



TOYOTA

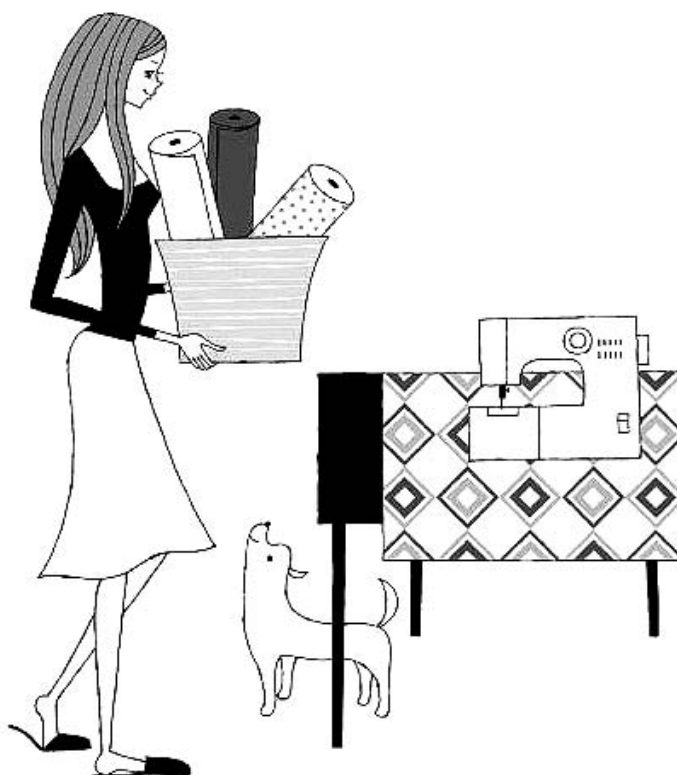
SP10 Series

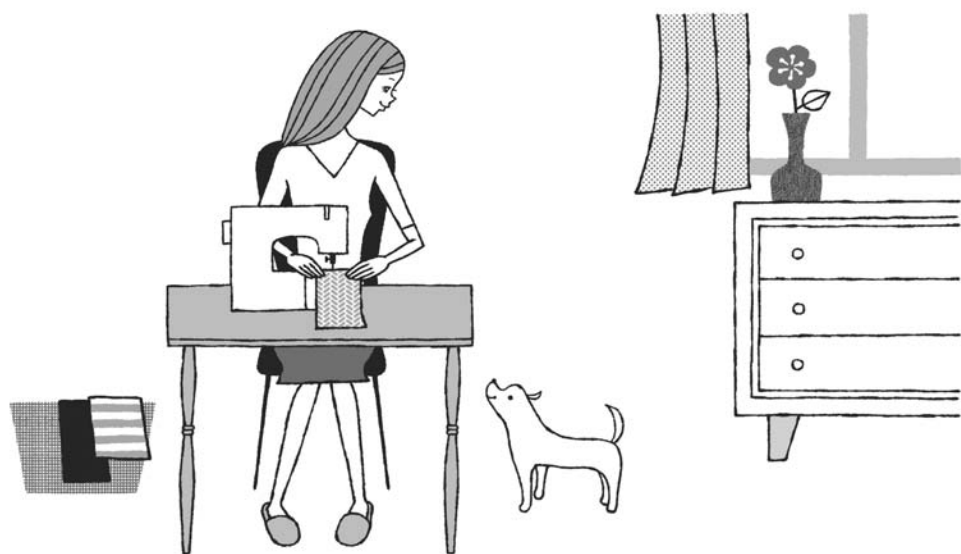
HOME-USE SEWING MACHINE

INSTRUCTION

MANUAL

- Read this manual carefully before use and always follow the instructions.
- Keep the manual in a convenient place for easy reference.
- If you give the sewing machine to someone else, also give them this instruction manual.





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• Important safety instructions

These safety instructions are designed to prevent danger or damage arising from the incorrect operation of the machine. Read carefully and always follow the instructions.

Explanation of “⚠ Warning” and “⚠ Caution”

⚠ Warning

An incorrect operation could result in death or serious injury.

⚠ Caution

An incorrect operation could result in an injury or damage to the machine.

Symbol explanation



Do not touch.



Prohibited actions



Required actions



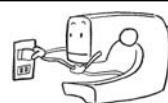
Remove the power plug from the outlet.

⚠ Warning



Use an AC 220 to 240 V power source.

Not doing so could cause an electric shock or a fire.



Do not damage the power cord, modify it, bend it excessively, jerk it or twist it.

Doing so could cause an electric shock or a fire.

If the power cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.



Do not use outdoors.

Doing so could cause an electric shock or a fire.



Do not operate where aerosol (spray) products are being used or where oxygen is being administered.

Doing so could cause a fire.

⚠ Caution



When the machine is not in use it should be stored safely, not on the floor as protruding parts could cause injury if a person fell on the machine.

Not doing so could cause an injury.

Caution



Remove the power plug from the outlet when replacing the needle, presser foot, setting the upper or lower thread.
Not doing so could cause an injury.



Do not look away from the needle while operating the sewing machine.
If the needle breaks it could cause an injury.



Do not touch moving parts such as the needle, take-up lever or handwheel.
Doing so could cause an injury.



Children should only use the machine under the supervision of a parent or guardian.
Otherwise they could injure themselves.



Do not use when young children are near the machine.
They could touch the needle and be injured.



When leaving the sewing machine after use, remove the power plug from the outlet.
Not doing so could cause an injury.



Before using the sewing machine make sure that the presser foot holder clamp screw, needle clamp screw and needle plate screw are firmly tightened, and that the presser foot is properly set in the presser foot holder.
Not doing so could cause an injury.



Do not perform the following actions.
Doing so could cause an injury.

- Sewing without lowering the presser foot.
- Sewing while the needle is incorrectly installed.
- Using a bent needle.
- Sewing while jerking the fabric.
- Moving the pattern selection dial while sewing.



Do not operate on an unstable surface such as a sofa or a bed.
If the sewing machine falls down, it could cause an injury or damages to the machine.



Do not drop or insert any foreign objects into any openings such as opening space when you remove the face cover and / or the outer casing space of bobbin case.
Doing so could cause an injury or damages to the machine.



Do not repair, disassemble or modify except what is mentioned in the instruction manual.
Doing so could cause an electric shock, a fire or an injury.

 Before use

UK ONLY

IMPORTANT

PLEASE READ CAREFULLY

• How to change the power plug

Warning



When you change the power plug or cord, do not repair, disassemble or modify except at the authorised dealer or service centre.

Doing so could cause an electric shock or a fire



If for any reason the power plug for this product is removed it should be immediately disposed of safely and not stored anywhere where it could be inadvertently used again.

Doing so could cause an electric shock or a fire

The wires in this mains lead are coloured in accordance with the following code:

BLUE-NEUTRAL BROWN-LIVE (OR ACTIVE)

As the colours of the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug - **PROCEED AS FOLLOWS:**

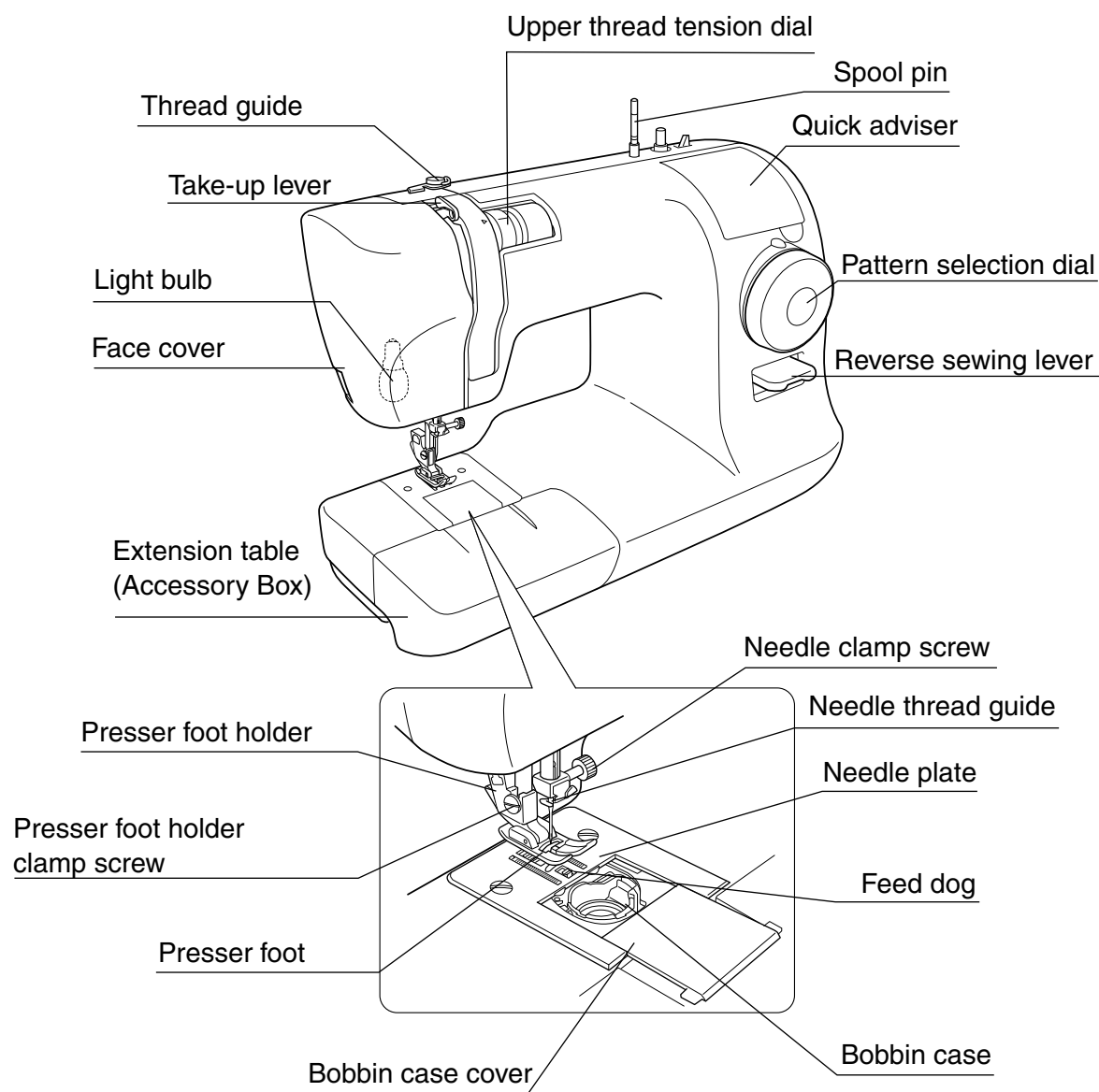
The earth plug pin is unnecessary. As the machine is designed under double insulation structure, the earth wire is removed from the machine. The wire coloured BROWN must be connected to the terminal marked L or A or coloured RED. The wire coloured BLUE must be connected to the terminal marked N or coloured BLACK. Neither core is to be connected to the earth terminal of a three-pin plug.

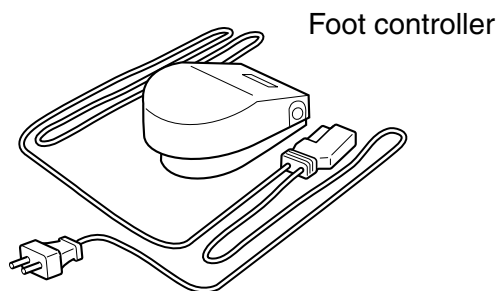
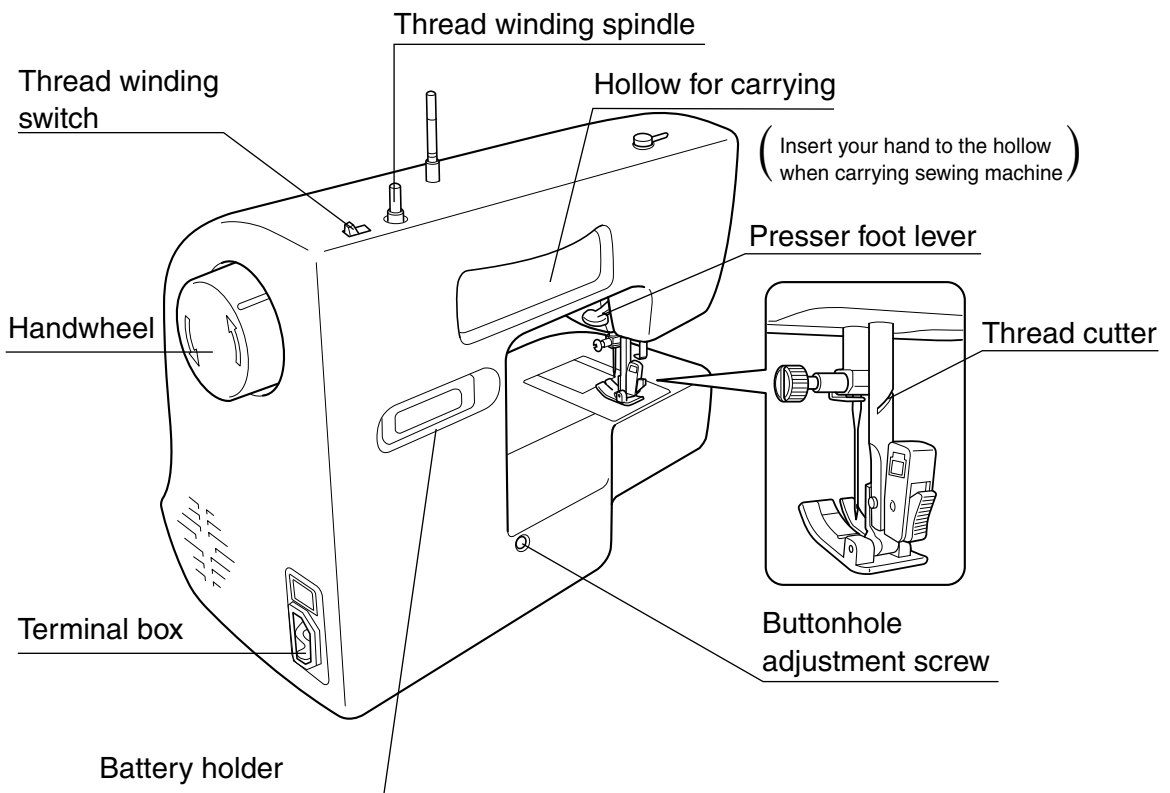


✱ Before use

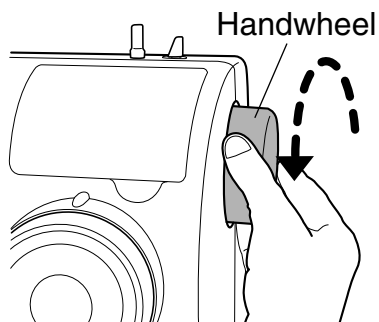
• Part names

- External appearance may differ from model to model.





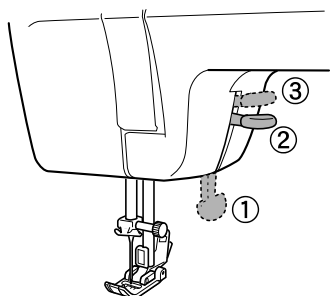
• How to use handwheel



Always turn the handwheel towards yourself.
(in the direction of the arrow, forwards)

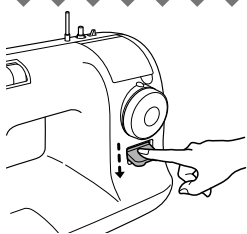
Note: If you turn it in the reverse direction it could tangle the thread.

• How to use presser foot lever



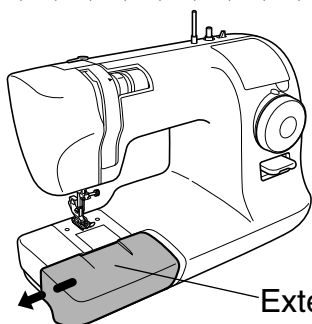
- When sewing, lower the presser foot lever to lower the presser foot. (Position ①)
- When inserting fabric, lift up the presser foot lever to raise the presser foot. (Position ②)
- When inserting very thick fabric under the presser foot, the lift height can be increased by holding the presser foot lever at this position. (Position ③)

• How to use reverse sewing lever



- While lowering the reverse sewing lever, reverse sewing is performed.
- Remove your finger from the reverse sewing lever to return to forward direction sewing.

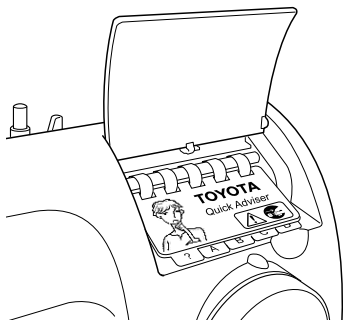
• How to remove extension table



Pull out the extension table (accessory box) in the direction of the arrow.

Extension table

• How to use quick adviser



This quick adviser describes basic countermeasures about the main troubles.

Meaning of the illustrations

Illustrations of the troubles	Meaning of the illustrations	↓	Section of countermeasures
			Meaning of the illustrations
	<ul style="list-style-type: none"> • Jammed stitches • Unbalanced stitches • The fabric wrinkles/puckers • Missed stitches <p>Above troubles happen, refer to illustration ① for countermeasures.</p>	①	<p>Describes below 3 operations.</p> <ol style="list-style-type: none"> ① Adjusting thread tension. ② Threading the lower thread correctly. ③ Threading the upper thread correctly.
	<p>When needle is broken, refer to illustration ② for countermeasures.</p>	②	<p>Describes how to change needle correctly.</p> <ol style="list-style-type: none"> ① Raise the needle. ② Remove the needle. ③ Attach the new needle.
	<p>When you want to know how to attach presser foot, refer to illustration ③ for countermeasures.</p>	③	<p>Describes how to attach presser foot.</p> <ol style="list-style-type: none"> ① Raise the presser foot lever. ② Set the presser foot under the presser foot holder correctly. ③ Lower the presser foot lever.
	<p>When you want to know how to wind lower thread, refer to illustration ④ for countermeasures.</p>	④	<p>Describes how to install battery for winding lower thread.</p> <ol style="list-style-type: none"> ① Install the battery into battery holder on the back of sewing machine. ② Push the switch to the left.

* Sewing preparations

• Connecting the power

Warning

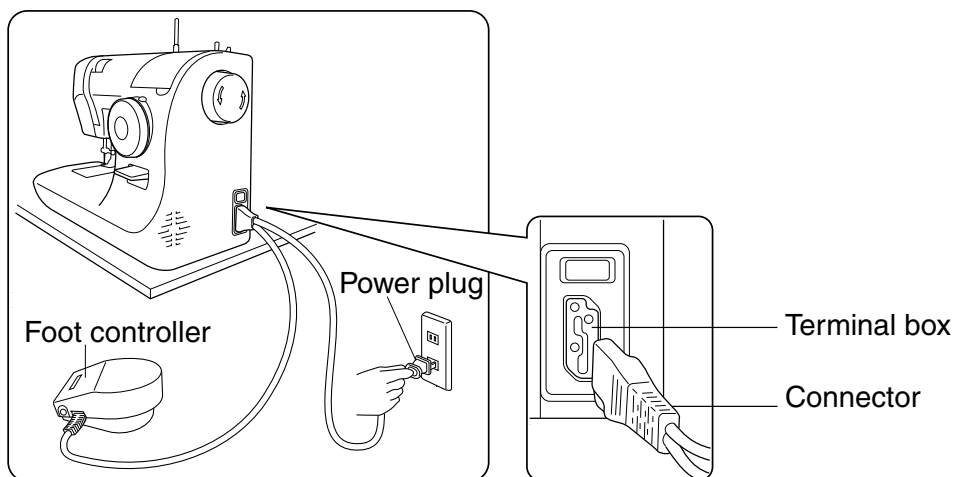


Do not touch the power plug with wet hands.
Doing so could cause an electric shock.



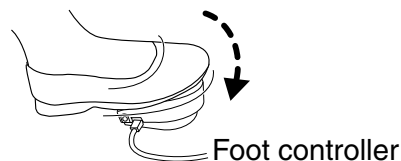
Pull the part of plug when removing the power plug.
Not doing so could damage the cord and cause an electric shock, fire or injury.

- 1** Prepare the foot controller.
- 2** Insert the power cord connector into the terminal box.
- 3** Insert the power plug into the outlet.
The power is turned on.



How to operate foot controller

Step on the foot controller to operate the sewing machine.
The more you press the foot controller, the faster the machine runs.
Release the foot controller to stop the machine.



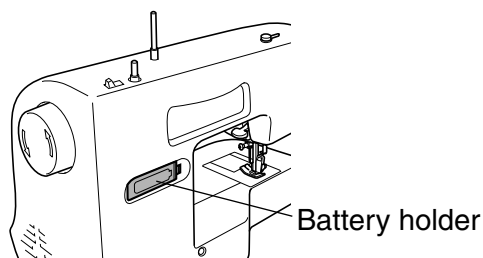
• Installation of battery for winding the lower thread

A battery is supplied as one of the accessories.

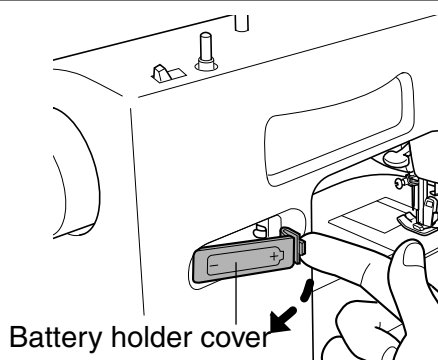
Before winding the lower thread, install it in the battery holder on back of sewing machine.

Attention

When the machine is not used for a extended period remove the battery.



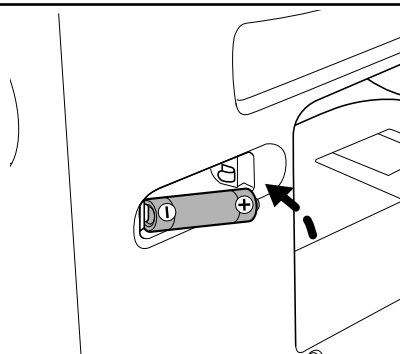
- 1 Pull the battery holder cover out as the arrow.



- 2 Install the battery while confirming polarity of it.

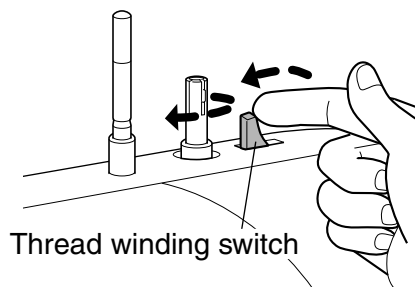
Attach battery holder cover.

Note: Refer to page 42, 43 when purchasing or changing batteries.



- 3 Make sure that the thread winding spindle rotates by turning the thread winding switch on by pushing in the direction of arrow.

Note: Thread winding spindle rotates while pushing the switch to the left.



• Winding the lower thread

The exclusive motor driven by a battery winds the lower thread.

⚠ Caution



Be careful not press foot controller when winding the lower thread.

Doing so could cause an injury.

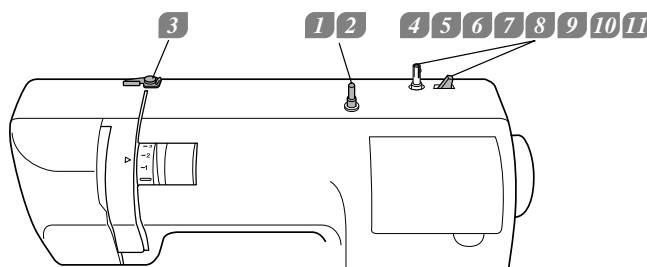


Do not touch the lower thread winding spindle when winding the lower thread.

Doing so could cause an injury.

Attention

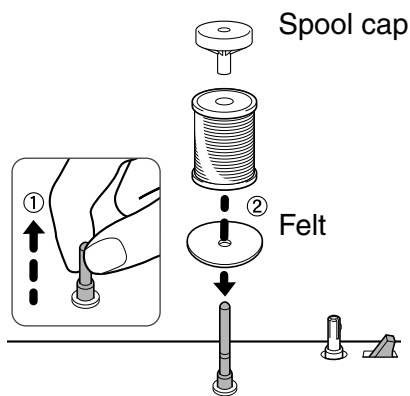
Use a TOYOTA-exclusive bobbin.



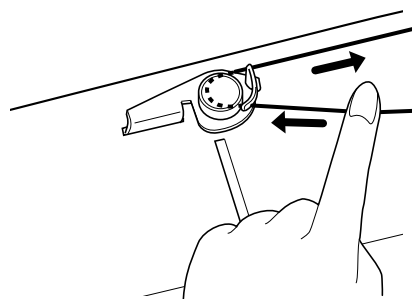
1 Pull up the spool pin.

2 Position the felt, the thread spool and the spool cap on to the spool pin.

Note: A felt was originally put on to the spool pin.

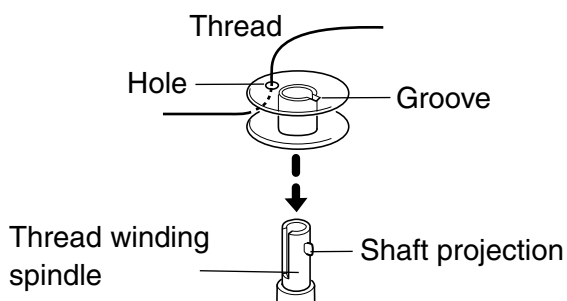


3 Pull the thread from the thread spool. Support the thread on the sewing machine with one hand, using the other hand pass the thread around the thread guide as shown in the diagram.



4 Pass the thread end through the hole of the bobbin as shown.

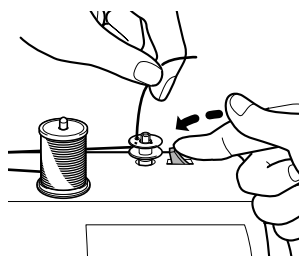
5 Place the bobbin on to the thread winding spindle so the groove will meet the shaft projection.



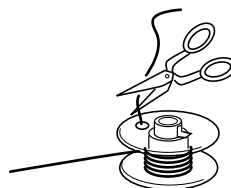
6 Hold the thread end and push the thread winding switch to the left and start winding.

7 After winding a little, release the thread winding switch to the right and stop winding.

Note: While pushing the winding switch to the left, thread winding spindle rotates.

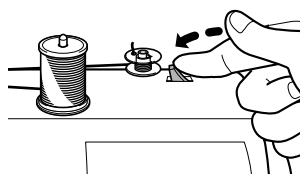


8 Cut extra thread above the bobbin hole.



9 Push the thread winding switch to the left again.

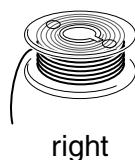
Wind the thread in the amount you need.



10 To stop winding, release the thread winding switch to the right.

Attention

Do not wind excessively, it causes sewing malfunction.



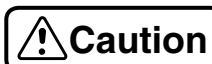
right



wrong

11 Remove the bobbin from the spindle. Cut the thread.

• Threading the lower thread



Caution

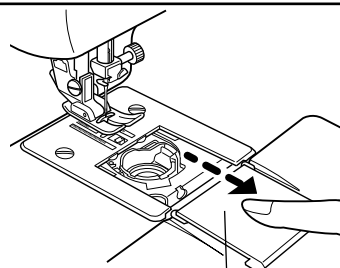


Remove the power plug from the outlet when setting the bobbin.

Not doing so could cause an injury.

- 1** Take off the bobbin case cover by sliding it towards yourself.

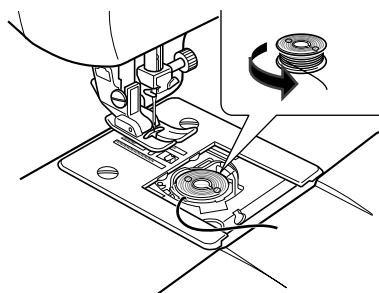
Pull bobbin case cover forward and lift to remove.



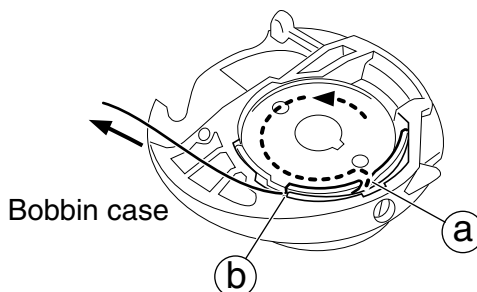
Bobbin case cover

- 2** Insert the bobbin into the bobbin case, so it rotates counterclockwise.

Note: Inserting the bobbin in the wrong direction causes irregular thread tension.



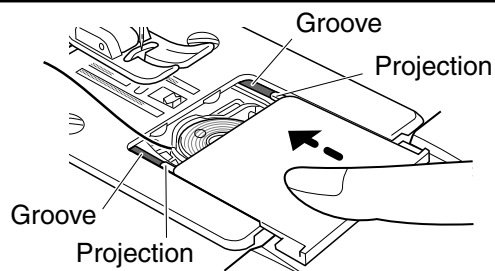
- 3** Pull the end of thread through the cut-out guide (a) to guide (b) of the bobbin case and pull out in direction of arrow.



Bobbin case

- 4** Pull back end of thread about 15cm.

Put bobbin case cover projections into the race retainer grooves and push closed.



• Threading the upper thread



Caution



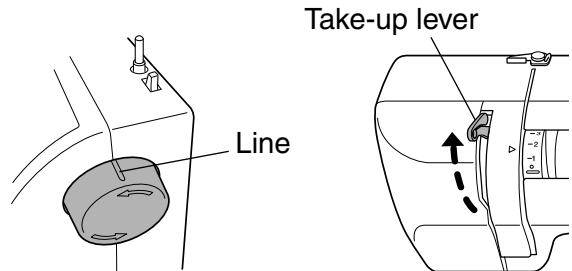
Remove the power plug from the outlet when threading the upper thread.

Not doing so could cause an injury.

1

Turn handwheel towards yourself to raise take-up lever.

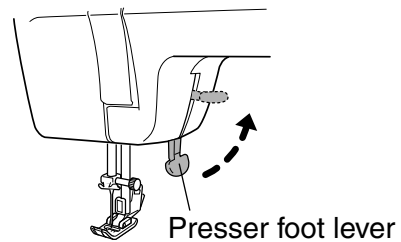
Line on handwheel should be up position. (12 o'clock)



2

Raise presser foot lever.

Note: If the presser foot lever is not raised, the thread can not be threaded correctly.



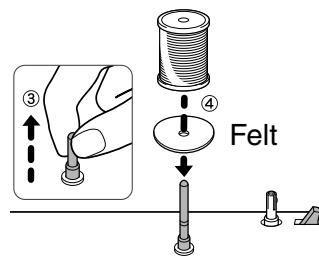
3

Pull up the spool pin.

4

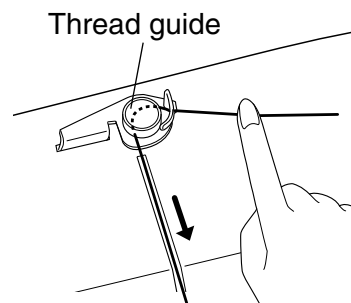
Position the felt and the thread spool.

Note: A felt was originally put on to the spool pin.



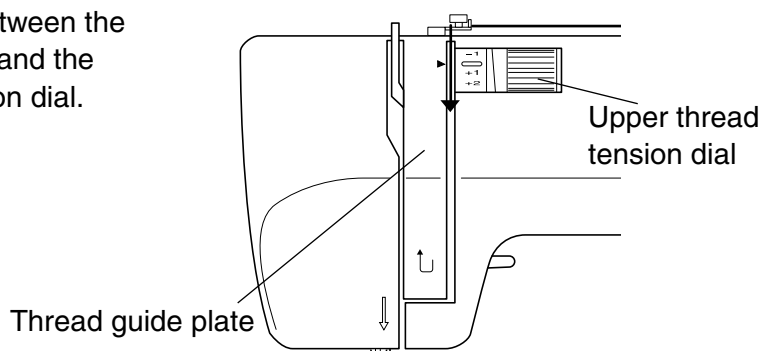
5

Pull the thread from thread spool. Support the thread on the sewing machine with one hand, using the other hand pass the thread around the thread guide as shown in the diagram.



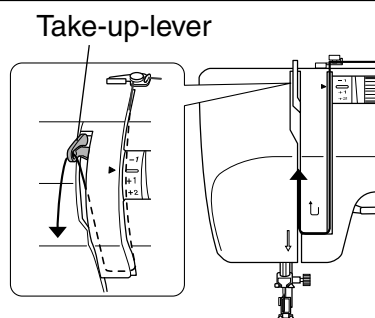
6

Pass the thread between the thread guide plate and the upper thread tension dial.



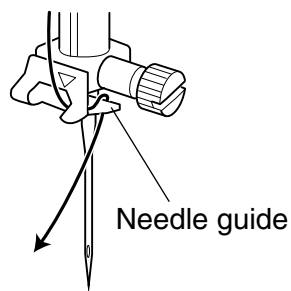
7

Pass the thread along the groove of the thread guide plate, as the arrow in the diagram. Pass the thread through the take-up lever.



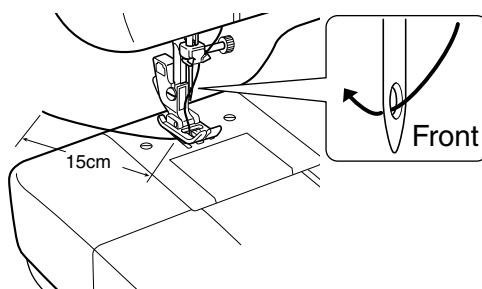
8

Pass the thread through the right side needle guide. Check that the thread is threaded correctly. Raise the presser foot and pull the upper thread towards yourself. The thread should pull out smoothly. Lower the presser foot and pull the upper thread towards yourself. It should be resistant and difficult to pull.



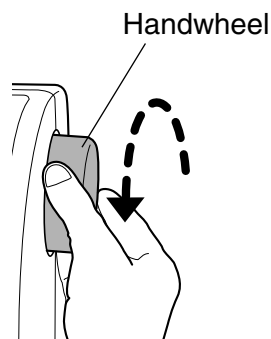
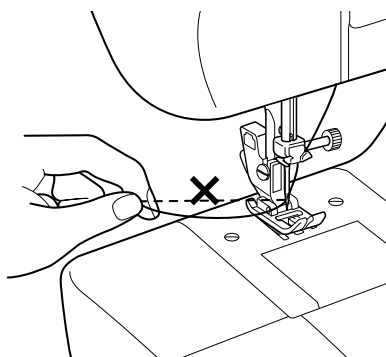
9

Pass the thread through the needle eye from the front. Pull back about 15 cm.



• Pulling up the lower thread

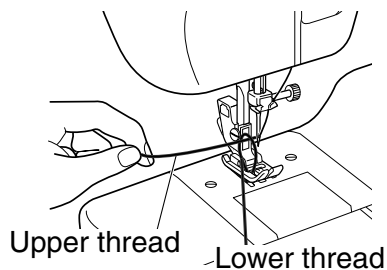
- 1** Hold the end of the thread, turn the handwheel towards yourself for one full turn, and stop when the needle is at its highest position.



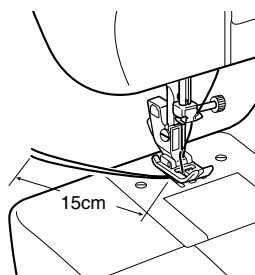
Note: Always turn the handwheel towards yourself (in the direction of the arrow). If you turn it in the wrong direction it could tangle the thread.

Note: If the thread is tight the lower thread will not come out, so hold the thread loosely.

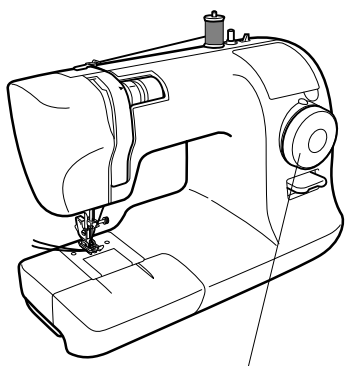
- 2** Pull up the upper thread and the loop of the lower thread will come out. Pull out this lower thread.



- 3** Align the upper thread and lower thread, and thread through the groove of the presser foot. Pull back about 15 cm.



• Application of each stitch pattern



Pattern selection dial

⚠ Caution



Don't turn the pattern selection dial while operating the sewing machine.
Doing so could cause an injury.

Turn the handwheel towards yourself to raise the needle in the highest position.
Turn the pattern selection dial to choose the pattern.

1 · 2 · 3 · 4 	Buttonhole	11 	Blind hem stitch
5 · 6 	Zigzag Applique Overcasting	12 	Scallop stitch
7 · 8 	Straight stitch Sewing-seams Zipper insertion	13 	Castle stitch
9 	Thin fabric straight stitch	14 	Decorative stitch Fagotting
10 	Mending stitch Thin fabric overcasting	15 	Decorative stitch Serpentine

• Changing the presser foot

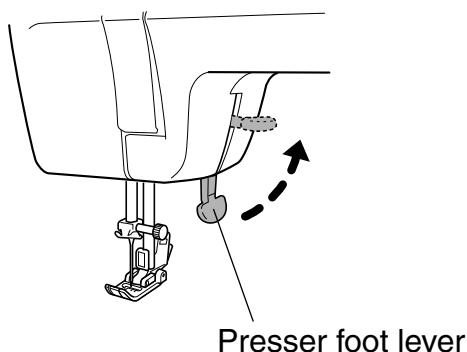
 **Caution**



Remove the power plug from the outlet when changing the presser foot.
Not doing so could cause an injury.

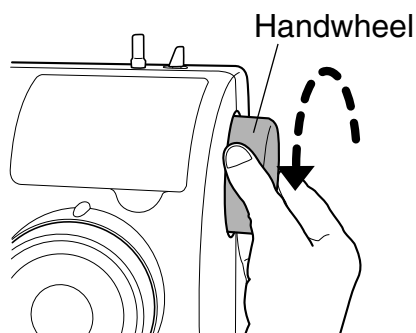
Removal

1 Raise the presser foot lever.

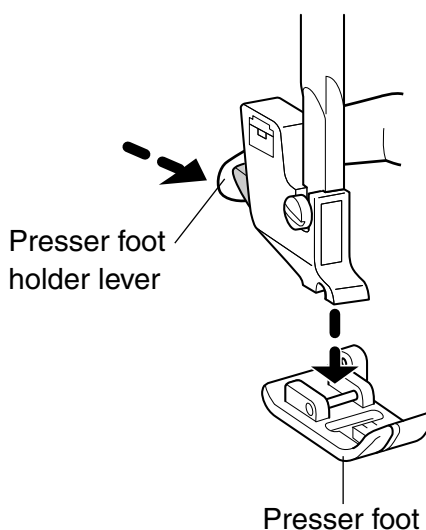


2 Turn the handwheel towards yourself to raise the needle.

Note: Never turn in the wrong direction.

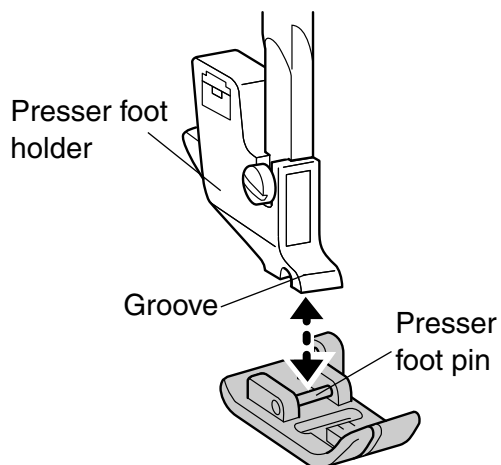


3 Press the presser foot holder lever in the direction of the arrow to release the presser foot.

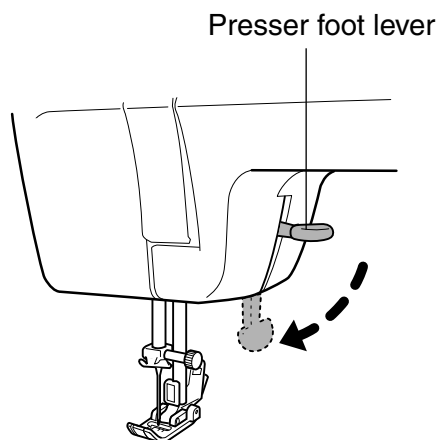


Installation

- 1 Position the presser foot pin directly below the groove in the presser foot holder.



- 2 Lower the presser foot lever to secure the presser foot.



* Sewing preparations

• Changing the needle

⚠ Caution



Remove the power plug from the outlet when changing the needle.

Not doing so could cause an injury.

Broken needles are dangerous. Be sure to dispose of them in a safe place away from children.

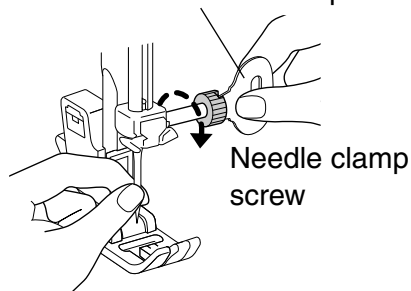
Not doing so could cause an injury.

1 Turn the handwheel towards yourself to raise the end of the needle higher than the needle plate.

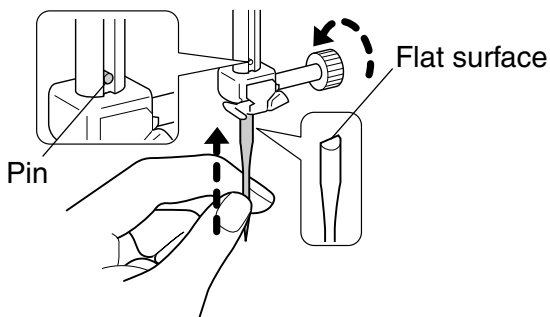
2 Hold the needle in one hand, loosen the needle clamp screw with the screw driver for the needle plate, and remove the needle.

Note: Do not remove the needle clamp screw. Loosen the needle clamp screw to remove the needle.

Screw driver for the needle plate

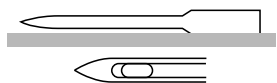


3 Face the flat surface of the needle to the rear and insert until it makes contact with the pin. Firmly tighten the needle clamp screw with the screw driver for the needle plate.



Correct needle selection

○ Good needle



If a faulty needle is used, not only could it impair the sewing performance, but it could also damage the needle plate or hook, or break the needle.

***Incorrect stitching or thread breaking, try replacing the needle.**

× Faulty needle



The entire needle is bent



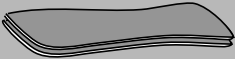



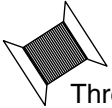

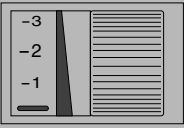
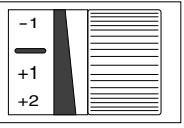
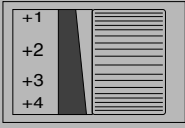
The point of the needle is crushed / worn away



The point of the needle is bent

• Relationship between the needle, thread and fabric, and adjusting the thread tension

The quality of the sewing finish will improve if the needle and thread are changed to match the type of fabric. Follow the directions in the table below.

		Sewing thin fabric 	Sewing normal fabric 	Sewing thick fabric 
Relationship between the needle, thread and fabric	 Needle	No. 75/11	No. 90/14	No. 100/16
	 Thread	Polyester No. 90 Cotton No. 80 to No. 120 Silk No. 80	Polyester No. 50 to No. 60 Cotton No. 60 to No. 80 Silk No. 50 to No. 80	Polyester No. 30 to No. 50 Cotton No. 40 to No. 50 Silk No. 50
	 Fabric	Normal back cloth Quipler Georgette Lawn Lace, etc.	Normal front cloth Broad Soft denim Satin Pile Gingham, etc.	Curtains Denim Quilting Fleece Tweed Felt, etc.
Adjusting the thread tension	Thread tension	 -1 ~ -3	 -	 +1 ~ +3

- Use a ball point needle for the sewing alignment of stretch fabric.
- Please purchase any needles not included as accessories, after checking they are specified as home-use sewing machine needles.
- Use the same kind of threads for upper/lower thread.
- The bigger the needle number is , the thicker the needle is, the bigger the thread number is, the thinner the thread is.

• Straight stitching and reverse sewing

⚠ Caution



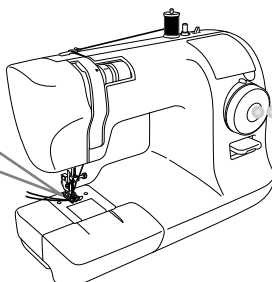
Do not pull the fabric excessively while sewing.
Doing so could break the needle and cause an injury.

Straight stitch

1 Turn the handwheel towards yourself to raise the needle.

2 Turn the pattern selection dial to choose the pattern.

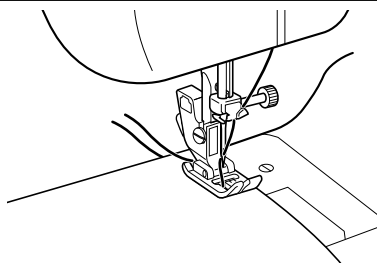
Zigzag sewing foot
(Originally attached to the sewing machine)



7	8	9
4.0	2.0	2.0 mm

3 Position the fabric and lower the presser foot lever.

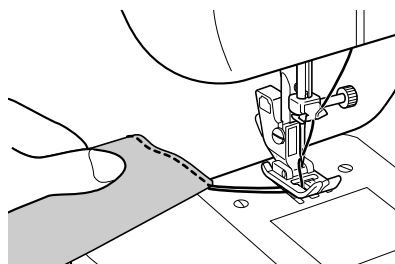
Step on the foot controller to begin sewing.



End of sewing

After sewing, turn handwheel towards yourself until the needle is in the highest position.

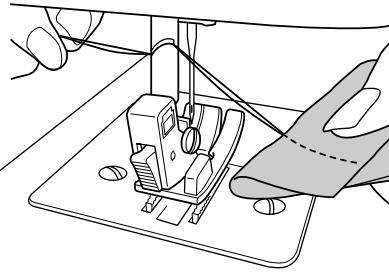
Raise the presser foot and pull out the fabric to the rear.



✿ Thread cutter on the presser bar ✿

Line up two threads and cut with the thread cutter on the presser bar.

Thread cutter



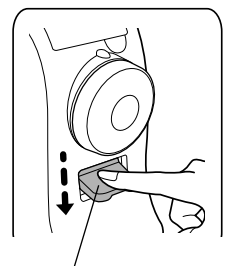
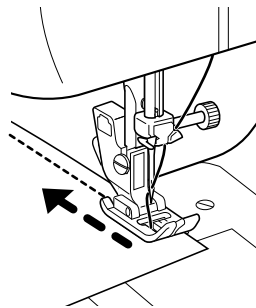
✿ Reverse sewing ✿

Reverse sewing is performed at the beginning and the end of sewing to prevent the thread from unraveling.

Reverse sewing is performed while pressing down the reverse sewing lever.

- Stitch 1 cm from the edge of the fabric to prevent unraveling at the start of sewing.
- Sew 3 to 4 reverse stitches at the end of sewing.

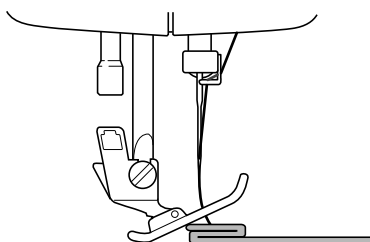
Note: Remove your finger from the reverse sewing lever to return to forward direction sewing.



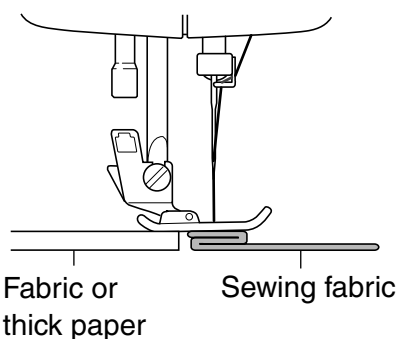
Reverse sewing lever

Sewing thick fabric

When sewing thick fabric from the edge, the presser foot may tilt and be unable to feed through the fabric.

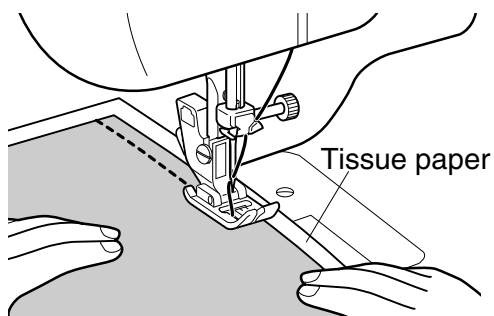


Place fabric or thick paper of the same thickness as the fabric you wish to sew under the presser foot. This will enable smooth sewing.



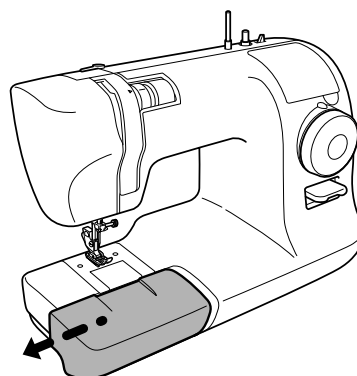
Sewing thin fabric

When sewing thin fabric, sometimes fabric puckers or is not fed correctly. At that time, sewing is easier if tissue paper is placed under the fabric. After sewing remove the paper carefully.

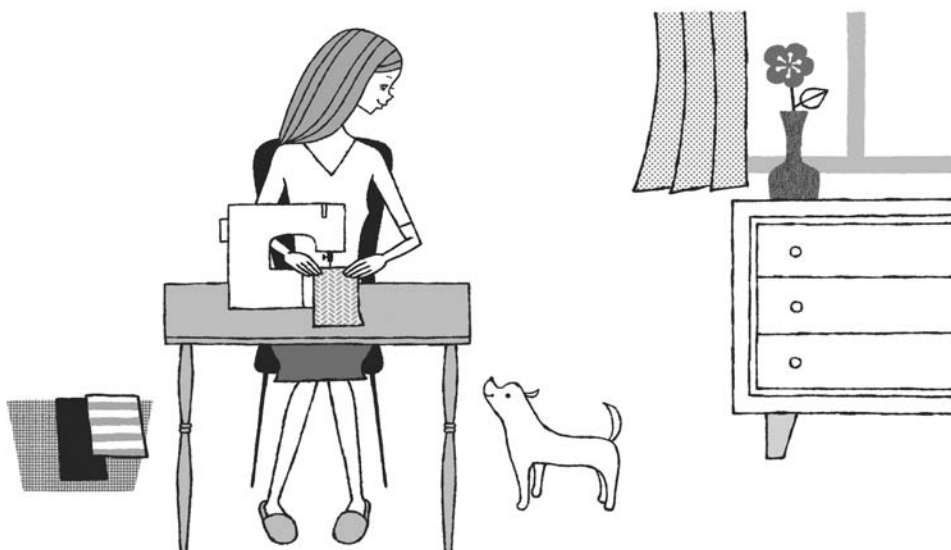
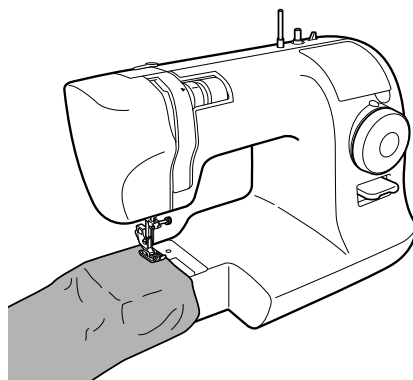


Sewing tube-shaped fabrics

- 1 Pull out the extension table (accessory box) in the direction of the arrow.



- 2 Sew tube-shaped fabrics such as trousers or sleeves, by pulling them over the machine free arm as shown in the diagram.



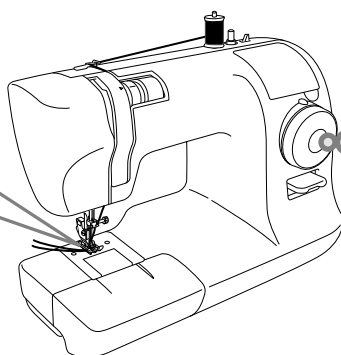
• Zigzag sewing

There are various zigzag applications, such as applique and overcasting.

1 Turn the handwheel towards yourself to raise the needle.

2 Turn the pattern selection dial to choose the pattern.

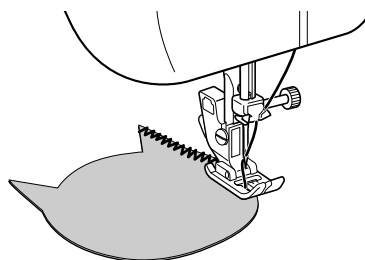
Zigzag sewing foot
(Originally
attached to the
sewing machine)



5	6
2.5	5.0mm

3 Position the fabric and lower the presser foot.

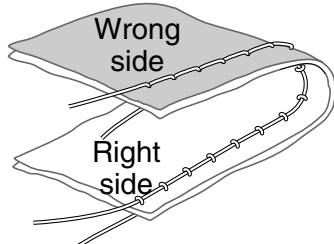
Step on the foot controller to begin sewing.



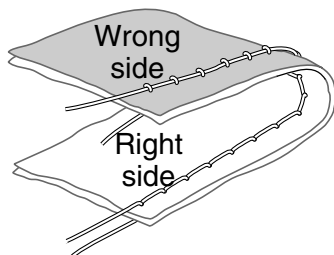
• Adjusting thread tension

Straight stitch

Upper thread is tight

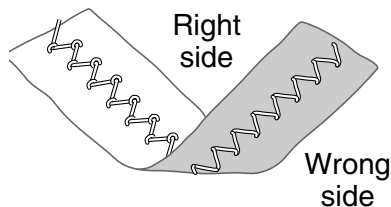


Upper thread is loose

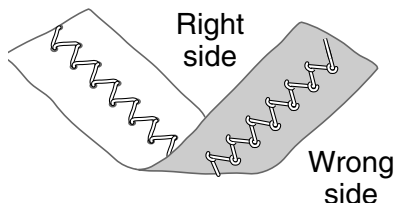


Zigzag sewing

Upper thread is tight

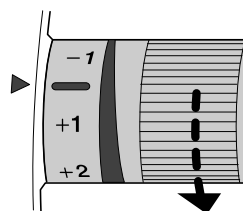


Upper thread is loose



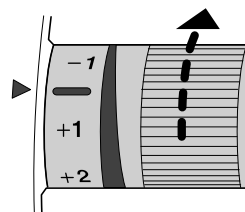
Adjustment method for upper thread tension

● Upper thread is tight



Lower the upper thread tension.

● Upper thread is loose



Increase the upper thread tension.

Note: If the tension does not change even when you adjust the upper thread tension, thread the upper thread and lower thread again.

• Buttonhole sewing

Buttonhole sewing to match the size of the button is possible.

For stretch fabric or thin fabric, it is recommended to use a stabilizer for a better buttonhole finish.

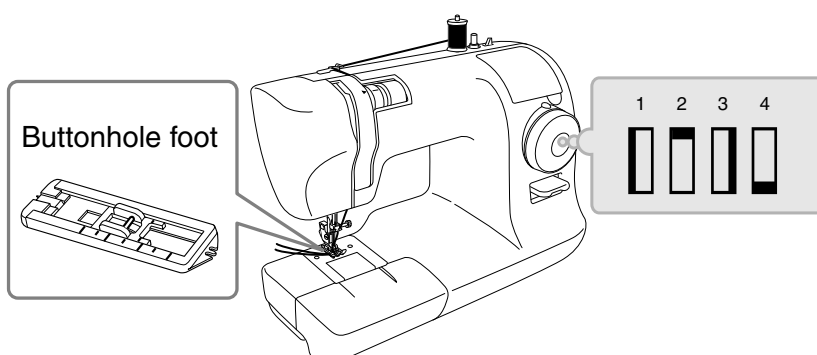
⚠ Caution



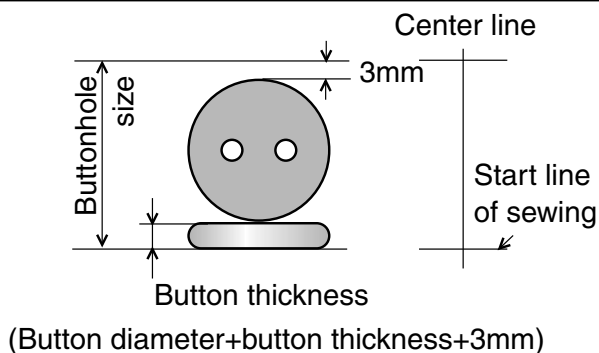
Remove the power plug from the outlet when changing the presser foot.

Not doing so could cause an injury.

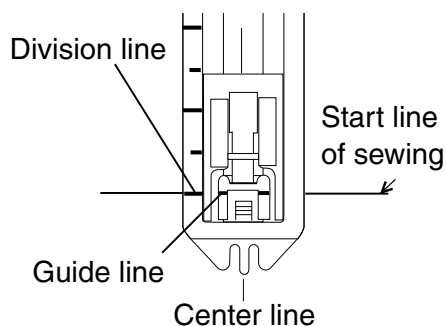
- 1 Change to the buttonhole foot.
(Refer to “Changing the presser foot”, p19.)



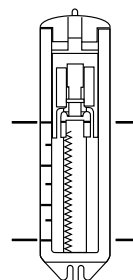
- 2 Set the buttonhole size and mark lines on the fabric.



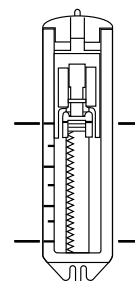
- 3 Align the buttonhole foot division line closest to you with the guide line, and lower the presser foot to the start line of sewing on the fabric.



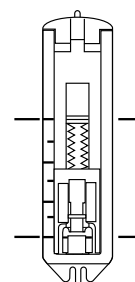
- 4** Raise the needle to the highest position, set the pattern dial to “1”, sew the left side and stop at the line marked on the fabric.



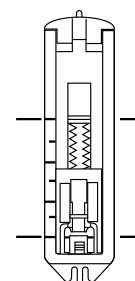
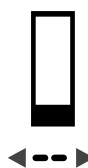
- 5** Raise the needle to the highest position, set the pattern dial to “2”, and sew 5 to 6 bar-tack stitches. “2” and “4” on the pattern selection dial use the same dial position.



- 6** Raise the needle to the highest position, set the pattern dial to “3”, sew the right side and stop at the line marked on the fabric.



- 7** Raise the needle to the highest position, set the pattern dial to “4”, and sew 5 to 6 bar-tack stitches.



⚠ Caution

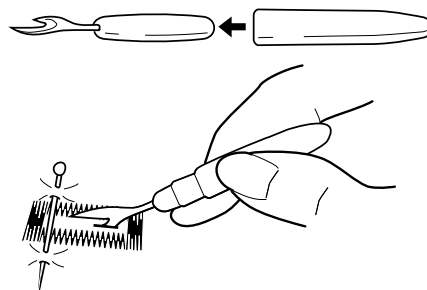


When using the buttonhole cutter to cut the buttonholes, do not hold the fabric in front of the cutter. Doing so could cause an injury to your hand.

8

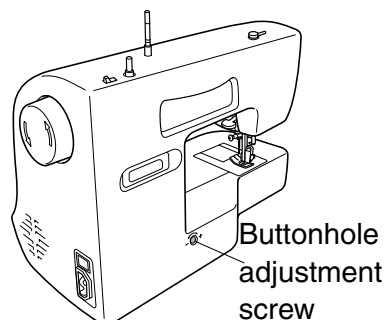
Use the buttonhole cutter to cut the center, making sure not to cut the stitches.

Note: If a marking pin is put in the bar-tack area it helps to prevent cutting the bar-tack with the buttonhole cutter.

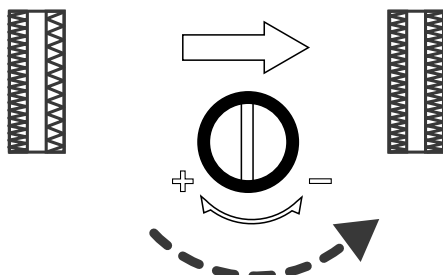


✿ Adjustment of buttonhole balance ✿

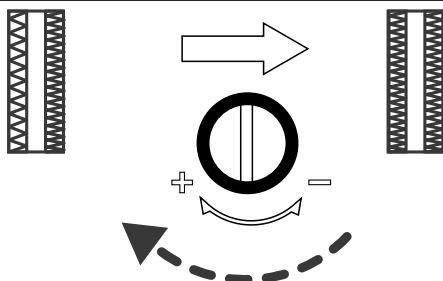
- Use the buttonhole adjustment screw to adjust the balance between the stitches (rear side).
 - Adjust by turning with the ⊖ screw driver of your own.
 - Don't turn the screw more than 90°.
- Note:** The original position of buttonhole adjustment screw may vary according to the model of machine.



If the stitches are loose on the right side of the buttonhole, turn slightly in the “-” direction.



If the stitches are loose on the left side of the buttonhole, turn slightly in the “+” direction.



• Overcasting

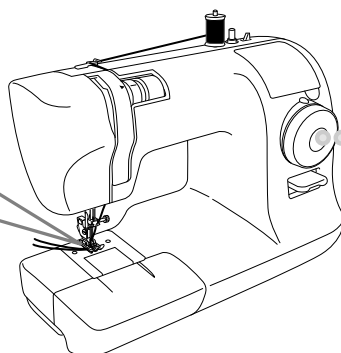
This is a sewing method that prevents unraveling at the edge of the fabric.

1

Select one pattern from No.5, No.6 and No.10.

Note: Select pattern No.10 when sewing thin fabric.

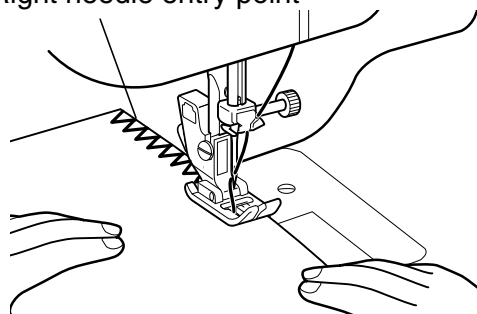
Zigzag sewing foot
(Originally attached to the sewing machine)



2

Position the fabric so that the right needle entry point at the edge of the fabric is slightly on the outside.

Right needle entry point



• Zipper insertion

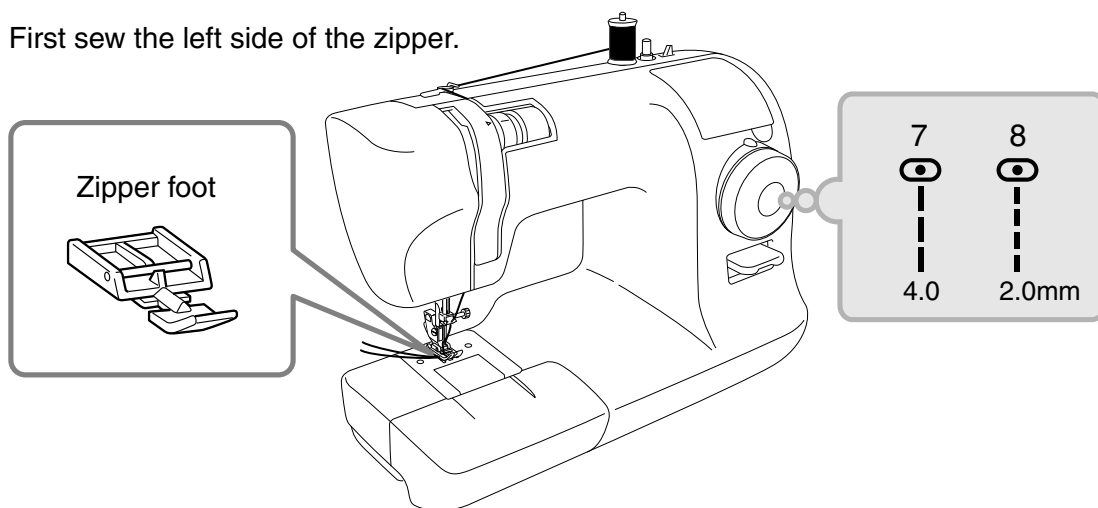
Caution



Remove the power plug from the outlet when changing the presser foot.

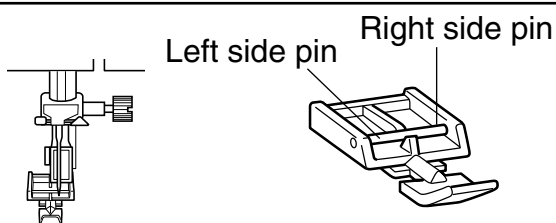
Not doing so could cause an injury.

First sew the left side of the zipper.

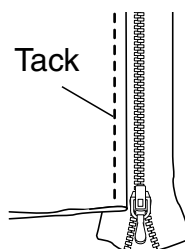


✳ Sewing the left side of the zipper ✳

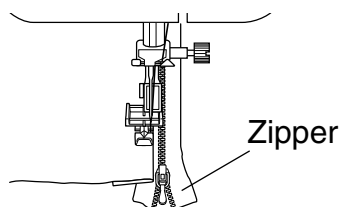
- 1 Set the right side pin of the zipper foot to the presser foot holder.



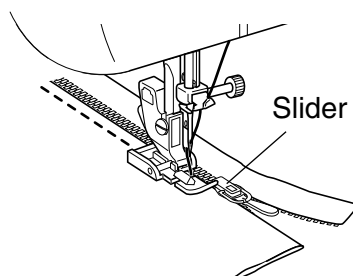
- 2 Align the zipper and the fabric, and tack.



- 3 Position the fabric so that the zipper is on the right side of the presser foot.



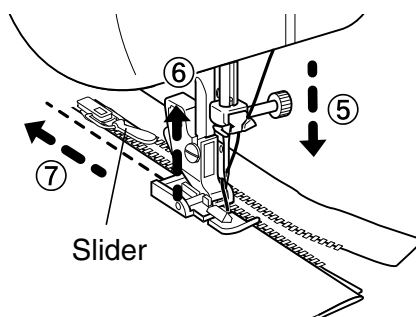
- 4 Sew until just before the presser foot makes contact with the slider, and then stop the sewing machine.



- 5 Turn the handwheel towards yourself to lower the needle into the fabric.

- 6 Raise the presser foot.

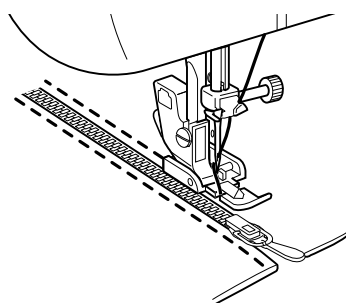
- 7 Move the slider to the rear of the presser foot, and finish the sewing.



Sewing the right side of the zipper

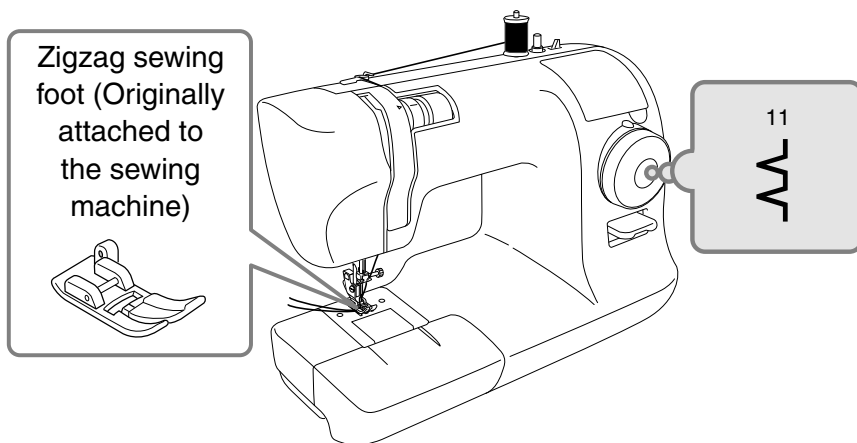
Release the presser foot and set to the left side pin.
Sew the right side of the zipper using the same procedures as for the left side.

Note: Sewing in the same direction as the left side will help prevent sewing misalignment.



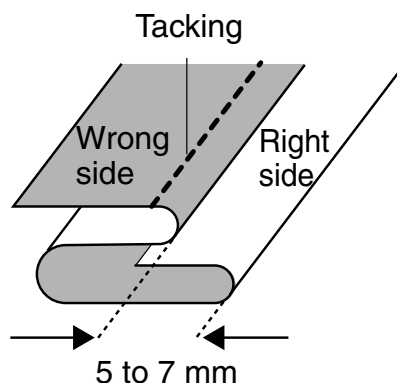
• Blind hem stitching

In this sewing method the stitch cannot be seen on the front of the fabric.



1 Fold back the cloth so that the folded area protrudes by about 5 to 7 mm.

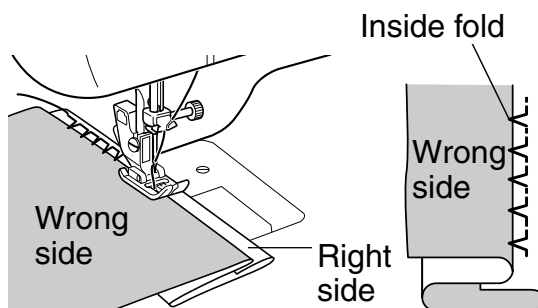
2 Iron and tack by hand.



3 Position the cloth so that the left side stitch catches 1 or 2 threads of the inside fold.

4 Lower the presser foot and start sewing. Sew evenly so that small stitches are evenly located on the right side.

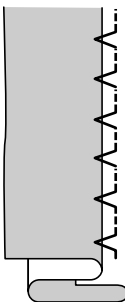
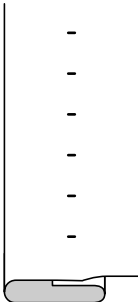
5 After sewing, pull out the tacking, open out the fabric.





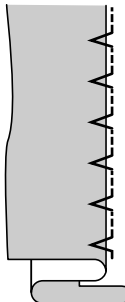

○

Balanced stitches

Wrong side	Right side
	
<p>Small stitches evenly located on right side.</p>	

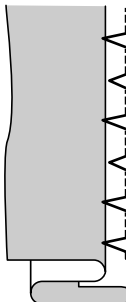
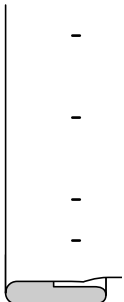
✗

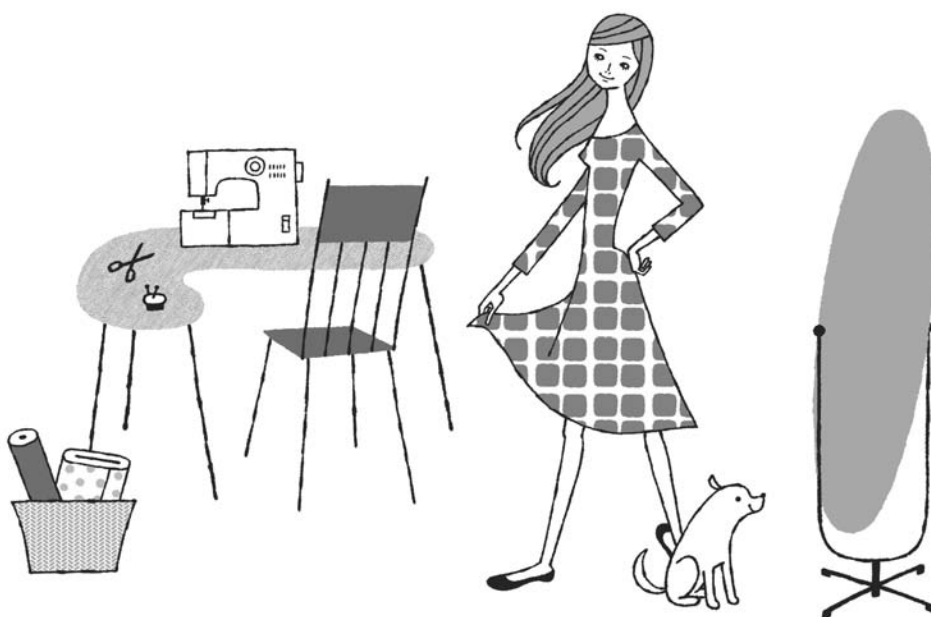
Needle catches too much on the fold

Wrong side	Right side
	
<p>Large stitches on right side.</p>	

✗

Needle does not catch on the fold

Wrong side	Right side
	
<p>The blind hem stitches do not come through</p>	



• Feed dog and hook maintenance

If the sewing machine makes a loud noise or rotates slowly, or there could be thread waste or dust in the hook or feed dog. Perform maintenance on the hook and the feed dog.

⚠ Caution



When cleaning the hook, disconnect the power plug.
Not doing so could cause an injury.

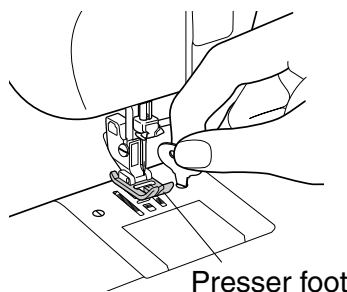
Attention

Do not use detergent, bleach, benzene, or thinner chemical cloths.
Doing so could cause discoloration or cracking.

Cleaning the feed dog and hook

1

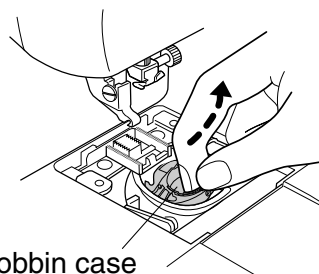
Remove presser foot and needle. Loosen screws of needle plate with screw driver for the needle plate and take off needle plate.



Presser foot

2

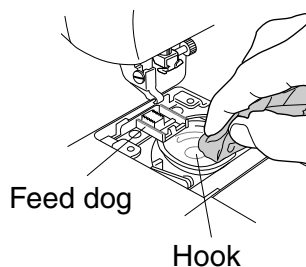
Lift bobbin case in the direction of the arrow and remove it.



Bobbin case

3

Brush off lint and dust on feed dog and hook, then clean it with a soft cloth. A vacuum cleaner wand or hose may be used to remove lint from this area.

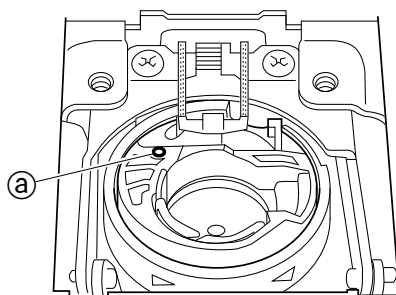


Feed dog

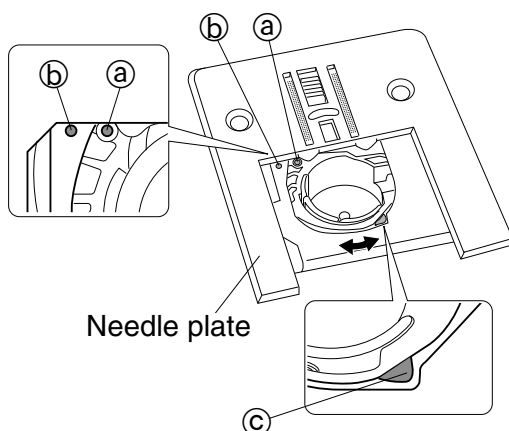
Hook

Attaching the Bobbin Case

- 1 Install the bobbin case from the front.
The red mark ① on the bobbin case should be in the position, as shown in the diagram.



- 2 Align the red mark ① and ②, and attach the needle plate with the projection ③ on the bobbin case positioned as shown in the diagram.



- 3 Make sure that bobbin case moves slightly from side to side as indicated by the arrow.

- 4 Tighten needle plate clamp screws.

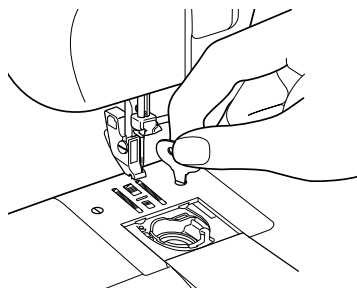
Turn the handwheel and see if hook moves smoothly.

When the bobbin case is attached incorrectly, the handwheel is heavy and does not turn smoothly.

At that time remove the needle plate and the bobbin case, attach them again.

Attach the needle and presser foot.

Make sure that the needle goes into the hole of needle plate correctly while turning the handwheel towards yourself.



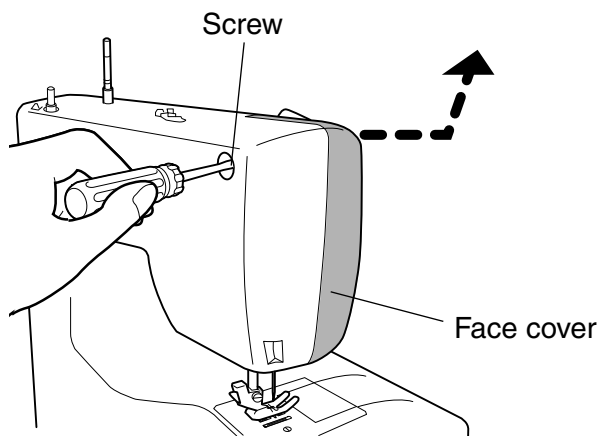
• Changing light bulb

Warning

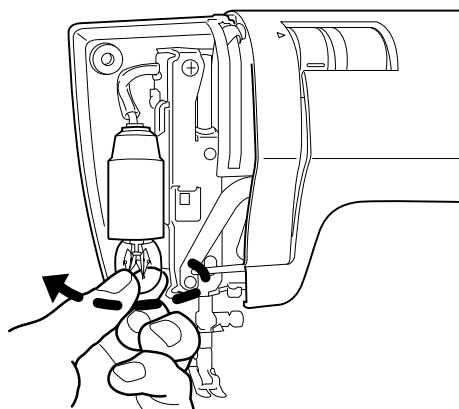


When changing the light bulb, disconnect the power plug and wait until the bulb cools. Not doing so could cause a burn or electric shock.

- 1 Loosen the screw with a “+” screw driver of your own, and take off the face cover in the direction of the arrow.



- 2 Turn the light bulb counterclockwise as the arrow in the diagram and remove.



- 3 Turn the new light bulb clockwise to install.

Note: Use a light bulb with a maximum power of 15 W.

- 4 Always reinstall the face cover after replacing the light bulb.

• Troubleshooting

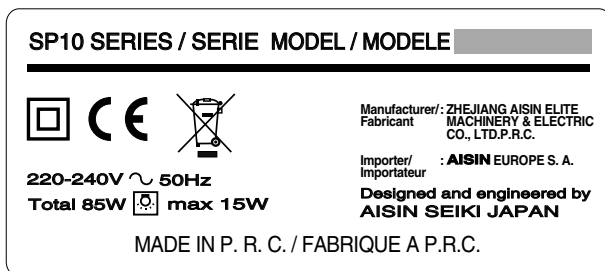
What is the problem? Check the following possibilities before contacting the service center for repair.

Trouble	Cause	Countermeasure	Page
Does not rotate Does not work	The power plug is not inserted	Connect the power plug correctly	10
	Thread is tangled in the hook, or there is a broken needle in the hook	Clean the hook	37
Loud noise Slow rotation	There is thread waste or dust in the hook or feed dog	Remove thread waste or dust	37
Broken needle	The needle is incorrectly installed	Install the needle correctly	21
	The needle clamp screw is loose	Firmly tighten the screw	21
	The needle is too fine for the cloth	Use a needle appropriate to the fabric	22
	The tension of the upper thread is too tight	Adjust the thread tension	28
	The fabric is being pulled too strongly	Do not pull the fabric strongly	23
	The bobbin case is not in the correct position	Put the bobbin case in the correct position	38
Broken upper thread	The upper and lower thread are not correctly threaded	Thread the upper and lower thread	14, 15
	The thread is tangled in the bobbin case or hook	Remove thread waste from the feed dog and hook	37
	The tension of the upper thread is too tight	Adjust the thread tension	28
	The needle is bent The point of the needle is burred	Use a good needle	21
Broken lower thread	The lower thread is incorrectly threaded	Thread the lower thread	14
Fabric not fed through	There is thread waste in the feed dog	Remove thread waste from the feed dog and hook	37
	The pattern selection dial is set to "2" or "4"	Set a correct pattern	18

Trouble	Cause	Countermeasure	Page
Missed stitches	The needle is incorrectly installed	Install the needle correctly	21
	The needle is bent	Use a straight needle	21
	The needle and thread are not appropriate for the fabric	Sew with a needle and thread appropriate to the fabric	22
	The upper thread is not correctly thread	Thread the upper thread correctly	15
The fabric wrinkles / puckers	The tension of the upper thread is too tight	Adjust the thread tension	28
	The upper and lower thread are not correctly thread	Thread the upper and lower thread again	14, 15
	The needle is too thick for the cloth	Use a needle appropriate to the fabric	22
	The needle is burred	Use a good needle	21
Too much lower thread showing on right side of the fabric	The lower thread is incorrectly threaded	Thread the lower thread again	14
	The tension of the upper thread is too tight	Adjust the thread tension	28
	The bobbin is not correctly inserted in the bobbin case	Insert the bobbin in the bobbin case correctly	14
Too much upper thread showing on wrong side of the fabric	The upper thread is not correctly threaded	Thread the upper thread correctly	15
	The tension of the upper thread is too loose	Adjust the thread tension	28
	The upper thread is not correctly threaded (not threaded through the thread guide)	Thread the upper thread correctly	15

If the above treatments do not solve the problem, contact the service center as described in your warranty.

When calling for service, please note the MODEL and SERIES that are inscribed on the back of your sewing machine.



✱ Maintenance / Others

• Servicing double-insulated products (230V-240V)

In a double-insulated product, two systems of insulation are provided instead of grounding. No grounding means are provided on a double-insulated product nor should a means for grounding be added to the product. Servicing a double-insulated product requires extreme care and should only be done by qualified service personnel with knowledge of the system under his or her responsibility. Replacement parts for a double-insulated product must be identical to those parts in the product. The symbol is marked on the double-insulated product.

✱ Others

• Safety precaution about the battery

Warning



If the alkaline solution from the battery should get in the eyes or come into contact with the skin or clothes, rinse with a large quantity of clean water and consult a doctor immediately.

Not doing so could cause an injury.

Caution



- 1. Do not short-circuit, disassemble, heat, recharge, deform, dispose of in fire.**
- 2. Do not insert batteries in reverse polarity.**
- 3. Do not expose batteries to strong impact by dropping or throwing the batteries.**

Doing so could cause a leakage of alkaline solution.

• Recycling



DO NOT THROW AWAY!

EU ONLY

We are committed to the protection of the environment. We strive to minimize the environmental impact of our products by continuously improving product design and our manufacturing methods.

At end of life please dispose of this product in an environmentally responsible way.

The crossed-out wheellie bin symbol featured above and on the product's data-plate means that this product falls under the scope of the E.U. "Waste Electrical and Electronic Equipment" (WEEE) directive and "Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment" (ROHS) directive and should not be disposed of with your household waste. At end of life, you must ensure that this product is disposed of in accordance with national and local legislation and that it is sorted as Category 2 "Small Domestic Appliances" WEEE. You may be liable under local and national laws for improper disposal of this product. Please consult the web, or a competent national or local body, for the return and collections systems available to you and the locations of your nearest recycling points. If you purchase a new product direct from us we will take your old product back, irrespective of the brand, if it is a like for like sale.

As an individual you can make a positive impact on reuse, recycling and other forms of recovery of WEEE. This will reduce use of landfill and minimize the environmental impact of the products you use.

Hazardous substances in electronic and electrical products can have a harmful impact on human health and on the environment.

• Specifications

Model	SP10 series
Hook type	Horizontal
Needle	Home-use sewing machine needle (HA-1)
Bobbin	TOYOTA-exclusive plastic bobbin
Maximum stitch length	4 mm
Maximum stitch width	5 mm
Standard needle position	Center standard, left standard
Sewing machine weight (main unit)	6.3 kg
Sewing machine size	Width: 412 mm Depth: 192 mm Height: 292 mm
Rated voltage	220 - 240 V ~
Rated frequency	50 Hz
Rated power consumption	85 W
Light bulb	15 W
Battery	Alkaline 1.5 V, Mignon/AA/LR6

If you have any queries about this TOYOTA sewing machine, check the warranty for details.



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