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Janome DC6100

Janome DC6100 Computerized Sewing Machine User Manual

Model: DC6100

1. Introduction

This manual provides comprehensive instructions for the safe and efficient operation of your Janome DC6100 Computerized Sewing Machine. The DC6100 is designed for ease of use, featuring 100 built-in stitches, 7 one-step buttonholes, an LCD screen for stitch information, and advanced functions like an automatic needle threader and thread cutter. Please read this manual thoroughly before using the machine to ensure proper setup and operation.

2. Safety Instructions

To reduce the risk of electric shock, burns, fire, or injury to persons:

- Always unplug the machine from the electrical outlet immediately after using and before cleaning, removing covers, or making any user servicing adjustments.
- Never leave the machine unattended when plugged in.
- Keep fingers away from all moving parts. Special care is required around the sewing machine needle.
- Use the proper power cord and ensure the voltage matches your local supply.
- Do not operate if the cord or plug is damaged, or if the machine has been dropped or damaged.
- Keep children away from the machine during operation.

3. Package Contents

Verify that all items are present in the package:

- Janome DC6100 Computerized Sewing Machine
- Extra Wide Extension Table
- Hard Cover
- Standard Accessories (e.g., various presser feet, bobbins, needle set, seam ripper, screwdriver, lint brush) - *Specific accessories may vary by region.*



Figure 3.1: Janome DC6100 Sewing Machine with the extra wide extension table attached, providing a larger work surface for sewing projects.

4. Machine Overview

The Janome DC6100 features a user-friendly design with clearly labeled controls and an informative LCD screen.



Figure 4.1: Front view of the Janome DC6100, showing the LCD screen, stitch selection buttons, and main operational controls.

Key Features:

- **LCD Screen:** Displays selected stitch number, recommended presser foot, and adjustable stitch length/width settings.
- **Direct Stitch Selection Keys:** Quick access to frequently used stitches and buttonholes.
- **Built-in Needle Threader:** Simplifies threading the needle.
- **Automatic Thread Cutter:** Cuts both upper and bobbin threads with a single button press.
- **Start/Stop Button:** Allows sewing without the foot control.
- **Needle Up/Down Button:** Positions the needle up or down for pivoting fabric.
- **Auto-Lock Stitch Feature:** Automatically ties off stitches at the beginning and end of a seam.
- **Easy Set Bobbin System:** Drop-in bobbin for quick and easy setup.
- **6 Levels of Foot Pressure:** Adjustable to accommodate various fabric types.

5. Setup

5.1 Unpacking and Placement

1. Carefully remove the machine from its packaging.
2. Place the machine on a stable, level surface.
3. Connect the power cord to the machine and then to an appropriate electrical outlet.
4. Attach the foot control if you intend to use it.

5.2 Attaching the Wide Extension Table

To attach the wide extension table, slide its pegs into the corresponding holes on the free arm of the sewing machine until it clicks securely into place. This provides a larger, flat work area.

5.3 Winding the Bobbin

1. Place a spool of thread on the spool pin.
2. Guide the thread through the bobbin winding tension disc.
3. Place an empty bobbin onto the bobbin winder spindle.
4. Push the bobbin winder spindle to the right.
5. Press the Start/Stop button or the foot control to begin winding. Stop when the bobbin is full.
6. Cut the thread and return the spindle to the left.

5.4 Threading the Machine

Upper Threading:

1. Raise the presser foot lever.
2. Place the spool of thread on the spool pin.
3. Follow the numbered threading path indicated on the machine, ensuring the thread passes through all guides and the take-up lever.
4. Use the built-in needle threader to thread the needle, or thread it manually from front to back.

Lower (Bobbin) Threading:

1. Open the bobbin cover plate.
2. Insert the wound bobbin into the bobbin case with the thread unwinding counter-clockwise.
3. Guide the thread through the tension slot and then into the thread guide.
4. Replace the bobbin cover plate.

6. Operating Instructions

6.1 Basic Sewing

1. Turn on the machine.
2. Select your desired stitch using the direct selection keys or the stitch navigation buttons. The LCD screen will display the stitch number and recommended presser foot.
3. Place fabric under the presser foot and lower the presser foot lever.
4. Begin sewing by pressing the Start/Stop button or by gently pressing the foot control.
5. To stop, press the Start/Stop button again or release the foot control.

6.2 Adjusting Stitch Length and Width

Use the length and width adjustment buttons located near the LCD screen to modify stitch parameters. The LCD will update to show the new settings.

6.3 Using the Automatic Thread Cutter

After completing a seam, press the automatic thread cutter button. The machine will automatically cut both the upper and bobbin threads, saving time and thread.

6.4 Needle Up/Down Function

Press the needle up/down button to instantly raise or lower the needle. This is useful for pivoting fabric at corners or when removing your work.

6.5 Auto-Lock Stitch

Activate the auto-lock stitch feature to automatically secure the beginning and end of your seams with a series of small stitches, preventing unraveling.

6.6 Buttonhole Sewing

The DC6100 offers 7 one-step buttonhole styles. Attach the appropriate buttonhole foot, select the desired buttonhole stitch, and the machine will automatically sew the buttonhole to the correct size based on the button placed in the foot.

7. Stitch Selection

The Janome DC6100 includes 100 utility, decorative, and quilting stitches, along with 7 buttonhole styles. Stitches can be selected directly or navigated through using the control panel buttons. The LCD screen will display the selected stitch and recommended settings.

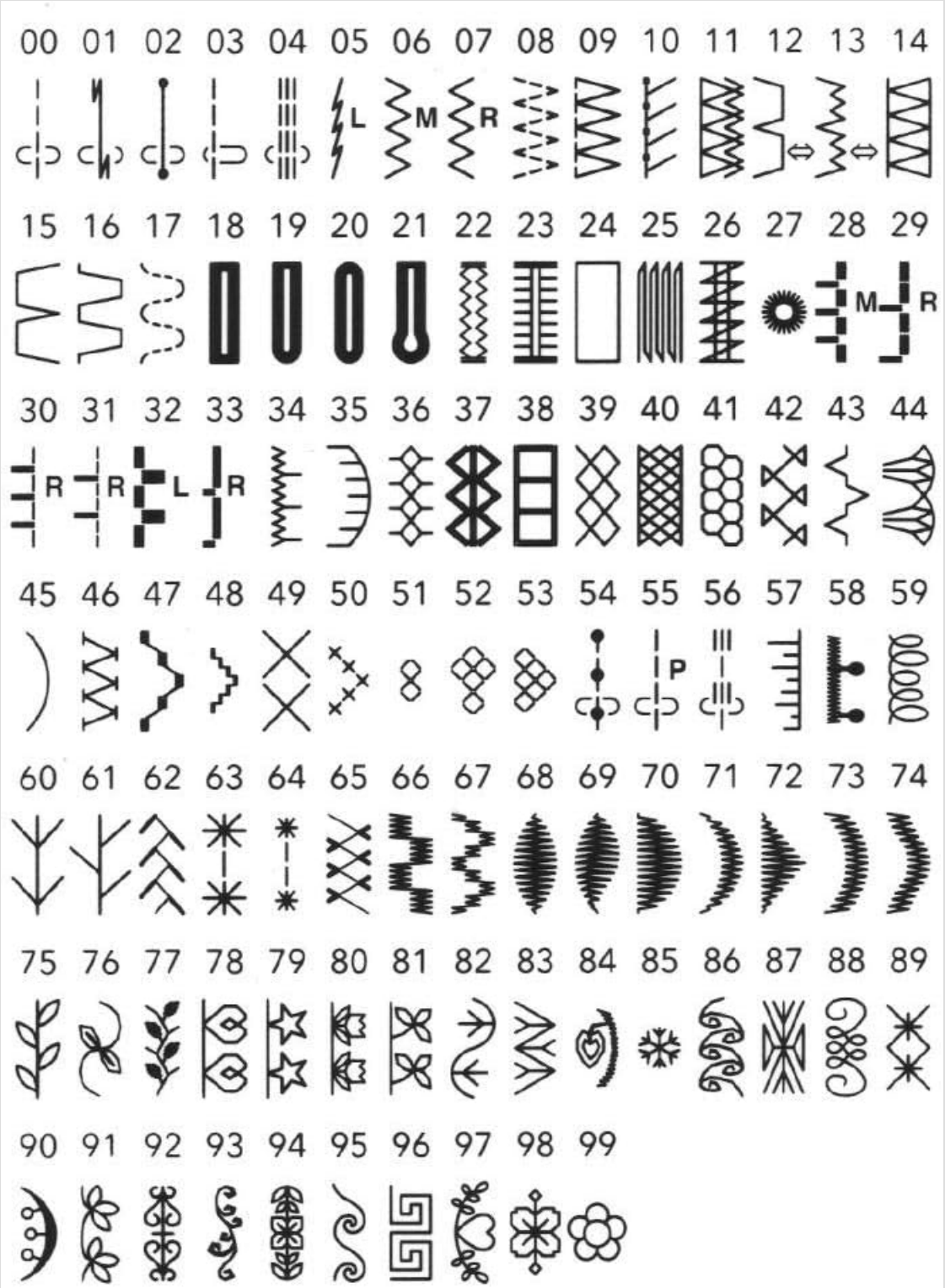


Figure 7.1: The comprehensive stitch chart for the Janome DC6100, illustrating the 100 available stitch patterns and their corresponding numbers.

8. Maintenance

8.1 Cleaning

- Always unplug the machine before cleaning.
- Regularly remove the needle plate and bobbin case to clean out lint and dust accumulation with the provided brush.
- Wipe the exterior of the machine with a soft, dry cloth. Do not use harsh chemicals.

8.2 Needle Replacement

Replace the needle frequently (after every 8-10 hours of sewing or when it becomes dull/bent) to prevent skipped stitches and fabric damage. Use only needles designed for home sewing machines.

8.3 General Care

When not in use, cover the machine with the hard cover to protect it from dust and damage.

9. Troubleshooting

This section addresses common issues you might encounter. For more complex problems, consult a qualified service technician.

Problem	Possible Cause	Solution
Skipped Stitches	Incorrect needle, bent needle, improper threading.	Replace needle, re-thread machine, ensure correct needle type for fabric.
Thread Breakage	Improper threading, incorrect tension, damaged needle, poor quality thread.	Re-thread machine, adjust tension, replace needle, use quality thread.
Uneven Stitches / Puckering	Incorrect tension, wrong needle size, improper presser foot pressure.	Adjust tension, change needle, adjust presser foot pressure.
Machine Not Starting	Power cord not connected, bobbin winder engaged, safety feature activated.	Check power connection, disengage bobbin winder, ensure presser foot is down.

10. Specifications

- **Model:** Janome DC6100
- **Stitch Count:** 100 Built-in Stitches
- **Buttonholes:** 7 One-Step Buttonholes
- **Power Source:** Corded Electric
- **Material:** Plastic
- **Item Weight:** Approximately 13.12 Pounds (5.95 kg)
- **Package Dimensions:** 50 x 41 x 28 cm
- **Features:** LCD Screen, Automatic Needle Threader, Automatic Thread Cutter, Start/Stop Button, Needle Up/Down, Auto-Lock Stitch, Easy Set Bobbin, 6 Levels of Foot Pressure.

11. Warranty and Support

For warranty information and customer support, please refer to the warranty card included with your product or visit the official Janome website. Keep your purchase receipt as proof of purchase for warranty claims. For technical assistance or service, contact your authorized Janome dealer or customer service center.

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