

USER MANUAL
mia 350

Sewing tips & tricks



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IMPORTANT SAFETY INSTRUCTIONS

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

Read the complete instructions before operating this sewing machine.

DANGER - To reduce the risk of electric shock:

Unplug the power cord immediately after use and before cleaning.

WARNING - To reduce the risk of burns, fire, electric shock or personal injury:

1. The sewing machine is not a toy. Increased caution is advised when the sewing machine is used by or near children.
2. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children must not play with the appliance. Cleaning and maintenance must not be carried out by children without supervision.
3. This sewing machine may only be used for the intended purpose described in this operating manual. Use only accessories recommended by the manufacturer and covered in these instructions.
4. Never use the sewing machine if the cables or plugs are damaged, the machine does not function properly, has fallen to the ground or been damaged, or has even fallen into water. In such cases, take the sewing machine to the nearest dealer or service center for inspection, repair or electronic or mechanical readjustment.
5. Use the sewing machine only when no ventilation openings of the machine and the foot control are blocked and keep them free of lint, dust and fabric residues.
6. Never insert objects into openings in the sewing machine or allow them to fall inside the machine.
7. Do not use the sewing machine outdoors.
8. In addition, do not use the sewing machine in places where propellant gas products (sprays) or pure oxygen are used.
9. To turn off the machine, set the power switch to the "0" position and then disconnect the power plug from the power outlet.
10. Always pull the plug and never the cord when disconnecting the machine from the power supply.
11. Keep your fingers away from all moving parts. Particular care must be taken in the area of the sewing needle.

12. Always use the original needle plate. The use of an incorrect needle plate can cause the needle to break.
13. Do not use bent needles.
14. Do not actively pull or push the fabric during sewing. This can lead to deflection of the needle and thus to needle breakage.
15. Switch off the machine (switch position "0") before you perform any activities in the needle area, such as threading, changing the needle, changing the presser foot, and the like.
16. Always disconnect the sewing machine from the power supply before removing covers, oiling the machine or any other oil the machine or carry out any other work intended to be performed by the user and specified in this operating manual.
17. Observe the following to avoid injuries:
 - Turn off the machine or unplug the power cord when leaving the machine unattended.
 - Unplug the power cord before performing maintenance or replacing lamps.

CAUTION: Moving parts! To reduce the risk of injury, turn off the sewing machine before servicing. Close the cover before operating the machine.

KEEP THIS INSTRUCTION

This product is intended for household or equivalent use.

This device complies with the EMC Directive 2014/30/EU for electromagnetic compatibility.

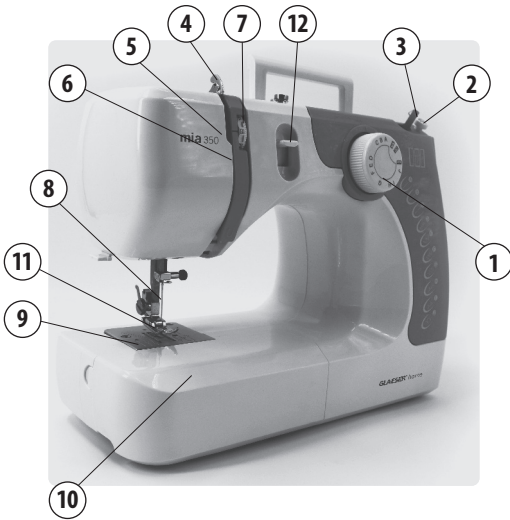


When disposing of this product, please note that it must be safely recycled in accordance with the relevant national legislation relating to electrical/electronic products. If in doubt, please contact your retailer for advice.

The design and specifications are subject to change without notice.

GET TO KNOW YOUR SEWING MACHINE

PART DESIGNATIONS

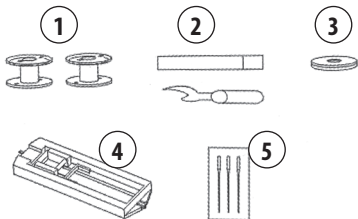


- ① stitch selector
- ② bobbin winder stopper
- ③ bobbin winder spindle
- ④ bobbin winder tension disk
- ⑤ take-up lever
- ⑥ upper thread guide
- ⑦ thread tension wheel
- ⑧ needle
- ⑨ stitch plate
- ⑩ dimension bar
- ⑪ sewing foot
- ⑫ reverse stitch control



- ⑬ handle
- ⑭ yarn spool pin
- ⑮ handwheel
- ⑯ power switch
- ⑰ machine socket
- ⑱ free arm
- ⑲ sewing foot lifter

STANDARD EQUIPMENT



- 1. bobbin
- 2. seam ripper
- 3. screwdriver
- 4. sliding buttonhole foot
- 5. needle set

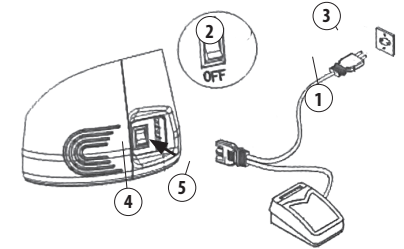
PREPARATIONS FOR SEWING

Connecting the machine to the power supply

1. mains plug
2. mains switch
3. power socket
4. machine socket
5. machine plug

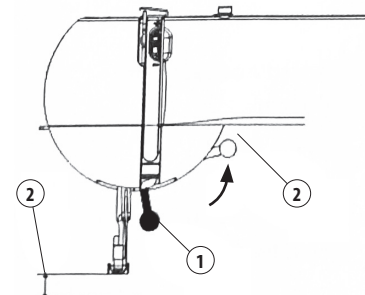
Before connecting the power cord, make sure that the voltage and frequency displayed on the machine matches yours.

1. turn off the power switch
2. insert the machine plug into the machine socket
3. insert the power plug into the power socket
4. turn on the power switch to turn on the power and the power supply of the sewing lamp.



SEWING IN REVERSE

As long as you press the "reverse stitch control" button during sewing, the machine will feed the fabric to the rear.



PRESSER FOOT LIFTER

1. Presser foot lifter ⑲
2. Standard upper position

The sewing foot lifter raises and lowers the sewing foot.

REPLACING THE SEWING FOOT

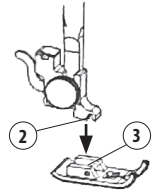
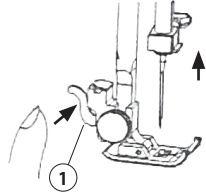
- ① lever
- ② nut
- ③ pin

To remove the presser foot:

Turn the handwheel in your direction to move the needle to its highest position. Raise the presser foot. Press the lever on the back of the foot holder. The presser foot comes off.

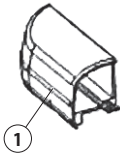
Insert a presser foot:

Place the presser foot so that the pin on the foot is aligned directly under the groove of the foot holder. Lower the foot holder to secure the foot.



EXTENSION TABLE / CONVERSION TO FREE-ARM SEWING

- ① extension table
- ② free arm

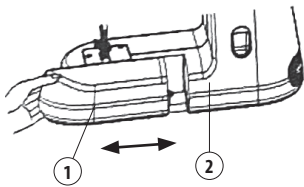


Removing the table

Pull the table (1) away from the machine to the left as shown, e.g. to sew cuffs and sleeves "free arm" (2). The slide-on table can be used as an accessory box.

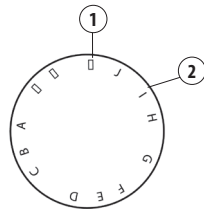
Attaching the table

Carefully slide the extension table into the machine from left to right until it locks into place.



STITCH SELECTOR

Raise the needle above the fabric. Turn the dial to select the desired pattern.



- ① Setting mark
- ② Stitch selector



CAUTION: To avoid needle or fabric damage, make sure the needle is up or out of the fabric while selecting a stitch.

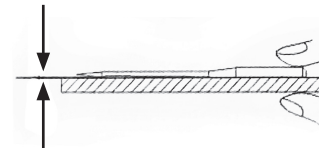
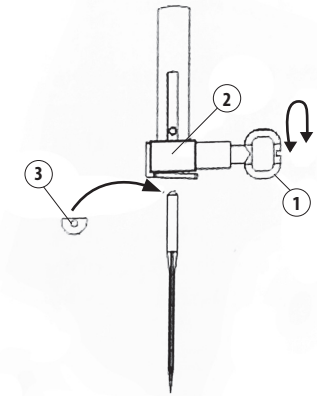
REPLACING THE NEEDLE

- ① Needle clamp screw
- ② Needle clamp
- ③ Needle side

1. Turn off the power switch
2. Raise the needle to its highest position by turning the handwheel counterclockwise towards you and lower the presser foot.
3. Unscrew the needle clamping screw (1) by turning it counterclockwise.
4. Remove the needle from the needle clamp.

Now insert a new needle into the needle clamp with the flat side (3) facing backwards. Push the needle up as far as possible when inserting it into the needle clamp (2).

Tighten the needle clamp screw (1) by turning it clockwise.



To check whether a needle is bent, place the flat side of the needle on a flat surface (e.g. stitch plate or glass plate): The distance between the needle and the flat surface should be even.

CAUTION:

Never use a bent or dull needle!

A damaged needle can cause permanent hang-ups or running stitches in knitwear, fine silk and silk-like fabrics.

WINDING

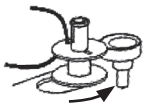
The thread spool holder is located on the back of the sewing machine. Pull out the thread spool pin. Place the feet and the bobbin in the correct order.

The thread end should come off the spool as shown.

- ① thread spool pin
- ② guide hook
- ③ thread spool

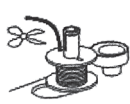
1. Disengage the clutch by pulling out the hand wire. This will prevent the needle from moving while you wind the bobbin.
2. Pull the thread from the thread reel. Guide the thread around the thread guide.
3. Pass the thread between the tension discs. (Thread through the hole in the bobbin from the inside to the outside).
4. Place the bobbin on the bobbin winder spindle.

5.



Slide the bobbin to the right.

6.



Hold the free end of the thread. Press the foot pedal. Stop the machine, when it has made a few revolutions, cut the thread near the hole in the bobbin.

7.



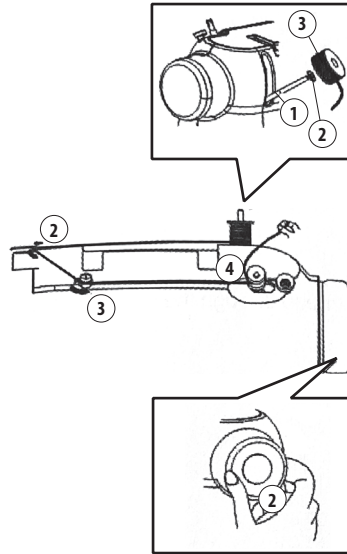
Press the foot starter again. When the bobbin is fully wound, it will stop automatically. Return the bobbin winder to its original position by moving the spindle to the left. Then cut the thread.

8.

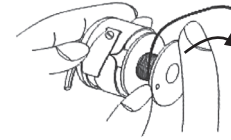


Press the handwheel to the left to engage the clutch.

The machine does not function until the clutch is engaged.



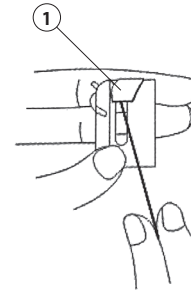
INSERTING THE BOBBIN



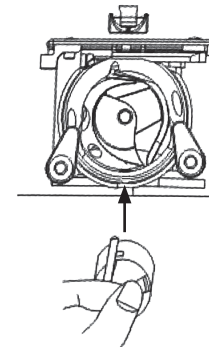
1. Place a bobbin in the bobbin case and make sure that the thread is guided clockwise by the bobbin.



2. Pull the thread through the slot in the bobbin case.



3. Then pull the thread 10 cm through the opening under the thread tensioner.



4. Hold the bobbin case by the flap latch and insert it into the hook of the machine.

THREADING THE MACHINE

Place a thread spool on the spool pin so that the thread comes out as shown in Figure 1. Then raise the thread lifter to its highest position by turning the handwheel counterclockwise towards you. Raise the presser foot.

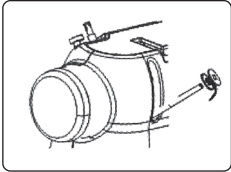
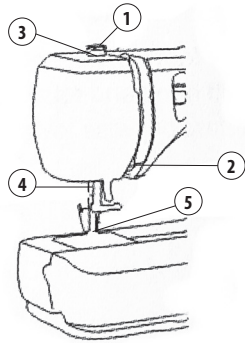
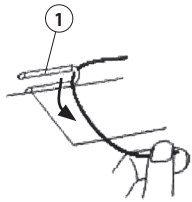


Figure 1



- ① thread guide
- ② tension discs
- ③ control thread holder
- ④ slotted eyelet
- ⑤ needle



1.

Guide the thread end around the thread guide.
(1) Thread guide



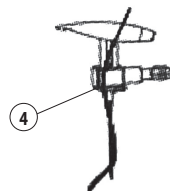
2.

Guide the thread between the tension discs and then around the control thread holder as shown around the control thread holder.



3.

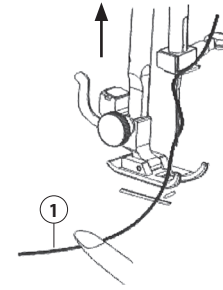
Pass the thread from right to left through the slotted eyelet and then down to the needle.



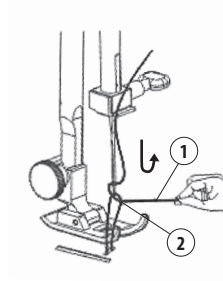
4.

Push the thread from the left behind the thread guide of the needle and then thread the needle from the front to the back.

FETCH BOBBIN THREAD UPWARDS

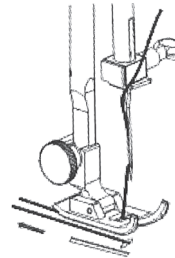


1. Raise the sewing foot. Now hold the needle thread with your left hand and turn the handwheel counterclockwise towards you for one complete revolution.



2. Bring the bobbin thread up by pulling lightly on the needle thread.

- ① bobbin thread
- ② needle thread

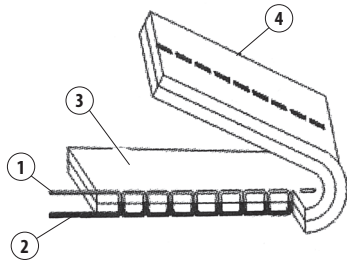


3. Pull both threads 10 to 15 cm under and behind the sewing foot.

ADJUSTING THE UPPER THREAD TENSION

Balanced Tension

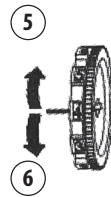
In the ideal degree stitch, the threads are sewn between two layers of fabric, as shown.



- ① upper thread
- ② bobbin thread
- ③ right side (top side) of the fabric
- ④ left side (bottom side) of the fabric

The voltage must be adjusted according to the following criteria:

- stiffness and thickness of the fabric
- number of fabric layers
- stitch type

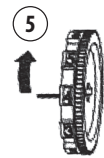
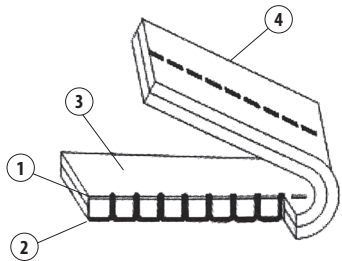


Turn the dial to adjust the tension only

- ⑤ loosen
- ⑥ tighten

Tension is too tight

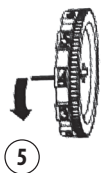
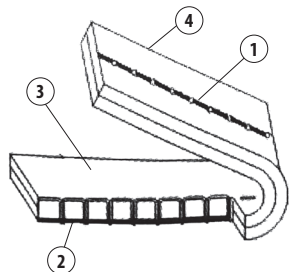
If the bobbin thread shows through on the top side of the fabric, turn the dial to a lower tension setting to loosen the top thread tension.



- ① upper thread
- ② lower thread
- ③ right side (top side) of the fabric
- ④ left side (bottom side) of the fabric
- ⑤ to release tension

The tension is too loose

If the needle thread shows through on the underside of the fabric, turn the dial to a higher tension setting to increase the needle thread tension.

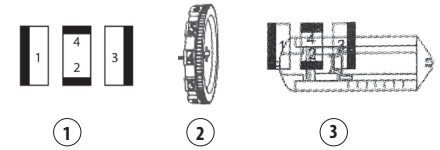


- ① upper thread
- ② lower thread
- ③ right side (top side) of the fabric
- ④ left side (bottom side) of the fabric
- ⑤ to tighten

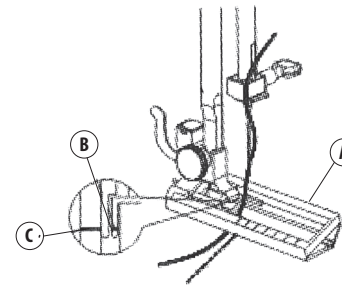
SEWING BUTTON HOLES

To sew buttonhole you will need:

- ① stitch selector
- ② upper thread tension
- ③ buttonhole sewing foot



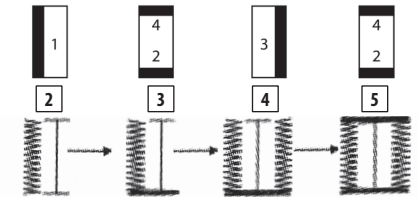
THIS IS HOW IT'S DONE







1. Attach the buttonhole sewing foot as described on page 8.

Carefully mark the buttonhole length on the fabric. Place the fabric under the foot so that the buttonhole mark is facing you.

Move the slider (A) towards you so that the top mark (C) on the slider aligns with the start mark (B). Lower the presser foot.



2. Set the Stitch selector to  and sew forward until you reach the front mark of the buttonhole. Stop sewing with a left stitch.
3. Set the stitch selector to  Sew 4-6 stitches. Stop sewing with a right stitch.
4. Set the stitch selector to  and sew until you have returned to the start mark of the buttonhole. have come. Stop sewing with a right stitch.
5. Set the stitch selector to  and sew 4-6 stitches. Stop sewing with a left stitch.

6. Remove the fabric and insert a pin at each end just before the bartack to prevent the bartacks from cutting through. Cut the opening with the buttonhole opener.



NOTE: When sewing a button hole on one edge of the fabric, set the end seam to slide backwards as shown.

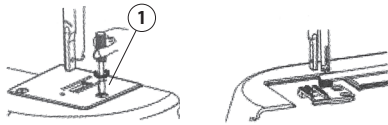


MAINTENANCE OF YOUR MACHINE

NOTE:

Turn off the power switch and/or disconnect the power plug before cleaning the machine. Do not disassemble the machine other than as described in this section.

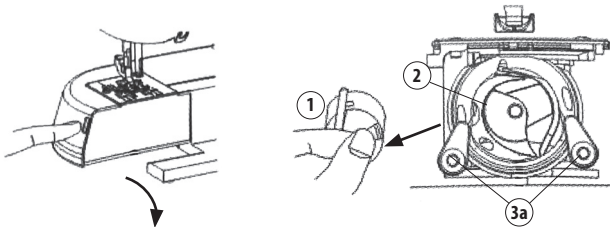
Cleaning the feed dog



1. Remove the needle and sewing foot. Remove the throat plate screw (1) and the throat plate.
2. Clean with a brush and remove dust and lint. They could clog the feed-dog line.
3. Reset the throat plate.

Reinigen des Transporteur-Bereichs / Demontieren der Transporteur-Einheit

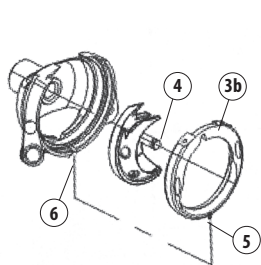
1. Move the needle to the highest position and open the hook cover.
2. Open the bobbin case flap and remove it from the machine.



- ① bobbin capsule
- ② hook track
- ③a hHook holder

Open the bobbin case flap and remove the bobbin case (1). Turn the handwheel until the hook path is on the left (2). Turn the two hook holders (3a) outward and remove the hook track with hook. Clean with a soft cloth and lubricate with sewing machine oil (1-2 drops).

Installing the feed-dog unit



- ③b gripper track
- ④ gripper
- ⑤ pin
- ⑥ recess

Pay attention to the alignment of the gripper unit (pos. 6 below). Insert the hook (4) so that it is on the left. Then fasten the hook track (3b) with the two hook holders (3a), making sure that the pin (5) is seated in the recess (6). Now you can reinsert the bobbin.

TROUBLESHOOTING

Error	Causes	Solution
upper thread breaks	Upper thread threaded improperly.	Thread the upper thread again (see page 12).
	Upper tension too tight.	Adjust upper tension (see page 12).
	Blunt or bent needle.	Replace needle (see page 9).
	Improper fixation of the needle.	Reinsert needle (see page 9).
	At the beginning of sewing, upper thread and bobbin thread are not properly fixed under the presser.	Proper operation.
	The thread is not suitable.	Replace thread.
lower thread breaks	The bobbin thread is not threaded correctly in the bobbin case.	Thread the bobbin thread again (see page 31).
	Cotton flocks are collected on the shuttle track.	Clean the shuttle web (see page 47)
	The bobbin is damaged and cannot deliver thread evenly.	Replace bobbin (see page 27)
needle breaks	Improper fixation of the needle	Replace needle (see page 9).
	Blunt or bent needle	Replace needle (see page 9).
	Needle clamping screw is loose.	Tighten needle clamping screw
	Excessively tight upper tension	Adjust upper tension (see page 14)
	Needle too thin	Insert correct needle (see page 9)

stitches are skipped	Improper fixation of the needle.	Reinsert needle (see page 9).
	Blunt or bent needle.	Replace needle (see page 9).
	The needle and (or) thread are not suitable for the fabric used.	Replace needle and thread (see page 9).
	Improperly threaded.	Re-thread upper thread (see page 12).
	The needle is not suitable.	Select suitable needle, e.g. jersey or microtex needles.
seams pucker	Excessively tight top tension.	Adjust top tension (see page 14).
	Improperly threaded.	Thread upper thread again (see page 12).
	Upper thread too thick for the fabric used.	Replace thread .
uneven feed	Feed dog is blocked by threads.	Clean feed dog (see page 16).
	Thread jammed.	Loosen jammed thread
machine does not run	The mains plug is not securely connected.	Check mains connection (see page 7)
	The thread is jammed at the shuttle.	Loosen jammed thread.
	The bobbin winder shaft has not been returned to the original position (after bobbin winding).	Push bobbin winder shaft to original position (see page 11).
thread error	The presser foot lifter has not lowered during sewing.	Lower the sewing foot lifter (see page 7)
	Upper thread threaded improperly.	Thread upper thread again (see page 12).
	Lower thread improperly threaded.	Thread the bobbin thread again (see page 13).



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