

# QUICK START GUIDE



BERNINA 335 | 325

**BERNINA**

*made to create*

IMPORTANT SAFETY INSTRUCTIONS .....	4
-------------------------------------	---

General Information .....	8
---------------------------	---

## General Facts

<b>1 Machine</b> .....	10
------------------------	----

1.1 Front .....	10
-----------------	----

1.2 Needle Area .....	10
-----------------------	----

1.3 Back .....	11
----------------	----

1.4 Controls .....	12
--------------------	----

<b>2 Accessories</b> .....	13
----------------------------	----

2.1 Included Presser Feet (B 325) .....	13
---	----

2.2 Included Presser Feet (B 335) .....	13
---	----

2.3 Included Accessories .....	14
--------------------------------	----

<b>3 Screen</b> .....	15
-----------------------	----

3.1 Home Screen .....	15
-----------------------	----

3.2 Sewing Screen .....	15
-------------------------	----

3.3 Stitch Selection .....	15
----------------------------	----

## User Interface Operation

<b>4 Preparing the Machine</b> .....	16
--------------------------------------	----

4.1 Connecting the Machine and Foot Control .....	16
---	----

4.2 Changing the Presser Foot .....	16
-------------------------------------	----

4.3 Changing the Presser Foot .....	17
-------------------------------------	----

4.4 Changing the Needle .....	17
-------------------------------	----

4.5 Winding the Bobbin Thread and Threading .....	18
---	----

4.6 Threading the Upper Thread .....	20
--------------------------------------	----

4.7 Attaching/Removing Slide-On Table .....	22
---	----

**Maintenance and Care**

**5 Maintenance** ..... 23

5.1 Cleaning the Feed Dog ..... 23

5.2 Cleaning and Lubricating the Hook ..... 24

**6 Technical Data** ..... 25

6.1 Technical Data ..... 25

**Troubleshooting**

**7 Troubleshooting** ..... 26

Please be aware of the following basic safety instructions when using your machine. Before using this machine, read instruction manual carefully.

- ▶ Switch off the machine before working in the needle area.
- ▶ Before starting the machine, close all covers.

## DANGER

To protect against electric shock, the following instructions must be observed.

- ▶ Never leave the machine unattended when it is connected to the power supply.  
Immediately after use and before cleaning, switch off the machine and disconnect the power cable from the outlet.

In order to protect against injury, the following instructions must be adhered to.

- ▶ Do not look directly into the LED lamp with optical instruments (e. g. magnifying glass).  
If the LED lamp is damaged or defective, have the LED lamp checked or repaired at your local BERNINA dealer.

## WARNING

To reduce the risk of burns, fire, electric shock or injury to persons, the following instructions must be observed.

### General Facts

- ▶ This machine may only be used for the purpose described in this instruction manual.

### Working Environment

- ▶ Do not use the machine outdoors.
- ▶ Only use the machine in dry rooms.
- ▶ Do not use the machine in a humid area.
- ▶ Do not use the machine in rooms where aerosol products (sprays) are being used.

- ▶ Do not use the machine in rooms where oxygen is dispensed.

## Technical Condition

- ▶ Never use the machine when it is damp.
- ▶ Do not use the machine if it is not working properly.
- ▶ Do not use the machine if a cable or the plug is damaged.
- ▶ Do not use the machine if it has been dropped, damaged or has fallen into water.
- ▶ If the machine is damaged or does not work properly, have the machine checked or repaired by your local BERNINA dealer.
- ▶ Keep all ventilation openings of the machine and the foot control free of lint, dust and loose cloth.  
Do not use the machine if the ventilation openings are blocked.

## Accessories and Supplies

- ▶ Only use the accessories recommended by the manufacturer.
- ▶ Always use the original BERNINA Stitch Plate. An incorrect stitch plate can result in needle breakage.
- ▶ Use only straight needles of good quality. Bent or damaged needles can cause needle breakage.
- ▶ The machine is double-insulated. Only use original spare parts. See instructions for servicing of double-insulated products.
- ▶ To lubricate the machine, only use oil recommended by BERNINA.

## Appropriate Use

- ▶ The machine may be used, cleaned and maintained by children older than eight or by people with reduced physical, sensory or mental capabilities or if there is a

lack of experience and knowledge as long as they have been given instructions.

Furthermore, these persons must be supervised while working with the machine, and/or they must know the safe operation of the machine and be aware of the resulting hazards.

- ▶ Children are not allowed to play with the machine. Special care should be taken when the machine is operated by or in the presence of children.

- ▶ Only use the machine with the supplied power cable. USA and Canada only: Do not connect power plug NEMA 1-15 to circuits exceeding 150 volt-to-ground.

If the machine is to be used in a country other than the country of origin, obtain a power cable suitable for this country from a BERNINA dealer.

- ▶ Only use this machine with the supplied foot control of type RR1.
- ▶ Do not insert any objects into the openings of the machine.
- ▶ Do not place any objects on the foot control.
- ▶ While sewing, guide the fabric gently. Pulling and pushing the fabric can cause needle breakage.
- ▶ Keep fingers away from all moving parts. Special care is required in the needle area.
- ▶ Only lift the machine by the handle.
- ▶ For activities in the needle area - such as threading the needle, changing the needle, threading the looper or changing the presser foot - switch off the machine. To switch off, set the power switch to «0».
- ▶ When protective covers are removed, when the machine is oiled or when other cleaning and maintenance operations mentioned in this

instruction manual are carried out, switch off the machine and disconnect the power plug from the outlet.

- ▶ Pull the plug out of the outlet by pulling on the plug. Do not pull on the cable.

## SAFE THESE INSTRUCTIONS

### Safety Signs on the Machine

Sign	Purpose		
<table border="1"><tr><td><b>CAUTION</b> MOVING PARTS TO REDUCE RISK OF INJURY, SWITCH OFF BEFORE SERVICING CLOSE DOOR BEFORE OPERATING MACHINE</td><td><b>AVERTISSEMENT</b> PIÈCES EN ROTATION! POUR RÉDUIRE LES RISQUES DE BLESSURES COUPER LE COURANT AVANT TOUTE OPÉRATION D'ENTRETIEN FERMER LE VOLET AVANT DE METTRE EN MARCHÉ LA MACHINE À COUDRE</td></tr></table>	<b>CAUTION</b> MOVING PARTS TO REDUCE RISK OF INJURY, SWITCH OFF BEFORE SERVICING CLOSE DOOR BEFORE OPERATING MACHINE	<b>AVERTISSEMENT</b> PIÈCES EN ROTATION! POUR RÉDUIRE LES RISQUES DE BLESSURES COUPER LE COURANT AVANT TOUTE OPÉRATION D'ENTRETIEN FERMER LE VOLET AVANT DE METTRE EN MARCHÉ LA MACHINE À COUDRE	<p>Attention: Close the doors, lids and covers before operating the machine.</p> <p>Caution; moving parts. To reduce the risk of injury, switch off the machine before maintenance work. Attach the covers.</p>
<b>CAUTION</b> MOVING PARTS TO REDUCE RISK OF INJURY, SWITCH OFF BEFORE SERVICING CLOSE DOOR BEFORE OPERATING MACHINE	<b>AVERTISSEMENT</b> PIÈCES EN ROTATION! POUR RÉDUIRE LES RISQUES DE BLESSURES COUPER LE COURANT AVANT TOUTE OPÉRATION D'ENTRETIEN FERMER LE VOLET AVANT DE METTRE EN MARCHÉ LA MACHINE À COUDRE		

---

### Availability of the Instruction Manual

The short manual is part of the machine.



- Keep the short manual of the machine in a suitable place near the machine and have it ready for reference.
- The latest version of the detailed instruction manual can be downloaded at [www.bernina.com](http://www.bernina.com).
- When passing on the machine to a third party, enclose the short manual of the machine.

---

### Proper Use

Your BERNINA machine is conceived and designed for private household use. It is intended for sewing fabrics and other materials as described in this instruction manual. Any other use is not considered proper. BERNINA assumes no liability for consequences resulting from improper use.

---

### Equipment and Scope of Delivery

Example images are used in these instructions for the purposes of illustration. The machines shown in the images and the accessories shown therefore do not always match the actual items included with your machine. The supplied accessory can

vary depending on the country of delivery. You can acquire any accessories mentioned or shown that are not included in the scope of delivery as optional accessories from a specialist BERNINA dealer. Further accessories can be found at [www.bernina.com](http://www.bernina.com). For technical reasons and in order to improve the product, changes may be made to the equipment of the machine and the scope of delivery at any time and without prior notice.

---

### Servicing of Double-insulated Products

In a double-insulated product two systems of insulation are provided instead of grounding. No grounding means is provided on a double-insulated product nor should a means for grounded be added to the product. Servicing a double-insulated product requires extreme care and knowledge of the system and should only be done by qualified service personnel. Replacement parts for a double-insulated product must be identical to the original parts in the product. A double insulated product is marked with the words: *Double-Insulation* or *double-insulated*.



The symbol may also be marked on the product.

---

### Environmental Protection

BERNINA International AG is committed to environmental protection. We strive to minimize the environmental impact of our products by continuously improving product design and our manufacturing technology.



The machine is labeled with the symbol of the crossed-out wastebin. This means that the machine should not be disposed of in household waste when it is no longer needed. Improper disposal can result in dangerous substances getting into the groundwater and thus into our food chain, damaging our health.

The machine must be returned free of charge to a nearby collection point for electrical waste and electronic equipment or to a collection point for the reuse of the machine. Information on collection points can be obtained from your local administration. When purchasing a new machine, the dealer is obliged to take back the old machine free of charge and dispose of it properly.

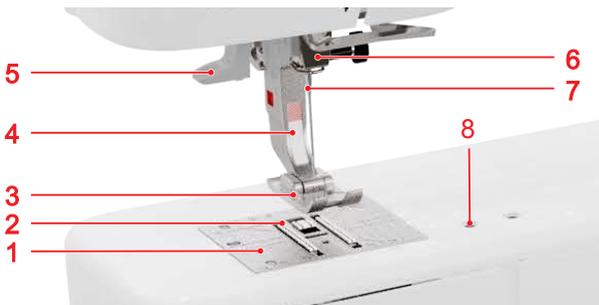
If the machine contains personal data, you are responsible for deleting the data yourself before returning the machine.

**Front**



**1** Bobbin Cover **2** Thread Cutter **3** Thread Take-up Lever **4** Thread Guide, Winder **5** Thread Tensions Discs **6** Spool Holder Vertical **7** Bobbin Winding Unit with Thread Cutter **8** USB Port **9** Feed Dog Up/Down **10** Knee Lifter Connection (B 335 only)

**Needle Area**



**1** Stitch Plate  
**2** Feed Dog  
**3** Presser Foot Sole  
**4** Presser Foot Shaft  
**5** Needle Threader  
**6** Needle Holder  
**7** Needle  
**8** Accessories Connector

**Back**



- 1** Connection for Foot Control   **2** Power Switch   **3** Air Vents   **4** Handwheel  
**5** Spool Pin, Horizontal   **6** Thread Guide Eye   **7** Thread Guide, Rear   **8** Carry Handle  
**9** Presser Foot Lifter   **10** Power Cable Connection

**Controls**



- 1** Quick Reverse Sewing
- 2** Securing Stitches
- 3** Start/Stop
- 4** Speed Control
- 5** Pattern End
- 6** Needle position Up/Down
- 7** Upper Thread Tension
- 8** Presser Foot Pressure
- 9** Screen
- 10** Home Screen
- 11** Quick Help
- 12** Reset
- 13** Stitch Width
- 14** Needle Position Left/Right
- 15** Stitch Length

---

## Included Presser Feet (B 325)



Reverse Pattern Sole #1

[bernina.com/foot-1-sole](http://bernina.com/foot-1-sole)



Overlock Sole #2

[bernina.com/foot-2-snap-on](http://bernina.com/foot-2-snap-on)



Buttonhole Sole #3

[bernina.com/foot-3-snap-on](http://bernina.com/foot-3-snap-on)



Zipper Sole #4

[bernina.com/foot-4-snap-on](http://bernina.com/foot-4-snap-on)



Blindstitch Sole #5

[bernina.com/foot-5-snap-on](http://bernina.com/foot-5-snap-on)

---

## Included Presser Feet (B 335)



Reverse Pattern Sole #1

[bernina.com/foot-1-sole](http://bernina.com/foot-1-sole)



Overlock Sole #2

[bernina.com/foot-2-snap-on](http://bernina.com/foot-2-snap-on)



Buttonhole Foot with  
Slide #3A

[bernina.com/foot-3A](http://bernina.com/foot-3A)



Zipper Sole #4

[bernina.com/foot-4-snap-on](http://bernina.com/foot-4-snap-on)



Blindstitch Sole #5

[bernina.com/foot-5-snap-on](http://bernina.com/foot-5-snap-on)



Open Embroidery Sole #20

[bernina.com/foot-20-snap-on](http://bernina.com/foot-20-snap-on)

---

**Included Accessories**



Dust Cover

---



Accessory Bag

---



Snap-On Shank #78

[bernina.com/snap-on-shank-78](http://bernina.com/snap-on-shank-78)



Power Cable

---



Foot Control

---



Slide-on Table

[bernina.com/free-arm-slide-on-table](http://bernina.com/free-arm-slide-on-table)



Spool Cap D12

---



Spool Cap D27

---



Spool Cap D43

---



Foam Pad

---



Bobbin for CB Hook

[bernina.com/CB-hook-bobbin-cases](http://bernina.com/CB-hook-bobbin-cases)



Height Compensation Tool

---



Seam Ripper

---



Needle Assortment

[bernina.com/needle-assortment](http://bernina.com/needle-assortment)



Brush

[bernina.com/brush-L850-890](http://bernina.com/brush-L850-890)



Sewing Machine Oil

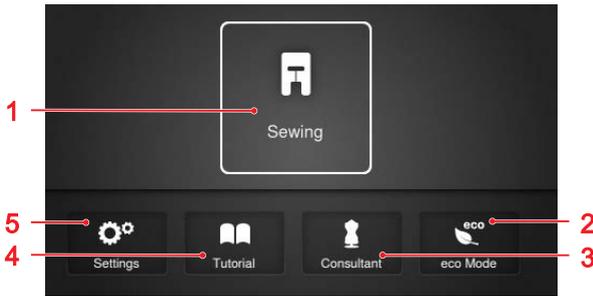
[bernina.com/sewing-machine-oil](http://bernina.com/sewing-machine-oil)



Sewing Thread Set

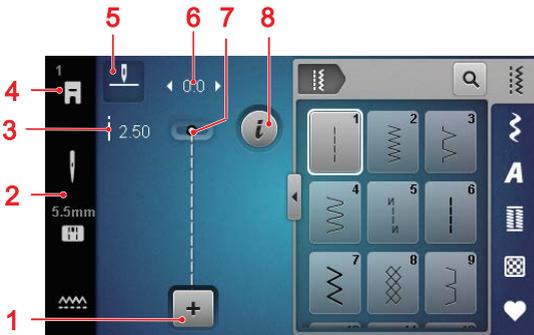
---

### Home Screen



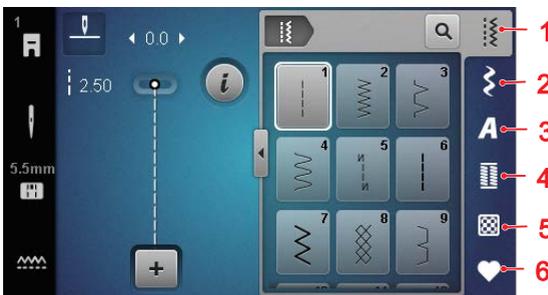
- 1 Sewing
- 2 eco Mode
- 3 Consultant
- 4 Tutorial
- 5 Settings

### Sewing Screen



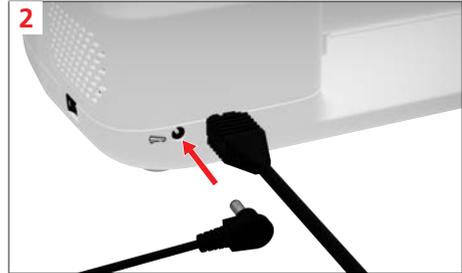
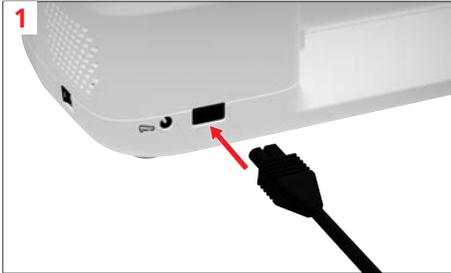
- 1 Combi Mode
- 2 Stitch Plate and Sewing Needle
- 3 Stitch Length
- 4 Presser Foot
- 5 Needle Stop
- 6 Stitch Width
- 7 Needle Position
- 8 Edit

### Stitch Selection

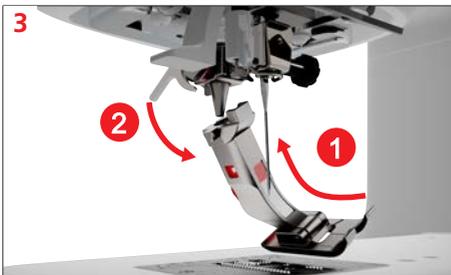
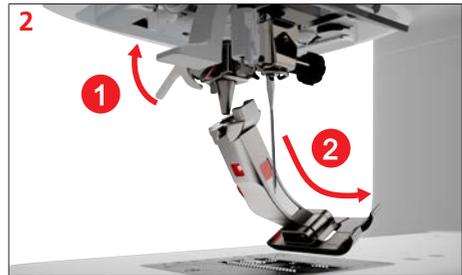


- 1 Practical Stitches
- 2 Decorative Stitches
- 3 Alphabets
- 4 Buttonholes
- 5 Quilt Stitches
- 6 Personal Folder

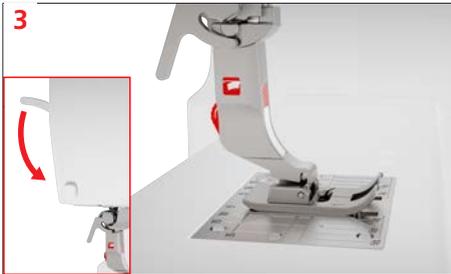
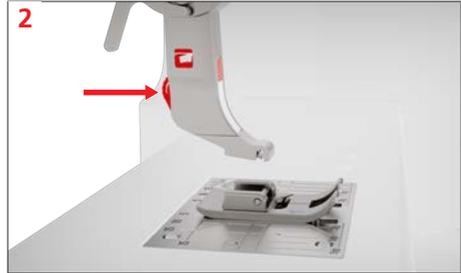
### Connecting the Machine and Foot Control



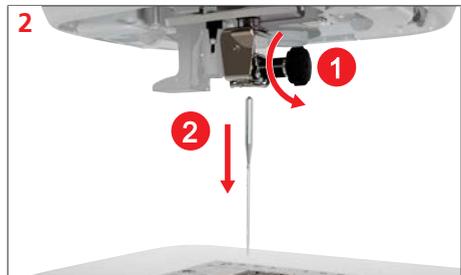
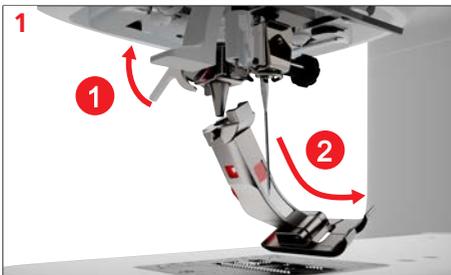
### Changing the Presser Foot



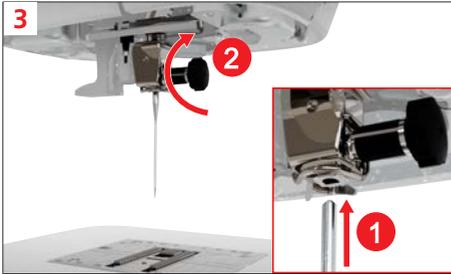
## Changing the Presser Foot



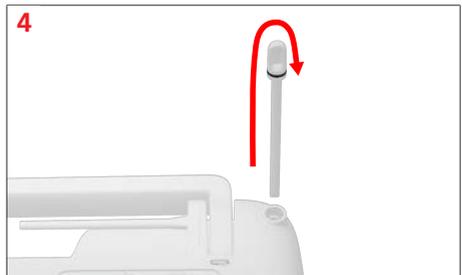
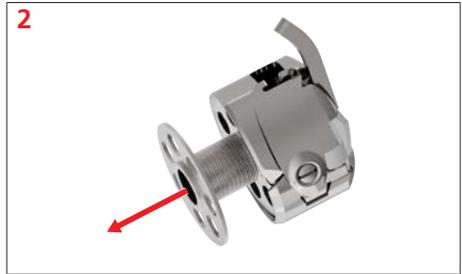
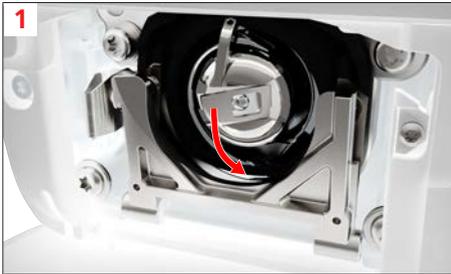
## Changing the Needle



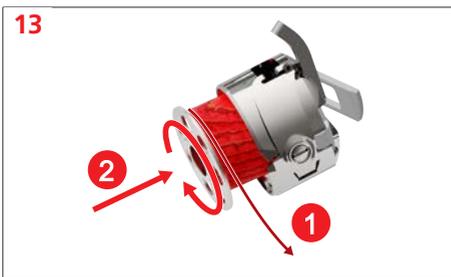
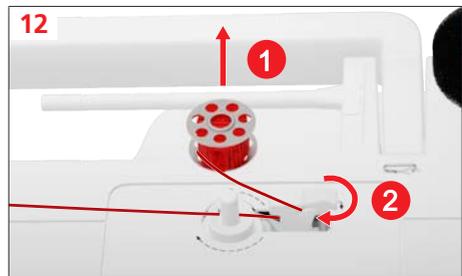
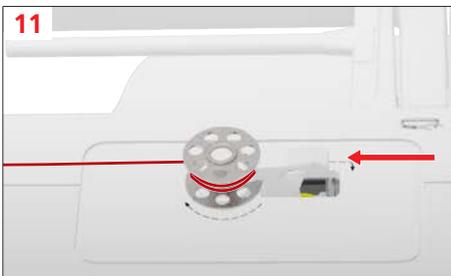
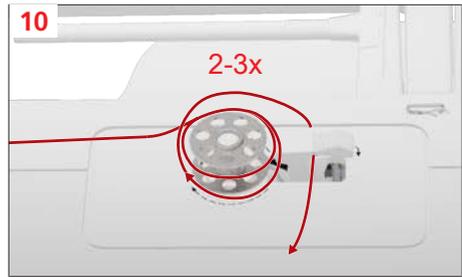
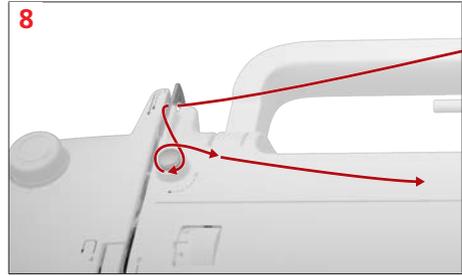
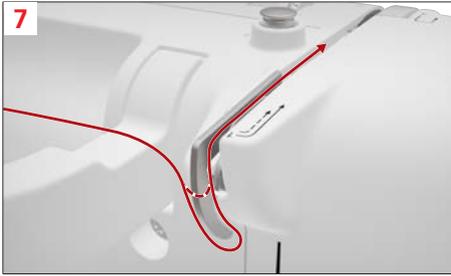
## 4 Preparing the Machine



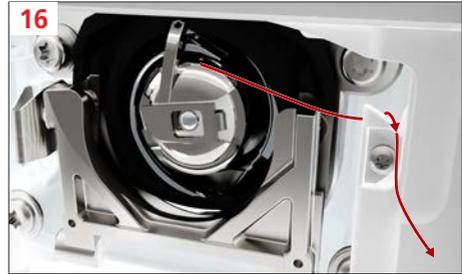
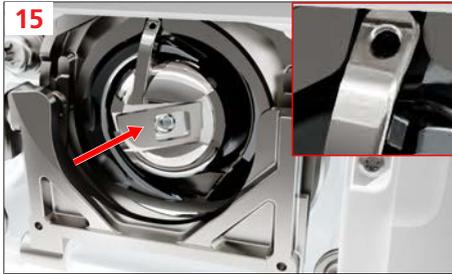
### Winding the Bobbin Thread and Threading



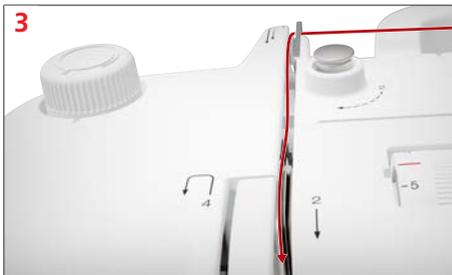
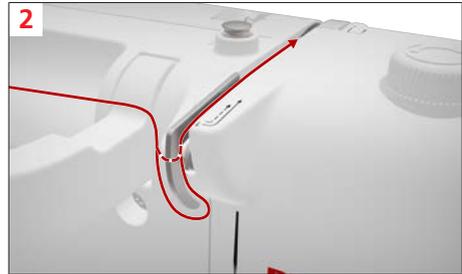
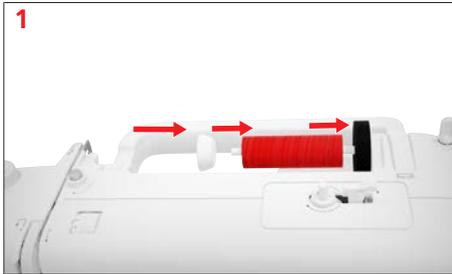
## 4 Preparing the Machine



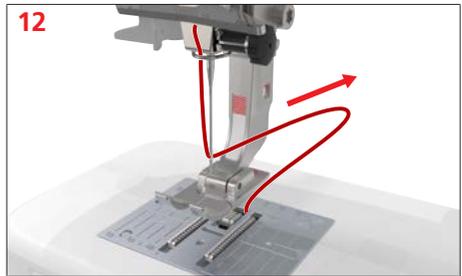
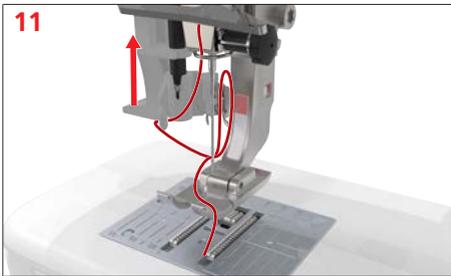
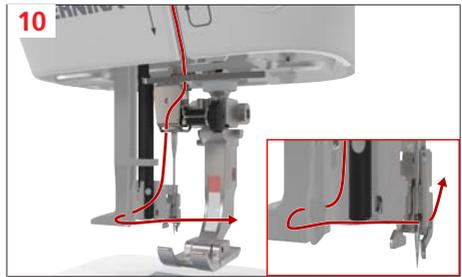
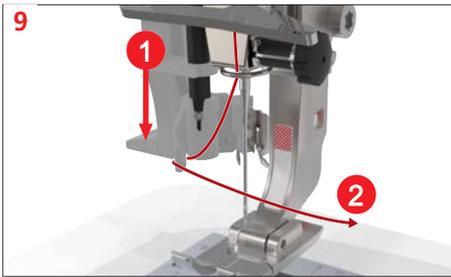
## 4 Preparing the Machine



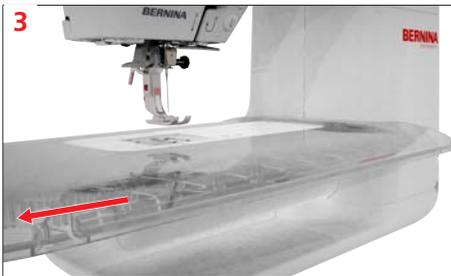
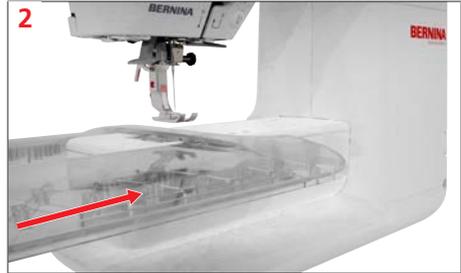
### Threading the Upper Thread



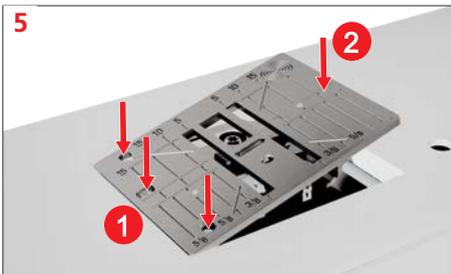
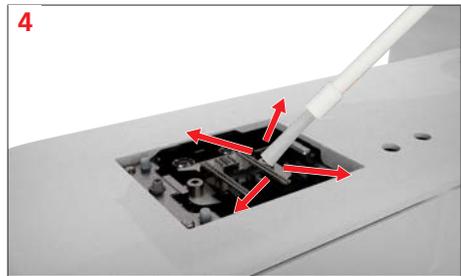
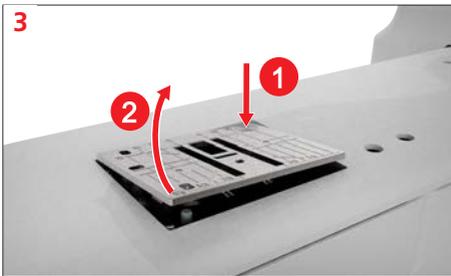
## 4 Preparing the Machine



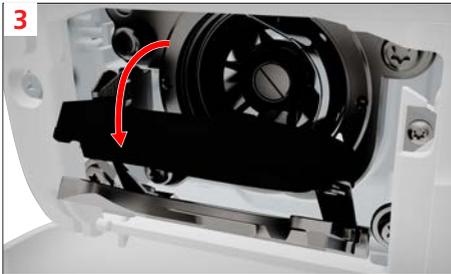
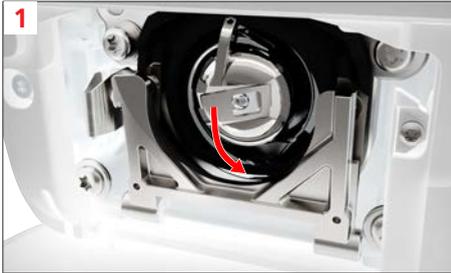
### Attaching/Removing Slide-On Table



## Cleaning the Feed Dog



## Cleaning and Lubricating the Hook



**Technical Data**

<b>Term</b>	<b>Value</b>	<b>Unit</b>
Maximum Speed	900	Stitches per Minute
Needle System	130/705	
Measurements without the Spool Pin (W × D × H)	385 × 323 × 177 (15.2 × 12.7 × 7.0)	mm (inch)
Weight of the Machine	8.0 (17.6)	kg (lb)
Energy Consumption	100	W
Input Voltage	100 – 240 50/60	V Hz
Protection Class (Electrical Engineering)	II	

**Screen Not Responding**

.The screen is locked.	Unlock the screen.
Screen is defective or not connected correctly.	Contact your BERNINA dealer.
Wrong touchscreen pen.	Use other touchscreen pen or finger.

**Error during Firmware Update**

USB stick is not recognised.	Use a BERNINA USB stick.
The update process is blocked and the animation on the screen is inactive.	Remove the USB stick. Switch the machine off. Switch the machine on. Follow the instruction on the screen. Contact your BERNINA dealer.
Firmware update files are not found.	Unpack the compressed ZIP file according to the update instructions. Store data for the firmware update directly on the data medium and not in a folder on the USB stick.

**Skipped Stitches**

Incorrect needle.	Use the needle system 130/705H.
Needle blunt or bent.	Replace the needle.
Poor quality needle.	Use a new BERNINA quality needle.
The needle is incorrectly inserted.	Insert the needle with the flat side to the back as far up as it will go into the needle holder and tighten the screw.
Incorrect needle point.	Match the needle point to the texture of the material.
Incorrect needle/thread combination.	Use a needle with a suitable needle size.

### Speed Too Low

Room temperature is too warm or too cold.	Place the machine in a warm room one hour before use.
Reduced maximum speed.	Move the speed control to the right. Modify the maximum sewing speed in the Settings.

### The Machine doesn't start

The machine is not connected to the power supply.	Insert the mains plug into the socket and into the machine. Check the socket for power.
Room temperature is too warm or too cold.	Place the machine in a warm room one hour before use. Connect the machine and switch it on.
The machine is damaged.	Contact your BERNINA dealer.

### Needle Breaks

The needle is incorrectly inserted.	Insert the needle with the flat side to the back as far up as it will go into the needle holder and tighten the screw.
Fabric was pulled.	Feed the fabric evenly.
Thick fabric has been pushed.	Use a suitable presser foot for thick fabric, e.g. Jeans Foot #8. Use the height compensation tool when sewing over a thick seam.
Knotted thread.	Use quality thread.

### Sewing Light Does Not Light Up

The sewing light is not switched on.	Switch on the sewing light in the Settings.
--------------------------------------	---

**Sewing Light Does Not Light Up**

The sewing light is defect. Contact your BERNINA dealer.

**Faulty Stitching**

Thread remnants between the thread tension discs. Fold a piece of thin fabric (don't use outer edges) and pull it through the thread tension discs several times.

Incorrectly threaded. Rethread the upper and lower thread.

**Upper thread is not threaded**

The needle is incorrectly inserted. Insert the needle with the flat side to the back as far up as it will go into the needle holder and tighten the screw.

Threader head is defective. Contact your BERNINA dealer.

**Upper Thread Breaks**

Incorrect needle/thread combination. Match the needle with the thread size.

Upper thread is too tight. Reduce the upper thread tension.

Incorrectly threaded. Rethread the upper thread.

Poor quality thread. Use quality thread.

The stitch plate or the hook tip is damaged. Contact your BERNINA dealer to have the damages repaired. Replace the stitch plate.

**Buttonholes are repeatedly not sewn properly**

The Buttonhole Foot with Slide #3A is not calibrated with the machine. Calibrate Buttonhole Foot with Slide #3A.

### Buttonholes are repeatedly not sewn properly

Lens on the presser foot is dirty.	Clean the lens with a soft, slightly damp cloth.
------------------------------------	--

### Stitch Width Not Adjustable

The selected needle and stitch plate cannot be used in combination.	Replace the needle. Replace the stitch plate.
---	--

### Uneven Stitch Formation

Upper thread too tight or too loose.	Adjust the upper thread tension. Check the thread feed from the thread spool.
--------------------------------------	--

Needle blunt or bent.	Replace the needle, make sure that a new BERNINA quality needle is used.
-----------------------	--

Poor quality needle.	Use a new BERNINA quality needle.
----------------------	-----------------------------------

Poor quality thread.	Use quality thread.
----------------------	---------------------

Incorrect needle/thread combination.	Match the needle with the thread size.
--------------------------------------	--

Incorrectly threaded.	Rethread the upper thread. Rehthread the bobbin thread.
-----------------------	--

Fabric was pulled.	Feed the fabric evenly.
--------------------	-------------------------

Incorrect bobbin case is used.	Use supplied bobbin case.
--------------------------------	---------------------------

Lower thread too tight or too loose.	Contact your BERNINA dealer.
--------------------------------------	------------------------------

### Lower Thread Breaks

The bobbin case is damaged.	Replace the bobbin case.
-----------------------------	--------------------------

The stitch hole in the stitch plate is damaged.	Contact your BERNINA dealer to have the damages repaired. Replace the stitch plate.
---	--

Needle blunt or bent.	Replace the needle.
-----------------------	---------------------

### USB stick is not detected

USB stick is incompatible.

Use a BERNINA USB stick or compatible USB stick.

---

USB stick not with correct file system.

Use a USB stick with the FAT32 file system.

---



# #A BIG DAY



# BERNINA

*made to create*

BERNINA recommends threads from

*Mettler*<sup>®</sup>