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› Brother CP2160F Computerized Sewing Machine User Manual

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Model: CP2160F

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1. INTRODUCTION

This manual provides instructions for the safe and efficient use of your Brother CP2160F Computerized Sewing Machine. Please read this manual thoroughly before operating the machine to ensure proper function and to prevent damage or injury. Keep this manual in a safe place for future reference.



Figure 1: Brother CP2160F Computerized Sewing Machine. This image shows the overall view of the sewing machine, highlighting its compact design and the LCD screen for stitch selection.

2. IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic safety precautions should always be followed, including the following:

- Read all instructions before using this sewing machine.
- Keep fingers away from all moving parts. Special care is required around the sewing machine needle.
- Always use the proper needle plate. The wrong plate can cause the needle to break.
- Turn the sewing machine off when making any adjustments in the needle area, such as threading the needle, changing the needle, threading the bobbin, or changing the presser foot.
- Always unplug the sewing machine from the electrical outlet when removing covers, lubricating, or when making any other user servicing adjustments mentioned in the instruction manual.
- Never drop or insert any object into any opening.
- Do not use outdoors.
- Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
- To disconnect, turn all controls to the off position, then remove the plug from the outlet.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- Brother CP2160F Computerized Sewing Machine
- Power Cord
- Foot Controller
- Accessory Bag (containing bobbins, needle set, twin needle, screwdriver, spool caps, extra spool pin, seam ripper, cleaning brush)
- **7 Sewing Feet:** Buttonhole foot, Zipper foot, Blind stitch foot, Button sewing foot, Overcasting foot, Monogramming foot, Zigzag foot (on machine)
- Instruction Manual (this document)

4. SETUP

4.1 Power Connection

1. Place the machine on a stable, flat surface.
2. Insert the machine plug into the jack on the right side of the machine.
3. Insert the power supply plug into a standard electrical outlet.
4. Turn on the main power switch, located on the right side of the machine. The LCD screen will illuminate.

4.2 Bobbin Winding

1. Place a spool of thread on the spool pin.
2. Guide the thread through the upper thread guide and around the pre-tension disc.
3. Place an empty bobbin onto the bobbin winder shaft and push it to the right.
4. Wrap the thread clockwise around the bobbin a few times.
5. Press the foot controller (or Start/Stop button) to begin winding. The machine will stop automatically when the bobbin is full.
6. Cut the thread, push the bobbin winder shaft to the left, and remove the wound bobbin.

4.3 Threading the Machine (Upper Thread)

1. Raise the presser foot lever.
2. Place a spool of thread on the spool pin.
3. Guide the thread through the upper thread guide.
4. Follow the numbered threading path indicated on the machine, ensuring the thread passes through the tension discs and takes up lever.
5. Use the advanced needle threading system: Lower the presser foot, lower the needle, then push down the needle threader lever to engage it. Guide the thread through the hook and release the lever.
6. Pull the thread loop through the needle eye.

4.4 Needle Installation

1. Turn off the machine power.
2. Loosen the needle clamp screw by turning it counter-clockwise.

3. Remove the old needle.
4. Insert the new needle with the flat side facing the back of the machine, pushing it up as far as it will go.
5. Tighten the needle clamp screw securely.

5. OPERATION

5.1 Stitch Selection

The CP2160F features 60 built-in stitches. Use the stitch selector buttons (usually '+' and '-') to navigate through the stitch patterns displayed on the LCD screen. The recommended stitch length and width will be displayed automatically, but can be adjusted if desired.

5.2 Automatic Buttonholes

This machine includes 7 auto-size buttonhole styles. Attach the buttonhole foot. Place the button you wish to match into the buttonhole foot's holder. Select the desired buttonhole stitch. The machine will automatically sew a buttonhole to the correct size.

5.3 Free-Arm Sewing

To convert to free-arm sewing, slide off the accessory box located at the front of the machine. This exposes the free arm, ideal for sewing cylindrical items like cuffs, sleeves, and pant hems.

5.4 Sewing Thick Fabrics

The CP2160F's robust feed system and fixed needle bar are designed to handle thick materials such as denim and tweed. Ensure you use the correct needle type and size for the fabric thickness to prevent needle breakage and ensure smooth feeding.

5.5 Using Included Sewing Feet

The machine comes with seven specialized sewing feet. Refer to the specific stitch instructions for which foot to use. To change a presser foot:

1. Raise the needle and presser foot.
2. Press the black lever at the back of the presser foot holder to release the current foot.
3. Align the new foot with the pin on the presser foot holder and lower the presser foot lever until it snaps into place.

6. MAINTENANCE

6.1 Cleaning the Machine

Regular cleaning helps maintain optimal performance. Always unplug the machine before cleaning.

- **Feed Dogs:** Remove the needle plate and use the cleaning brush to remove lint and dust from the feed dogs and bobbin area.
- **Hook Race:** Carefully remove the bobbin case and clean the hook race area with the brush.
- **Exterior:** Wipe the exterior surfaces with a soft, dry cloth. Do not use liquid cleaners or harsh chemicals.

Note: This machine does not require user lubrication.

7. TROUBLESHOOTING

Before contacting customer support, review these common issues and their solutions:

Problem	Possible Cause	Solution
Needle breaks	Incorrect needle size/type for fabric; bent needle; needle not fully inserted; pulling fabric while sewing.	Use correct needle; replace bent needle; re-insert needle correctly; guide fabric gently.
Skipped stitches	Needle bent or dull; incorrect needle insertion; improper threading; wrong needle for fabric.	Replace needle; re-insert needle; re-thread machine; use appropriate needle.
Thread jams	Improper threading; lint in bobbin case; bobbin wound unevenly.	Re-thread machine; clean bobbin area; re-wind bobbin evenly.
Machine not powering on	Power cord not connected; power switch off; electrical outlet issue.	Check power cord connections; ensure switch is ON; test outlet with another appliance.

8. SPECIFICATIONS

- **Model:** Brother CP2160F
- **Stitch Count:** 60 Built-in stitches
- **Buttonholes:** 7 One-step auto-size buttonholes
- **Needle Threader:** Advanced Needle Threading System
- **Display:** LCD Screen
- **Sewing Area:** Free-arm capability
- **Feed System:** Exceptional feed for thick fabrics
- **Included Feet:** 7 (Buttonhole, Zipper, Blind Stitch, Button Sewing, Overcasting, Monogramming, Zigzag)
- **Color:** White
- **Material:** Metal, Plastic
- **Product Dimensions (D x W x H):** 6.65" x 12.2" x 16.26"
- **Item Weight:** 226 Ounces (approx. 14.1 lbs)
- **Power Source:** Corded Electric
- **UPC:** 196271536956

9. CUSTOMER SUPPORT AND WARRANTY

For technical assistance, warranty information, or service inquiries, please contact Brother customer support. Refer to the official Brother website or the documentation included with your purchase for the most current contact details and warranty terms.

Online Support: www.brother-usa.com/support

Note: Warranty terms may vary by region and retailer. Keep your proof of purchase for warranty claims.

