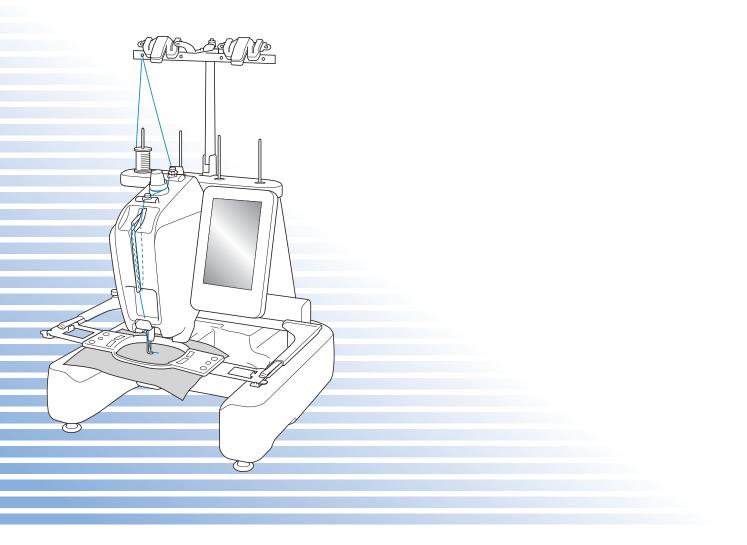
brother

Operation Manual

Embroidery Machine Product Code:882-T51



Be sure to read this document before using the machine. We recommend that you keep this document nearby for future reference.

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Introduction

Thank you for purchasing this embroidery machine. Before using this machine, carefully read the "IMPORTANT SAFETY INSTRUCTIONS", and then study this manual for the correct operation of the various functions.

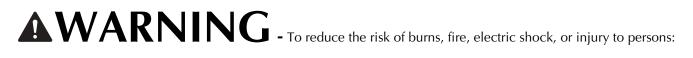
In addition, after you have finished reading this manual, store it where it can quickly be accessed for future reference.

IMPORTANT SAFETY INSTRUCTIONS

Please read these safety instructions before attempting to use the machine.



1 Always unplug the machine from the electrical outlet immediately after using, when cleaning, when making any user servicing adjustments mentioned in this manual, or if you are leaving the machine unattended.



2 Always unplug the machine from the electrical outlet when lubricating it or when making any other user servicing adjustments mentioned in the operation manual.

- To unplug the machine, switch the machine to the symbol "O" position to turn it off, then grasp the plug and pull it out of the electrical outlet. Do not pull on the cord.
- Plug the machine directly into the electrical outlet. Do not use an extension cord.
- Always unplug your machine if the power is cut.

3 Electrical Hazards:

- This machine should be connected to an AC power source within the range indicated on the rating label. Do not connect it to a DC power source or inverter. If you are not sure what kind of power source you have, contact a qualified electrician.
- This machine is approved for use in the country of purchase only.

4 Never operate this machine if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or water is spilled on the unit. Return the machine to the nearest authorized Brother dealer or service center for examination, repair, electrical or mechanical adjustment.

- To avoid electric shock or fire; do not use a damaged power supply plug or loose electrical outlet, and ensure that the power supply plug is fully inserted and secure.
- While the machine is stored or in use if you notice anything unusual, such as an odor, heat, discoloration or deformation, stop using the machine immediately and unplug the power cord.
- When transporting the machine, be sure to lift it from the bottom positions. Lifting the machine by any other part may damage the machine or result in the machine falling, which could cause injuries.
- When lifting the machine, be careful not to make any sudden or careless movements, otherwise you may injure your back or knees.
- While the machine is being transported, be careful not to touch the operation panel, thread guides or any other part, otherwise injuries may result.

5 Always keep your work area clear:

- Never operate the machine with any air openings blocked. Keep ventilation openings of the machine free from the build up of lint, dust, and loose cloth.
- Do not use extension cords. Plug the machine directly into the electrical outlet.
- Never drop or insert any object into any opening.
- Keep fingers out of all machine openings, such as near the carriage, otherwise injuries may result.
- Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
- Do not use the machine near a heat source, such as a stove or iron; otherwise, the machine, power cord or garment being embroidered may ignite, resulting in fire or an electric shock.
- Do not use this machine near an open flame; the movement of the embroidery frame could cause the garment being embroidered to catch fire.
- Do not place this machine on an unstable surface, such as an unsteady or slanted table, otherwise the machine may fall, resulting in injuries.

6 Special care is required when embroidering:

- Always pay close attention to the needle. Do not use bent or damaged needles.
- Keep fingers away from all moving parts. Special care is required around the machine needle.
- While the machine is in operation, keep your hands away from all the moving parts, otherwise injuries may result.
- Switch the machine to the symbol "O" position to turn it off when making any adjustments in the needle area, such as changing the needle.
- Do not use a damaged or incorrect needle plate, as it could cause the needle to break.

7 This machine is not a toy:

- Your close attention is necessary when the machine is used by or near children.
- This machine is not intended for use by young children or infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with this machine.
- Do not use the included scissors or seam ripper in any other way than how they are intended. In addition, when opening a hole with the seam ripper, do not place your hands or fingers in the cutting path, otherwise injuries may result if the seam ripper slips.
- The plastic bag that this machine was supplied in should be kept out of the reach of children or disposed of. Never allow children to play with the bag due to the danger of suffocation.
- Do not use outdoors.

8 For a longer service life:

- When storing this machine, avoid direct sunlight and high humidity locations. Do not use or store the machine near a space heater, iron, halogen lamp, or other hot objects.
- Use only neutral soaps or detergents to clean the case. Benzene, thinner, and scouring powders can damage the case and machine, and should never be used.
- Always consult the operation manual when replacing or installing any assemblies, needle, or other parts to assure correct installation.

9 For repair or adjustment:

- Do not try to disassemble, repair or alter this machine in any way, otherwise a fire, electric shock or injuries may result.
- If the light unit is damaged, it must be replaced by an authorized Brother dealer.
- In the event a malfunction occurs or adjustment is required, first follow the troubleshooting table in the back of the operation manual to inspect and adjust the machine yourself. If the problem persists, please consult your local authorized Brother dealer.

Use this machine only for its intended use as described in the manual.

Use accessories recommended by the manufacturer as contained in this manual.

Use only the interface cable (USB cable) included with this machine.

The contents of this manual and specifications of this product are subject to change without notice. For additional product information and updates, visit our website at www.brother.com

SAVE THESE INSTRUCTIONS

This machine is intended for household use.

FOR USERS IN COUNTRIES EXCEPT EUROPEAN COUNTRIES

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

FOR USERS IN EUROPEAN COUNTRIES

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 shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

FOR USERS IN THE UK, EIRE, MALTA AND CYPRUS ONLY

IMPORTANT

- In the event of replacing the plug fuse, use a fuse approved by ASTA to BS 1362, i.e. carrying the 🔊 mark, rating as marked on plug.
- Always replace the fuse cover. Never use plugs with the fuse cover omitted.
- If the available electrical outlet is not suitable for the plug supplied with this equipment, you should contact your authorized Brother dealer to obtain the correct lead.

Warning Labels

The following warning labels are on the machine. Be sure to observe the precautions described in the labels.

1

		AVORSICHT	ATTENTION	A PRECAUCIÓN	
R	Carriage may cause injury. Do not put hands in carriage traveling path.	Um Verletzungen mit dem Stickarm zu vermeiden, nicht die Hände in die Nähe des Stickarms halten.	Le chariot peut provoquer des blessures. Ne pas mettre les mains dans le chemin du chariot.	provocar lesiones. No poner las manos por donde	O carro de transporte pode causar ferimentos. Não coloque as mãos sobre o trilho do carro de transporte.

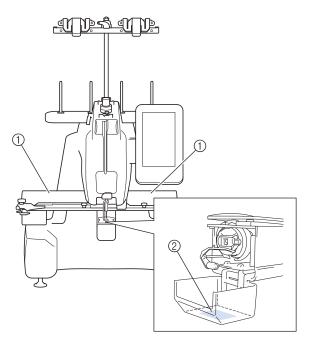


	ATTENZIONE	▲ОСТОРОЖНО!	▲注意	▲注意
De borduurarm kan verwondingen veroorzaken. Houdt uw handen buiten bereik van de borduurarm.	Il carrello potrebbe ferirvi. Non appoggiate la mano nel percorso del carrello.	каретка может быть причиной травмы		或绣花框移动时,

2

Please put a drop of oil onto the hook once a day before use.

Label locations



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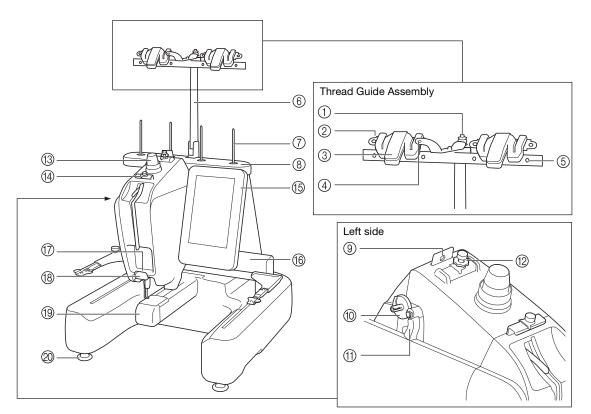
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Names of Machine Parts and Their Functions

The names of the various parts of the machine and their functions are described below. Before using the machine, carefully read these descriptions to learn the names of the machine parts.

Front view



(1) Bobbin pretension disc

- Pass the thread around the pretension disk when winding the bobbin thread.
- ② Thread guide hole Pass the thread through thread guide hole from front side to back when winding the bobbin thread.
- 3 Thread cutter/holder Cut the thread here when changing the upper thread. Also, you can hold the thread here when not using.
- ④ Front hole in the thread guide Pull the thread toward you placing the thread through the guide hole from top to bottom.
- (5) Thread guide hole Place the thread from back to front through the hole when winding the bobbin or threading the machine.
- (6) Thread guide assembly support
- (7) Spool pin
- (8) Spool stand
- (9) Thread guide
- Pass the thread through when threading the machine. 10 Bobbin winder seat
 - Set the bobbin when bobbin winding.

- (1) Bobbin winding switch
- Set to the left to start bobbin winding. (12) Upper thread guide pretension knob
- Adjust the tension of the thread. (13) Thread tension knob
- Adjust the tension of the thread.
- () Upper thread guide
- Pass the thread through when threading the machine.
- (5) Operation panel
- (6) Carriage
 - Attach the embroidery frame holder to the carriage. When the machine is turned on or when the machine is embroidering, the carriage moves forward, backward, left and right.
- 1 Lower thread guide Pass the thread through when threading the machine.
- Thread cutter 18
- Cuts and holds the thread for needle threading. (19)
 - Hook cover/Hook
 - Open the hook cover, and then insert the bobbin case into the hook.

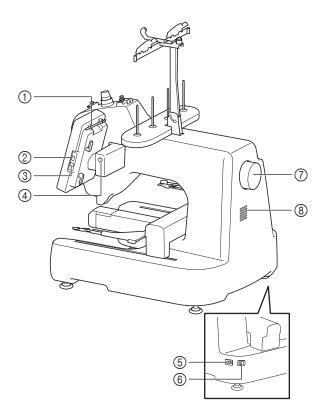
Feet 20

Use the feet to level and adjust the height of the machine.

Note

· Circled numbers on the "Thread Guide Assembly" indicate the thread path for winding the bobbin.

Right-side/rear view



① Touch pen holder

Use the touch pen holder to hold the touch pen when not in use.

② USB port (USB 2.0)

In order to send patterns from/to USB media, plug the USB media directly into the USB port.

③ USB port for computer

In order to import/export patterns between a computer and the machine, plug the USB cable into the USB port.

④ Panel angle button

Press to change the angle of the operation panel. Do not change the angle without pressing this button.

5 Power supply plug

Insert the plug on the power supply cord into the power supply plug.

6 Main power switch

Use the main power switch to turn the machine ON (I) and OFF (O). Do not turn the power on soon after you turn the power off. It is recommended that you wait 5 seconds before turning the power on again.

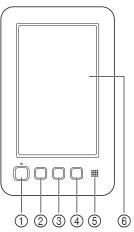
(7) Handwheel

Rotate the handwheel to move the needle up and down. Be sure to rotate the handwheel toward the operation panel (counterclockwise).

⑧ Air vent

The air vent allows the air surrounding the motor to circulate. Do not cover the air vent while the embroidery machine is being used.

Operation panel



① "Start/Stop" button

Press the "Start/Stop" button to start or stop the machine. The lighting status and color of the button changes depending on the operation condition of the machine.

Lit in red	:	When the machine cannot start embroidering
Flashing in green	:	When the machine can start embroidering
Lit in green	:	While the machine is embroidering
Off	:	When the machine is turned off

② Needle position button

Press the needle position button to raise or lower the needle position. Pressing the button twice embroiders one stitch.

- ③ Thread trimming button Press the thread trimming button to trim both the upper and the bobbin threads.
- ④ "Automatic Threading" button Press the automatic needle threading button to thread the needle.
- 5 Speaker
- 6 LCD (touch panel)

Touch the keys that appear on the touch panel to select and edit patterns and confirm various information.

Accessories

The accessories listed below are included with this machine. Make sure to use the accessories designed for this machine.

Included accessories

After opening the box, check that the following accessories are included. If any item is missing or damaged, contact your authorized Brother dealer.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
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11.	12.	13.	14.	15.	16.	17.	18.	19.	20.
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21.	22.	23.	24.	25.	26.	27.	28.	29.	30.
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31.	32.	33.	34.	35.	36.	37.	20. Q	0	

No.	Part Name	Part Code
1	Accessory case	XC6482-051
2	Needle set	XC6469-001
3	Prewound bobbin × 5	XC6368-051
4	Metal bobbin × 3	100376-053
5	Spool net × 4	S34455-000
6	Seam ripper	XF4967-001
7	Scissors	XF2052-001
8	Tweezers	XC6542-051
9	Touch pen	XA9940-051
10	Needle changing tool (Threader)	XF2212-001
11	Needle plate spacer	XC6499-151
12	Phillips screwdriver	XC6543-051
13	Standard screwdriver	X55468-051
14	Allen screwdriver	XC5159-051
15	Offset screwdriver	XC6545-051
16	Disc-shaped screwdriver	XC1074-051
17	Screwdriver (large)	XC4237-021
18	Wrench 13 × 10	XC6159-051
19	Oiler	XZ0206-051
20	Cleaning brush	X59476-051
21	Weight (L)	XC5974-151
22	Weight (S)	XC6631-051
23	USB cable	XD1851-051
24	Embroidery frame (extra large) 200 mm (H) × 200 mm (W)	VRTF200: XG3182-001 (Other area)
25	Embroidery frame (medium) 100 mm (H) × 100 mm (W)	PRH100: XC6286- 052 (Other area)

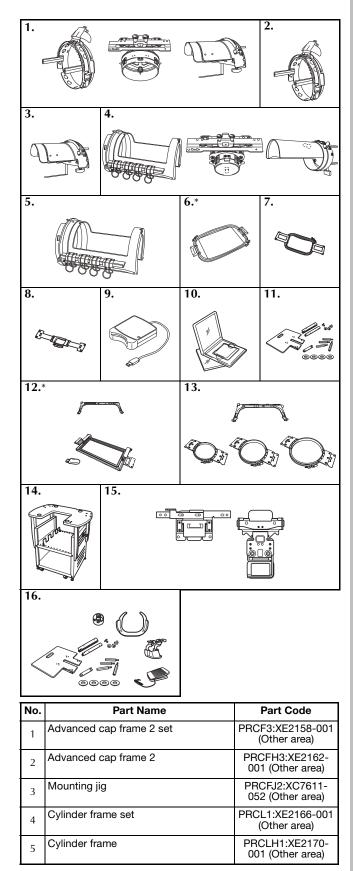
No.	Part Name	Part Code
26	Compact frame (70) 41 mm (H) × 70 mm (W)	VRSF70: XG3203- 001 (Other area)
27	Compact frame (50) 50 mm (H) × 50 mm (W)	VRSF50: XG3189- 001 (Other area)
28	Compact frame (44) 38 mm (H) × 44 mm (W)	VRSF44: XG3186- 001 (Other area)
29	Compact frame (Portrait orientation) 33 mm (H) × 75 mm (W)	VRSFV: XG3191-001 (Other area)
30	Embroidery sheet (extra large) 200 mm (H) × 200 mm (W)	XE7171-001
31	Embroidery sheet (medium) 100 mm (H) × 100 mm (W)	XC5759-051
32	Operation manual	This manual
33	Embroidery design guide	XG1506-001
34	Spool mat × 4	XC7134-051
35	Spool cap × 4	130012-054
36	Embroidery frame holder a	XG1546-001
37	Embroidery frame holder e	XG2408-001

Memo

• The included touch pen can be stored in the touch pen holder on the back of the operation panel. Refer to page 7.

Optional accessories

The following are available as optional accessories to be purchased separately from your authorized Brother dealer.



No.	Part Name	Part Code
6	Flat frame 200 mm (H) × 200 mm (W)	VRFF200: XG3184- 001 (Other area)
7	Embroidery frame (large) 130 mm (H) × 180 mm (W)	PRH180: XC6285-052 (Other area)
8	Embroidery frame (small) 40 mm (H) × 60 mm (W)	PRH60: XC6287-052 (Other area)
9	Embroidery card reader	SAECR1
10	Embroidery card	-
11	Wide table	VRWT1: XG3193- 001 (Other area)
12	Border frame set 100 mm (H) × 180 mm (W) Embroidery frame holder b	VRBF180: XG3205- 001 (Other area)
13	Round frame set (Ø160 mm) (Ø130 mm) (Ø100 mm) Embroidery frame holder c	VRRFK1: XG3197- 001 (Other area)
14	Embroidery stand	VRPRNSTD: XG3199-001 (Other area)
15	Clamp frame	VRCLP45B: XG3195-001 (Other area)
16	Free motion kit	VRFMKIT1:XG3201- 001(Other area)

* We recommend using the optional embroidery table when using the flat frame or border embroidery frame.

Vie Note

- Embroidery cards sold overseas are not compatible with this embroidery machine.
- Visit your nearest authorized Brother dealer for a complete listing of optional accessories and embroidery cards available for your machine.

Memo

- Always use accessories recommended for this machine.
- All specifications are correct at the time of printing. Please be aware that some specifications may change without notice.

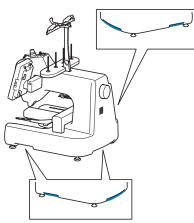
Setting Up the Machine

The procedures for setting up the machine are described below. If the machine is not set up correctly, it may shake or produce loud noises and the embroidery will not be sewn correctly. An optional embroidery stand is also available.

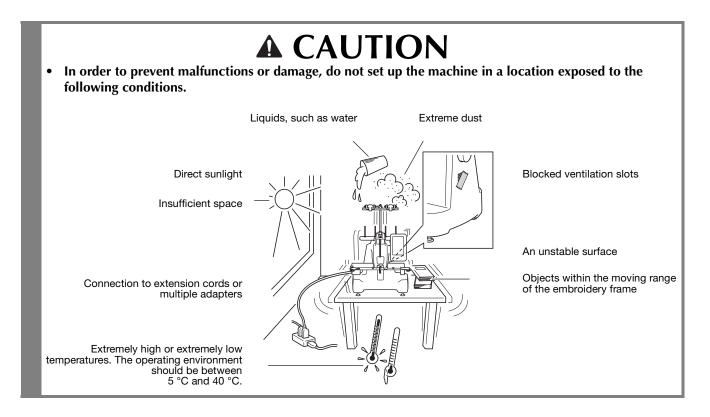
Setup and transporting precautions

A CAUTION

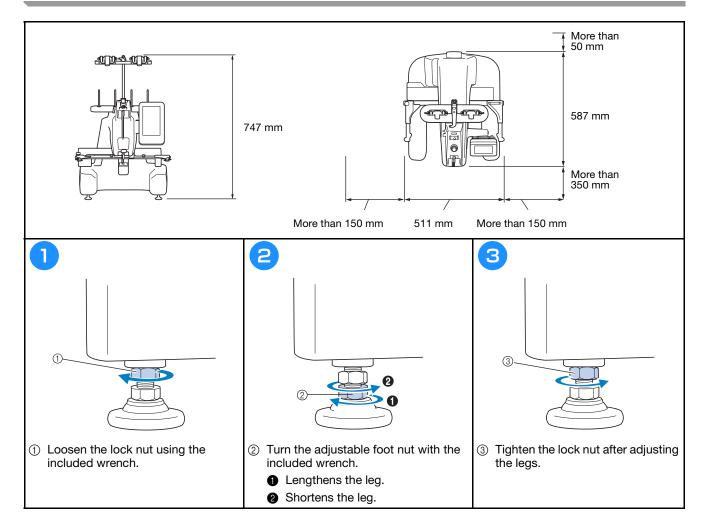
- The temperature of the operating environment should be between 5 °C and 40 °C. If the machine is operated in an environment that is either too cold or too hot, the machine may malfunction.
- Do not use the machine in a location where it will be exposed to direct sunlight, otherwise the machine may malfunction.
- Set up the machine with it's four adjustable feet completely in contact with the desk or table, so that the machine is level.
- The machine weight is approximately 31 kg. The transporting or setting up of the embroidery machine should be performed by two people.
- When transporting the machine, be sure to lift it from the bottom at the indicated positions by two people. Lifting the machine from any other area may damage the machine or result in the machine falling, which could cause injuries.



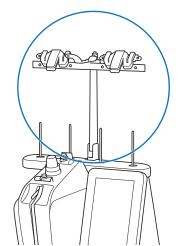
- When lightning occurs, turn off the machine and unplug the power supply cord. Lightning may cause the machine to malfunction.
- Do not plug in the power supply cord until setup of the machine is completed, otherwise injuries may result if the "Start/Stop" button is accidentally pressed and the machine starts sewing.
- When lubricating the machine, wear protective eyeglasses and gloves to prevent the oil or grease from getting into your eyes or on your skin. Do not put the oil or grease into your mouth. Keep the oil and grease out of the reach of children.

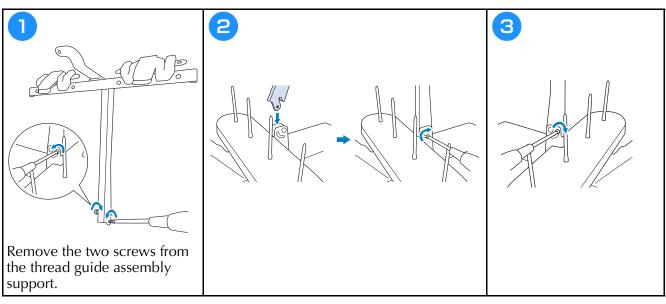


Setting up the machine

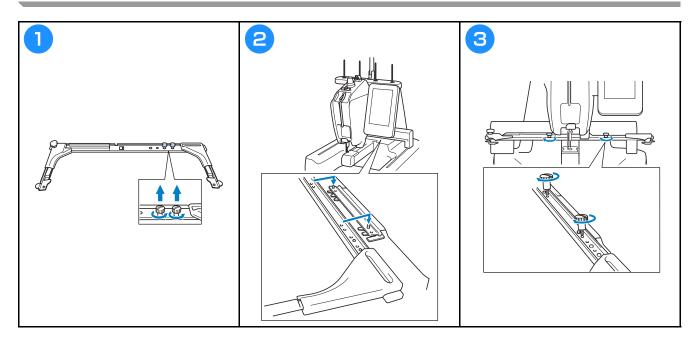


Preparing the thread guide assembly





Attaching the embroidery frame holder



Operating Precautions

The necessary points to ensure the correct operation of this machine are described below.

Power supply precautions

Be sure to observe the following precautions concerning the power supply.

A WARNING

- Use only regular household electricity for the power source. Using other power sources may result in fire, electric shock, or damage to the machine.
- Make sure that the plugs on the power supply cord are firmly inserted into the electrical outlet and the power supply cord receptacle on the machine. Otherwise, a fire or electrical shock may result.
- Do not insert the plug on the power supply cord into an electrical outlet that is in poor condition.
- If any of the following occur, turn off the embroidery machine and unplug the power supply cord, otherwise a fire, an electric shock or damage to the machine may result.
 - When you are away from the machine.
 - After using the machine.
 - If a power outage occurs while the machine is being operated.
 - If the machine is not operating properly, for example, when there is a loose or cut connection.
 - During electrical storms.

A CAUTION

- Use only the power supply cord included with this machine.
- Do not plug this machine in with extension cords or multi-plug adapters with many other appliances plugged into them, otherwise a fire or an electric shock may result.
- Do not plug in or unplug the power supply cord with wet hands, otherwise an electric shock may result.
- When unplugging the power supply cord, be sure to first turn off the machine, and then grasp the plug when unplugging the cord. Pulling on the cord may damage it or result in a fire or an electric shock.
- Do not allow the power supply cord to be cut, damaged, modified, forcefully bent, pulled, twisted, or bundled. In addition, do not place heavy objects on the cord or expose it to heat, otherwise damage to the cord, fire or an electric shock may result. If the power supply cord or its plug is damaged, stop using the machine, and then take the machine to your authorized Brother dealer for repairs before continuing use.
- If the machine is not to be used for a long period of time, unplug the power supply cord, otherwise a fire may result.
- When leaving the machine unattended, either the main switch of the machine should be turned to OFF or the plug must be removed from the socket-outlet.
- When servicing the machine or when removing covers, the machine must be unplugged.

Needle precautions

Be sure to observe the following precautions concerning the correct choice of needle for your machine.

- Your machine is designed to use household embroidery needles. The factory recommended needle is "HAX 130 EBBR" (Organ). Schmetz needles 130/705 H-E may be used as a substitute. Use of any other needles may break the needle or thread or damage the needle-threading mechanism or result in injuries.
- Never use bent needles. Bent needles can easily break, possibly resulting in injuries.

Checking the needle

Embroidering with a bent needle is extremely dangerous since the needle may break while the machine is operating.

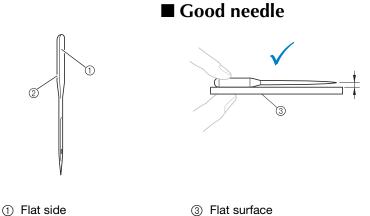
Place the flat side of the needle on a flat surface and check that the distance between the needle and the flat surface is even. If the needle is bent or the tip of the needle is broken, replace the needle with a new one. (Refer to "Changing the needle" on page 30.)

Bad needle

needle.

If the distance between the needle and the flat surface is not even, the needle is bent. Do not use a bent

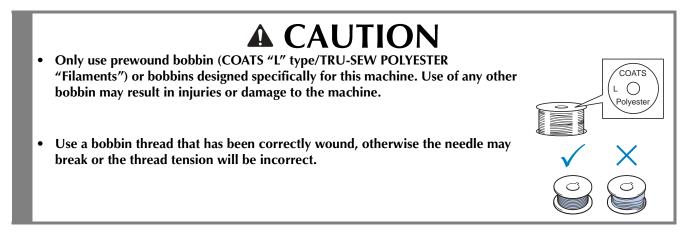
3



2 Needle type marking

Bobbin precautions

Be sure to observe the following precautions concerning the bobbin.



Upper thread recommendations

Be sure to observe the following recommendations concerning the upper thread.

Vie Note

• It is recommended that rayon or polyester embroidery thread be used (120 den × 2 / 135 dtex × 2 / 40 weight (in Americas and Europe) / #50 (in Japan)).

Fabric recommendations

Be sure to observe the following recommendations concerning the fabric.

V Note

- Your machine can embroider fabric that is up to 1 mm thick. If thicker fabric is embroidered, the needle may bend or break.
- When embroidering overlapping stitches, it is difficult for the needle to penetrate the fabric, possibly resulting in the needle bending or breaking.
- Attach stabilizers to thin or stretch fabrics. (Refer to "Attaching Iron-On Stabilizer (Backing) to Fabric" on the detailed operation manual for information.)
- When embroidering large pieces of fabric, make sure that the fabric is not caught in the carriage.

Display recommendations

Be sure to observe the following recommendations concerning the use of the operation panel display.

Note

 Only touch the display with your finger or included touch pen. Do not use a mechanical pencil, screwdriver or any other hard or sharp object. In addition, do not apply extreme pressure to the display screen, otherwise damage to the display screen may result.

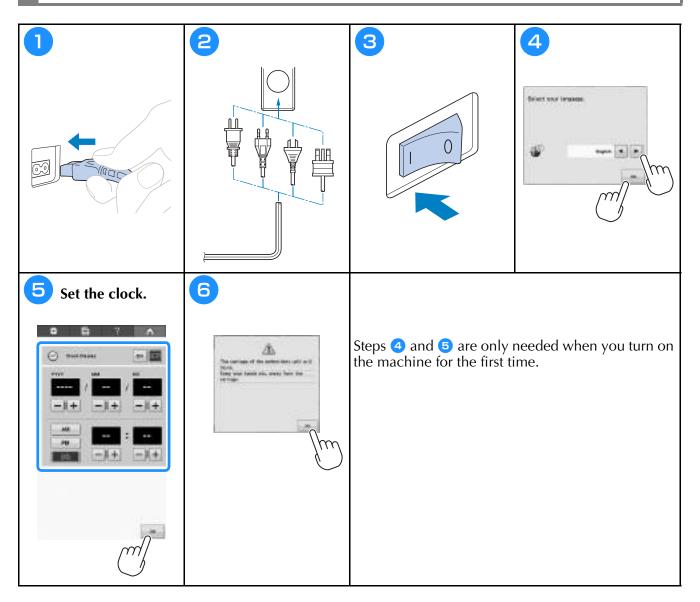
Preparing for Starting the Embroidery

Refer to the detailed operation manual for detailed instructions.

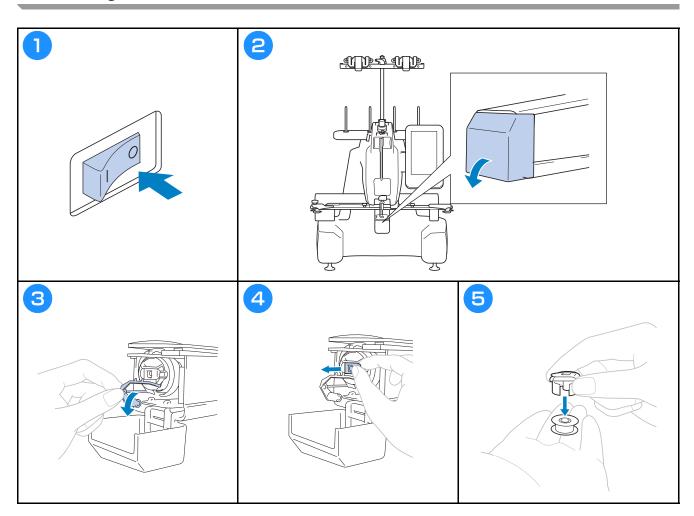
Turning on the machine

A CAUTION

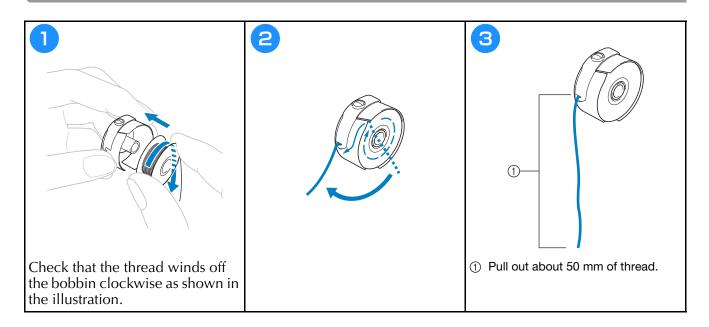
• Make sure to keep your hands and other items away from the carriage, in order to prevent any injuries.



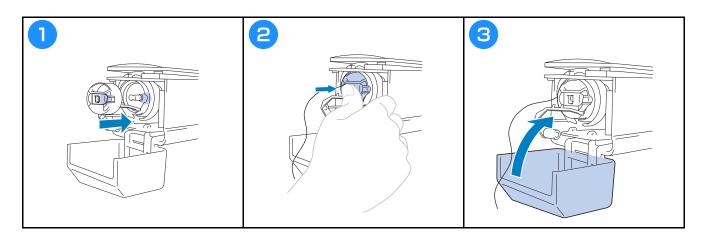
Removing the bobbin case



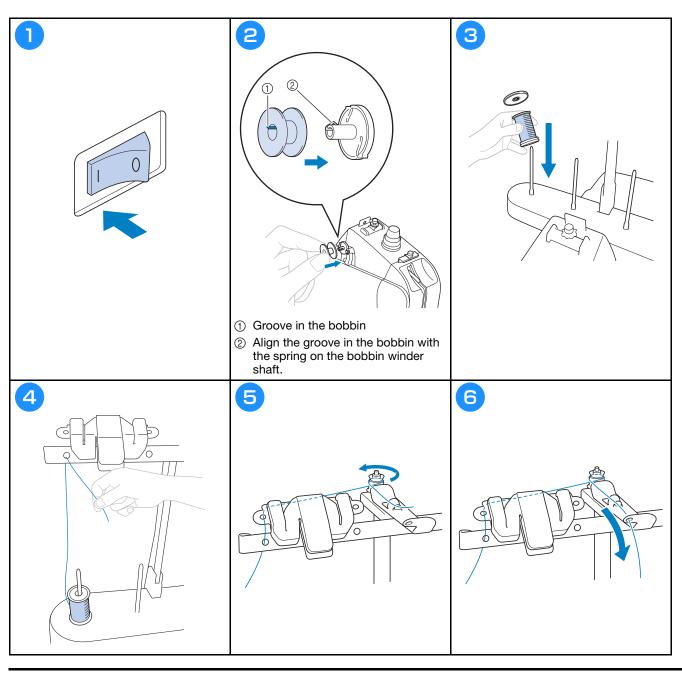
Installing the bobbin

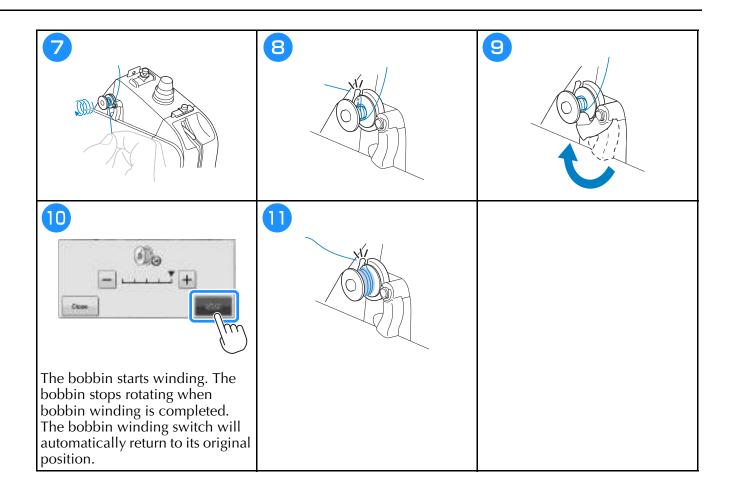


Installing the bobbin case

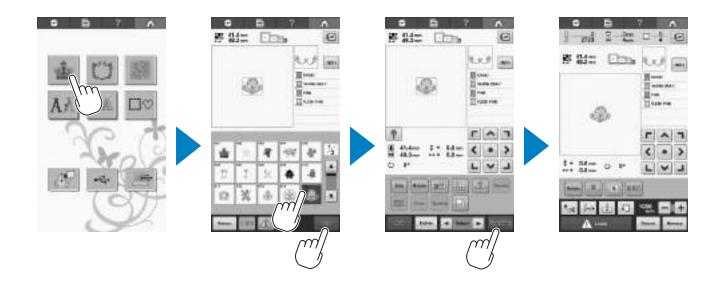


Winding the bobbin

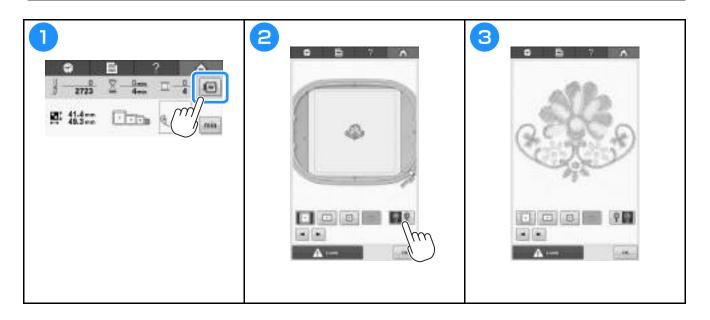




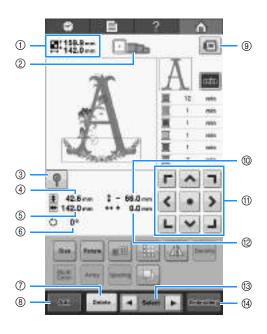
Selecting the embroidery pattern



Checking a preview image

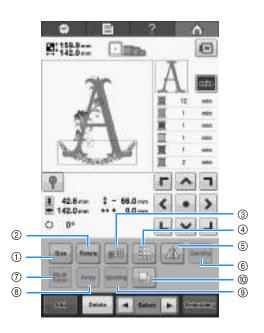


Editing the pattern



No.	Display	Function	
NU.	Key Name	runction	
	142.0mm	Shows the size of the embroidery pattern currently displayed in the	
1	Pattern size	pattern display area. The top value shows the height and the bottom value shows the width. If the embroidery pattern consists of multiple patterns that have been combined, the size of the entire pattern, including all patterns, is shown.	
		Shows the sizes of embroidery frames that can be used to sew the	
2	Embroidery frame indicators	embroidery pattern currently displayed in the pattern display area.	
3	9	Magnify the pattern by 200% in the screen.	
	Magnify key	screen.	
4	12.6 mm	Shows the vertical length of the	
•	Size (vertical)	pattern that is being edited.	
	🖶 142.0 mm	Shows the horizontal width of the	
5	Size (horizontal)	pattern that is being edited.	
6	0 0°	Shows the rotation angle that the	
	Rotation angle	pattern being edited is rotated.	
7	Quints	Deletes the pattern. If touched, the pattern being edited is deleted.	
	Delete key		

No.	Display	Function	
	Key Name		
8	- 263 -	Adds a pattern. If touched, the pattern group selection screen	
	Add key	appears.	
9	ø	Displays an image of the pattern so that it can be previewed.	
	Preview key	that it can be previewed.	
	‡ - 66.0 mm	Shows the vertical distance that the	
10	Distance from center (vertical)	pattern being edited is moved.	
(1)		Moves the embroidering position of the pattern that is being edited in the direction of the arrow. (If s is tauched the embroidering position	
	Positioning keys	touched, the embroidering position is moved to the center of the embroidering area.)	
	+++ 0.0 mm		
12	Distance from center (horizontal)	Shows the horizontal distance tha the pattern being edited is moved	
	4 Sent b	Selects the pattern that is being edited when the embroidery pattern	
13	Pattern selection keys	consists of multiple patterns that have been combined.	
	Nervitarie	Finish editing and continues to the	
14	Embroidery key	embroidering screen.	

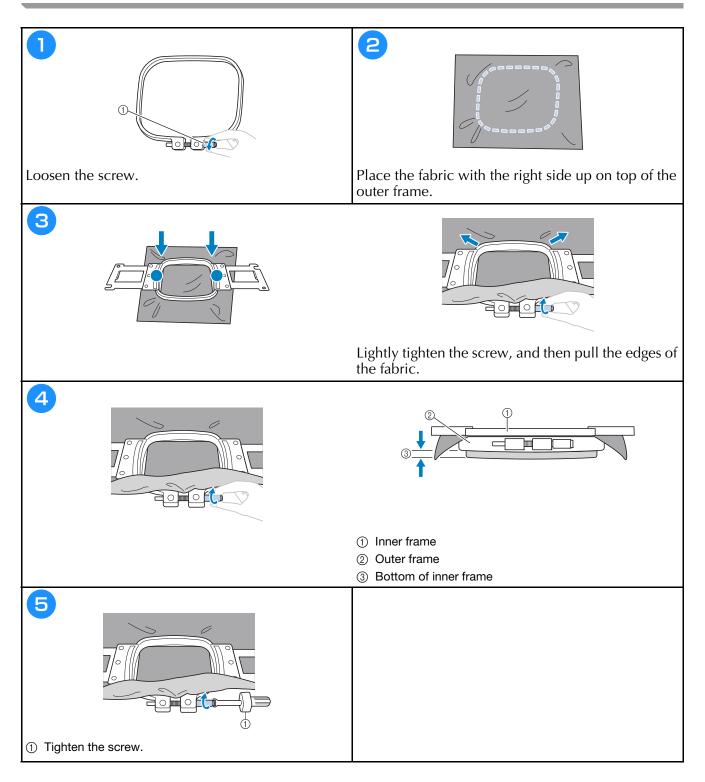


No.	Display	Function
110.	Key Name	runcaon
1	.Sun.	Changes the size of the pattern that is being edited.
	Size key	
2	Auran	Rotates the pattern that is being edited.
	Rotate key	
	細石目	Changes the color of the pattern.
3	Change thread color key	
4	R.	Makes and edits a repeating pattern.
	Border key	
5	A.	Flips the pattern being edited
	Horizontal mirror image key	horizontally.
6	Exercity	Changes the density of the pattern that is being edited; can only be
	Density key	used if an alphabet or frame pattern is selected.
7	245	Enables the thread color of each character in an alphabet pattern to
	Multi Color key	be changed; can only be used when an alphabet is selected.
8	Army	Changes the orientation of the characters in the alphabet pattern
	Array key	that is being edited.
9		Changes the spacing between the characters in the alphabet pattern
	Spacing key	that is being edited.

No.	Display Key Name	Function	
10		Duplicates the pattern.	
	Duplicate key		

Starting the Embroidery

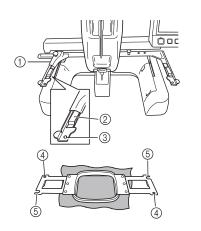
Hooping the fabric in the embroidery frame



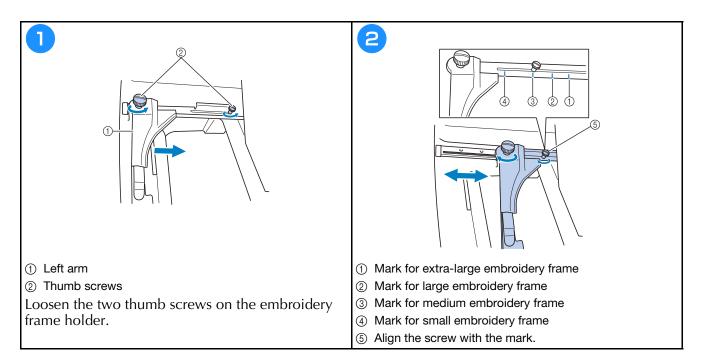
Attaching the embroidery frame to the machine

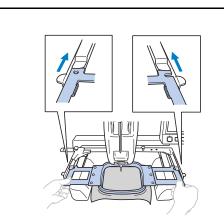
A CAUTION

- If the embroidery frame is not correctly attached, it may hit the presser foot and damage the machine, or cause injury to the user.
- When attaching the embroidery frame, make sure that the "Start/Stop" button is lit in red. If the "Start/ Stop" button is flashing in green, the embroidery machine may start embroidering. If the embroidery machine accidentally starts operating, injuries may result.
- When attaching the embroidery frame, make sure that the embroidery frame does not hit any other part of the embroidery machine.



- ① Left arm of embroidery frame holder
- Move the arm of the embroidery frame holder to the left or right to adjust it to the size of the embroidery frame.
- ② **Clip on embroidery frame holder** Insert the embroidery frame into the clips on the embroidery frame holder.
- ③ Positioning pin
- ④ Holes
- **5** Positioning slots





Slide the embroidery frame into the clip on the embroidery frame holder. The inner frame should be on top. Insert the embroidery frame until it snaps into place.

10

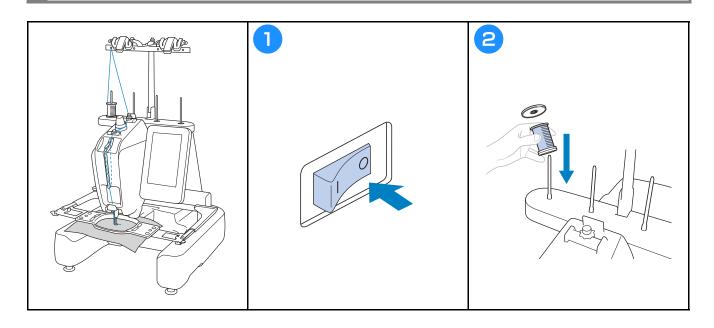
Upper threading

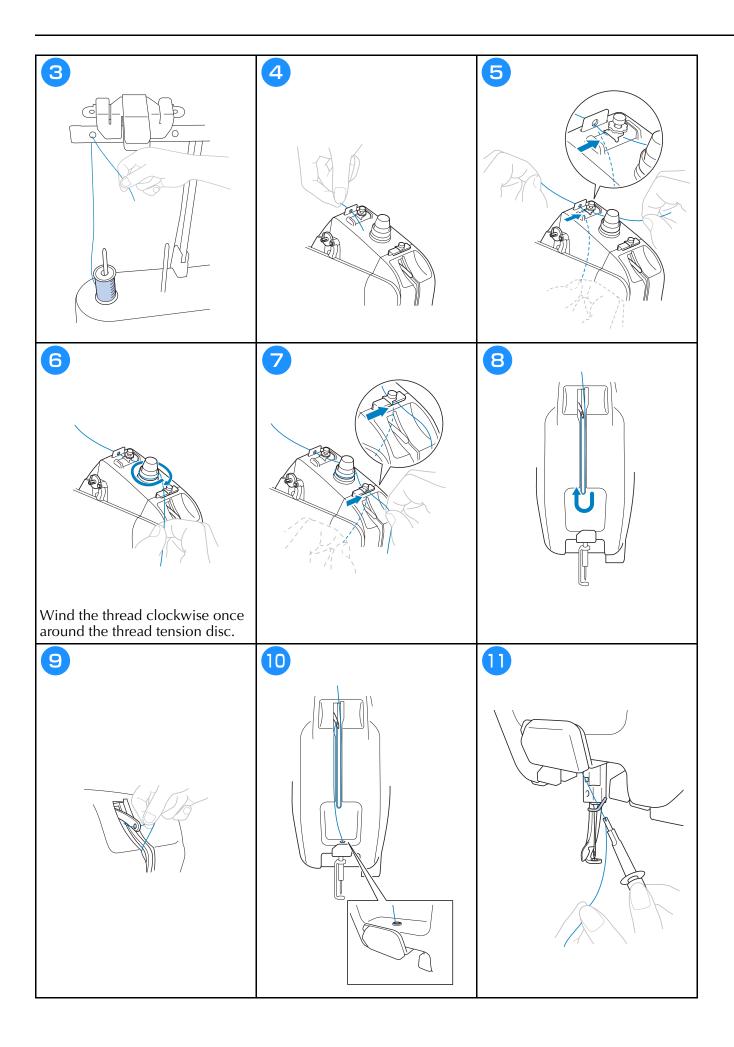
•

3

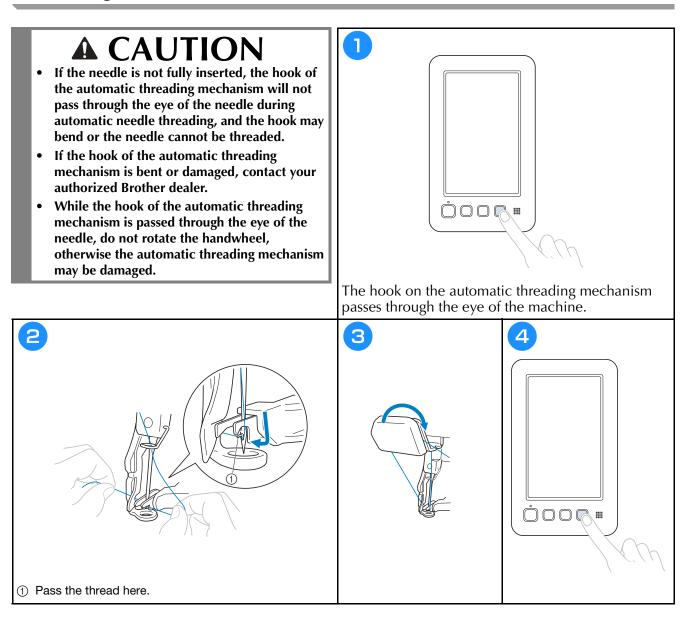
A CAUTION When threading the upper thread, carefully follow the instructions. If the upper threading is not performing correctly, the thread may break or become tangled, causing the needle to bend or break.

4

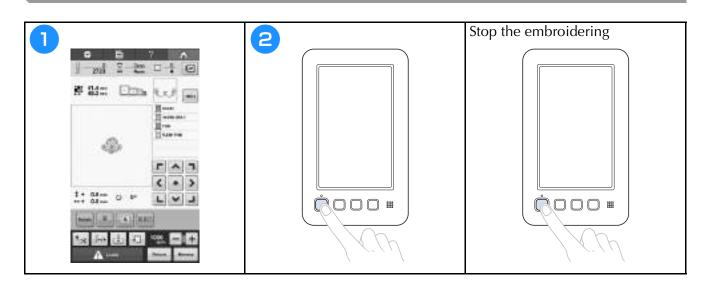




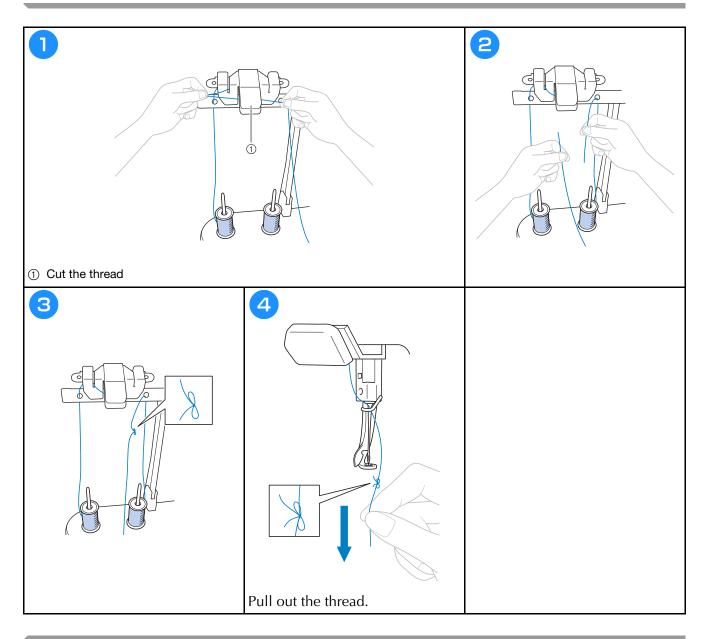
Threading the needle



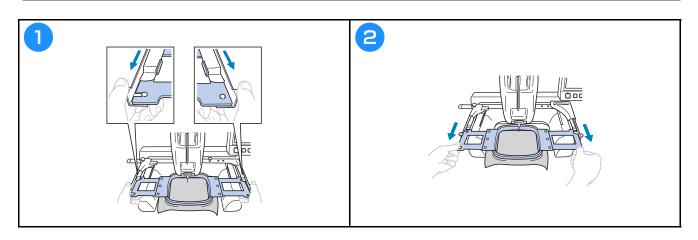
Starting embroidering



Easily changing the thread spools



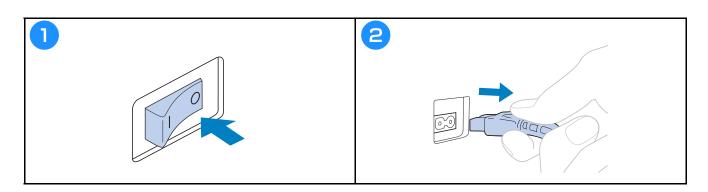
Removing the embroidery frame



Removing the fabric



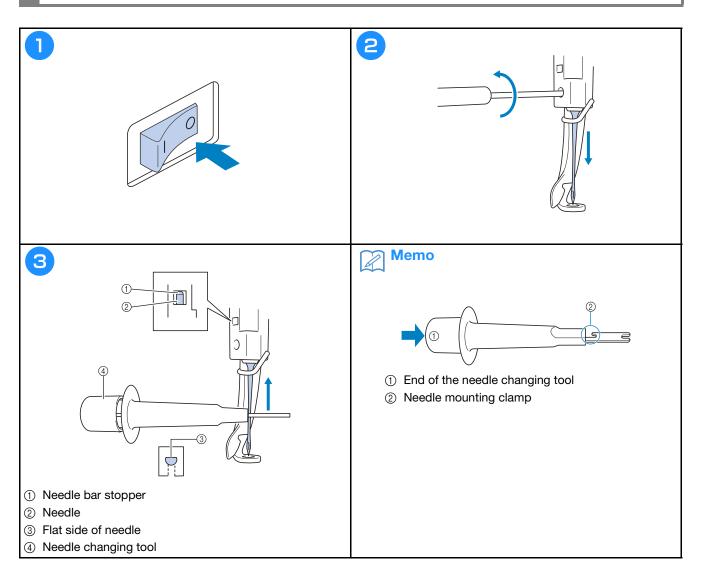
Turning off the machine



Changing the needle

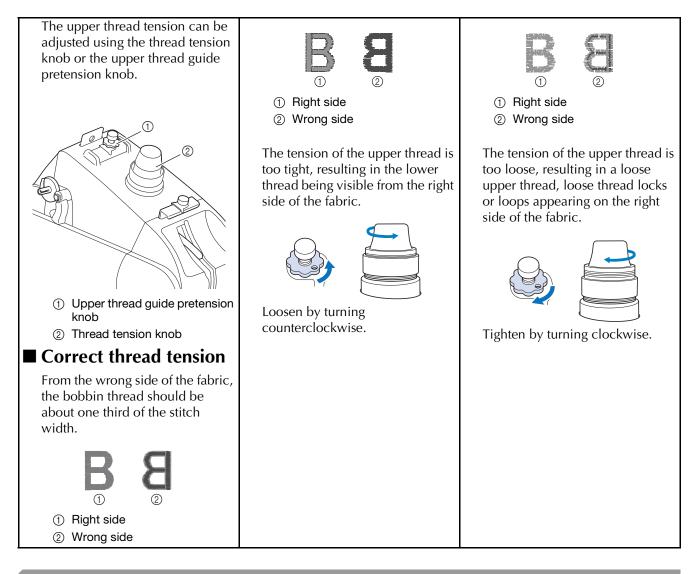
A CAUTION

• Be sure to turn off the embroidery machine before replacing the needle, otherwise injuries may result if the machine starts embroidering.

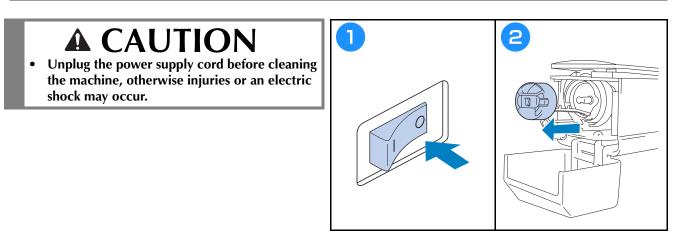


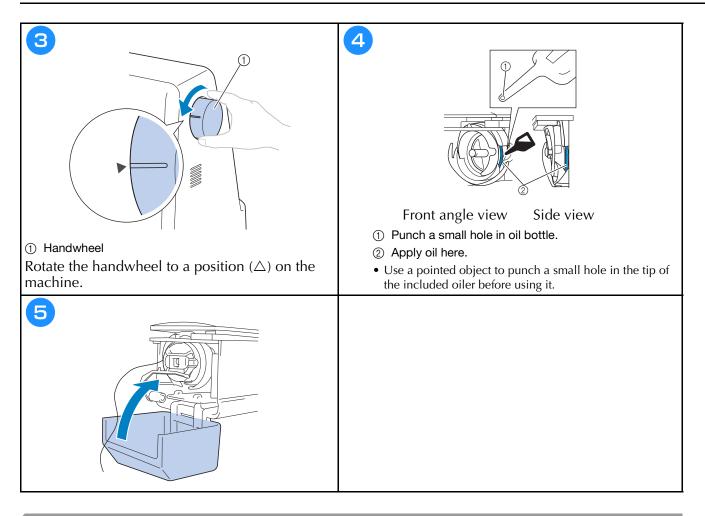
Appendix

Checking the thread tension

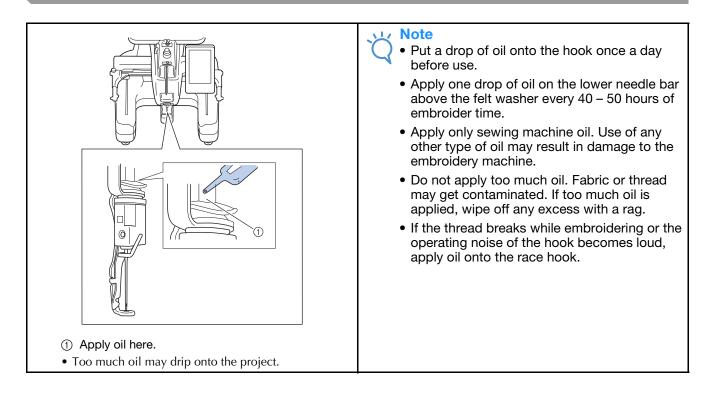


Oiling the race

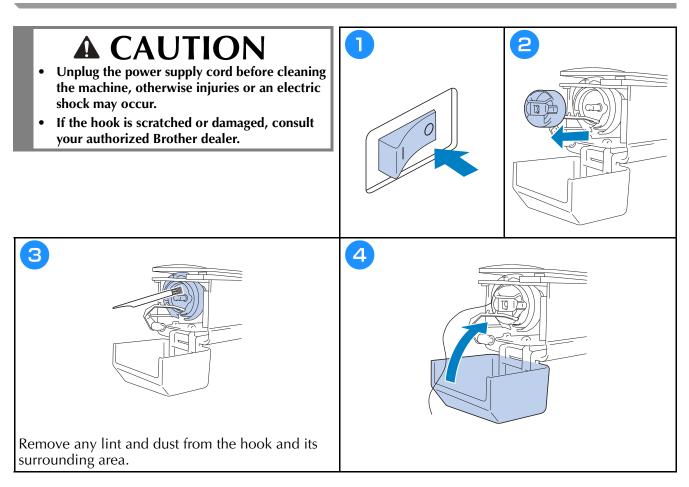




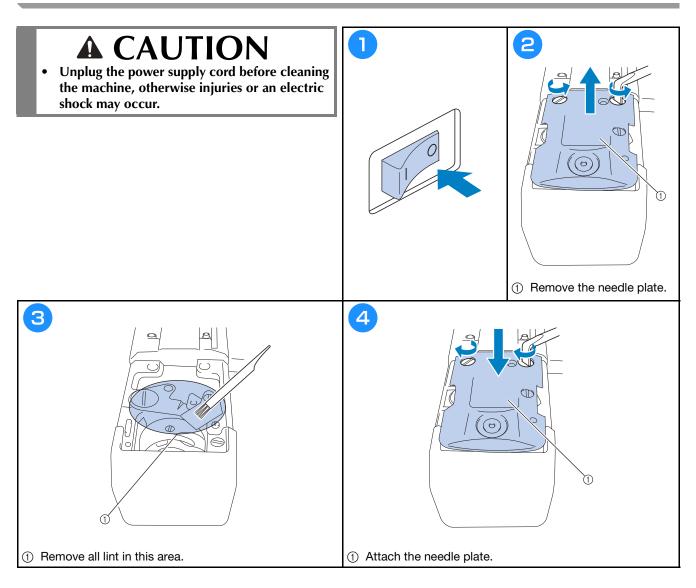
Oiling the needle bars



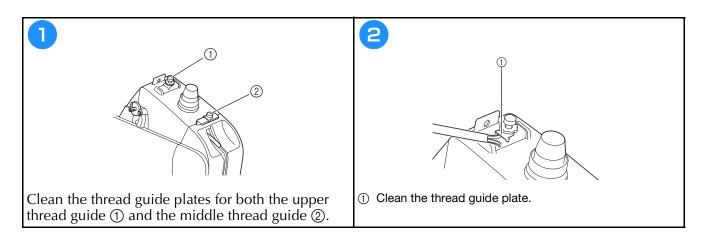
Cleaning the hook



Cleaning around the needle plate



Cleaning the thread guides



Clean the tension dial

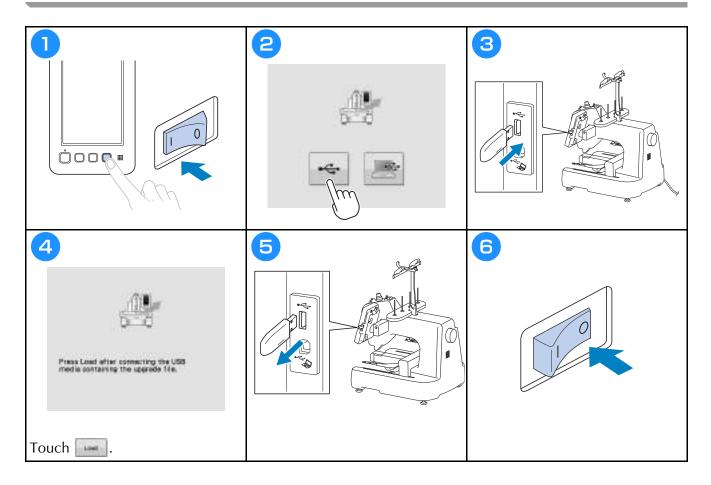
1	2	• When reassembling the tension unit, be sure not to install the tension disc upside down. There is a magnet on the bottom.	
	TOTAL CON	Bottom	Тор
 Turn the dial counterclockwise. 	Remove any lint and dust from the two pieces of felt washers (top, bottom) inside the tension dial.	① Magnet	

Upgrading Your Machine's Software

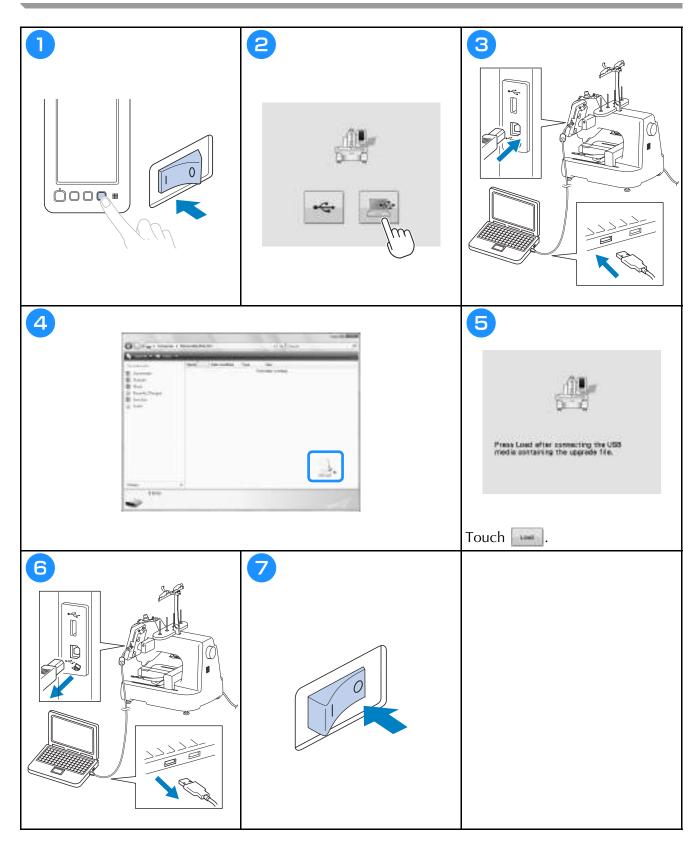
ப் Note

- When an upgrade program is available on " http://support.brother.com ", please download the files following the instructions on the website and steps below.
- When using USB media to upgrade the software, check that no data other than the upgrade file is saved on the USB media being used for this upgrade.
- Compatible operating systems: Microsoft Windows XP, Windows Vista, Windows 7, Windows 8
- USB media is widely used, however some USB media may not be usable with this machine. Please visit our website for more details.

Upgrade procedure using USB media



Upgrade procedure using computer



What you can find in the detailed operation manual on Brother **Solutions Center**

Introduction **IMPORTANT SAFETY INSTRUCTIONS** Trademarks Warning Labels **Machine Structure and Features** Manual Structure Read before use Read when additional information is required

Searching for information

Chapter1 GETTING READY

Names of Machine Parts and Their Functions Front view Right-side/rear view Operation panel Accessories Included accessories Optional accessories Setting Up the Machine Setup and transporting precautions

Setup location Setting up the machine Preparing the thread guide assembly Attaching the embroidery frame holder a Attaching the embroidery frame holder e

Chapter2 EMBROIDERING TUTORIAL

Operating Precautions

Power supply precautions Needle precautions Checking the needle Bobbin precautions Upper thread recommendations Fabric recommendations Display recommendations **Basic Procedures**

1. Turning ON the Machine

Setting your machine for the first time Understanding the screens Screen overview

2. Installing the Bobbin

Removing the bobbin case Installing the bobbin Installing the bobbin case Winding the bobbin

- 3. Selecting an Embroidery Pattern Selecting an embroidery pattern
- 4. Editing the Embroidery Pattern Continuing to the embroidering screen
- 5. Specifying Embroidering Setting Embroidery positioning marker
- 6. Previewing the Image
- Checking a preview image 7. Hooping the Fabric in the Embroidery Frame Hooping the fabric in the embroidery frame
- 8. Attaching the Embroidery Frame to the Machine Attaching the embroidery frame
- 9. Checking the Embroidery Area

10. Upper Threading

Changing the display of thread information Upper threading Threading the needle Easily changing the thread spools

11. Starting Embroidering

Starting embroidering Stopping embroidering 12. Checking the Thread Tension 13. Removing the Embroidery Frame and Fabric Removing the embroidery frame Removing the fabric 14. Turning OFF the Machine Screen Quick Reference Guide Key displays Understanding the pattern type selection screen Understanding the pattern list screen Understanding the pattern editing screen Understanding the embroidering screen When You Have a Question, This May Help You TECHNICAL TERMS: PATTERNS: EMBROIDERING: USB connectivity

Chapter3 OTHER BASIC PROCEDURES

Changing the Needle Replacing the needle Correctly Using the Embroidery Frames Embroidery frame types and applications Attaching Iron-On Stabilizer (Backing) to Fabric **Hooping the Fabric** Hooping the fabric in the large embroidery frame Hooping the compact frame and attaching to the machine Using the embroidery sheet Large/small pieces of fabric **Embroidery Frame Position and Movement Changing the Embroidering Position** Adjusting the angle If the Thread Breaks or the Bobbin Thread Runs Out While Embroidering If the upper thread breaks If the bobbin thread breaks or runs out Embroidering From the Beginning or Middle of the Pattern **Resume Embroidering After Turning Off the** Machine Adjusting the Thread Tension Adjusting the tension of the bobbin thread Adjusting the tension of the upper thread

Chapter4 EMBROIDERING SETTINGS

Basting Embroidery Starting Position Settings Embroidering linked characters Maximum Embroidering Speed Setting **Embroidery Color Management** Uninterrupted embroidering (monochrome - using a single color) Thread color sorting **Thread Trimming Adjustment** Using the automatic thread cutting function (End Color Trim) Using the thread trimming function (Jump Stitch Trim)

Chapter5 SELECTING/EDITING/SAVING **PATTERNS**

Using the Memory Function Embroidery data precautions Concerning optional embroidery cards Concerning USB media Selecting an Embroidery Pattern General pattern selection Embroidery patterns/ Decorative alphabet patterns Frame patterns Alphabet patterns Embroidery cards (optional) Saving embroidery patterns in the machine's memory Saving embroidery patterns to USB media Saving embroidery patterns in the computer Retrieving patterns from the machine's memory Recalling from USB media Recalling from the computer Editing the Embroidery Pattern (Pattern Editing Screen) Combining patterns Selecting the pattern to be edited Displaying the enlarged pattern image Moving a pattern Flipping a pattern horizontally Changing the size of a pattern Rotating a pattern Changing the text arrangement of a character Changing the character spacing Separating combined character patterns Changing the thread density (only for some character and frame patterns) Specifying multi-color text Changing the colors of the pattern Designing repeated patterns

Creating a custom thread table

- Choosing a color from the custom thread table Duplicating a pattern
- Deleting a pattern

Editing the Embroidery Pattern (Embroidering Screen)

Rotating the entire pattern **Editing a Combined Pattern**

Chapter6 BASIC SETTINGS AND HELP **FEATURE**

Using the Settings Key

Understanding the settings screen Saving a settings screen image to USB media Changing the display guides Changing the thread color information Changing the units of measurements Changing the embroidery basting distance Changing the background colors of the embroidery patterns or thumbnails Specifying the thumbnail size Specifying thread sensor Changing the speaker volume Selecting the "Eco Mode" or "Shutoff Support Mode" Setting the opening screen Changing the language Turning "ON" or "OFF" the light Changing the screen brightness Setting the LED pointer Using the Machine Operations Guide Key

Chapter7 APPENDIX

Appliqué Sewing Sewing appliqué patterns Using a frame pattern to create appliqués (1)

Using a frame pattern to create appliqués (2) **Embroidering Split Embroidery Patterns**

Helpful Tips for the Operation of the Machine Color thread table Colors of Tajima (.dst) embroidery data **Creating Beautiful Embroidery** Threads Stabilizers (backing) Hooping techniques Fabric/stabilizer compatibility chart Maintenance Cleaning the LCD Cleaning the machine surface Cleaning the hook Cleaning around the needle plate Cleaning the bobbin case Cleaning the thread paths of the upper threads Oiling the machine About the maintenance message Troubleshooting Troubleshooting Error messages If the machine does not respond when a key is pressed

Specifications

Embroidery machine specifications

Upgrading Your Machine's Software

Upgrade procedure using USB media Upgrade procedure using computer

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Please visit us at <u>http://support.brother.com/</u> where you can get product support and answers to frequently asked questions (FAQs).

