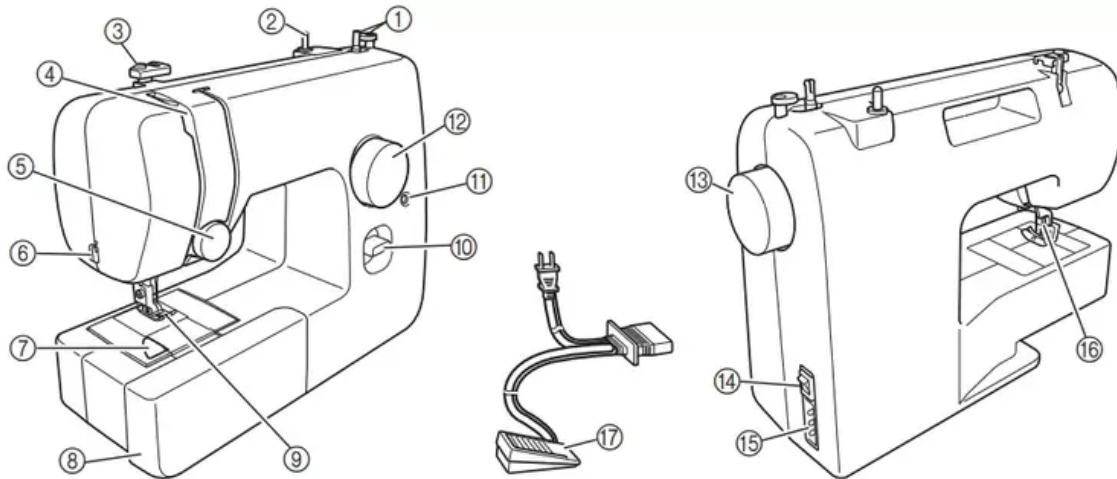


KNOWING YOUR SEWING MACHINE

THE MAIN PARTS



1. Bobbin winder (Page 11)

This winds the thread onto the bobbin for use as the lower thread.

2. Spool pin (Page 11, 15)

This holds the spool of thread.

3. Thread guide (Page 11, 15)

This is used when winding the thread onto the bobbin and then threading the machine.

4. Thread take-up lever (Page 16)

5. Upper tension-control dial (Page 22)

This controls the tension of the upper thread.

6. Thread cutter (Page 20)

Pass the threads through the thread cutter to cut them.

7. Quick-set bobbin (Page 14, 17)

(This is only available on certain models.)

8. Flat bed attachment with accessory compartment (Page 5)

9. Presser foot (Page 8)

10. Reverse sewing lever (Page 10)

Push this lever to stitch in the reverse direction.

11. Buttonhole fine-adjustment screw (Page 28)

12. Pattern selection dial (Page 9)

Rotate the dial in either direction to choose the stitch you want.

13. Handwheel

Used to manually raise and lower the needle.

14. Main power and sewing light switch (Page 7)

You can turn the main power and sewing light switch on and off.

15. Foot controller jack / socket (Page 6)

Plug in the foot controller plug and connect the machine to the power supply.

16. Presser foot lever (Page 15)

Used to raise and lower the presser foot.

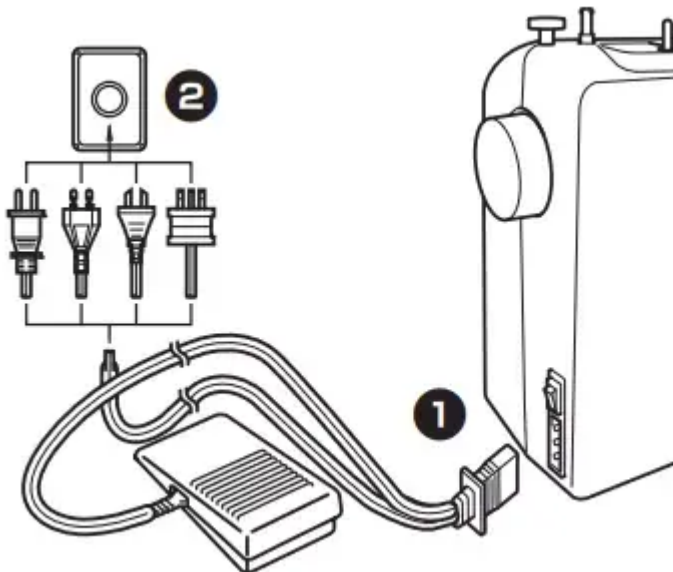
17. Foot controller (Page 7)

You can use this to control the sewing speed, and to start and stop sewing

USING YOUR SEWING MACHINE

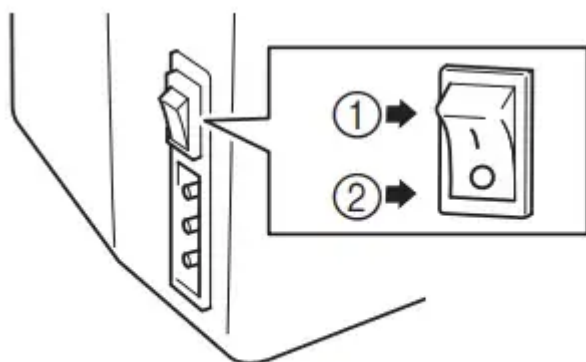
Connecting plugs

1. Connect the foot controller plug to the machine.
2. Connect the power supply plug to a wall outlet.



Main power and sewing light switch

This switch turns the main power and sewing light on or off.



- ① Turn on (toward the 'I' mark)
- ② Turn off (toward the 'O' mark)

Foot controller

When you press the foot controller down lightly, the machine will run at a low speed. When you press harder, the machine's speed will increase. When you take your foot off the foot controller, the machine will stop.

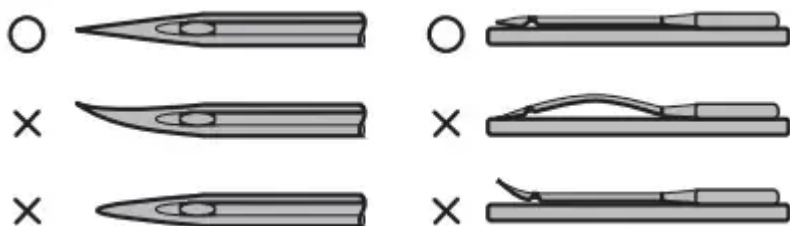


- ① Slower
- ② Faster

You should make sure that nothing is placed on the foot controller when the machine is not in use.

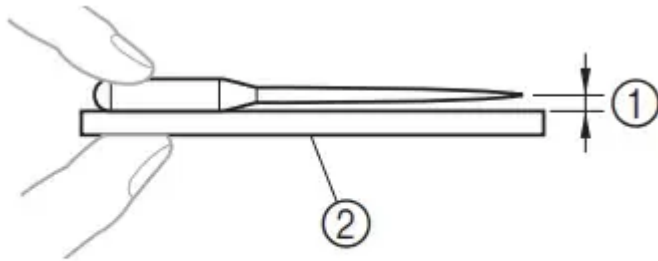
Checking the needle

The sewing needle must always be straight and sharp for smooth sewing.



■ Checking the needle correctly

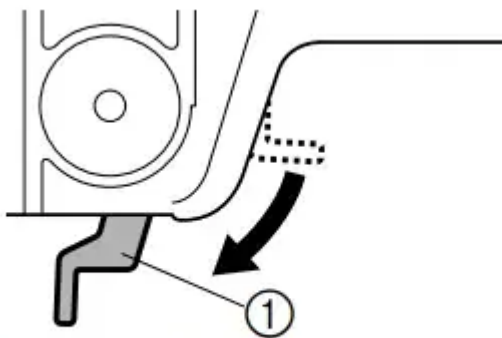
Put the flat side of the needle on a flat surface. Check the needle from the top and the sides. Dispose of any bent needles safely.



- ① Parallel space
- ② Level surface (bobbin cover, glass, etc.)

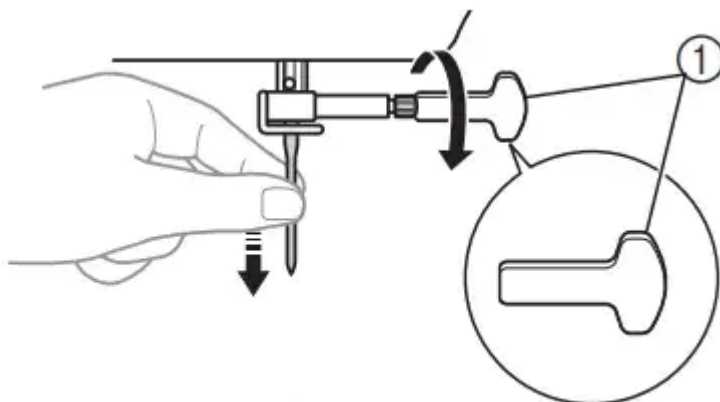
Replacing the needle

1. Turn off the machine.
2. Raise the needle by turning the handwheel toward you (counterclockwise) so that the mark on the wheel points up.
3. Lower the presser foot lever.



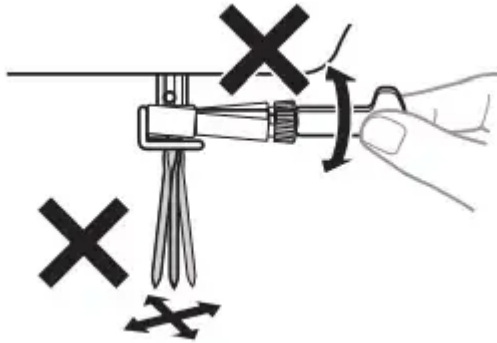
- ① Presser foot lever

4. Hold the needle with your left hand, and then use a screwdriver to turn the needle clamp screw counterclockwise to remove the needle.

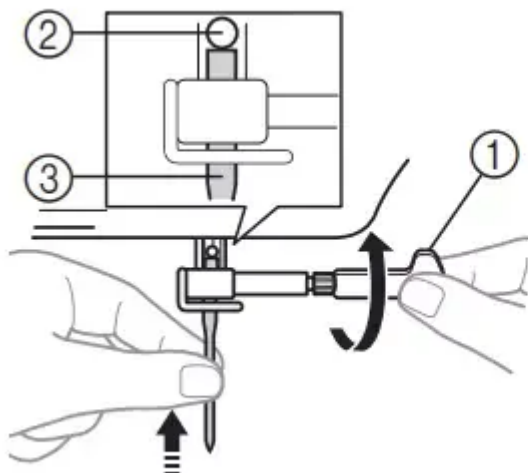


- ① Use a screwdriver

- Do not use excessive force when loosening or tightening the needle clamp screw, otherwise certain parts of the sewing machine may be damaged.



5. With the flat side of the needle toward the back of the machine, insert the needle until it touches the needle stopper. Next, tighten the needle clamp using a screwdriver.



- ① Use a screwdriver
- ② Needle stopper
- ③ Needle

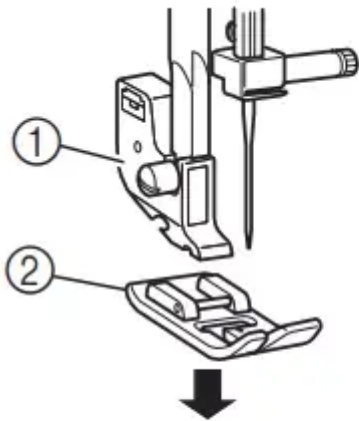
Changing the presser foot

You will have to change the presser foot depending on what you want to sew and how.

1. Turn off the machine. Raise the presser foot lever.
2. Raise the needle by turning the handwheel toward you (counterclockwise) so that the mark on the wheel points up.
- 3.

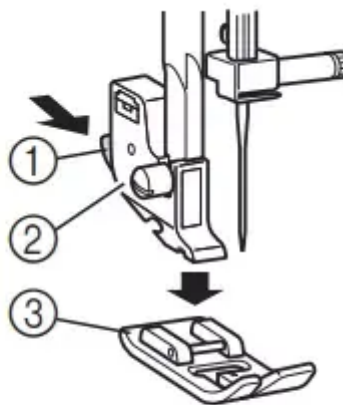
Remove the presser foot by pulling it vertically downward.

Press the black button at the back of the presser foot holder to release the presser foot.



- ① Presser foot holder
- ② Presser foot

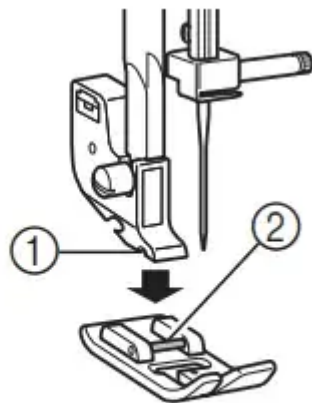
or



- ① Black button
- ② Presser foot holder
- ③ Presser foot

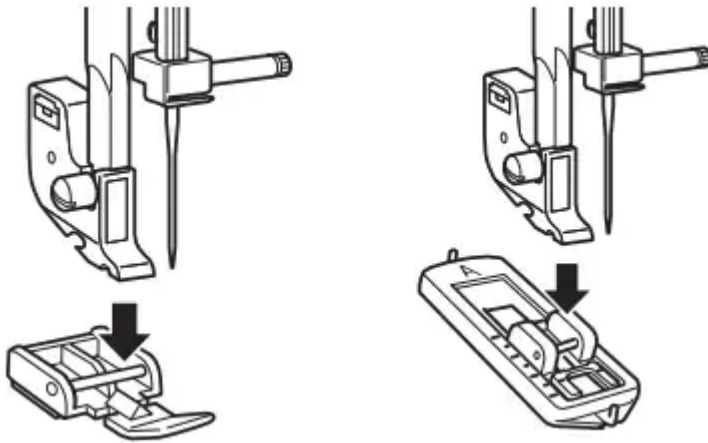
4. Put a different presser foot on the needle plate so that the bar on the presser foot is in line with the slot on the shank.

5. Lower the presser foot lever and fix the presser foot onto the shank. If the presser foot is in the correct place, the bar should snap in.



- ① Shank
- ② Bar

■ Presser foot installation orientation



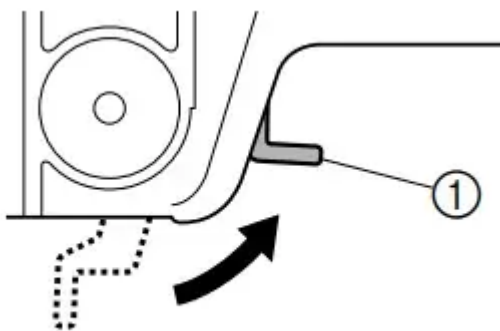
SEWING BASICS

Starting sewing

1. Turn on the machine.

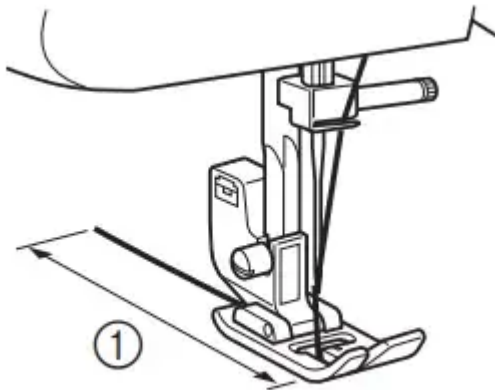


2. Raise the needle by turning the handwheel toward you (counterclockwise) so that the mark on the wheel points up.
3. Turn the pattern selection dial to select a stitch (see page 9).
4. Change the presser foot (see page 8).
5. Raise the presser foot lever.



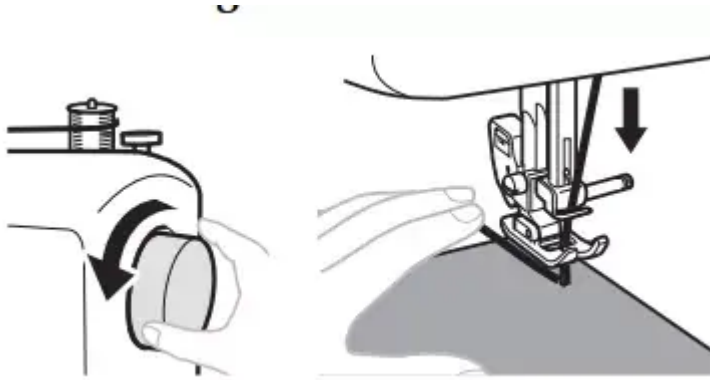
① Presser foot lever

6. Place the fabric under the presser foot, pass the thread under the presser foot, and then pull out about 5 cm (2 inches) of thread toward the rear of the machine.

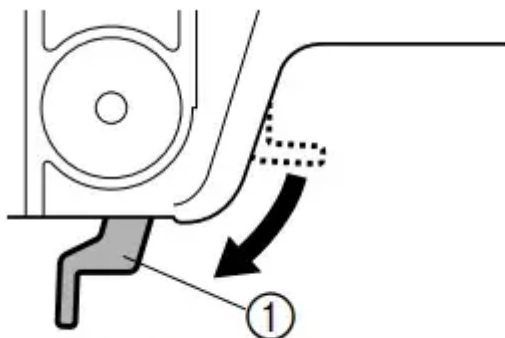


① 5 cm (2 inches)

7. While holding the end of the thread and the fabric with your left hand, turn the handwheel toward you (counterclockwise) with your right hand to lower the needle to the starting point of the stitching

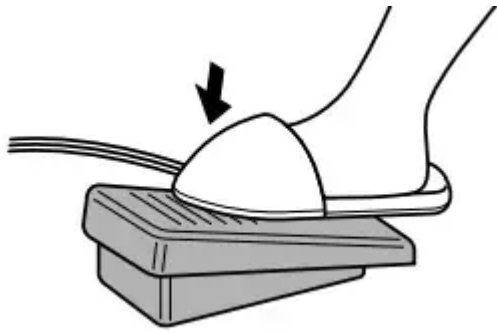


8. Lower the presser foot lever.



① Presser foot lever

9. Slowly press down on the foot controller.



The machine starts sewing.

10. Take your foot off the foot controller.

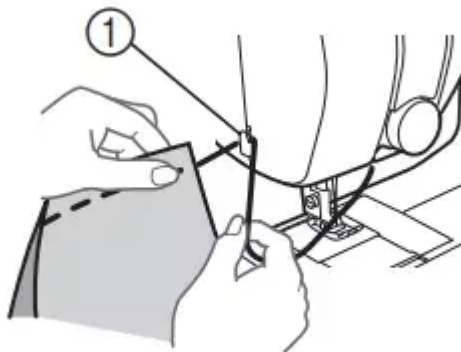
The machine stops sewing.

- You can use reverse sewing for back tacking and reinforcing seams by pressing the reverse sewing lever. Refer to “Reverse sewing lever” on page 10 for the details

11. Raise the needle by turning the handwheel toward you (counterclockwise).

12. Raise the presser foot lever.

13. Pull the fabric to the left side of the machine, and then pass the threads through the thread cutter to cut them.



① Thread cutter

MAINTENANCE

Restrictions on oiling

In order to prevent damaging this machine, it must not be oiled by the user.

This machine was manufactured with the necessary amount of oil applied to ensure correct operation, making periodic oiling unnecessary.

If problems occur, such as difficulty turning the handwheel or an unusual noise, immediately stop using the machine, and contact your authorized dealer or the nearest authorized service center.

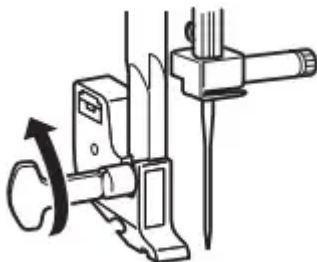
Precautions on storing the machine

Do not store the machine in any of the locations described below, otherwise damage to the machine may result, for example, rust caused by condensation.

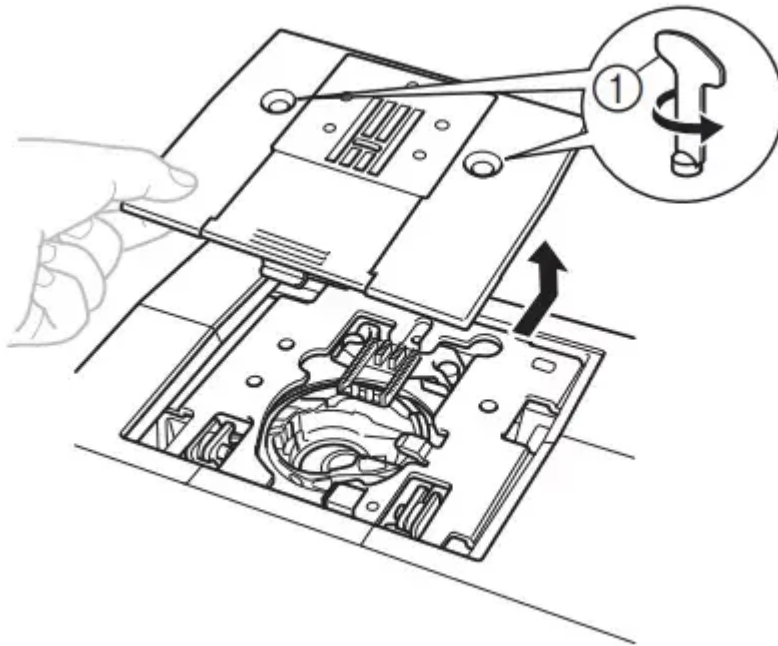
- Exposed to extremely high temperatures
- Exposed to extremely low temperatures
- Exposed to extreme temperature changes
- Exposed to high humidity or steam
- Near a flame, heater or air conditioner
- Outdoors or exposed to direct sunlight
- Exposed to extremely dusty or oily environments

Cleaning

1. Turn off the machine and unplug it.
2. Raise the needle and the presser foot.
3. Loosen the presser foot screw and the needle clamp screw to remove the presser foot holder and the needle.

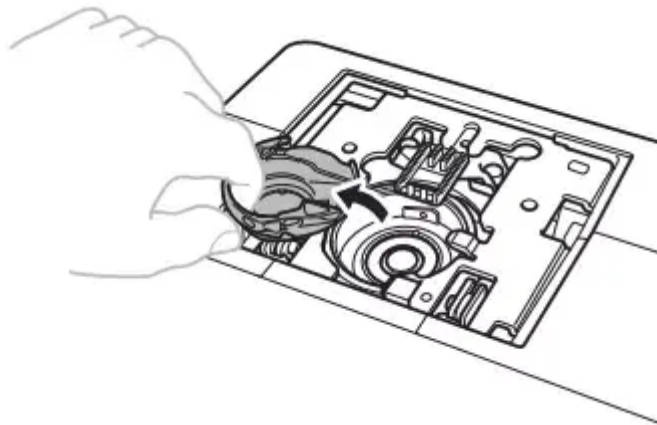


4. Using the screwdriver, remove the two screws. Lift up the needle plate as shown in the illustration, and then slide the needle plate to the left to remove it.

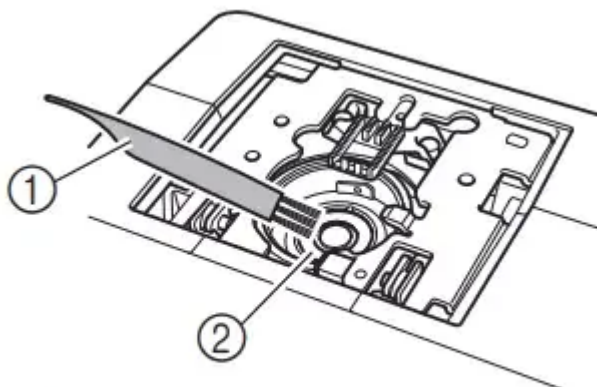


① Use the screwdriver

5. Grasp the bobbin case, and then lift it out to the left.



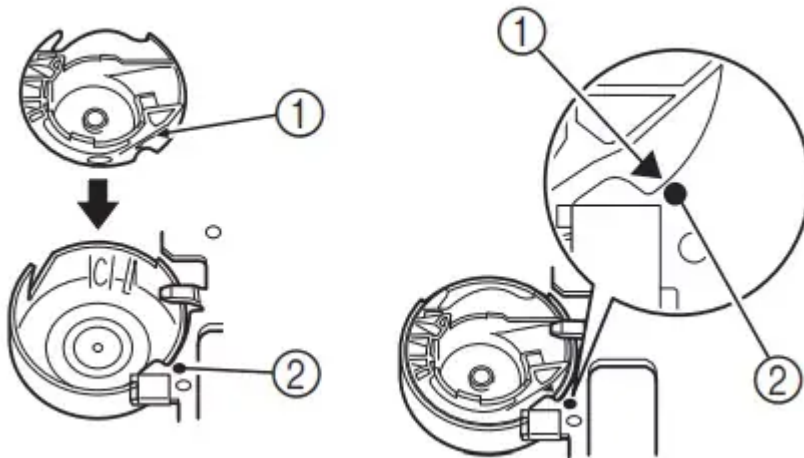
6. Use the cleaning brush or a vacuum cleaner to remove any dust from the race and its surrounding area.



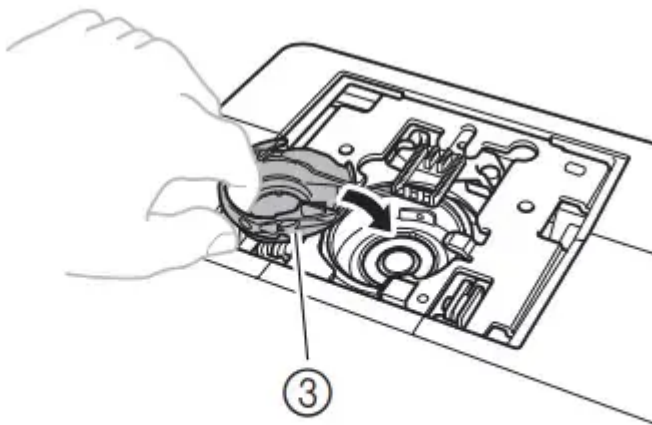
- ① Cleaning brush
- ② Race

- Do not apply oil to the bobbin case.

7. Insert the bobbin case so that the ▲ mark on the bobbin case aligns with the ● mark on the machine as shown below.



- Align the ▲ and ● marks.

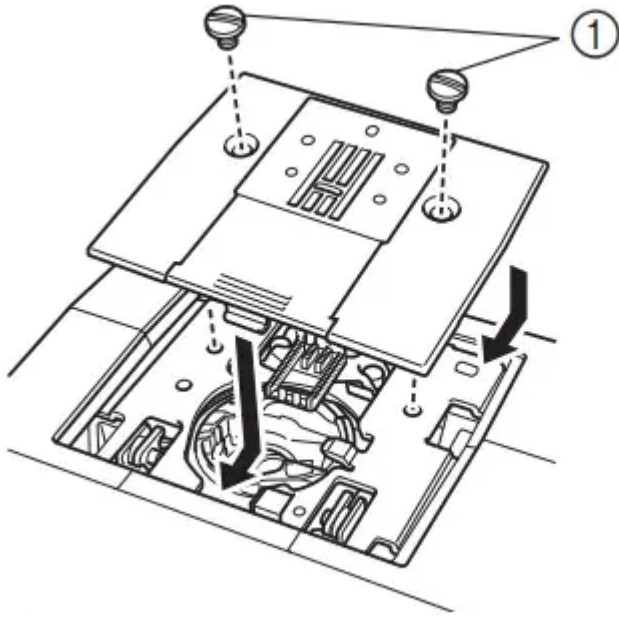


- ① ▲ mark
- ② ● mark
- ③ Bobbin case

- Make sure that the indicated points are aligned before installing the bobbin case.

8. Install the needle plate, and then tighten the screws.





① Screws

- Make sure that you install the needle plate securely.

TROUBLESHOOTING



Symptom	Possible cause	How to put it right
The sewing machine does not work.	The main power switch is turned off.	Turn on the main power switch.
	The bobbin-winder shaft is pushed to the right.	Move the bobbin-winder shaft to the left.
	You have not used the foot controller properly.	Use the foot controller properly.
Fabric being sewn with the machine cannot be removed	Thread is tangled below the needle plate.	Lift up the fabric and cut the threads below it, and clean the race.
The needle breaks	The needle is incorrectly installed.	Correctly install the needle.
	The needle clamp screw is loose.	Use the screwdriver to firmly tighten the screw.
	The needle is bent or blunt.	Replace the needle.
	The upper thread was not threaded correctly.	Correct the upper threading.
	You have not used the right combination of fabric, thread and needle.	Choose a thread and needle that are appropriate for the type of fabric.
	The presser foot you are using is not appropriate for the type of stitch that you want to sew.	Attach the presser foot that is correct for the type of stitch that you want to sew.
	The upper thread tension is too tight.	Loosen the upper thread tension.
	You are pulling the fabric too much.	Lightly guide the fabric
	You have not fitted the spool properly.	Fit the spool properly
	The area around the hole in the needle plate or the presser foot is scratched.	Replace the needle plate. Contact your retailer or the nearest authorized service center.

	The bobbin case is scratched.	Replace the bobbin case. Contact your retailer or the nearest authorized service center.
	You have not used a bobbin that has been designed for this machine.	Use a bobbin that has been designed for this machine.
The upper thread breaks.	You have not threaded the upper thread properly. (For example, you have not fitted the spool properly, or the thread has come out of the guide above the needle.)	Correct the upper threading
	There are knots or tangles in the thread.	Remove any knots or tangles.
	The needle is not appropriate for the thread you are using.	Choose a needle that is appropriate for the type of stitch.
	The upper thread tension is too tight.	Loosen the upper thread tension.
	The needle is bent or blunt.	Replace the needle.
	The needle is incorrectly installed.	Correctly install the needle.
	The area around the hole in the needle plate or the presser foot is scratched.	Replace the needle plate. Contact your retailer or the nearest authorized service center.
	The bobbin case is scratched, or has a burr on it.	Replace the bobbin case. Contact your retailer or the nearest authorized service center.
	You have not used a bobbin that has been designed for this machine.	Use a bobbin that has been designed for this machine.

The lower thread is tangled or breaks.	You have not wound the bobbin thread properly.	Wind the bobbin thread properly.
	The bobbin is scratched or does not turn smoothly.	Replace the bobbin
	The thread is tangled.	Remove the tangled thread and clean the race.
	You have not used a bobbin that has been designed for this machine.	Use a bobbin that has been designed for this machine.
	Bobbin is set incorrectly.	Reset the bobbin thread correctly.
The thread tension is incorrect.	You have not threaded the upper thread properly.	Correct the upper threading
	You have not wound the bobbin thread properly.	Wind the bobbin thread properly
	You have not threaded the right combination of thread and needle for the fabric you are using.	Choose a thread and needle that are appropriate for the type of fabric.
	You have not attached the presser foot holder properly.	Attach the presser foot holder properly
	The thread tension is incorrect.	Adjust the tension of the upper thread.
	You have not used a bobbin that has been designed for this machine.	Use a bobbin that has been designed for this machine
	Bobbin is set incorrectly.	Reset the bobbin thread correctly
The fabric is wrinkled.	You have not threaded the upper thread properly or fitted the bobbin properly.	Thread the upper thread and wind the bobbin thread properly
	You have not fitted the spool properly.	Fit the spool properly.
	You have not used the right combination of fabric, thread and needle.	

		Choose a thread and needle that are appropriate for the type of fabric.
	The needle is bent or blunt.	Replace the needle
	If thin fabrics are being sewn, the fabric is not being fed correctly.	Sew with stabilizer material under the fabric
	The presser foot you are using is not appropriate for the type of stitch that you want to sew.	Attach the presser foot that is correct for the type of stitch that you want to sew
	The thread tension is incorrect.	Adjust the tension of the upper thread.
Stitches are skipped.	You have not threaded the upper thread properly.	Correct the upper threading.
	You have not used the right combination of fabric, thread and needle.	Choose a thread and needle that are appropriate for the type of fabric.
	The needle is bent or blunt.	Replace the needle.
	The needle is incorrectly installed.	Correctly install the needle.
	Dust has accumulated under the needle plate or in the bobbin case.	Remove the needle plate and clean the plate and the bobbin case.
The stitch is not sewn correctly	The presser foot that you are using is not correct for the type of stitch.	Attach the presser foot that is correct for the type of stitch that you want to sew
	The thread tension is incorrect.	Adjust the tension of the upper thread.
	The thread is tangled.	Remove the tangled thread. If the thread is tangled in the bobbin case, clean the bobbin case.
The fabric does not feed.	The darning plate is fitted on the needle plate.	Remove the darning plate.

<p>You have not used the right combination of fabric, thread and needle.</p>	<p>Choose a thread and needle that are appropriate for the type of fabric.</p>
<p>The thread is tangled, for example, in the race.</p>	<p>Remove the tangle thread. If the thread is tangled in the race, clean the race.</p>
<p>The presser foot you are using is not appropriate for the type of stitch that you want to sew.</p>	<p>Attach the presser foot that is correct for the type of stitch that you want to sew.</p>

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

