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JUKI HZL-G120

Juki HZL-G120 Sewing Machine Instruction Manual

Model: HZL-G120 | Brand: JUKI

Introduction

This manual provides comprehensive instructions for the safe and efficient operation, maintenance, and troubleshooting of your Juki HZL-G120 Computerized Sewing Machine. The HZL-G120 is designed for a wide range of sewing and quilting projects, featuring 180 stitch patterns and 1 font, a free arm, and a hard cover. Its box feed system ensures perfect stitch quality by eliminating fabric shrinking and shifting.

Figure 1: Front view of the Juki HZL-G120 Sewing Machine.

Setup

Unpacking and Placement

Carefully remove the sewing machine from its packaging. Place the machine on a stable, flat surface with adequate lighting. Ensure there is enough space around the machine for comfortable operation and fabric handling.

Power Connection

Connect the power cord to the machine and then to a suitable electrical outlet. Verify that the voltage matches your local power supply.

Foot Controller Connection

Plug the foot controller into the designated port on the machine.

Threading the Machine

Follow the numbered guides on the machine for proper upper thread tension and bobbin winding. The automatic needle threader simplifies the process of threading the needle.

Operating Instructions

Basic Sewing Operations

- **Stitch Selection:** Use the control panel to select from 180 stitch patterns and 1 font. The LCD display will show the selected stitch and recommended settings.
- **Automatic Needle Threader:** Utilize the lever for quick and easy needle threading.
- **Start/Stop Button:** Begin and end sewing without the foot controller.
- **Reverse Stitch Button:** For reinforcing seams.
- **Needle Up/Down Button:** Position the needle precisely for pivoting fabric.

Advanced Features

- **Box Feed System:** This system ensures consistent fabric feeding, preventing shrinking and shifting, which is especially beneficial for quilting and heavy materials.
- **High Quality Buttonholes:** Choose from 8 different types of buttonholes for professional-looking finishes.
- **Drop Feed for Quilting:** Easily lower the feed dogs for free-motion quilting and free-hand embroidery by flipping a switch.
- **Powerful Feeding:** The improved presser foot construction allows the HZL-G120 to handle heavy materials like denim with ease.

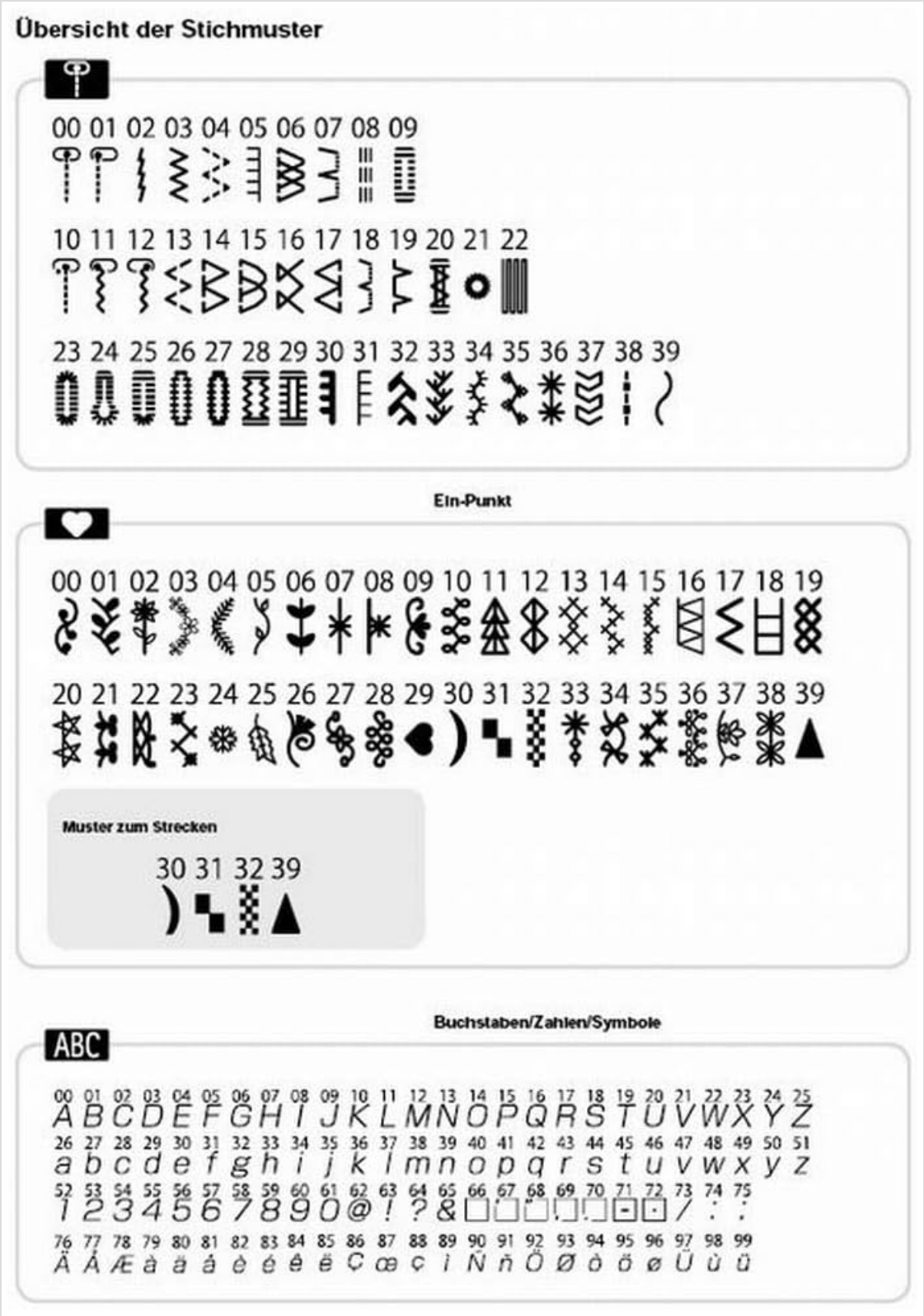

Figure 2: Overview of available stitch patterns and fonts on the Juki HZL-G120.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your Juki HZL-G120 sewing machine.

- **Cleaning:** Regularly clean the bobbin case area and feed dogs using the brush provided. Remove any lint or thread scraps.
- **Oiling:** Refer to your detailed manual for specific oiling points and frequency. Use only recommended sewing machine oil.
- **Needle Replacement:** Replace the needle frequently, especially when sewing different fabric types or if the

needle becomes dull or bent.

- **Annual Servicing:** It is recommended to have your machine professionally serviced annually to maintain its performance and address any potential issues.

Troubleshooting

This section addresses common issues you might encounter with your Juki HZL-G120.

Problem	Possible Cause	Solution
Skipped Stitches	Incorrect needle, bent needle, improper threading, wrong thread tension.	Replace needle with correct type/size, re-thread machine, adjust tension.
Thread Breaking	Incorrect threading, high tension, poor quality thread, burr on needle plate.	Re-thread, reduce tension, use quality thread, check for burrs.
Fabric Not Feeding	Feed dogs lowered, presser foot pressure too low, lint under feed dogs.	Raise feed dogs, increase presser foot pressure, clean feed dogs.

For more complex issues, please refer to the detailed troubleshooting guide in your full user manual or contact Juki customer support.

Specifications

Key technical specifications for the Juki HZL-G120 Sewing Machine:

- **Model Number:** HZL-G120
- **Product Dimensions:** 17.48 x 8.18 x 11.48 inches (44.4 x 20.8 x 29.2 cm)
- **Item Weight:** 19 pounds (8.6 kg)
- **Manufacturer:** JUKI
- **Stitch Patterns:** 180
- **Fonts:** 1
- **Buttonhole Types:** 8
- **Features:** Computerized, Free Arm, Hard Cover, Box Feed System, Automatic Needle Threader, Drop Feed.

Figure 3: Juki HZL-G120 Sewing Machine with key dimensions indicated.

Warranty and Support

Your Juki HZL-G120 Sewing Machine comes with a manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions, including coverage duration and what is covered. For technical assistance, spare parts, or service inquiries, please contact JUKI customer support through their official website or the contact information provided in your product documentation. Always provide your model number (HZL-G120) and serial number when seeking support.
Protection plans are also available for extended coverage:

- 3-Year Protection Plan: $69.99
- 4-Year Protection Plan: $93.99

These plans offer additional peace of mind beyond the standard manufacturer's warranty.

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