involves removing screws from the base or side panels.
2. **Remove the Old Gear:** Locate the existing lower shaft gear. It is usually secured by one or more set screws on its metal hub. Loosen these screws carefully using the appropriate screwdriver or hex key. Gently slide the old gear off the shaft. *Note its orientation and depth on the shaft for correct installation of the new gear.*
3. **Install the New HONEYSEW Lower Shaft Gear:** Slide the new HONEYSEW gear (part #673078003) onto the lower shaft. Ensure it is correctly aligned with any keyways or markings on the shaft and positioned at the same depth as the old gear. The teeth of the new gear must mesh properly with any adjacent gears in the assembly.
4. **Secure the Gear:** Once the new gear is correctly positioned, tighten the set screws on its metal hub firmly. Do not overtighten, as this can strip the screws or damage the gear. Ensure the gear is securely fastened and does not wobble on the shaft.
5. **Reassemble and Test:** Carefully reassemble your sewing machine's casing, ensuring all screws are replaced. Plug in the machine and perform a few slow stitches without thread to confirm smooth operation and proper gear engagement. Listen for any unusual noises.



Image 2: Top view of the HONEYSEW Lower Shaft Gear, highlighting the set screws on the metal hub that secure it to the shaft.

OPERATING THE GEAR

The HONEYSEW Lower Shaft Gear is an internal mechanical component. Once correctly installed, it functions automatically as an integral part of your sewing machine's drive system. It transmits power from the motor to the needle bar, feed dogs, and other moving parts, enabling the machine to sew. There are no direct user operations required for the gear itself.

Ensure your sewing machine is operated according to its original manufacturer's instructions for optimal performance and to prevent undue stress on internal components, including this gear.

MAINTENANCE

Regular maintenance helps extend the life of your sewing machine and its components.

- **Regular Inspection:** Periodically, when cleaning your machine, inspect the lower shaft gear for any visible signs of wear, cracks, chipped teeth, or damage. Also, check that the set screws remain tight.
- **Cleaning:** Use a soft brush or compressed air to remove any lint, dust, or thread fragments that may accumulate around the gear assembly. Accumulation of debris can hinder smooth operation and cause premature wear. Avoid using harsh chemical cleaners, which can damage plastic components.
- **Lubrication:** Consult your sewing machine's original manual regarding specific lubrication points. If the lower shaft or adjacent bearings require lubrication, apply a small amount of high-quality sewing machine oil as recommended by your machine's manufacturer. *Do not over-lubricate the gear teeth themselves unless specifically instructed, as this can attract more lint and debris.*

TROUBLESHOOTING

If you experience issues after installing the new lower shaft gear, consider the following common problems and solutions:

- **Machine Not Turning or Jammed:**

Symptom: The motor runs, but the needle bar, handwheel, or other parts do not move, or the machine feels jammed.

Possible Cause: The lower shaft gear may be stripped, cracked, or improperly installed (e.g., not fully engaged with the shaft or adjacent gears).

Solution: Unplug the machine, open the casing, and carefully inspect the gear. Ensure it is securely fastened and its teeth are intact and properly meshing with other gears.

- **Unusual Noises (Grinding, Clicking):**

Symptom: Grinding, clicking, or loud whirring sounds coming from the lower shaft area during operation.

Possible Cause: Improper gear meshing, a loose gear, or a damaged gear.

Solution: Unplug the machine and inspect the gear's position and tightness. Ensure the set screws are secure and the gear is not rubbing against other components. Check for any debris caught in the gear teeth.

- **Skipped Stitches or Timing Issues:**

Symptom: The machine consistently skips stitches, or the needle and hook timing seem off.

Possible Cause: While often related to needle, tension, or hook issues, severe gear wear or incorrect installation can affect the machine's overall timing.

Solution: Verify the gear is correctly positioned and securely fastened. If the gear is worn, it may need replacement. If the issue persists, consult a qualified sewing machine technician.

If issues persist after checking the gear and following these troubleshooting steps, it is recommended to consult a qualified sewing machine technician or contact HONEYSEW customer support.

SPECIFICATIONS

- **Part Number:** 673078003
- **Brand:** HONEYSEW
- **Compatibility:** Janome (Newhome) Sewing Machine Models: 606, 607, 608, 609, 610, 611, 618A, 619, 620, 622, 623, 772FA, 802, 815, 900, 910, 911, 920, 921, 980, 990
- **Material:** Durable plastic/nylon gear with metal hub
- **ASIN:** B07YS9CHNK
- **Manufacturer:** HONEYSEW

WARRANTY AND SUPPORT

For warranty information or technical support regarding your HONEYSEW Lower Shaft Gear, please contact the seller

directly through your purchase platform or reach out to HONEYSEW customer service via their official website or contact channels. Please retain your purchase receipt as proof of purchase for any warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question