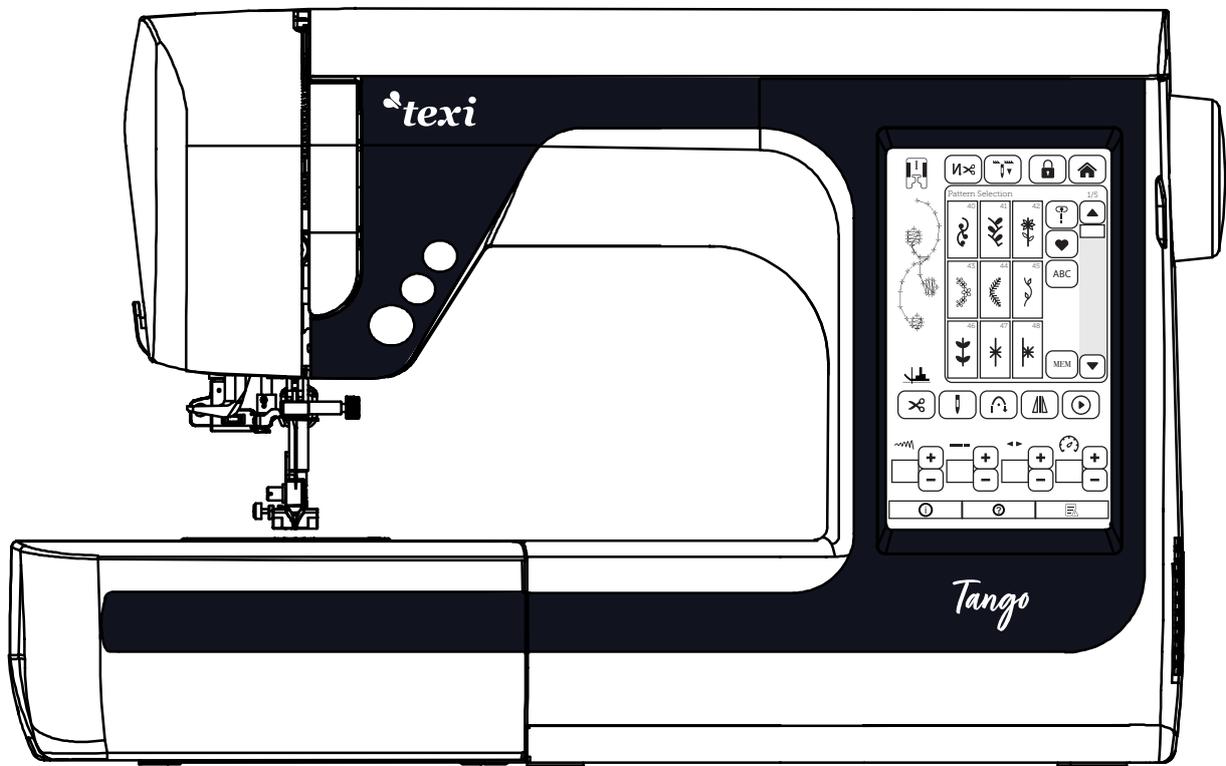


**texi**®

Culture of Sewing



Model Texi Tango



“IMPORTANT SAFETY INSTRUCTIONS”

When using an electrical appliance, basic safety precautions should always be followed, including the following: Read all instructions before using this sewing machine.

“DANGER __ To reduce the risk of electric shock:”

1. The appliance should never be left unattended when plugged in.
2. Always unplug this appliance from the electric outlet immediately after using and before cleaning.

“WARNING __ To reduce the risk of burns, fire, electric shock, or injury to persons:”

1. Do not allow this appliance to be used as a toy. Close attention is necessary when this appliance is used by or near children. 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.
2. Use this appliance only for its intended use as described in this manual. Use only attachments recommended by the manufacturer as contained in this manual.
3. Never operate this appliance if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. Return the appliance to the nearest authorized dealer or service center for examination, repair, electrical or mechanical adjustment.
4. Never operate the appliance with any air openings blocked. Keep ventilation openings of the sewing machine and foot control free from the accumulation of lint, dust, and loose cloth.
5. Keep fingers away from all moving parts. Special care is required around the sewing machine needle.
6. Always use the proper stitch plate. The wrong plate can cause the needle to break.
7. Do not use bent needles.
8. Do not pull or push fabric while stitching. It may deflect the needle causing it to break.
9. Switch the sewing machine off “O” when making any adjustments in the needle area, such as threading needle, changing needle, threading bobbin, or changing presser foot.
10. Always unplug the machine from the electrical outlet when removing covers, when lubricating or when making any other user servicing adjustments mentioned in the instruction manual.
11. Never drop or insert any object into any opening.
12. Do not use outdoors.
13. Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
14. To disconnect, turn all controls to the off “O” position, then remove plug from outlet.
15. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
16. Basically, the machine should be disconnected from the electricity supply when not in use.
17. If the power cord of this appliance is damaged it must be replaced with a special cord by your nearest authorized dealer or service center.
18. (Except USA/Canada) This machine is provided with double insulation. Use only identical replacement parts. See instructions for servicing Double-Insulated machine.

“SERVICING DOUBLE-INSULATED PRODUCTS”

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

The symbol  may also be marked on the product.

“SAVE THESE INSTRUCTIONS”

This sewing machine is intended for household use only.”

Congratulations on your purchase of a STRIMA sewing machine.

Please be sure to read safety precautions in “To use the sewing machine safely” in the Instruction Manual before use to fully understand the functions and operating procedures of the sewing machine so as to

use the sewing machine for a long time.

After you have read the Instruction Manual, please be sure to keep it together with the warranty so that you can read it whenever necessary.

To use the sewing machine safely

Marks and pictographs included in the Instruction Manual and shown on the sewing machine are used so as to ensure safe operation of the sewing machine and to prevent possible risk of injury to the user

and other people.

Warning marks are used for different purposes as described below.

 WARNING	Indicates that there is a possible risk of death or serious injury if this mark is ignored and the sewing machine is used in a wrong manner.
 CAUTION	Indicates the operation, etc. which can cause a possible risk of personal injury and/or physical damage if this mark is ignored and the sewing machine is used in a wrong manner.

Pictographs mean the following:

	Danger warning which is not specified		There is a risk of electrical shock		There is a risk of fire		There is a risk of injury to hands, etc.
	Prohibited matter which is not specified		Disassembly/alteration is prohibited		Do not place fingers under the needle		Do not pour oil, etc.
	Generally required behavior		Disconnect the power plug				

WARNING

For the combination of the material and the thread and needle, in particular, refer to the explanation table in "Replacement of the needle".

If the needle or thread does not match the material used such as in the case that an extra heavy-weight material (e.g., denim) is sewn with a thin needle (#11 or higher), the needle can break resulting in an unexpected personal injury.

Other precautions

- Do not put the sewing machine under the direct sunlight or in a humid place.



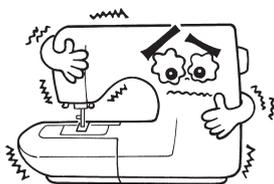
- Do not wipe the sewing machine with solvent such as thinner.

When the sewing machine is soiled, put a small quantity of neutral detergent on a piece of soft cloth and carefully wipe off the sewing machine with it.



Be aware that the following state can take place since the sewing machine incorporates semi-conductor electronic parts and precise electronic circuits.

- Be sure to use the sewing machine in the temperature range from 5°C to 40°C. If the temperature is excessively low, the machine can fail to operate normally.



- This sewing machine will stop due to safety mechanism to prevent the machine from overheating, when it sews slowly and for a long time. In this event, Start and Stop button will not light.

The sewing machine will return to working condition after about 10 minutes.



* The operating temperature of the sewing machine is between 5°C and 40°C. Do not use the sewing machine under the direct sunlight, near the burning things such as a stove and candle, or in a humid place. By so doing, the temperature in the interior portion of the sewing machine can rise or the coating of the power cord can melt, causing fire or electrical shock.

CONTENTS

Important safety instructions	1
Principal parts	6
Accessories	7

Basic operations

Function of operational buttons	8
Connecting to the power supply	9
Speed control & Presser foot lifting lever	10
Changing the presser foot	11
Function operational buttons	12
Bobbin thread preparation	13
Setting the bobbin	14
Needle thread preparation	15
Attaching the needle	17
Fabric, thread and needle table	17
How to adjust thread tension	18
How to lower feed dog	18
Sewing function screen	19
Names and specific functions of operation buttons	20
Straight stitch	26
Zigzag stitch	28
Overcasting stitch	29

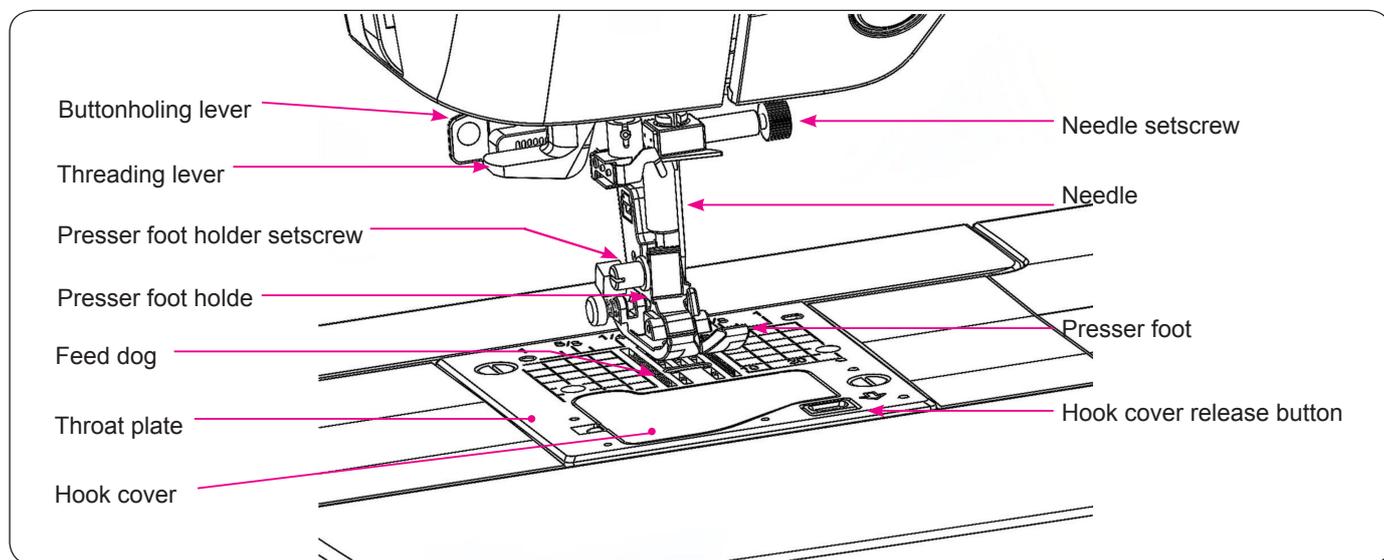
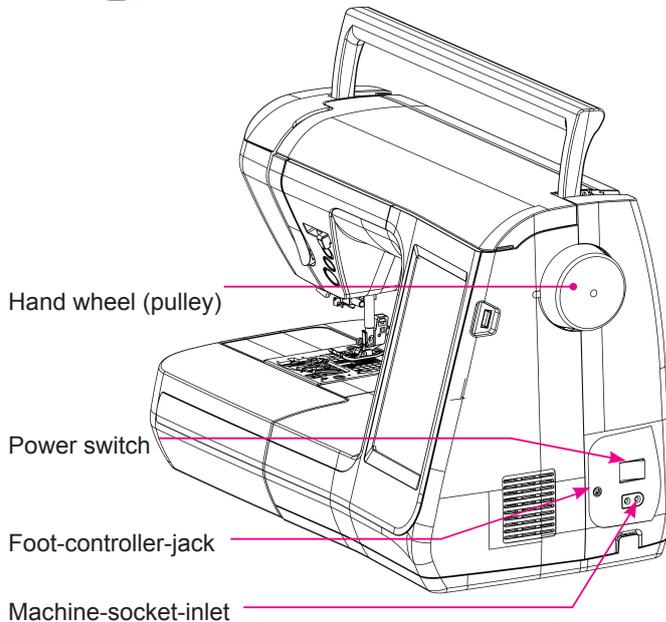
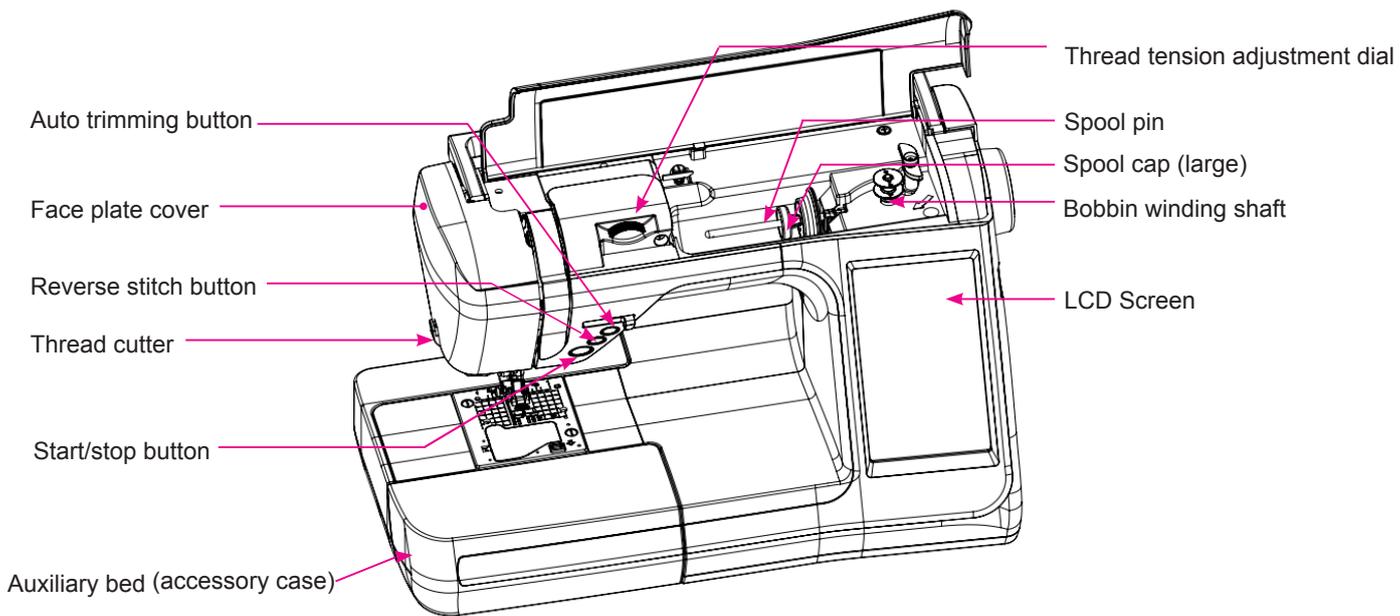
Machine Maintenance

Performance check list

List of stitch patterns.....

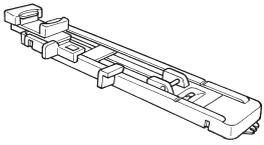
Specifications list

Principal parts



Accessories

• Inside the auxiliary bed.



Buttonhole presser foot (E)



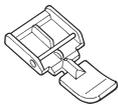
Manual buttonhole presser foot (I)



Overcasting presser foot (C)



Blind stitch presser foot (D)



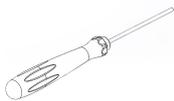
Zipper presser foot (B)



Bobbin (3)



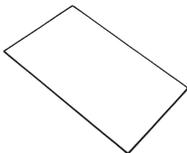
Ripper / Cleaning brush



screwdriver

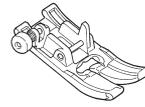


Spool cap (Small)



Needle set

• Supplied with the machine



Standard presser foot (A)



Bobbin (1)

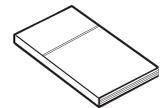


Spool cap (large)

• Placed at styrofoam



Foot Controller

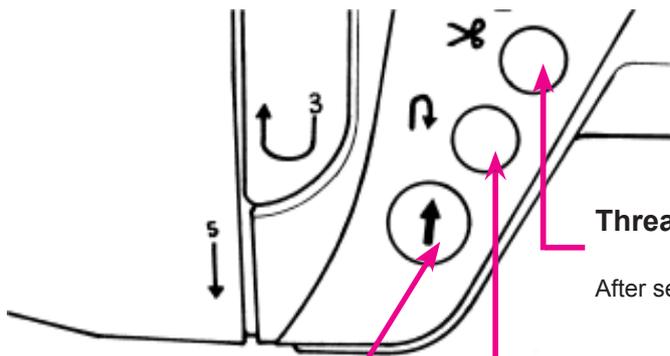


Instruction manual



Power cord

Function of operational buttons



Start/stop button

When pressing this button, machine starts to sew slowly and then up to the speed set by speed controller. When pressing this button again, machine stops with needle at its down position. Color of button indicates machine status.

Green: Ready to start and/or while sewing

Red: Not ready to start (When it is pushed in red condition, needle moves by one stitch.)

Orange: Machine is in bobbin winding condition.

Reverse stitch button

While pressing this button, machine sews reverse (lock stitch).

Thread trimming button

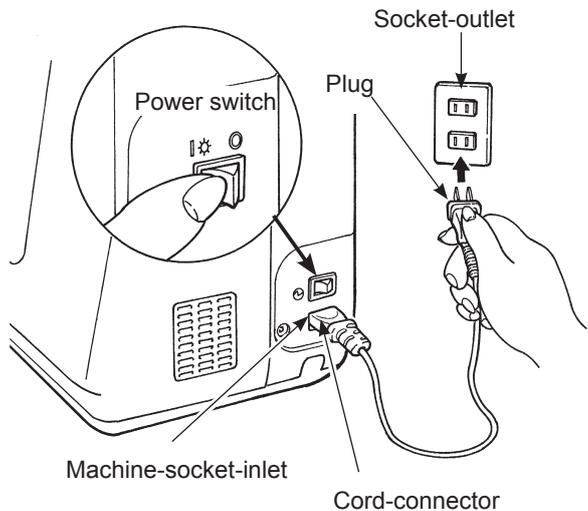
After sewing, press this button to trim both threads automatically.

Notes for thread trimming:

1. Do not use thread thicker than No.30.
2. After trimming, the stitch can be done without pulling up bobbin thread.
3. When sewing again after thread trimming, if you pull up the bobbin thread again and place it underneath the presser foot together with needle thread, you can avoid birds nest on the wrong side of the fabric.
4. Regularly clean the machine (refer to page 49), as dust in the area of the thread trimming unit may cause malfunction.

Connecting to the power supply

 Warning	<p>Disconnect the plug and turn off the power switch (turn to "O") that always sewing machine is not to use. Otherwise, it may cause electric shock and/or fire.</p>
--	--

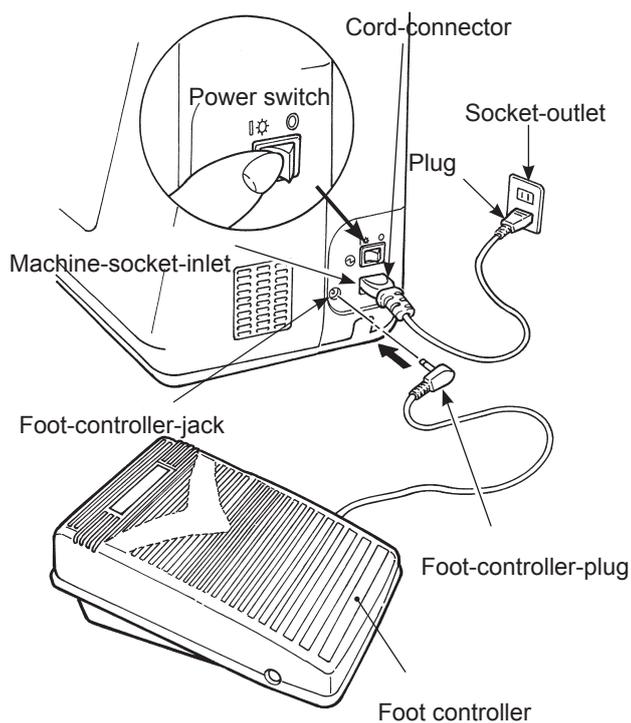


Not-using foot-controller that using start/stop-button:

1. Turn OFF the power switch (turn to "O")
2. Insert cord-connector into machine-socket-inlet.
3. Insert plug into socket-outlet.
4. Turn ON the power switch. (Turn to "I")

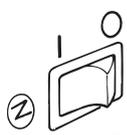
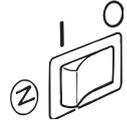
★ Using the foot-controller:

1. Turn OFF the power switch (turn to "O")
 2. Insert the foot-controller-plug into the foot-controller-jack.
 3. Insert cord-connector into machine-socket-inlet.
 4. Insert plug into socket-outlet.
 5. Turn ON the power switch. (Turn to "I")
- * When the foot controller is plugged in, the start/stop button cannot be used to start sewing.

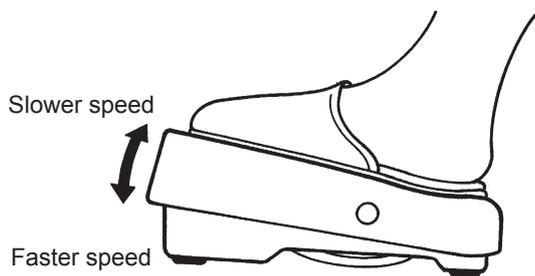


Start button: Can not operate to start sewing.

Stop button: Can operate to stop sewing.

 ON	<p>★ Operating power switch:</p> <p>Turn OFF the machine, set the power switch to "O".</p>
 OFF	<p>Turn ON the machine, set the power switch to "I".</p>

Speed control



★ Foot controller

To run the machine, press the foot controller.
The harder you press, the faster the machine sews.
Speed controller will set the maximum sewing speed.

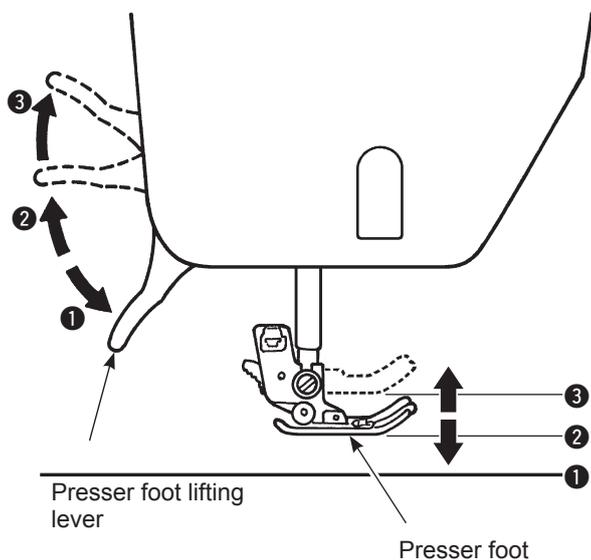
Pressing harder → faster speed

Pressing weaker → slower speed

* Always clean the foot controller.

It is important that you do not place any objects on the foot controller as it may cause injury to the user and may cause malfunctions.

Presser foot lifting lever



The presser foot can be up or down position by using the presser foot lifting lever.

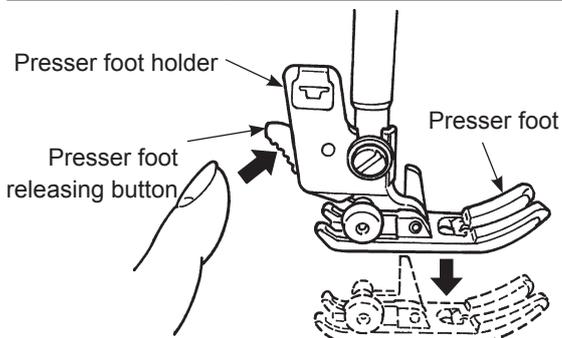
- ❶ Lowered position Presser foot should be lowered when sewing.
- ❷ Ordinary lift position This position is used for fabric removal and/or changing the presser foot.
- ❸ Extra lift position This position is used to put heavy materials underneath the presser foot.

* Be careful that the presser foot and the needle should not interfere when the needle is in down position and the presser foot is raised to the extra lift position.

Changing the presser foot

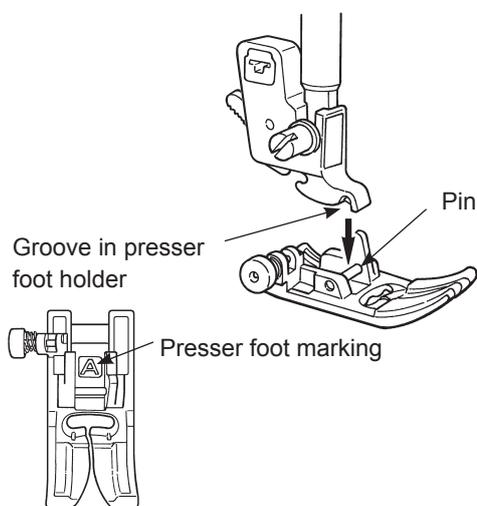
■ Removing and installing the presser foot

	Attention Turn OFF the power switch before replacing the presser foot.
---	---



★ Removing presser foot

1. Raise the needle and presser foot.
2. Press the presser foot releasing button to remove the presser foot.



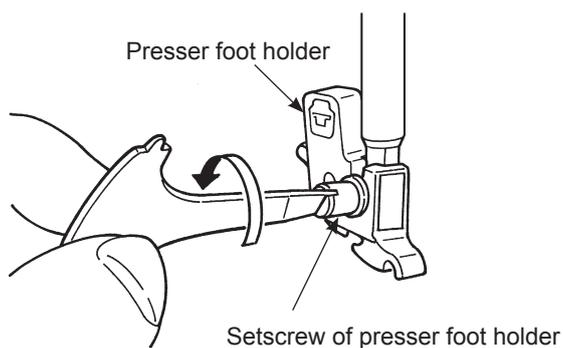
★ Installing presser foot

Align the pin of the presser foot and the groove in the presser foot holder.

Then lower the presser foot holder with the presser foot lifting lever.

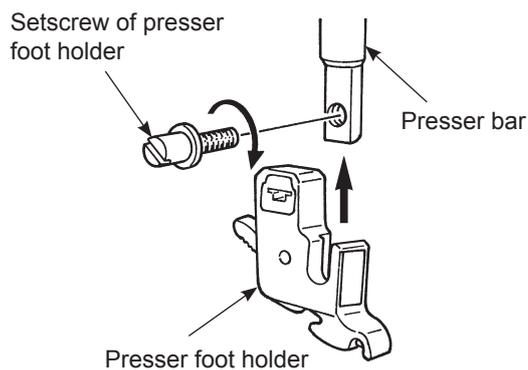
* Each presser foot has a marking. Use the appropriate presser foot for the stitch pattern to be sewn.

■ Removing and installing presser foot holder



★ Removing presser foot holder :

1. Lift the needle and presser foot lifting lever.
2. Loosen the setscrew of the presser foot holder to the left and remove the presser foot holder.



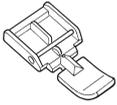
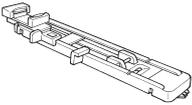
★ Installing presser foot holder :

Align the screw hole at the presser bar with the hole of presser foot holder (long groove). Tighten the setscrew firmly by turning it to the right side.

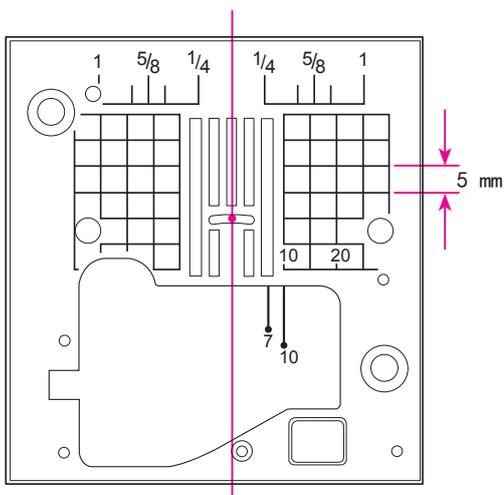
■ The type and application of the presser foot

Marking of presser foot



	Standard presser foot	A	This is used mainly for straight stitch and zigzag stitches. Use this presser foot especially when sewing heavy-weight materials.
	Zipper presser foot	B	This is used to attach zippers.
	Overcasting presser foot	C	This presser foot is used exclusively for overcasting to prevent the cut edge of fabrics from fraying.
	Blind stitch presser foot	D	This presser foot is used for blind stitch on hems of trousers and skirts, or sleeves.
	Buttonhole presser foot	E	This presser foot is used for automatic buttonholing.
	Manual buttonhole presser foot	I	This is used for sewing decorative stitches, letters and bartacks.

★ On center needle position basis



Align the fabric edge with a seam guide line and sew.

* Numbers on the guide line show the distance in mm and inches between the center needle position and the guide line.

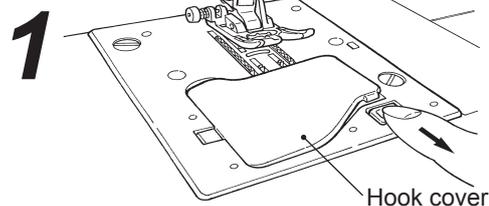
Numbers, 7, 10 and 20 are millimeter.

Numbers, 1/4, 5/8 and 1 are inches.

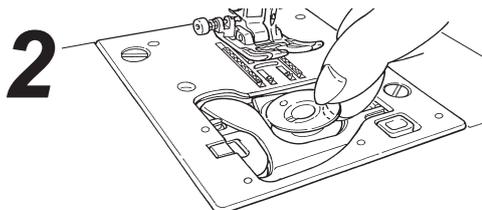
Bobbin thread preparation

Attention Turn OFF the power switch before the bobbin is taking out and/or put into the bobbin case.

■ Taking out the bobbin



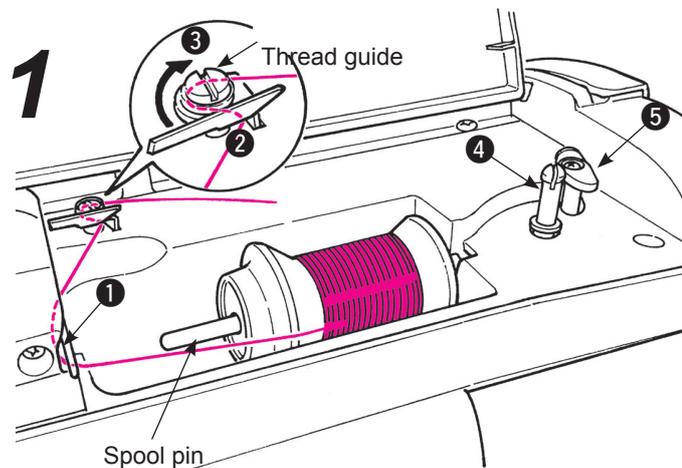
● Open the hook cover.



● Take out the bobbin.

- * If the bobbin has too little thread, do not use it as the thread will get tangled.
- * Use only the designated bobbin. Other bobbins may cause malfunction.

■ Winding the bobbin thread

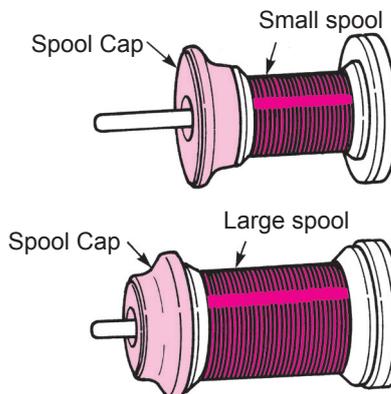


● Thread the guide ①, then thread the thread guides ② and ③ (guides in the circle) for bobbin winding.



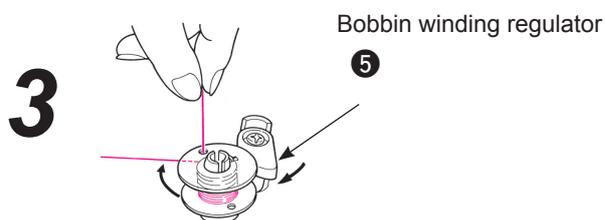
● Set the bobbin on the bobbin winding shaft ④.

■ Setting thread spool

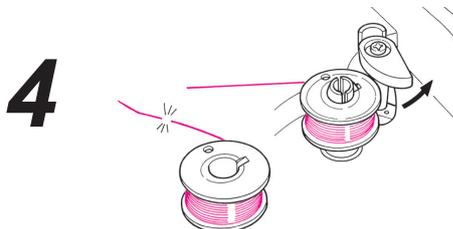


● Place a thread spool to spool pin and a spool cap onto the spool pin.

- * Do not use the thread cone with a small amount of thread. This may cause thread tangling and/or the thread coming out of the eye of the needle when starting to sew.



● Press the bobbin winding regulator ⑤ towards the bobbin. Start/stop button now becomes orange. When start/stop button is pressed, machine starts to wind the bobbin thread.

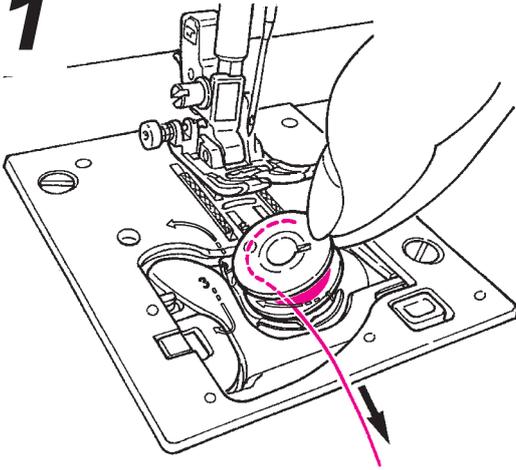


When winding is finished, the shaft stops automatically, the bobbin winding regulator moves to right and return to the original position.

- Remove the bobbin from the bobbin winding shaft and cut the thread.
- * Bobbin winding will automatically stop even while winding, when the winding speed is reduced due to a load to the bobbin winding motor caused by thread tangling.

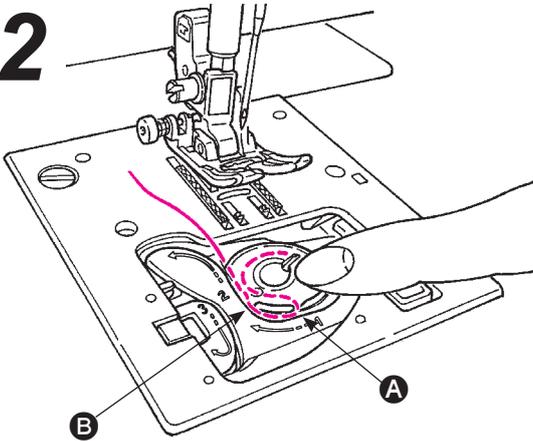
■ Setting the bobbin

1



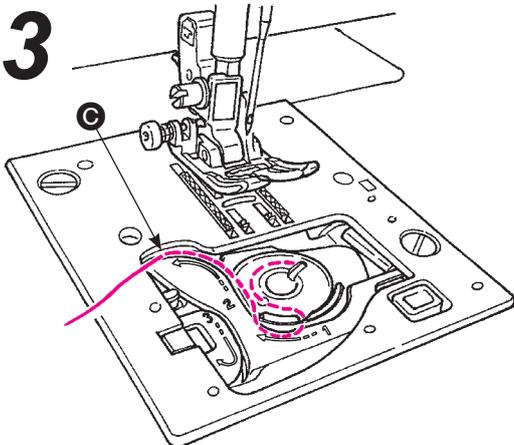
- Put the bobbin in the bobbin case.
* Place the bobbin so that thread winds counterclockwise.

2



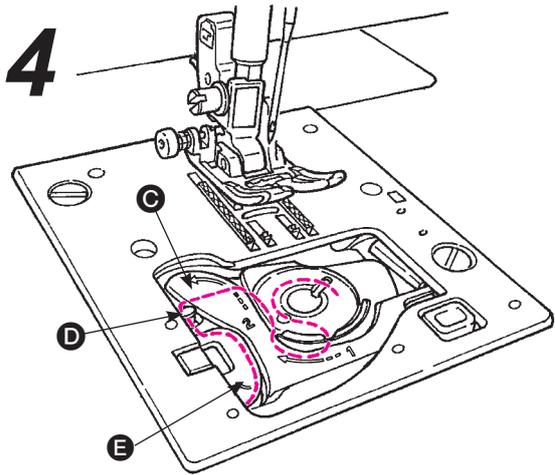
- Thread groove A and B by pulling the thread end.
* It will be easier to thread grooves when you press the bobbin lightly with your finger.

3



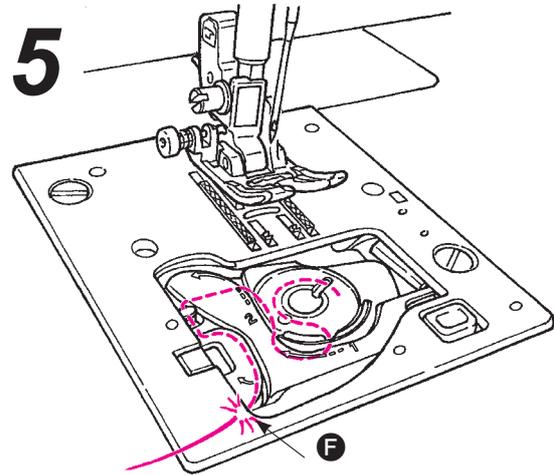
- Thread guide C by pulling the thread to left side.

4



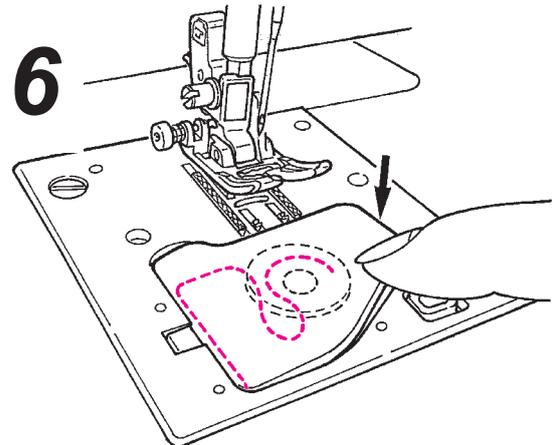
- Thread to guide D and E leave the thread underneath. (Thread guide E first and it will thread to guide D as well.)
* When pulling bobbin thread, bobbin rotates counter-clockwise.

5



- Cut the thread with the built-in cutter F.

6



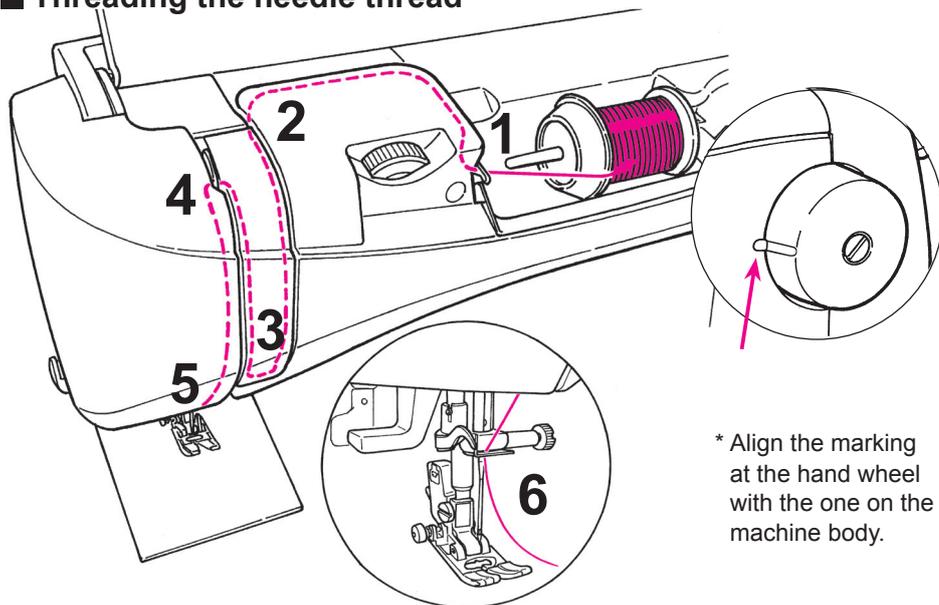
- Close the hook cover.

You can start to sew in this condition (without pulling up the bobbin thread), however, if you want to sew with the bobbin thread pulled out, refer to "Pulling up the bobbin thread" in the page 17.

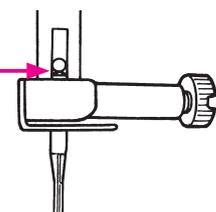
Needle thread preparation

 Warning	Turn OFF the power switch before winding the bobbin thread.
--	---

■ Threading the needle thread



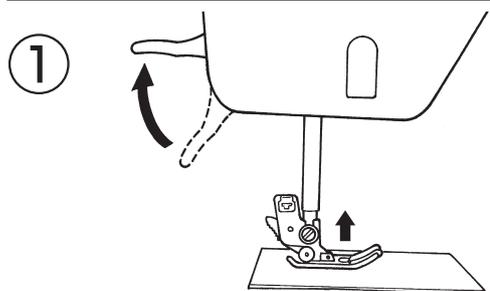
Note
 Make sure to push the needle to the top.



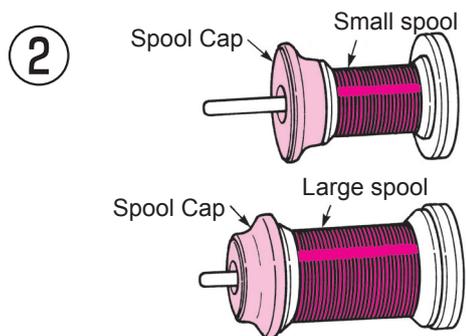
It is impossible to perform stitching if the needle is not correctly installed or a bent needle is used. Pay close attention as this will cause machine malfunction.

* Align the marking at the hand wheel with the one on the machine body.

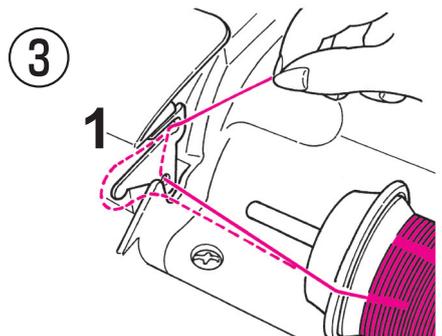
* **Use the needle: No.11-16 and the thread: No.30-90.**



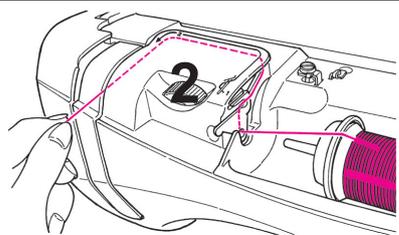
● Lift the presser foot lifting lever.



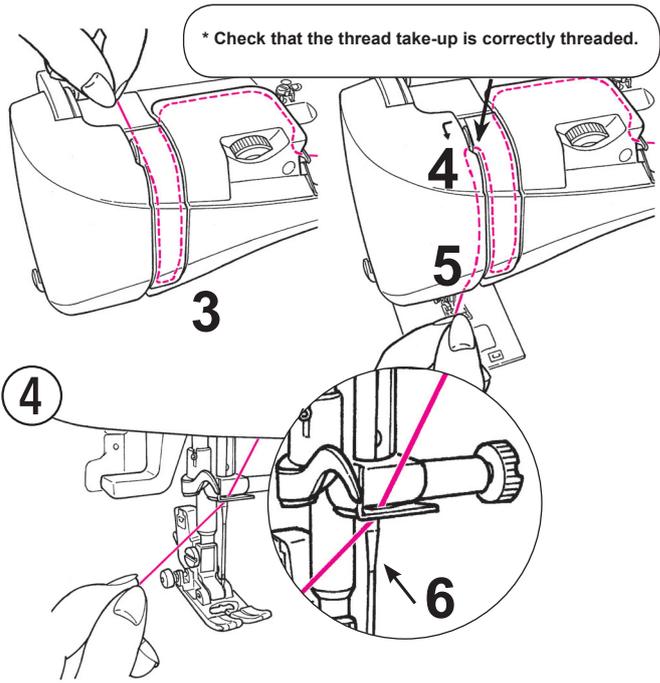
- Place a thread spool to the spool pin and a spool cap onto the spool pin.



● Thread to guide 1.

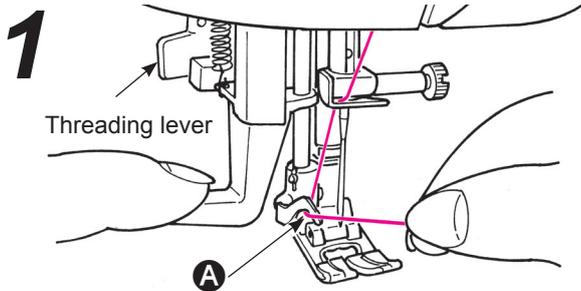


- Hold the thread end and thread according to the arrow marking.
- * Make sure that the presser foot is raised. Otherwise the machine is not correctly threaded.



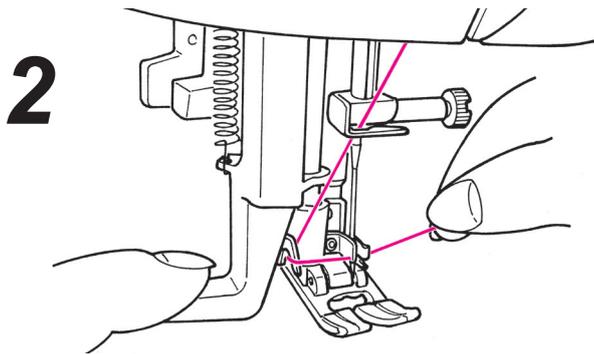
● Thread the guide 6 from the right-hand side.

■ Automatic needle threader

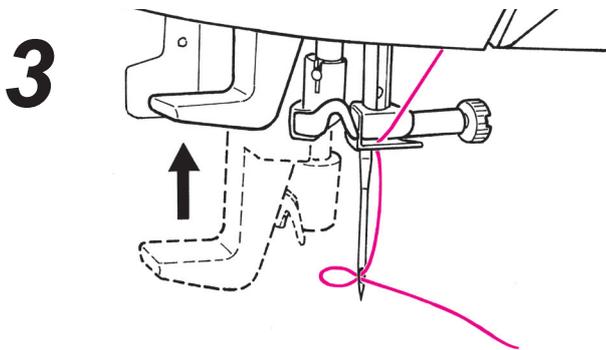


Lower the presser foot.

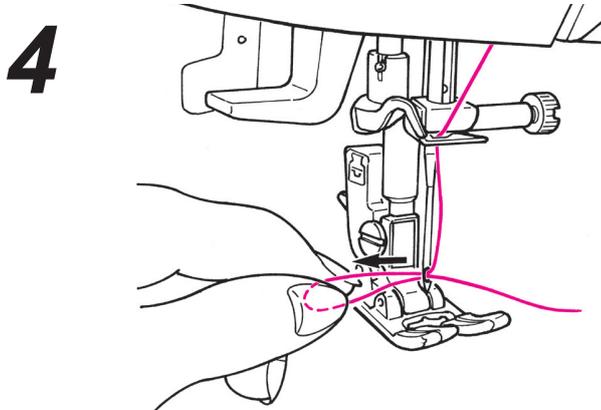
- Raise the needle. Then, lower the needle threader halfway (until it becomes heavy) and thread the thread to **A**.



- Lower the needle threader fully. Then, thread the thread between the guides completely. (Needle threader will catch the thread through needle eye.)



- Release the threading lever and the needle thread is threaded to the needle eye.

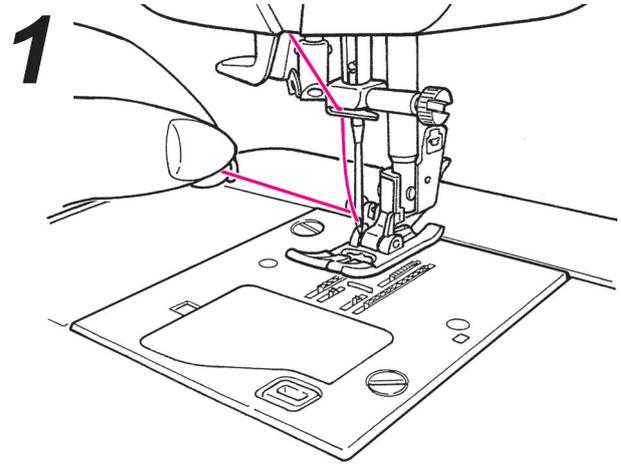


- Pull the thread backward.

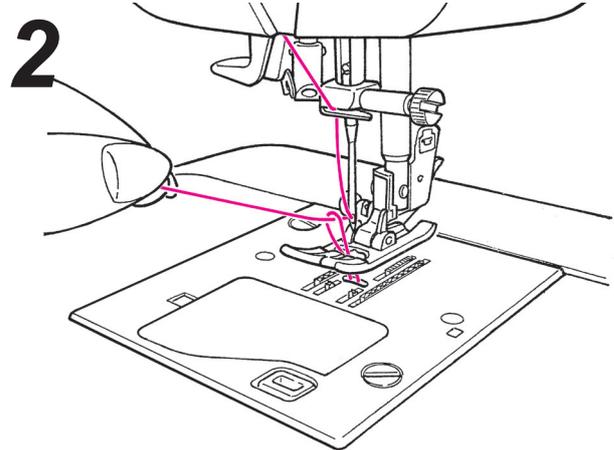
Pull out the thread from the needle eye by approx. 10 cm or 4 inches long.

■ Pulling up the bobbin thread

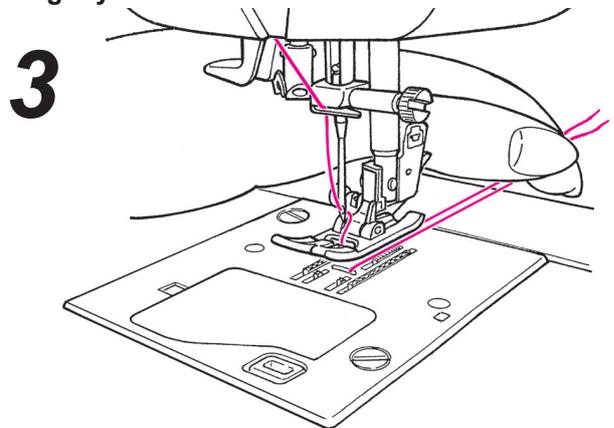
You can start to sew without pulling up the bobbin thread, however, if you want to sew with the bobbin thread pulled out, follow the directions below.



- Lift the presser foot and lightly hold the end of the needle thread.



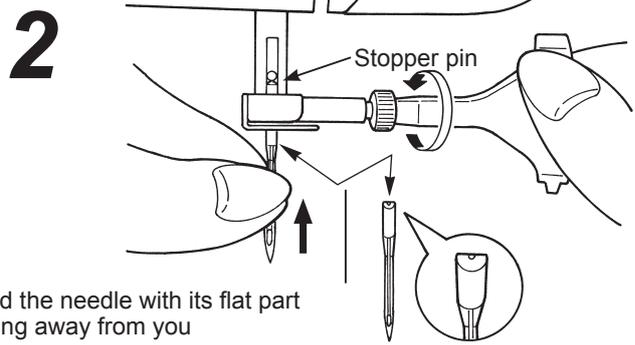
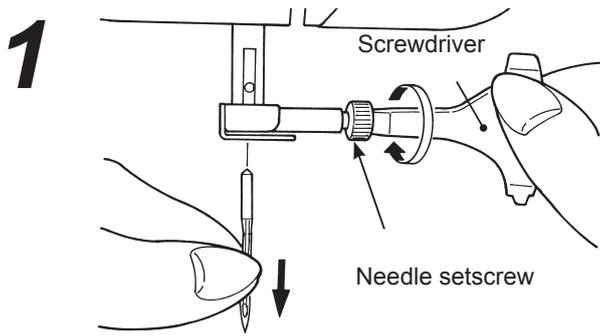
- Turn the hand wheel towards you to move the needle up and down. Loop of bobbin thread will be pulled out when you will pull the needle thread lightly.



- Pull out both needle and bobbin threads by approx. 10 cm (4 inches) long and pass them under the presser foot towards the back of the machine.

Attaching the needle

Warning Turn OFF the power switch before changing the needle.



● Removing needle

1. Turn the hand wheel towards you until the needle comes to the highest position and lower the presser foot.
2. Turn the needle setscrew towards you 1-2 times and remove the needle.

● Attaching the needle

(The needle cannot be inserted unless it is correctly positioned.)

Hold the needle with its flat part facing away from you, and insert it fully until it touches the stopper pin. Securely tighten the needle setscrew.

When purchasing spare needles, specify HA X 1 (130/705H) or HA X 1 SP (needle for knits).

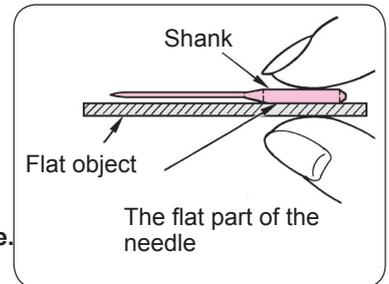


Needle size:

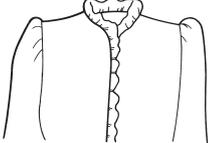
The larger the number, the thicker the needle.

Check the needle for its straightness occasionally. Any bent needle would cause skipped stitches, thread break-age or damage to materials.

Attention: The machine will not sew if the needle is not inserted correctly and/or a bent needle is used. It will cause damage to the machine.



Fabric, thread and needle table

	Fabric 	Thread 	Needle  HA X 1
Light-weight materials 	Lawn	Silk thread..... No.80, 90	No.11
	Georgette	Spun thread..... No.80, 90	
	Tricot	Spun thread..... No.60-90	No.11 Knit needle
	Wool and synthetic fabrics	Silk thread..... No.80, 90 Spun thread..... No.60-90	No.11-14
Medium-weight materials 	Cotton and synthetic fabrics	Spun thread..... No.50, 60	No.11-14
	Light jersey	Silk thread..... No.50 Spun thread..... No.50, 60	No. 11 Knit needle
	Ordinary wool and synthetic fabrics	Silk thread..... No.50 Spun thread..... No.50, 60	No.11-14
Heavy-weight materials 	Denim	Spun thread..... No.30-60	No.14-16
	Jersey	Silk thread..... No.50 Spun thread..... No.50, 60	No. 11-14 Knit needle
	Coat	Silk thread..... No.50	No.11-14

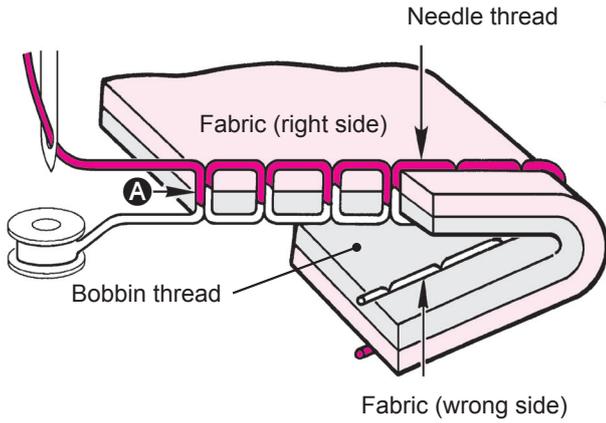
* In general, the same thread is used for both needle and bobbin threads.

* Thin thread and needle will be used for light-weight fabrics and thick thread and needle will be used for heavy-weight materials.

* Check that the combination of needle and thread is OK by trial sewing on the material which will be sewn.

* When it is difficult to go over an overlapped section, guide the fabric by hand.

How to adjust thread tension



Well-balanced thread tension

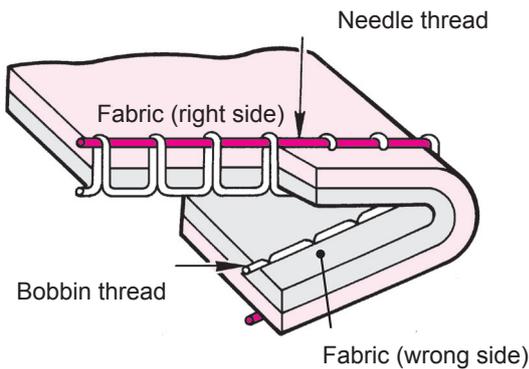
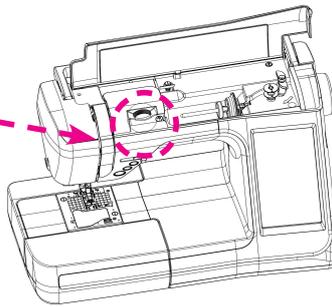
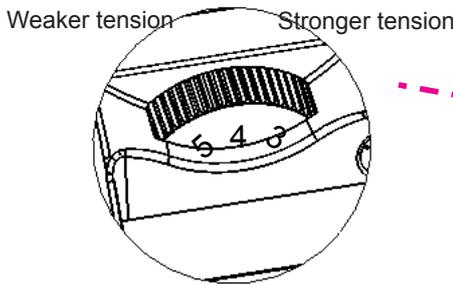
Straight stitch: Needle and bobbin threads interlace with each other at the middle of the fabric thickness. (A)

Zigzag stitch: Needle thread is pulled a little bit to the wrong side of the fabric.

If the machine is set to "4", it is suitable for most fabrics. However, adjustment may be necessary according to fabrics and sewing applications.

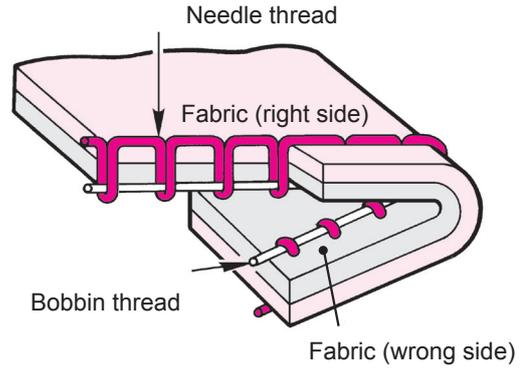
If the tension is not correctly set, it will cause imbalanced stitch formation, puckering, and/or thread breakage.

Thread tension adjustment dial



When the needle thread is too strong:

The bobbin thread will be pulled to the front side of the fabric. Turn the thread tension adjustment dial to choose smaller number.

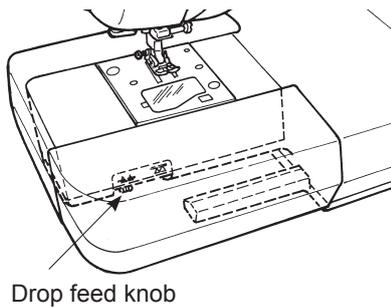


When the needle thread is too low:

The needle thread will be pulled to the wrong side of fabric. Turn the thread tension adjustment dial to choose larger number.

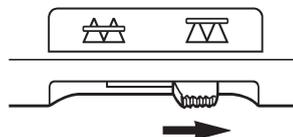
In case a correct tension setting is not obtained, check thread paths for both needle and bobbin threads.

How to lower the feed dog

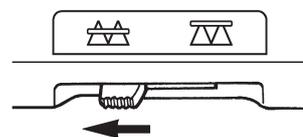


- Move the drop feed knob to the right-hand side, in case the feed dog is in the down position for free motion quilting, button sewing, etc.
- * Move the drop feed knob to the left-hand side after sewing. The feed dog will be engaged automatically when the machine starts to sew.

When lowering the feed dog

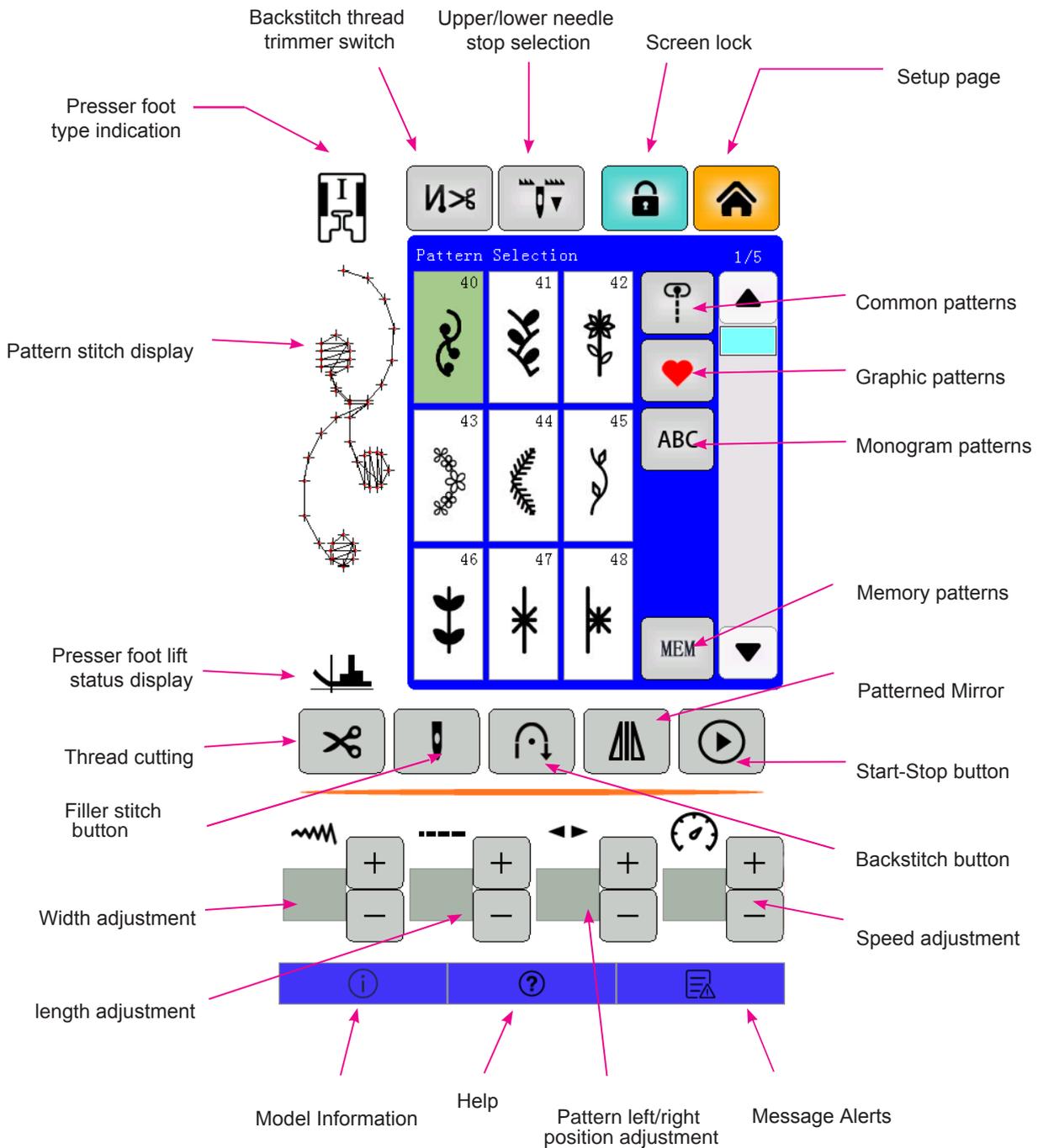


When lifting the feed dog



Sewing function screen

■ Operation buttons and screens



Names and specific functions of operation buttons

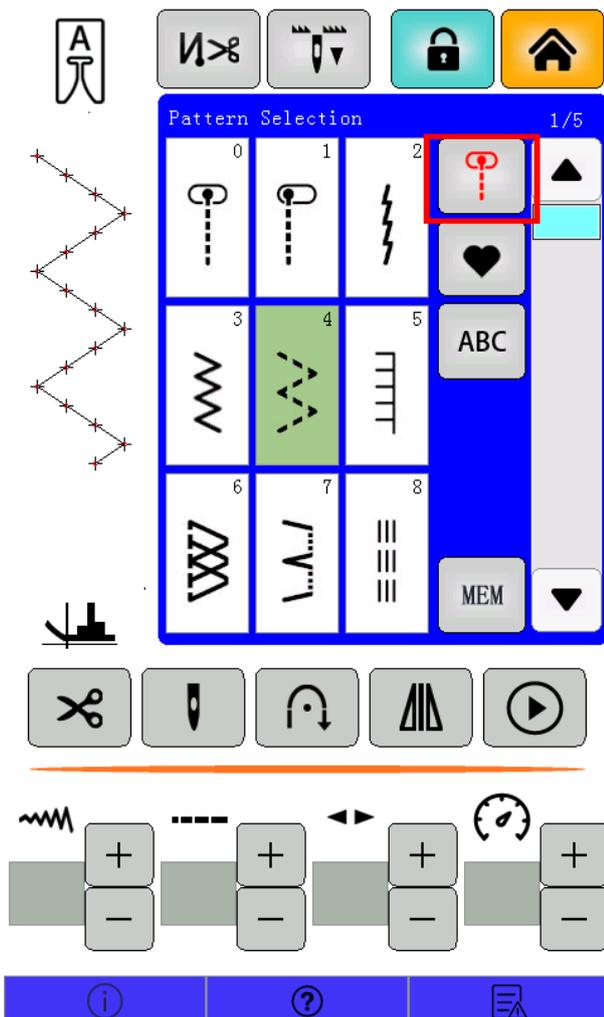
Practical patterns

Choose 

Then choose No. by pattern selection button.

Pattern	00	01	02	03	04	05	06	07	08	09
Pattern										

Pattern	10	11	12	13	14	15	16	17	18	19	20	21	22
Pattern													



The screenshot shows a control panel with several sections:

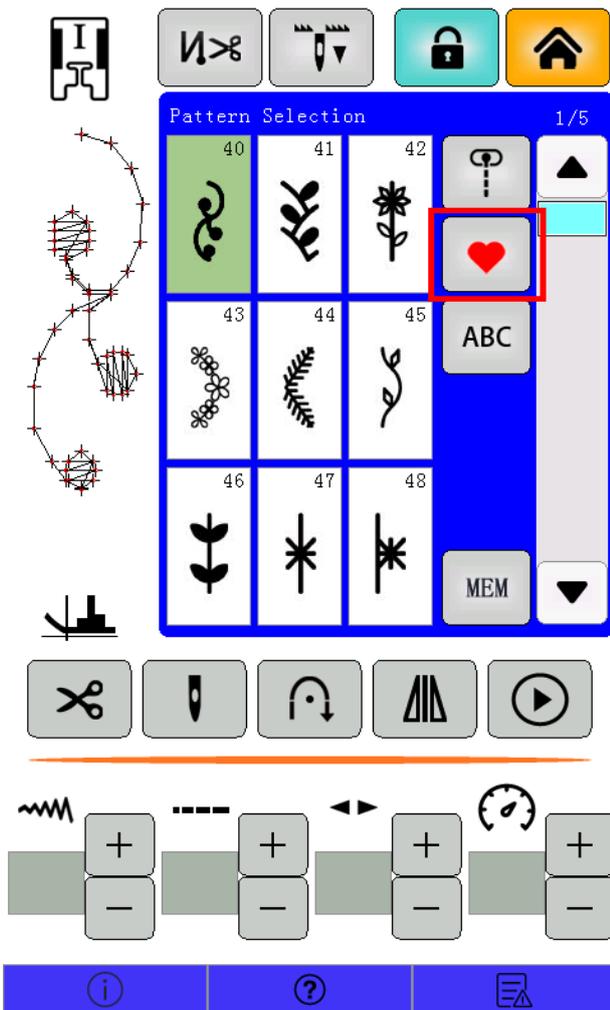
- Top Row:** A button with 'A' and a key icon, a button with a key icon and a crossed-out key icon, a button with a key icon and a lightning bolt icon, and a home button.
- Pattern Selection Menu:** A blue-bordered menu titled 'Pattern Selection' with '1/5' in the top right. It contains a 3x3 grid of pattern icons:
 - 0: Key icon
 - 1: Key icon
 - 2: Key icon with a red border
 - 3: Zigzag icon
 - 4: Dashed zigzag icon (highlighted in green)
 - 5: Comb icon
 - 6: W icon
 - 7: W with vertical lines icon
 - 8: Vertical lines icon
 To the right of the grid are buttons for a heart, 'ABC', and 'MEM'.
- Bottom Row:** A row of five buttons: scissors, a pencil, a circular arrow, a triangle, and a play button.
- Adjustment Section:** A row of four pairs of '+' and '-' buttons, each with a corresponding icon above it (zigzag, dashed zigzag, double-headed arrow, and a dial).
- Footer:** A blue bar with three icons: an information icon, a question mark icon, and a document icon.

Decorative stitches and one point pattern

Choose 

Then choose No. by pattern selection button.

Pattern	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79

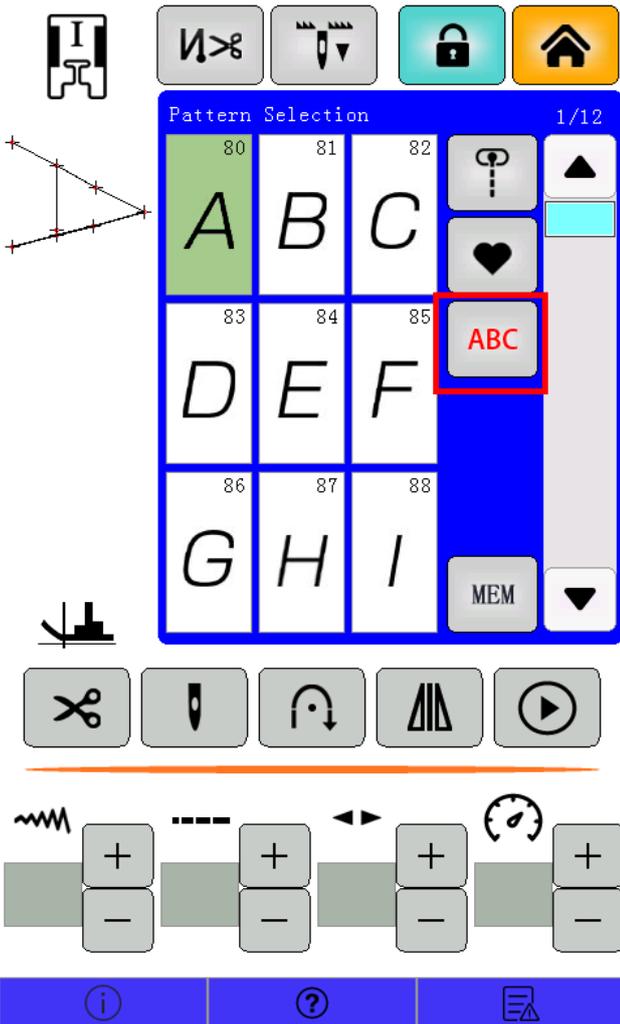


Letters **ABC**

Choose **ABC**

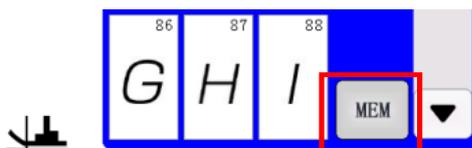
Then choose No. by pattern selection button.

Pattern	80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105
	A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
	106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131
	a b c d e f g h i j k l m n o p q r s t u v w x y z
132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155	
1 2 3 4 5 6 7 8 9 0 @ ! ? & □ □ □ □ □ □ □ □ / : ;	
156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179	
Ä Å Æ à ä å è é ê ë Ç œ ç ì Ñ ñ Ö Ø ò ö ø Û ù ü	



Memory patterns

MEM



This is used to store the selected letters or one point patterns into memory.

Automatic lock stitch and thread trimming button



When it is  pressed,

The machine will automatically lock stitches at sewing-start and sewing-end and then trim both threads.

Needle up/down button



While sewing machine stops sewing, press this button to change up/down position of the needle instantly. When the needle is in up position and press it, then needle moves down and when the needle is in down position and press it, then needle moves up. When the button is pressed continuously, it is programmable and you can choose the needle stop position either up or down.

When it is pressed, either symbol “ ” or “ ” will be shown on the screen.

When sewing with symbol “ ”, the needle stops at its highest position.

When sewing with the symbol “ ”, the needle stops at its lowest position.

Thread trimming button



When it is  pressed,

The machine will trim both threads.

Single and double pin keys



When it is  pressed,

The machine will do the sewing and mending.

Back stitch button



When it is  pressed,

The machine will backstitch.

Back stitch button



When it is  pressed,

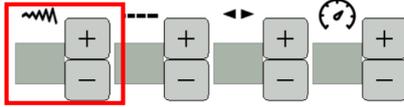
The pattern will be mirrored and flipped.

Start-stop button



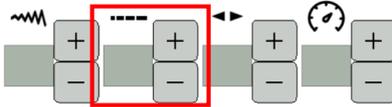
Click the start button at the bottom right of the screen
or the start/stop button on the top of the front cover of the machine to start sewing.

Zigzag width adjustment buttons



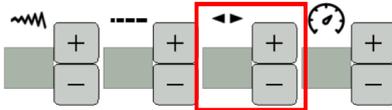
This is used to change the zigzag width and the needle position.

Stitch length adjustment buttons



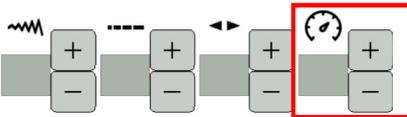
This is used to change the stitch length.

Pattern left/right position adjustment buttons



This is used to change the pattern position.

Stitch speed adjustment buttons



This is used to change the stitch speed.

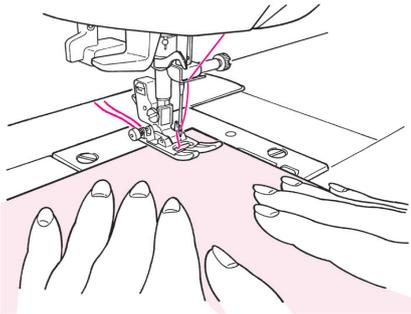
Easy Sewing Instructions

- 1、 Click the OK button at the bottom right of the screen after the pattern selection setting is completed, and the machine enters the pending sewing state.
 - 2、 Thread the top thread, place the bottom thread, place the fabric to be sewn correctly in place and put down the presser foot.
 - 3、 Click the start button at the bottom right of the screen or the start/stop button on top of the front cover of the machine to start sewing.
 - 4、 Click the thread cutting button after sewing, the machine automatically cuts the top and bottom threads.
 - 5、 Make sure the needle is in the highest position when lifting the presser foot and remove the fabric to complete the sewing operation.
- Users must use the presser foot correctly for the corresponding function when performing sewing operations, otherwise it may result in failure to sew or needle breakage causing personal injury.

Straight stitch

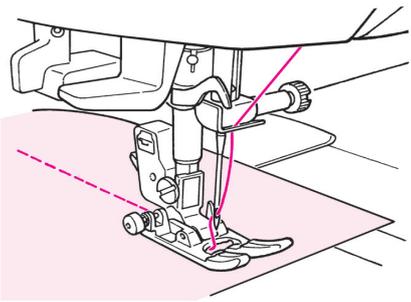
	No. Pattern No.	00 Practical 00
	Presser foot	(A) Standard presser foot (A)
	Thread tension	Manual adjustment

 Attention	Turn OFF the power switch before replacing the presser foot.
--	--



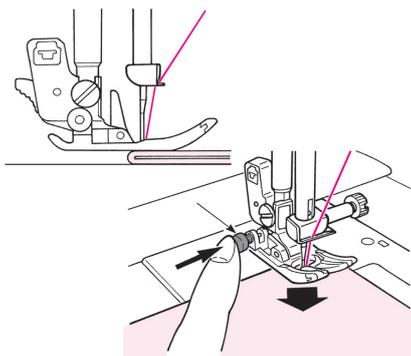
■ Sewing start

Pull the needle and bobbin threads under the presser foot to the rear of the machine and lower the presser foot to start sewing.



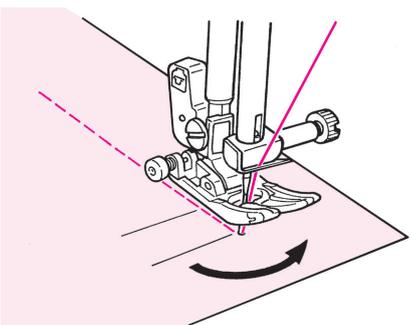
■ Sewing end

Stop sewing and push the thread trimming button to trim the threads.



■ When sewing the edge of thick fabrics

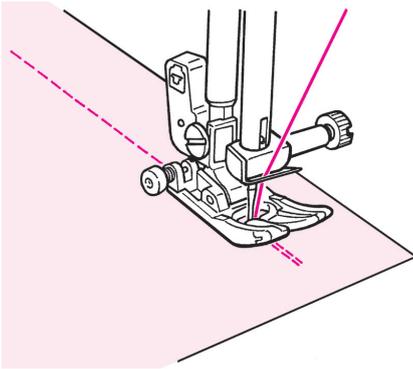
Turn the hand wheel and let the needle enter at the position of sewing start. Push the black button by finger and lower the presser foot. Release the finger from the black button and start sewing. When the presser foot will be on the fabric completely, the black button will be disengaged automatically.



■ When changing the sewing direction

Stop sewing in front of the predetermined position and then continue to sew, stitch by stitch, by using needle up/down button until the target point. Leave the needle inside the fabrics and raise the presser foot. With the needle inside the fabrics change the sewing direction, lower the presser foot and then start sewing.

■ Lock stitch after sewing-end



<When start/stop button is used>

After the sewing is finished, push the reverse stitch button. While it is pressed, the machine will sew reverse and when it is released, the machine will stop sewing reverse.

* When reverse stitching, the sewing speed is slow.

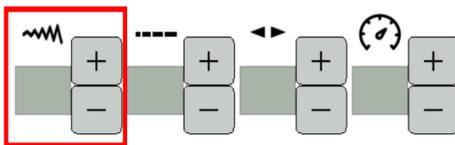
<When foot controller is used>

The machine will sew reverse at almost the same speed as the normal sewing.

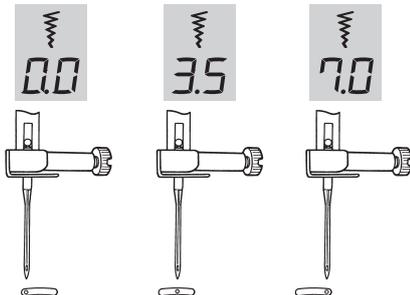
When the reverse stitch button is released, the machine sews straight.

How to change needle positions / How to change the stitch length

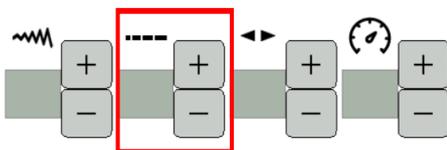
■ When changing the needle position of straight stitch



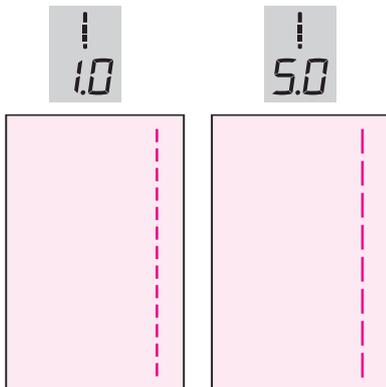
It is possible to change the needle position with the zigzag width adjusting button.



■ When changing the stitch length



It is possible to change the stitch length with the stitch length adjusting button.

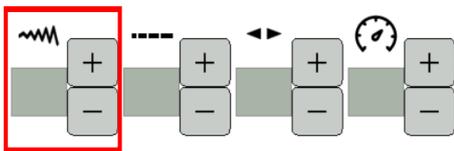


Zigzag stitch

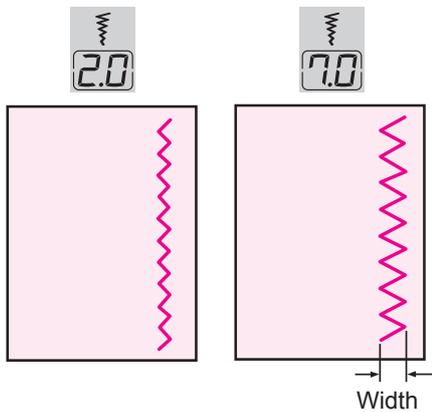
	No. Pattern No.	03 Practical 03
	Presser foot	(A) Standard presser foot (A)
	Thread tension	Manual adjustment

Attention Turn OFF the power switch before replacing the presser foot.

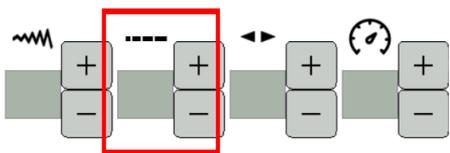
■ When changing the zigzag width



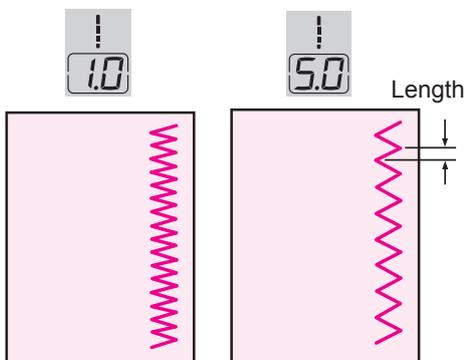
The zigzag width can be adjusted while sewing.



■ When changing the stitch length



The stitch length can be adjusted while sewing.



Overcasting stitch



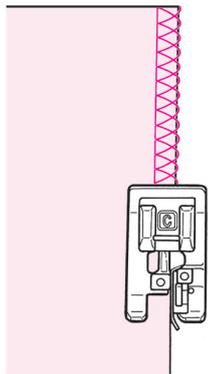
Attention

Turn OFF the power switch before replacing the presser foot.

This stitch is used to prevent the edge of fabric from fraying.

Overcasting stitch 1

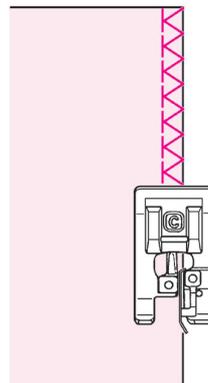
	No. Pattern No.	Practical 06
	Presser foot	Overcasting presser foot (C)



- Push the fabric towards the guide and sew. If the fabric and guide are apart, it will not make a nice stitch formation. Make sure to guide the fabric along the guide and sew slowly.

Overcasting stitch 2

	No. Pattern No.	Practical 14
	Presser foot	Overcasting presser foot (C)

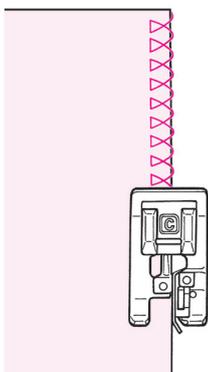


- This stitch is used for overcasting medium- to heavy-weight materials. Guide the fabric along the guide and sew.

※ Before sewing, make sure to check that the needle will not hit the presser foot.

Overcasting stitch 3

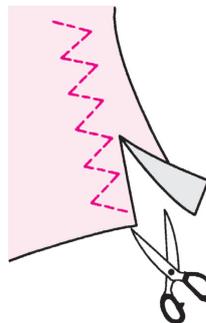
	No. Pattern No.	Practical 15 (Light-weight material)
	Presser foot	Overcasting presser foot (C)



- This overcasting stitch is used for overcasting light-weight materials. Guide the fabric along the guide and sew.

Overcasting by 3-point zigzag

	No. Pattern No.	Practical 04
	Presser foot	Standard presser foot (A)



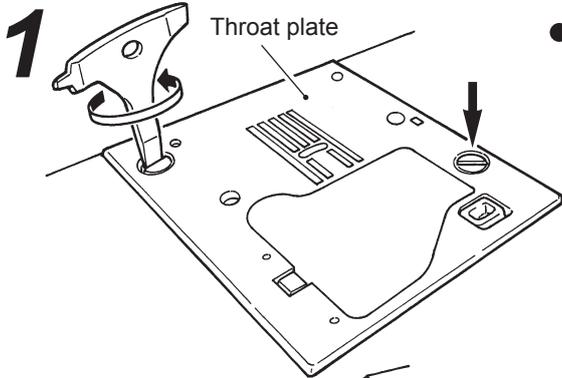
- This stitch is used to prevent the cut edge of fabric from fraying. Keep some seam allowance and cut the sewn fabric carefully so that stitches are not cut by the scissors.

※ Do not use overcasting presser foot (C).

Machine Maintenance

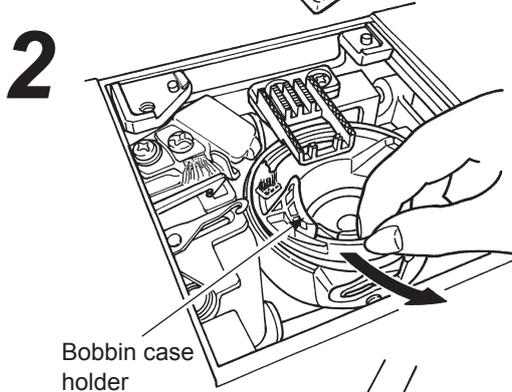
When lint and/or dirt has built up, it may cause machine failures. Therefore, clean the machine frequently.

<p>⚠ Attention</p>	<p>Always must be disconnected plug from socket-outlet before remove throat-plate and remove bobbin-case-holder.</p>
---------------------------	---

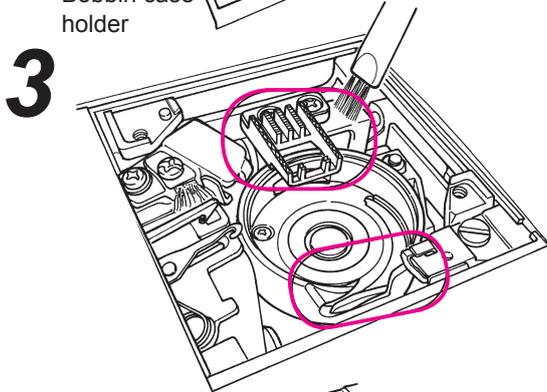


● **Remove the throat plate**

Remove needle and presser foot and remove the needle plate by using T-shape screwdriver.

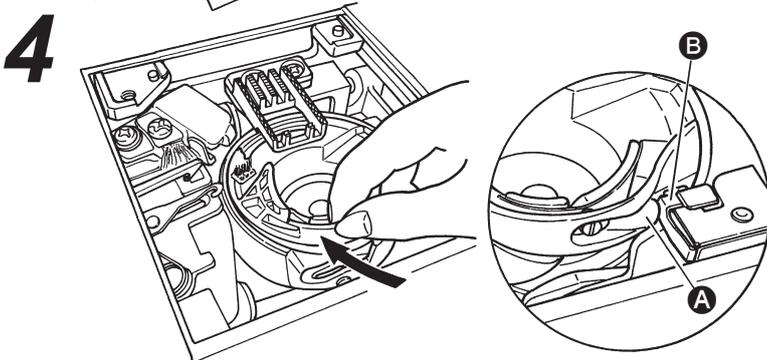


● **Remove the bobbin case holder.**



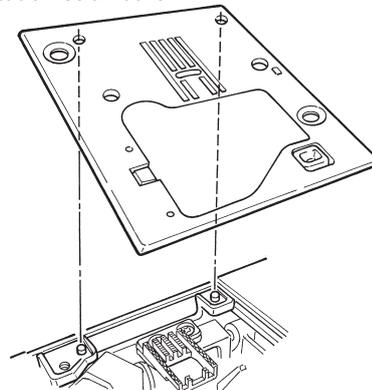
● **Remove lint and dirt.**

Remove lint and dirt around the feed dog and bobbin case holder with the cleaning brush.



● **Install the bobbin case holder.**

Install the bobbin case holder so that points **A** and **B** touch each other.



● **Install the throat plate.**

When attaching the throat plate, align the positioning pins with holes of throat plate.

Performance check list

If sewing difficulties occur, make sure the instructions are correctly followed.
If a problem still exists, the reminders below may help solve it.

Case	Cause (Reason)	Solution
The machine stops sewing suddenly. (This is in case you can turn hand wheel byhand.)	The machine sews at slow speed continuously. (The machine has a mechanism to automatically cut off the power to prevent the motor from overheating.)	Turn off the power and wait for a while (about 10 minutes). The safety mechanism will be reset and the machine will return to normal.
Sewing machine stops while sewing. (Hand wheel is heavy to turn.)	If the thread gets tangled and/or the needle is bent, motor will lock and safety mechanism works instantly and the sewing machine will stop sewing.	Get rid of cause(s) of thread tangling. Check if the needle is bent or not. Turn off the power before checking the needle.
Sewing machine stops after sewing some stitches.	In case of relatively low room temperature and/or thread tangling, or in case the motor got excess load, the safety mechanism works and the sewing machine stops so that the machine will not get hot.	Leave the sewing machine in the room so that the sewing machine adapts itself to the room temperature. Get rid of cause(s) of thread tangling.
The machine will not work even when started.	Presser foot is in up position.	Lower the presser foot and start to sew.
The machine will not work even when start/stop button is pressed. (This is in case sewing light is still on.)	The needle hits presser foot due to an installation of incorrect presser foot. The needle fell into the hook area and tried to start.	Use the appropriate presser foot to the selected stitch pattern. Remove the needle from the hook area.
Needle breaks.	Thick material is sewn with a thin needle. The needle is not inserted fully. The needle setscrew is not securely tightened. The wrong presser foot is used for a certain pattern.	Check the combination of fabric, thread and needle. Check the installation of needle. Securely tighten the needle setscrew. Check the combination of stitch pattern and presser foot to be used.
Loud noise and/or keen noise while sewing.	Lint or dust has accumulated in the feed dog. Lint or dust has accumulated in the hook.	Clean the feed dog area. Clean the hook area.
Machine fails to feed fabrics.	The stitch length is set at "0". Soft fabrics such as towels are being sewn. The machine is set in drop feed condition. (the drop feed knob is on the right side)	When the stitch pattern is reselected, the machine goes back to the default setting. Set the stitch length to 3 - 5. Set the drop feed knob to left side.

Case	Cause (Reason)	Solution
<p>Needle can not be threaded. (This is in case needle threader will notturn.) The hook of needle threader does not go through the needle eye.</p>	<p>The needle is not in the up position. (When needle is not in the up position, needle threader will not turn. This is to avoid damages to the hook.)</p> <p>The needle is not inserted fully.</p>	<p>Rotate the hand wheel and lift the needle upwards.</p> <p>Check the installation of the needle.</p>
<p>The needle threading lever will not return to the original position and the machine can not turn properly. (This is in case the hook of needle threader remains in the needles eye.)</p>	<p>Hand wheel is turned by mistake while the needle threading lever is in down position. (in the process of threading to the needle.)</p>	<p>Turn hand wheel slightly away from you. (to the opposite side when sewing).</p>
<p>The machine will not start even when start/stop button is pressed.</p>	<p>The foot controller is plugged in.</p>	<p>Start/stop button can function when foot controller is removed.</p>
<p>Thread breaks. Stitch is skipped.</p>	<p>The machine is incorrectly threaded. There is knot or knurl on the thread.</p> <p>The setting of manual thread tension is incorrect.</p> <p>The needle is bent or the tip of needle is broken. The needle is installed incorrectly. Threading of bobbin thread is not correct.</p> <p>The bobbin can not turn smoothly inside the hook holder.</p> <p>The needle size does not match the thread.</p> <p>Thread take-up is not threaded.</p>	<p>Rethread the machine correctly. Remove knot or knurl from thread</p> <p>Adjust thread tension manually according to fabrics and thread to be used.</p> <p>Change needle. Install needle correctly.</p> <p>Check the correct way of setting bobbin thread.</p> <p>Check the correct way of winding bobbin thread.</p> <p>Check the combination of thread and needle.</p> <p>Rethread the machine correctly.</p>
<p>Thread tension is not good.</p>	<p>The needle thread is threaded incorrectly.</p> <p>The bobbin thread is threaded incorrectly.</p> <p>The direction of spool cap doesn't match the spool.</p>	<p>Rethread the machine correctly. Check the correct way of setting bobbin thread.</p> <p>Attach the spool cap in a correct direction.</p>
<p>Puckering occurs.</p>	<p>The stitch length is too large on light-weight fabrics.</p> <p>The needle tip is broken.</p>	<p>Make the stitch length smaller (shorter).</p> <p>Change needle.</p>

■ Specification list

Item	Specification
package size	52 (L) X 30 (W) X 35.5 (H) cm
Weight	11.0 KGS / 9.5 KGS