

**PFAFF®**

**hobbylock** 4764

Operating Manual





This household sewing machine is designed to comply with IEC/EN 60335-2-28 and UL1594

# IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic safety precautions should always be followed, including the following:

Read all instructions before using this household sewing machine.

## **DANGER - To reduce the risk of electric shock:**

- A sewing machine should never be left unattended when plugged in. Always unplug this sewing machine from the electric outlet immediately after using and before cleaning.
- Always unplug before relamping. Replace bulb with same type rated 15 Watt.

## **WARNING - To reduce the risk of burns, fire, electric shock, or injury to persons:**

- Do not allow to be used as a toy. Close attention is necessary when this sewing machine is used by or near children and infirm persons.
- Use this sewing machine only for its intended use as described in this manual. Use only attachments recommended by the manufacturer as contained in this manual.
- Never operate this sewing machine 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 sewing machine to the nearest authorized dealer or service center for examination, repair, electrical or mechanical adjustment.
- Never operate the sewing machine with any air openings blocked. Keep ventilation openings of the sewing machine and foot controller free from the accumulation of lint, dust, and loose cloth.
- Keep fingers away from all moving parts. Special care is required around the sewing machine needle and blades.
- Always use the proper needle plate. The wrong plate can cause the needle to break.
- Do not use bent needles.
- Do not pull or push fabric while stitching. It may deflect the needle causing it to break.
- Switch the sewing machine off ("0") when making any adjustment in the needle area, such as threading needle, changing needle, threading bobbin, or changing presser foot, etc.
- Always unplug sewing machine from the electrical outlet when removing covers, lubricating, or when making any other user servicing adjustments mentioned in the instruction manual.
- Never drop or insert any object into any opening.
- Do not use outdoors.
- Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
- To disconnect, turn all controls to the off ("0") position, then remove plug from outlet.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.

# SAVE THESE INSTRUCTIONS

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## **Congratulations!**

Congratulations on purchasing your new Pfaff® hobbylock™ 4764! Your Pfaff hobbylock 4764 will give you professional sewing results! Its ease of use will free your creative energies - turning your ideas into reality will be a joy.

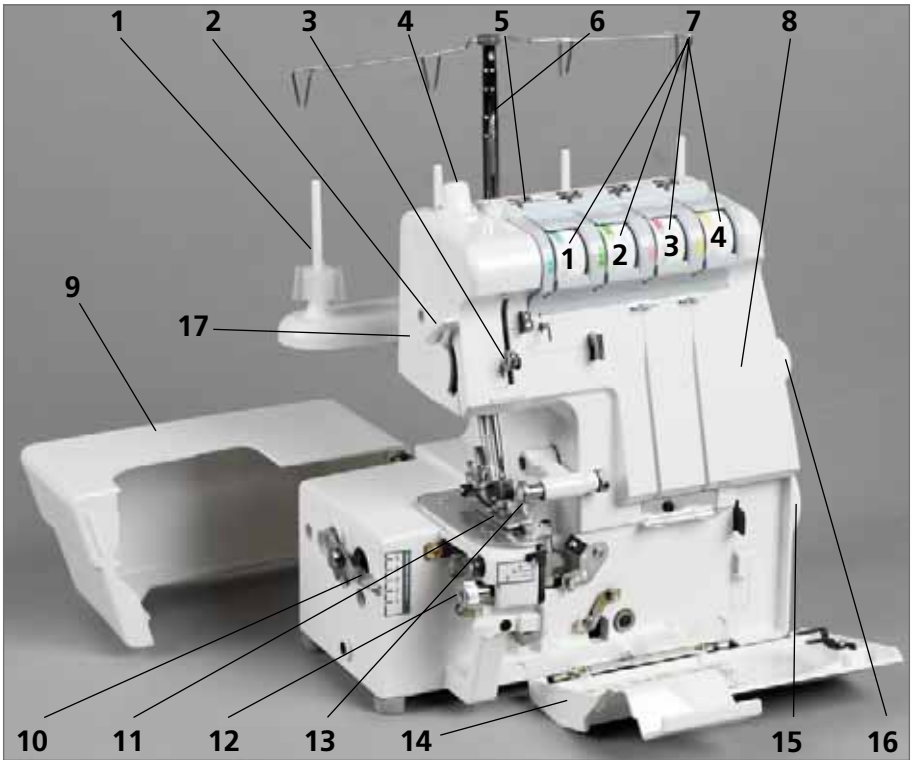
Before you start, please spend some time reading these operating instructions. You will soon discover how easy it is to use your Pfaff hobbylock 4764.

Give a free rein to your imagination and make your ideas become reality!



# 1. Summary

## 1-1 Parts of hobbylock 4764

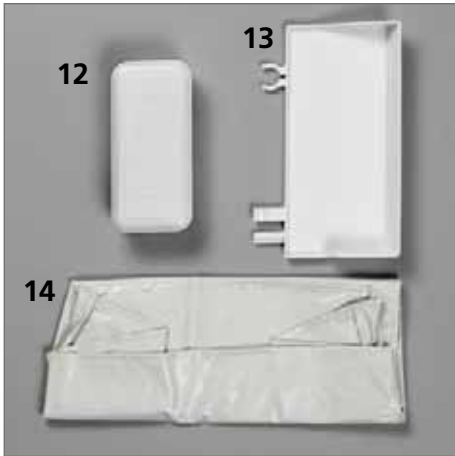


- |     |   |    |  |
|-----|---|----|--|
| 1   | Spool pin                                 | 8  | Front panel                              |
| 2   | Presser foot lift                         | 9  | Swivel table                             |
| 3   | Thread take up lever                      | 10 | Seam length adjustment knob              |
| 4   | Adjustment knob for presser foot pressure | 11 | Standard presser foot                    |
| 5   | Thread guides                             | 12 | Seam width adjustment knob               |
| 6   | Telescopic thread guide                   | 13 | Upper blade                              |
| 7-1 | Left needle thread tension                | 14 | Front cover                              |
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| 7-4 | Thread tension/lower looper               | 17 | Light bulb cover                         |



## 1-2 Accessories

- 1 Thread unreeling discs (4 pcs.)
- 2 Tweezers
- 3 Machine oil
- 4 Lower blade
- 5 Needles # 11 (75)
- 6 Needles # 14 (90)
- 7 Screwdrivers
- 8 Convertor
- 9 Thread nets
- 10 Cleaning brush
- 11 Needle plate for rolled hem



- 12 Accessory box
- 13 Waste tray
- 14 Machine cover

### 1-3 Connecting the foot control and the electrical connection

Connect the foot control and the electrical connection.

Before plugging your machine, be sure that the voltage is same as that of your machine. (indicated on the plate on the back of the machine).

**Note:** Specifications vary from country to country.

Turn on the power and light switch.

Always turn off the switch and unplug the machine when not in use; changing needles, presser foot, or needle plate; or servicing/ cleaning the machine.

- Use foot control type YC-482T for USA/ Canada and YC-190 for other countries with overlock machine Model 4764.

The harder you press the foot control, the faster the machine runs.

When the power switch is turned off, the machine will not operate even with pressure on the foot control.

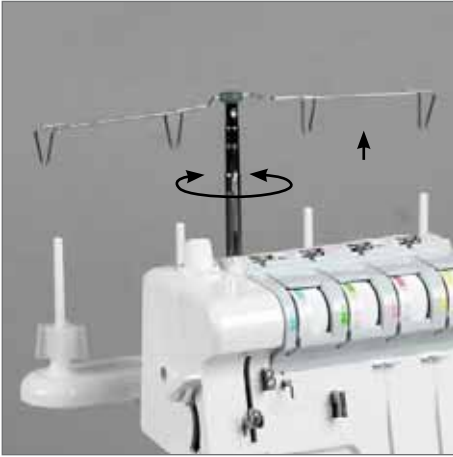
- Electronic foot control (for USA/Canada only)  
This foot control gives full penetration power even at slow speed for all sewing needs.



#### **For the USA and Canada**

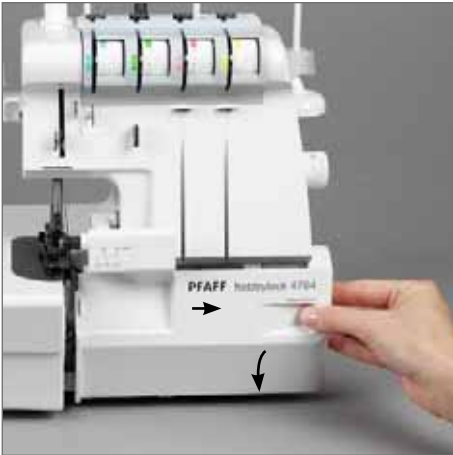
This sewing machine has a polarized plug (one blade wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not modify the plug in any way.





## 1-4 Setting telescopic thread stand

Extend the telescopic thread stand to its full height, then turn until it locks against the stop.



## 1-5 Opening and closing front cover and side cover

### How to open the front cover

Push the cover to the right as far as it will go and pull it downwards.

### How to close the front cover

Pull the cover upwards and slide to the left until it locks.

The front cover has a safety switch and the machine will not sew when the front cover is not closed all the way.



### How to open the side cover


Push the cover to the left to unlock and swing the cover back away from you.

### How to close the side cover

Push the cover to the right and lock into place.

## 1-6 Changing the needle

Replace the needles in the following order:


 Unplug the machine.

1. Bring needles to its highest position by turning the handwheel towards you.
2. Loosen the needle clamp screw and remove two needles together.
3. With the flat side away from you, insert two new needles all the way up into the groove of the needle bar.

Use standard home sewing machine needles size #11 (#75) or #14(#90).



## 1-7 Changing presser foot

 Turn the machine off.

1. Raise the presser foot.
2. Raise the needles to its highest position by turning the handwheel towards you.
3. Push the red button and the foot will come off.
4. Place the new foot with the pin right underneath the groove of the ankle and lower the presser foot. The foot will snap back into place.



# 2. Threading

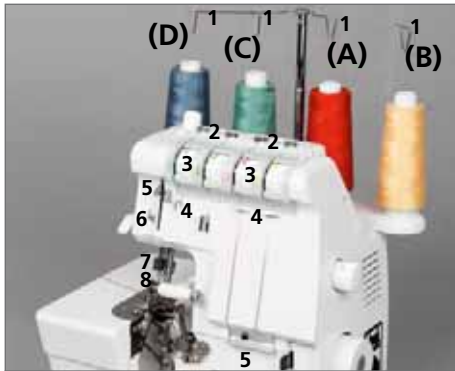
## 2-1 Threading

When threading the machine from the beginning, threading must be carried out in the following sequence:

**First:** Upper looper threading (A)

**Second:** Lower looper threading (B)

**Finally:** Needle threading (C, D)

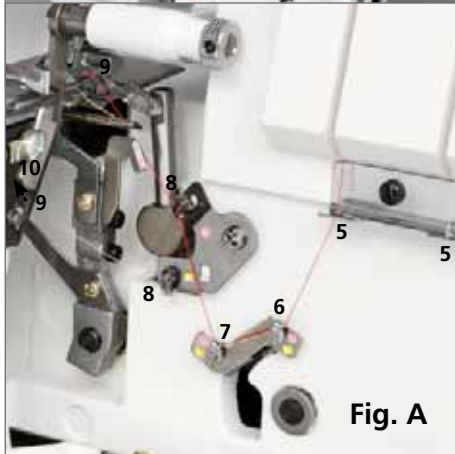


### 1. Upper looper threading (A)

Bring the upper looper to its lowest position by turning the handwheel towards you.

Draw thread from spool and pass it through guide (1) of the thread stand and then, in order, through guides (2)-(8) (Fig. A).

Thread the eye of upper looper (9) using tweezers. Cut the thread leaving about 10 cm (4") of thread tail.



**Fig. A**

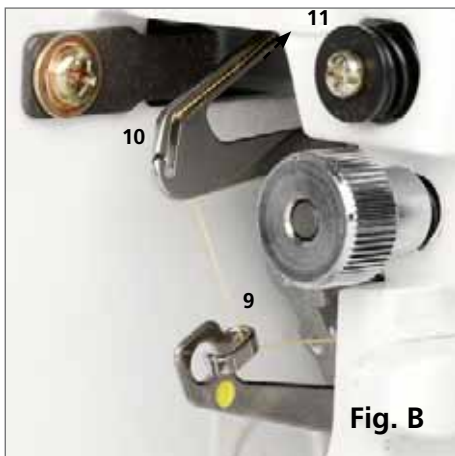
### 2. Lower looper threading (B)

Open the front cover and the side cover.

Take the thread drawn from the spool and pass it through guide (1) of the thread stand and then, in order, through guide (2) and thread tension dial (3) (Fig. A).

Pass the thread through guides (4)-(8).

Bring the lower looper to the far left position by turning the handwheel towards you, and pass the thread through lower looper thread guide (9). Pass thread through lower looper slit (10) from back to forward (Fig. B).



**Fig. B**

Move the lower looper slightly to the right by turning the handwheel towards you.

Then thread the eye of lower looper (11) using tweezers.

Cut the thread leaving about 10 cm (4") of thread tail.

The lower looper thread will lay on top of the upper looper thread.

Close the front cover.

### 3. Right needle threading (C)

For easy threading, disengage the moveable blade by turning it upwards. Push the upper blade holder screw (A) with the forefinger of your left hand and turn the right end of the holder (B) with your right fingers in the direction of arrow (Fig. C).

Take the thread drawn from spool, and pass it through thread guides (1)-(7) (Fig. A). Then thread the eye of right needle (8) from front to back using tweezers. Cut the thread leaving about 10 cm (4") of thread tail.

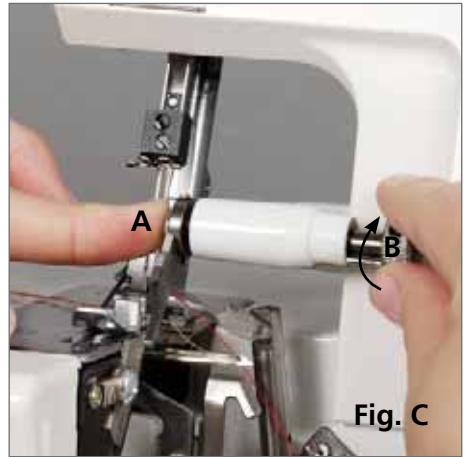




Fig. C

### 4. Left needle threading (D)

Take the thread drawn from spool, and pass it through thread guides (1)-(7), and thread the eye of left needle (8) from front to back (Fig. A, C).

Return the moveable blade to the cutting position.

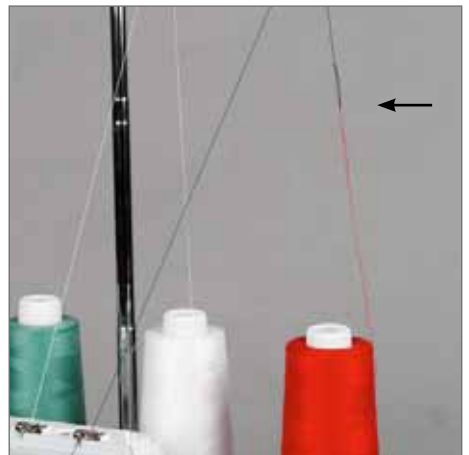
 Make sure the blade is returned to the cutting position before start sewing. Otherwise, it may cause some serious damage to your machine.

 As the upper blade is sharp, handle the moving part with care.

## 2-2 Changing thread

The following is an easy way to change threads;

1. Cut the thread in use near the spool (behind the telescopic thread stand). Place the new thread on the spindle and tie it to the end of the original thread.

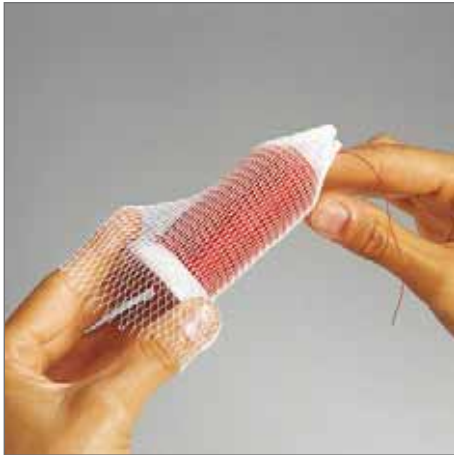




2. Raise the presser foot.

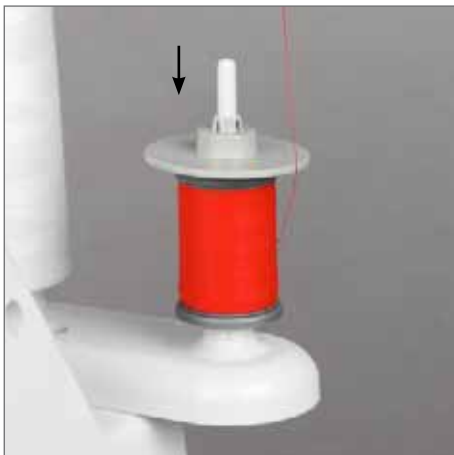
3. Set tensions to 0 so that the thread knot can pass through the guides smoothly. Draw out the looper thread until the thread knot comes to about 10 cm (4") past the presser foot. Reset tensions after you have threaded the loopers.

4. When changing the needle thread, cut off the thread knot before it reaches the eye of the needle. This prevents bending or damaging the needle.



To make threading easier, use tweezers.

When using synthetic threads that easily unwind from the spool, slip the net over the thread from the bottom of the spool leaving the thread hanging loosely at the top as shown.



When using standard thread spool, insert the thread unreeeling discs (supplied with the machine) as shown (leave about 2 mm between the spool and the disc).

## 2-3 Test sewing

Ensure that the upper blade moves against the lower blade correctly by turning the handwheel slowly towards you. If it is not set correctly, check if there is any fabric or waste thread stuck between the blades.

Turn the handwheel towards you while holding all 4 threads and applying slight tension.

Check all 4 threads wind around the stitch finger of the needle plate. If all 4 threads do not wind around the stitch finger of the needle plate, check and make sure that each thread is threaded correctly.

## 3. Sewing

### 3-1 4-thread overlock stitch using 2 needles

#### Before sewing

When threading is complete, sew a few inches of chain stitches.

#### Presser foot lift

Position the fabric by lowering the presser foot lift to raise the presser foot.

Place the fabric underneath the presser foot and push the fabric towards the front of the blade.

Lower the presser foot.

**Note:** For thin and middleweight fabrics, there is no need to raise the presser foot.





## Beginning and end of sewing

### 1. Beginning of sewing

Place your left hand on the fabric to push it slightly until the edge of the fabric passes the presser foot.



### 2. End of sewing

Make chain stitches at the end of the sewing to prevent the threads from coming undone and to prepare for the next sewing (this is called chaining off).

Draw the finished fabric gently backwards and to the left as the machine is operating and make chain stitches. This is called chain stitch sewing. Then cut the threads 2-5 cm (1-2") from the presser foot.

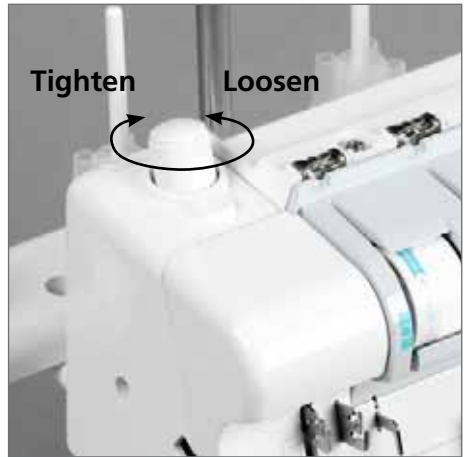
**Note:** Do not pull it out roughly as the needle may bend and break.

For a neater finish, pull thread ends back through the seam using hook or yarn needle.

### Presser foot pressure adjustment

The presser foot pressure is pre-adjusted for fabrics of medium (standard) thickness. Adjustment is necessary only when you work on very thin or very thick fabrics.

Accordingly, sew thinner fabrics with less pressure and thicker fabrics with more pressure. Increase or decrease the pressure of the presser foot by turning the adjustment screw in the direction as shown.



### Thread tension adjustment

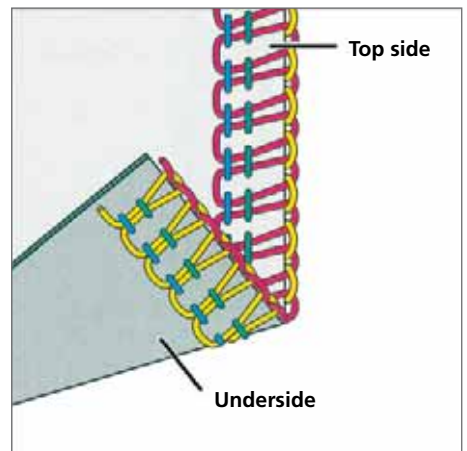
Adjust thread tension to suit the type of fabric and size of thread used. As the number on the thread tension discs increases, the thread tension becomes tighter.



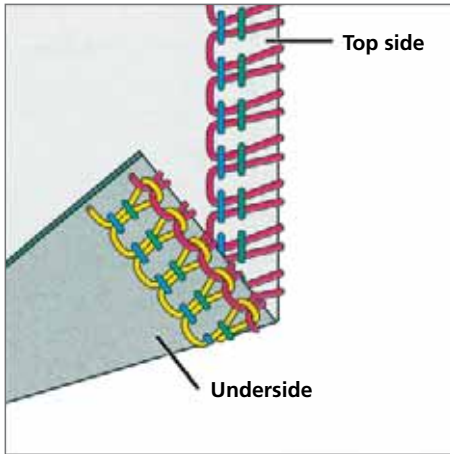
#### 1. Correct tension

Lower looper thread and upper looper thread should be well balanced with same tension (both looper threads should cross at the edge of the fabrics).

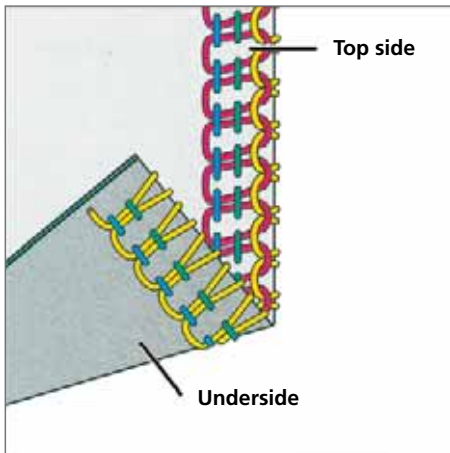
Needle threads should not be too loose or too tight, but equally balanced tension.



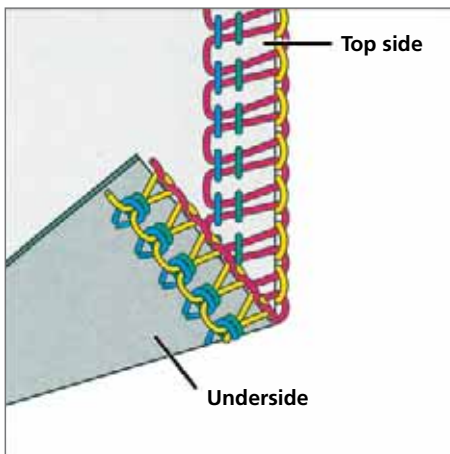




**2. When the upper looper thread is unbalanced and lies underneath the fabric:**  
Tighten the thread tension of the upper looper (Dial 3) or loosen the thread tension of the lower looper (Dial 4).



**3. When the lower looper thread is unbalanced and appears on the top-side of the fabric:**  
Tighten the thread tension of the lower looper (Dial 4) or loosen the thread tension of the upper looper (Dial 3).



**4. When the left needle thread is too loose:**  
Tighten the thread tension of the left needle (Dial 1) or loosen both looper threads (Dial 3 and 4).

**5. When the right needle thread is too loose:**  
Tighten the thread tension of the right needle (Dial 2).

### Differential feed adjustment


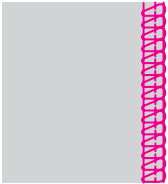
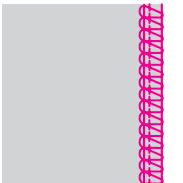
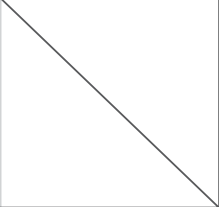
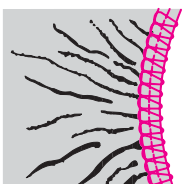
The feed dogs work independently of each other to give perfect results when sewing speciality fabrics.

Use differential feed to prevent stretching of knit fabrics and puckering of lightweight fabrics.

- “N” indicates the neutral position.



Refer to the following chart and test stitch performance on a scrap of fabric you are going to use.

	Fabric	Differential feed dial is set at “N”	Differential feed ratio	Result from adjustment
Stretch knit fabrics	Knit Jersey		N-2	
Non-stretch lightweight fabrics	Medium woven fabrics		N	
Lightweight fabrics	Georgette		0.7-N	



### Stitch width adjustment

Adjust the stitch width from 4.2 mm to 6.2 mm according to the kind of fabric. Typically, wider stitch widths are used for heavier fabrics.

The standard width is 4.5 mm.

Open the side cover to adjust the width.

- To increase the stitch width, turn the stitch width adjustment dial to a larger number.
- To decrease the stitch width, turn the stitch width adjustment dial to a smaller number.

This figure shows that the stitch width between the left needle and the edge of the fabric is 4.5 mm.



### Stitch length adjustment

The machine is pre-set to 2.5 mm stitch length for regular seaming and overlock. You may adjust the stitch length from 1 mm (narrow rolled hemming) to 5 mm by adjusting the stitch length adjustment lever.

For normal overlock, set the stitch length from 2.5 mm to 4.4 mm. A stitch length less than 2.5 mm is used only for rolled hemming.

Adjust the stitch length according to the fabrics and threads (see table on p. 20).

### Sewing curved seams

For inside curves, guide the fabric gently with the trimming line of the fabric under the presser foot.

By applying pressure to the fabric with your left hand, at the same time, apply a little pressure in the opposite direction with your right hand as shown.

For outside curves, apply pressure in the opposite direction of the above.



### 3-2 Setting waste tray

Insert the right end of the waste tray to the right leg of the machine as illustrated.

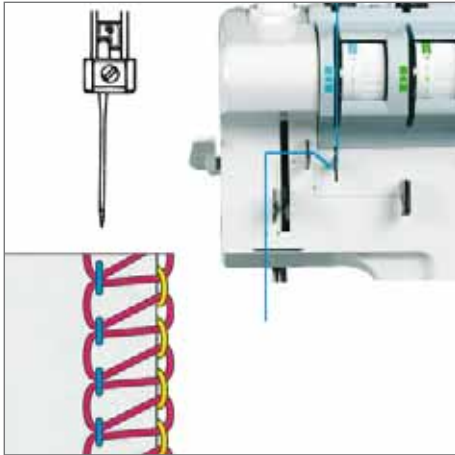
Turn the left end of the waste tray in the direction of arrow.



### 3-3 3-thread overlock stitch using 1 needle

Though this machine is used mainly for 4-thread overlock using 2 needles, 3-thread overlock with 1 needle can be easily operated by just removing either needle.

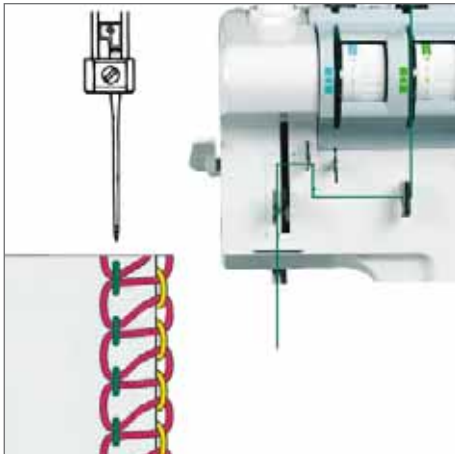
Use 3-thread stitch for decorative purposes.



### 1. Removing the right needle:

Create a wide 3-thread stitch by using only the left needle and the left thread tension (Dial 1).

The differential feed is normally set at “N” (see p. 16).



### 2. Removing the left needle:

Create a narrow 3-thread stitch by using only the right needle and the right thread tension (Dial 2).

The differential feed is normally set at “N” (see p. 16).

## 3-4 2-thread overlock stitch using 1 needle

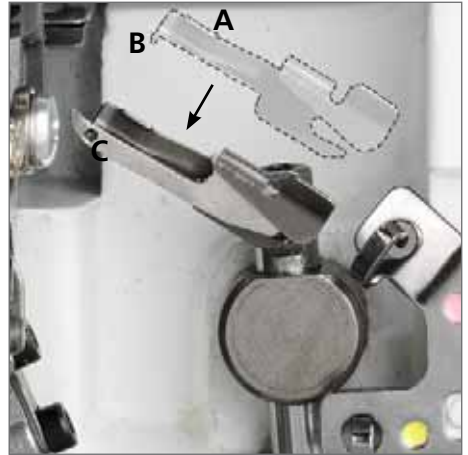
1. Use 1 needle thread (left needle or right needle) and lower looper thread. Remove upper looper thread.
2. Attach 2-thread overlock convertor to the upper looper.

## Conversion to 2-thread overlock





1. Open the front cover. Bring the upper looper to its lowest position by turning the handwheel towards you.

Put 2-thread overlock converter on the upper looper.

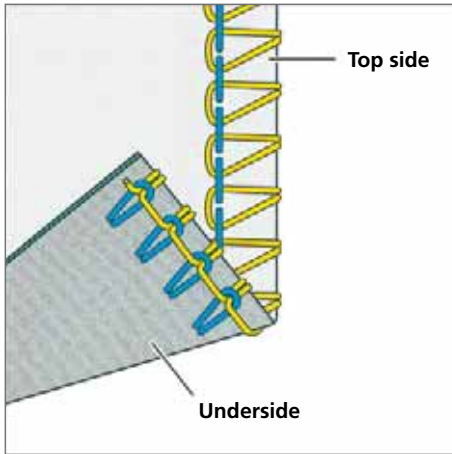
2. Push the projection (A) of converter and insert the tip (B) of converter into the eye (C) of upper looper.



## Stitch selection table

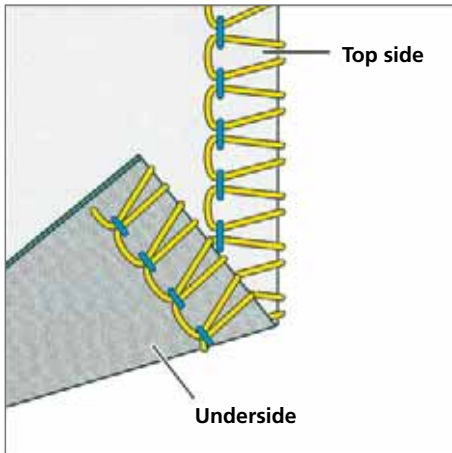
Thread tension / Pattern stitches	Material (see p. 29)	Left needle ▷ 	Right needle ▷ 	Upper looper ▷ 	Lower looper ▷ 	Stitch length dial	Stitch width adjusting dial
2-Thread Overlock (Narrow)	Light	-	1-2	-	3-4	2.5-3	4.5
	Medium	-	1-2	-	3-4		
	Heavy	-	2-3	-	4-5		
2-Thread Overlock (Wide)	Light	1	-	-	3-4	2.5-3	4.5
	Medium	1	-	-	3-4		
	Heavy	2	-	-	4-5		
2-Thread Narrow edge	Light	-	4-6	-	4-6	1-1.5	5.5
	Medium	-	4-6	-	4-6		
	Heavy	-	-	-	-		
2-Thread Rolled hem	Light	-	5-6	-	3-4	1-1.5	5.5
	Medium	-	5-6	-	3-4		
	Heavy	-	-	-	-		

Since above settings are based on normal weight thread, it may be necessary to adjust the thread tension according to the stitch pattern and type of fabric and thread you are using. The differential feed is normally set at “N”.



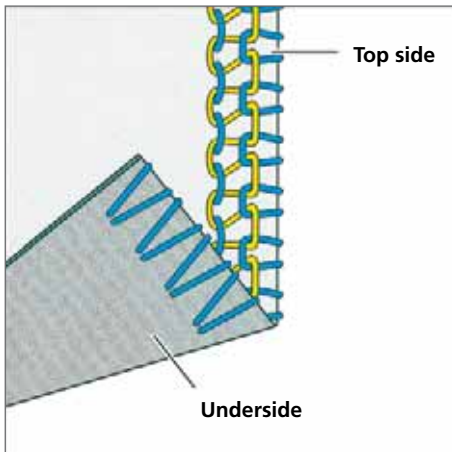
## Thread tension adjustment

### 1. Correct tension



### 2. Unbalanced lower looper thread wraps around the back.

Tighten the thread tension of the lower looper (Dial 4) or loosen the needle thread tension (Dial 2).



### 3. Needle thread unbalanced and too loose.

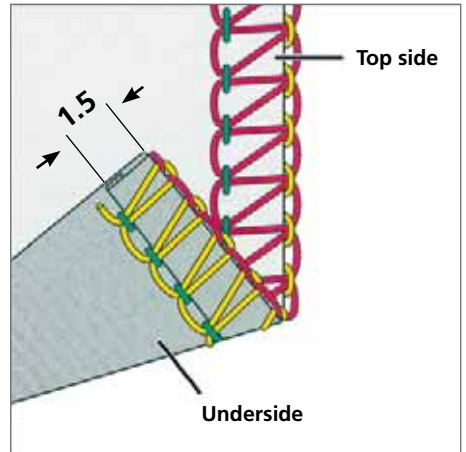
Tighten the needle thread tension (Dial 2) or loosen the tension of lower looper thread (Dial 4).

## 3-5 How to roll hem

### 3-thread rolled hem

Roller hemming is achieved by adjusting the thread tensions, so that the fabric is overlocked while rolling underneath at 1.5 mm width.

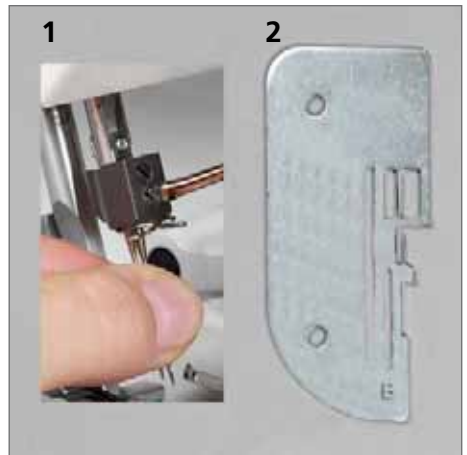
This is ideal for lightweight fabrics.



1. Remove the left needle (see p. 8).

2. Change the needle plate for rolled hemming.

For rolled hem sewing, use the needle plate marked “B” (the needle plate “A” is for normal sewing).

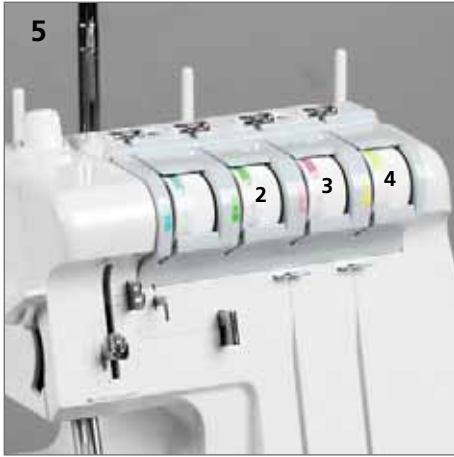


3. Set the stitch width dial between 4.5 and 5.5

4. Set the stitch length adjustment lever to 1.







5. The standard thread tensions are as follow:

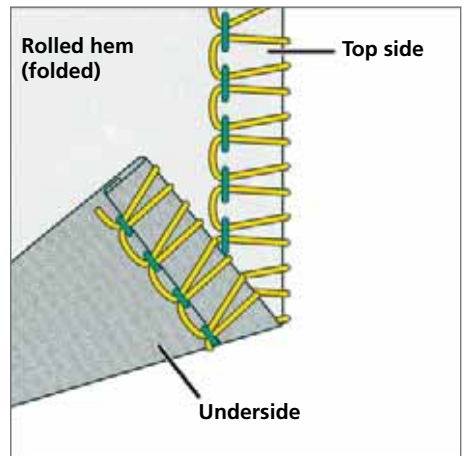
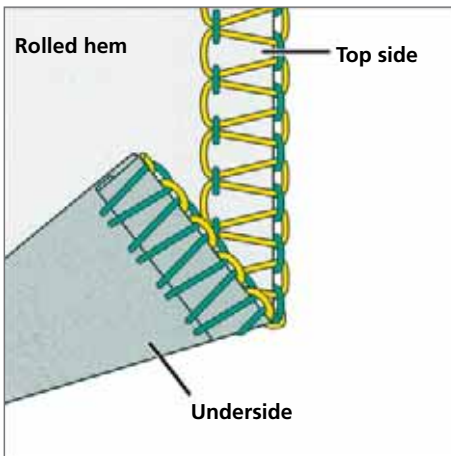
- Dial 2: Needle thread ..... 4-7
- Dial 3: Upper looper thread ..... 4-7
- Dial 4: Lower looper thread ..... 5-8

At the beginning of sewing, gently pull the end of the thread chain to get started.

Sew at an even speed with even feeding of the fabric for best results.

### 2-thread rolled hem

1. Convert to 2-thread overlock (see p. 20).
2. Use only the right needle and change the needle plate for rolled hemming (see p. 22).



		Rolled hem (folded)	Rolled hem
Stitch Width		5.5mm	5.5mm
Stitch Length		1-1.5mm	1-1.5mm
Differential Feed		N	N
Thread Tension	Right Needle Thread ②	6	5
	Upper Looper Thread ③	-	-
	Lower Looper Thread ④	3	5

### Standard chart for rolled hem (2-thread rolled hem)

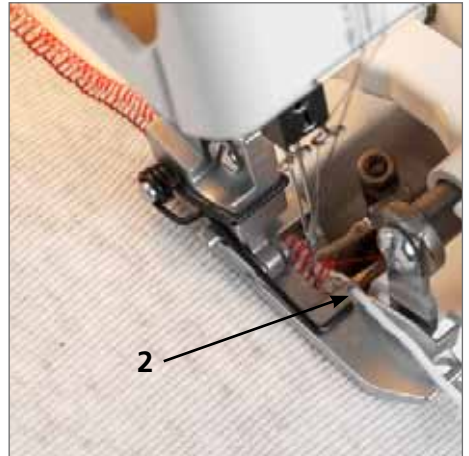
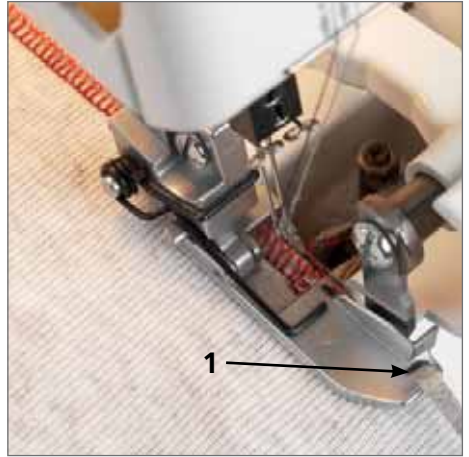
### 3-6 Corded overlock

Corded overlock can be used to strengthen stitches when joining elastic fabrics such as knits.

There are two ways to sew corded overlock.

1. Thread cord through the hole on the front of the foot. Place a slightly wide cord or tape (about 3 mm) under the right needle and start to sew catching cord or tape in stitching.
2. To sew a narrow cord, positioning it on the edge of the fabric encased in the overlock stitch.

Taping a seam can prevent knit fabrics from stretching and also stabilize the seams.



## 4. Maintenance

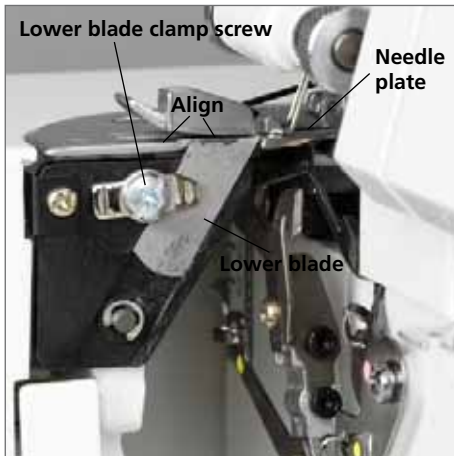
### 4-1 Replacing the blades

The upper blade and lower blade are made of a specially long-lasting steel and will seldom have to be replaced. However, when they do not cut the fabric, even though they are set in the right position, replace them as follow:



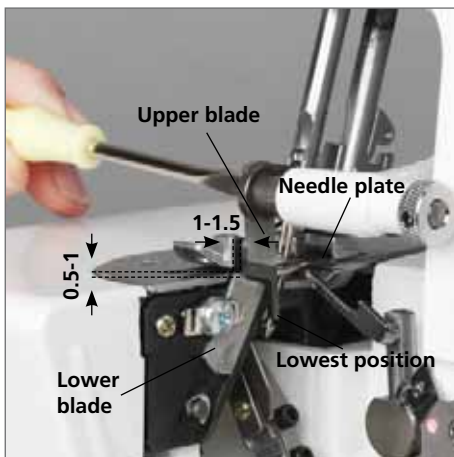
Unplug the machine.

Open the front cover.



#### Replacing the lower blade:


1. Turn the moveable blade to the non-operating position (see figure C, p. 10).
2. Loosen the lower blade clamp screw and remove the lower blade.
3. Place a new lower blade in the groove of the blade holder, align the cutting edge level with the top surface of the needle plate and tighten the clamp screw.
4. Return the moveable blade to its original position.



#### Replacing the upper blade:

1. Set the upper blade to its lowest position by turning the handwheel towards you.
2. Loosen the upper blade screw.
3. Place a new moveable blade in the groove of the moveable blade holder.
4. Make sure that the cutting position of the upper blade is positioned downwards 0.5 to 1.0 mm from the top of the cutting position of the lower blade.

## 4-2 Changing the light bulb

 Let the light bulb cool down before replacing it to avoid burning your fingers.

When the light does not come on even though the power switch is turned on, it is time to change the light bulb.

1. Unplug the machine.
2. Remove the light bulb cover.
3. Change the light bulb.
4. Replace the light bulb cover.

**Note:** The maximum power of the light bulb is 15W.



## 4-3 Oiling

Lubrication is not necessary for this machine since the major moving parts are all made of a specially-made oil infused metal. However, periodically one or two drops of oil at the oiling point shown will increase its durability.





## 4-4 Cleaning



Unplug the machine.

1. Open the front cover and the side cover (see p. 7).
2. Remove all the dust and lint using the brush provided.

## 4-5 Storage

1. When the machine is not in use, be sure to unplug the machine.
2. Cover the machine with the vinyl cover to protect from the dust.
3. Store the machine, so it is not exposed to direct sunlight or humidity.

## 4-6 Servicing

Any questions regarding service and/or operation are to be addressed to the store where the machine was purchased.

## 5. Sewing problems and their solutions

If the machine is used under normal conditions and the operating instructions are carefully followed, no difficult or special adjustment is necessary.

Following cases are not failure of the machine. Check your machine before you call for service.

<b>Problem</b>	<b>Cause</b>	<b>Solution</b>	<b>Reference page</b>
Machine does not sew	<ul style="list-style-type: none"> <li>• Not plugged in properly</li> </ul>	<ul style="list-style-type: none"> <li>• Plug the cord into the electrical outlet and the machine properly</li> </ul>	6
Machine does not feed properly	<ul style="list-style-type: none"> <li>• Pressure on the presser foot not sufficient</li> <li>• Differential feed not set correctly</li> </ul>	<ul style="list-style-type: none"> <li>• Increase the pressure by tightening the adjustment screw</li> <li>• Adjust the differential feed</li> </ul>	14 16
Needle breaks	<ul style="list-style-type: none"> <li>• Bent or dull needle</li> <li>• Needle inserted incorrectly</li> <li>• Pulling the fabric too firmly while sewing</li> </ul>	<ul style="list-style-type: none"> <li>• Insert new needle</li> <li>• Reset needle</li> <li>• Do not use force to pull the fabric</li> </ul>	8 8 12
Breaking threads	<ul style="list-style-type: none"> <li>• Improper threading</li> <li>• Thread tension(s) too tight</li> <li>• Incorrect tension setting of needle</li> </ul>	<ul style="list-style-type: none"> <li>• Rethread the machine</li> <li>• Reset thread tension(s)</li> <li>• Reset needle/change to new needle</li> </ul>	8-10 14 8
Skipping stitches	<ul style="list-style-type: none"> <li>• Bent or dull needle</li> <li>• Needle inserted incorrectly</li> <li>• Improper threading</li> </ul>	<ul style="list-style-type: none"> <li>• Insert new needle</li> <li>• Reset needle</li> <li>• Rethread the machine</li> </ul>	8 8 8-10
Irregular stitches	<ul style="list-style-type: none"> <li>• Tension not adjusted properly</li> </ul>	<ul style="list-style-type: none"> <li>• Check thread tensions</li> </ul>	14
Puckering	<ul style="list-style-type: none"> <li>• Needle thread tensions are too tight</li> <li>• Improper threading</li> </ul>	<ul style="list-style-type: none"> <li>• Loosen needle thread tension</li> <li>• Rethread the machine</li> <li>• Set differential feed between 0.7-N</li> </ul>	15 8-10 16

# 6. Table of sewing fabrics, needles and machine settings

	Light fabric (crepe, georgette)	Medium to heavy fabric (cotton, wool)	Heavy fabric (denim, jersey)	
Needle	HAX1SP HAX1T (130/705H)  (For home-use sewing machine)	#11  (75)	#11 or #14  (75) or (90)	#14  (90)
Thread	<ul style="list-style-type: none"> <li>• Polyester (spun filament)</li> <li>• Twisted thread #60/2~#80/2</li> <li>• Twisted thread #80/3~#100/3 (3-thread overlock)</li> </ul>	<ul style="list-style-type: none"> <li>• Twisted thread #60/2 (3- or 4-thread overlock)</li> </ul>	<ul style="list-style-type: none"> <li>• Twisted thread #60/2~#50/2 (3- or 4-thread overlock)</li> </ul>	
Needle thread tension	Loose	Medium	Tight	
Stitch width (between left needle and the edge)	4.2 - 4.5 mm	4.2 - 4.5 mm	4.5 - 6 mm	
Stitch length	2 - 2.5 mm	2.5 - 3.0 mm	3 - 4.4 mm	

**Note:** Use ball point needle for synthetic or stretch fabric.

## 7. Specifications

<b>Number of threads</b>	<b>4-threads (3-, 2-threads)</b>
<b>Number of needles</b>	<b>2 needles (1 needle)</b>
<b>Needles</b>	<b>Organ HAX1T #11, #14 (SCHMETZ 130/705H #75, #90)</b>
<b>Width between two needles</b>	<b>2 mm</b>
<b>Stitch width</b>	<b>Standard 4.5 mm (Range 4.2-6.2 mm)</b>
<b>Stitch length</b>	<b>1 - 4.4 mm</b>
<b>Differential feed</b>	<b>0.7 - 2</b>
<b>Maximum sewing speed</b>	<b>1200 RPM</b>
<b>Machine dimensions</b>	<b>Width 290mm Depth 220mm Height 330mm (Max. 550mm)</b>
<b>Weight</b>	<b>7.3 kg</b>



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We reserve the right to change the machine equipment and the assortment of accessories without prior notice, or make modifications to the performance or design.

Such modifications, however, will always be to the benefit of the user and the product.

### **Intellectual property**

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Please note that on disposal, this product must be safely recycled in accordance with relevant National legislation relating to electrical/ electronic products. If in doubt please contact your retailer for guidance.



