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Gritzner 6152-DFT

Gritzner 6152-DFT Tipmatic Sewing Machine User Manual

Model: 6152-DFT

1. Introduction

This manual provides comprehensive instructions for the safe and efficient operation, maintenance, and troubleshooting of your Gritzner 6152-DFT Tipmatic Sewing Machine. Please read this manual thoroughly before using the machine to ensure optimal performance and longevity.

Important Safety Instructions

- Always unplug the machine from the electrical outlet immediately after using, before cleaning, or when making any user servicing adjustments mentioned in this instruction manual.
- Do not operate the machine if the cord or plug is damaged, if it is not working properly, or if it has been dropped or damaged.
- Keep fingers away from all moving parts. Special care is required around the sewing machine needle.
- Use only accessories recommended by the manufacturer.
- 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.

2. Setup

2.1 Unpacking and Placement

Carefully remove the machine from its packaging. Place the machine on a stable, flat surface. Ensure adequate lighting for your work area.

2.2 Power Connection

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

2.3 Foot Pedal Connection

Plug the foot pedal into the designated receptacle on the machine. The foot pedal controls the sewing speed

electronically.

2.4 Needle Installation

1. Turn the handwheel towards you to raise the needle to its highest position.
2. Loosen the needle clamp screw.
3. Insert a new needle with the flat side facing the back of the machine, pushing it up as far as it will go.
4. Tighten the needle clamp screw securely.



Figure 1: Gritzner 6152-DFT Tipmatic Sewing Machine. This image shows the overall design of the sewing machine, highlighting its compact and modern appearance.

2.5 Bobbin Winding

1. Place a spool of thread on the spool pin.
2. Guide the thread through the upper thread guide and around the bobbin winding tension disc.
3. Place an empty bobbin onto the bobbin winder spindle.
4. Wind the thread a few times manually around the bobbin.
5. Push the bobbin winder spindle to the right.
6. Press the foot pedal to start winding. The machine will stop automatically when the bobbin is full.
7. Cut the thread and push the bobbin winder spindle back to the left.

2.6 Threading the Machine

1. Raise the presser foot and the needle to its highest position.
2. Place the spool of thread on the spool pin.
3. Follow the numbered threading path indicated on the machine, guiding the thread through all guides, tension discs, and the take-up lever.
4. Thread the needle from front to back.
5. Insert the wound bobbin into the bobbin case under the needle plate.
6. Pull the bobbin thread up through the needle plate opening using the upper thread.

3. Operating Instructions

The Gritzner 6152-DFT Tipmatic offers a wide range of features for various sewing tasks.

3.1 Stitch Selection

This machine features up to 84 utility and decorative stitch programs. Select your desired stitch easily using the push buttons on the front panel. A clear stitch display will show your current selection.

3.2 Stitch Length and Width Adjustment

Adjust the stitch length continuously up to a maximum of 6 mm using the dedicated dial. Stitch width can also be adjusted for certain stitches to achieve desired results.

3.3 Thread Tension Adjustment

The thread tension can be freely adjusted to ensure consistent stitch quality across different fabrics and threads. Refer to the tension dial and adjust as needed for balanced stitches.

3.4 Reverse Sewing

To reinforce stitches at the beginning and end of a seam, press and hold the reverse lever/button. The machine will sew backward. Release to resume forward sewing.

3.5 Free Arm Sewing

For sewing tubular items like cuffs, sleeves, or pant hems, simply remove the accessory compartment to reveal the free arm. This allows fabric to be easily maneuvered around the arm.

3.6 Automatic Four-Step Buttonhole

The machine features an automatic four-step buttonhole function. Attach the buttonhole foot and follow the markings on the foot and machine to create perfectly sized buttonholes.

3.7 DFT Transporter (Dual Feed Transport)

The integrated DFT Transporter ensures even fabric feeding from both the top and bottom, preventing fabric layers from shifting. This is particularly useful for quilting, matching plaids, or working with slippery fabrics. To engage or disengage the DFT, refer to the specific lever or button on your machine.

3.8 Twin Needle Sewing

For decorative two-color stitching, the machine supports twin needle use. Install a twin needle and thread both needles separately according to the threading path. Ensure the stitch width is set appropriately to avoid needle breakage.

4. Maintenance

Regular maintenance ensures the smooth operation and extends the life of your sewing machine.

4.1 Cleaning

1. **Always unplug the machine before cleaning.**
2. Remove the needle plate and bobbin case.

3. Use the small brush provided (or a soft brush) to remove lint and dust from the feed dogs, bobbin area, and tension discs.
4. Wipe the exterior of the machine with a soft, dry cloth. Do not use harsh chemicals.

4.2 Needle Replacement

Replace the needle regularly, especially after 8-10 hours of sewing or if it becomes bent, dull, or burred. A damaged needle can cause skipped stitches, thread breakage, or damage to the fabric.

4.3 Presser Foot Change

Changing presser feet is easy and tool-free. Simply press the release lever at the back of the presser foot holder to detach the current foot, then align the new foot and lower the presser foot lever to snap it into place.

5. Troubleshooting

This section addresses common issues you might encounter with your sewing machine.

Problem	Possible Cause	Solution
Skipped Stitches	Incorrect needle, bent needle, improper threading, wrong needle size for fabric.	Replace needle, re-thread machine, use correct needle type/size.
Thread Breakage (Upper)	Incorrect threading, too much upper tension, damaged needle, poor quality thread.	Re-thread, reduce upper tension, replace needle, use good quality thread.
Thread Breakage (Bobbin)	Improperly wound bobbin, incorrect bobbin insertion, too much bobbin tension.	Re-wind bobbin correctly, re-insert bobbin, adjust bobbin tension.
Uneven Stitches	Incorrect thread tension, dull needle, fabric not feeding evenly.	Adjust tension, replace needle, ensure DFT is engaged if needed.
Machine Not Starting	Power cord not connected, foot pedal not connected, main power switch off.	Check all connections, ensure power switch is on.

6. Specifications

Technical details for the Gritzner 6152-DFT Tipmatic Sewing Machine:

- **Model Number:** 6152-DFT
- **Brand:** Gritzner
- **Dimensions (Package):** 46.8 x 44.2 x 25.2 cm
- **Weight (Package):** 10.8 kg
- **Color:** White
- **Material:** Sewing machine components (metal, plastic)
- **Power Source:** Electric Cable
- **Stitch Programs:** Up to 84 utility and decorative
- **Stitch Length:** Continuously adjustable, max. 6 mm
- **Special Features:** DFT Transporter, Quick Threading System, Free Arm, Automatic 4-step Buttonhole, Electronic

Speed Control, Twin Needle Capability.

7. Warranty and Support

Your Gritzner 6152-DFT Tipmatic Sewing Machine is covered by a manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions, including warranty duration and coverage details. For technical assistance, spare parts, or service inquiries, please contact your authorized Gritzner dealer or the customer support provided by the retailer where you purchased the machine. Keep your proof of purchase for warranty claims.

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