

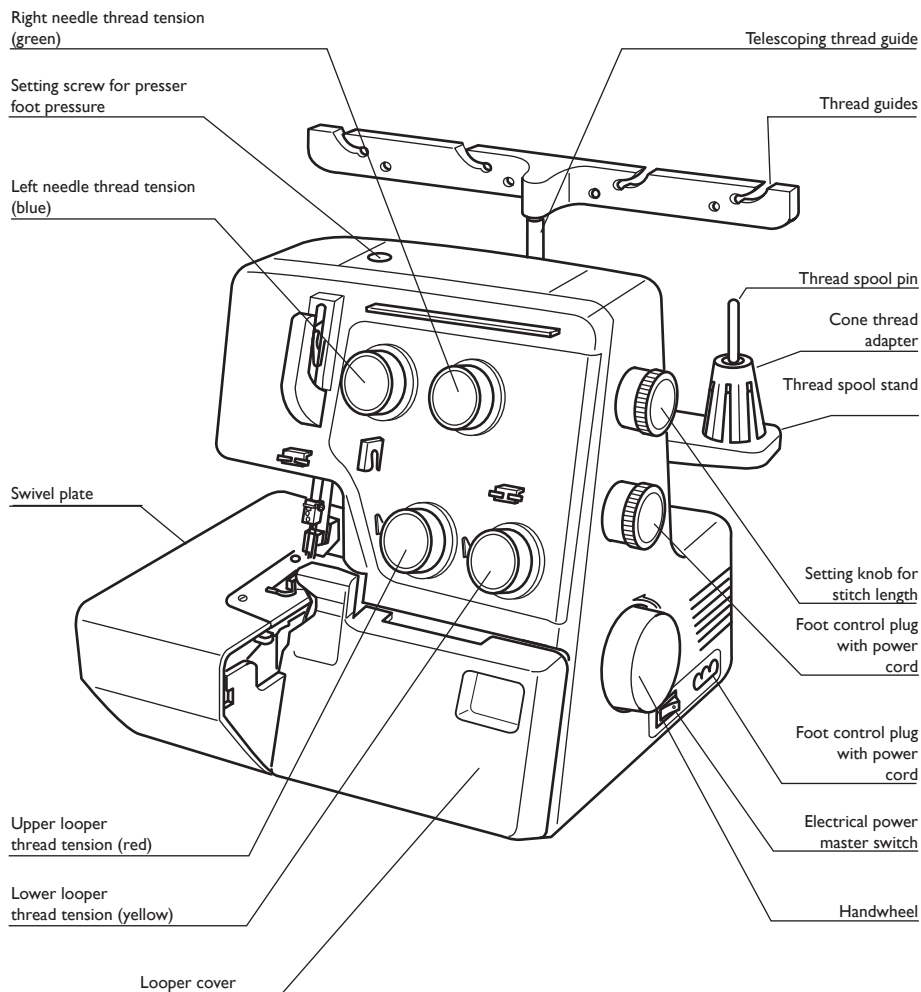
**PFAFF®**

hobbylock  
4752



Instruction Manual

## Parts of the hobbylock 4752



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 or infirm person.
- 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 authorised 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.
- 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 the 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.
- Hold plug when rewinding into cord reel. Do not allow plug to whip when rewinding.
- Keep fingers away from moving parts, especially the area near the blades.

# **SAVE THESE INSTRUCTIONS**



## Simple, up-to-date sewing

Congratulations! You have bought a high-quality product that provides unique advantages. Your new **hobbylock 4752** can take any material in its stride and will sew through thick and thin for you.

Your PFAFF hobbylock features the very latest in design and technology, and it is just as simple to operate as this instruction manual is to follow.

Before you start sewing, please take the time to read these instructions carefully. It is certainly time well spent, and is the best way to find out just what your machine can do and make full use of all its features.

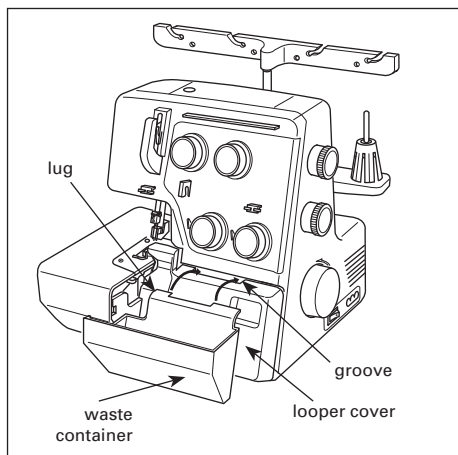
If you have any further questions, just ask your authorized PFAFF dealer. Your dealer is happy to be of service with any help or advice.

Let's get started! We wish you many enjoyable hours creating your very own fashions and projects!

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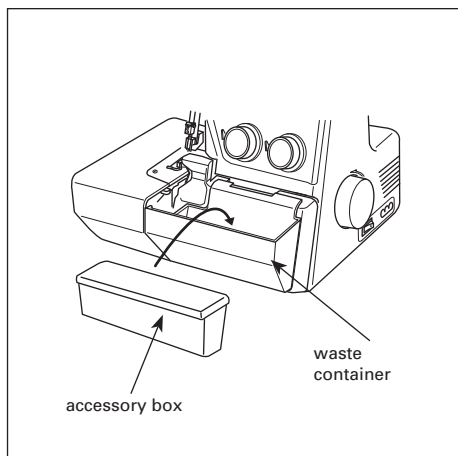
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### Attaching the waste container

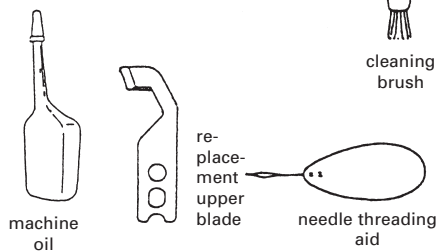
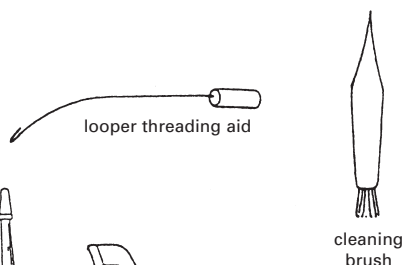
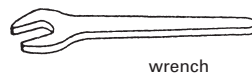
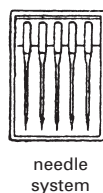
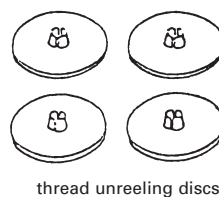
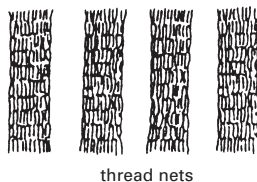
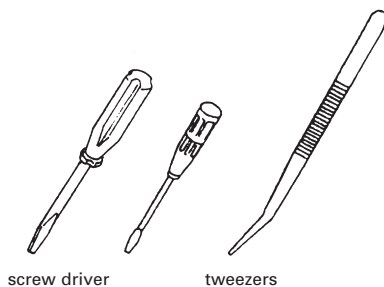
Guide the lug into the groove on the loop cover.



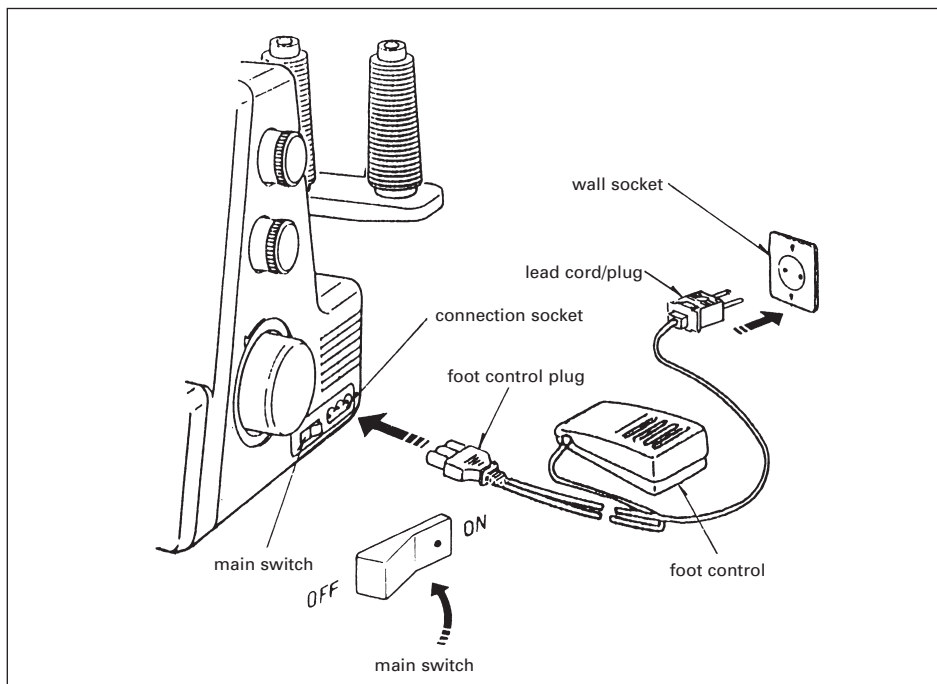
### Storing the accessory box

Place the accessory box in the waste container.

## Accessories







### Connecting the machine to the mains power supply



**Switch the main switch to OFF.**

Plug the foot control plug into the connection socket on the machine.

Plug the lead cord/plug into the wall socket.

Switch the main switch to ON.

### Notes on safety

This appliance has a polarized plug (one blade wider than the other).

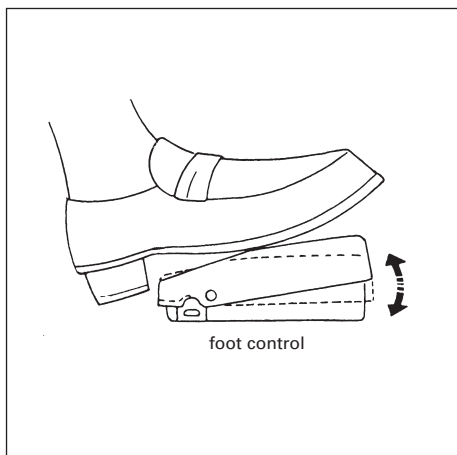
To reduce the risk of electric shock, it is designed to fit into a polarized outlet only one way. If the plug does not fit correctly into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet.

Do not modify the plug in any way.

Foot controller type YC-482J (120 V)/YC-550 (230 V)/YC-551 (240 V) has to be used with this overlock machine.

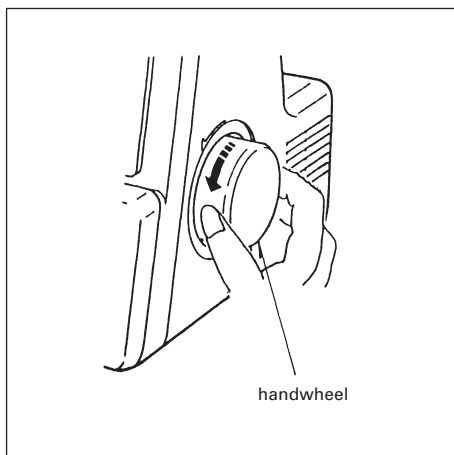
### For the USA and Canada

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.



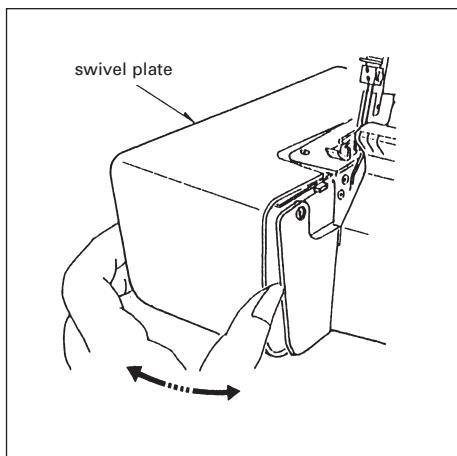
### Sewing speed

The sewing speed is regulated by activating the foot control. The further you press the foot control down, the faster the machine will sew.



### Direction of rotation of the handwheel

Always turn the handwheel towards you, as shown in the illustration (i.e. counterclockwise).

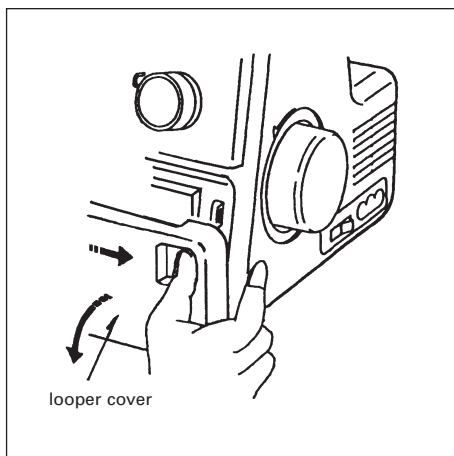


### Opening and closing the swivel plate

**Opening:** press the swivel plate towards the left.

**Closing:** press the swivel plate towards the right and slightly towards the machine.

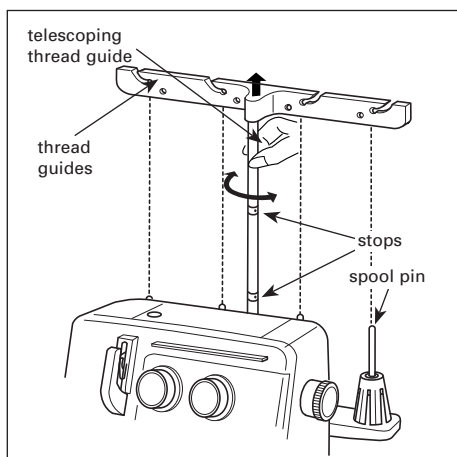
**Safety note:** the swivel plate and the looper cover must always be closed when the machine is used.



### Opening and closing the looper cover

**Opening:** Push the looper cover fully to the right and then swivel it down.

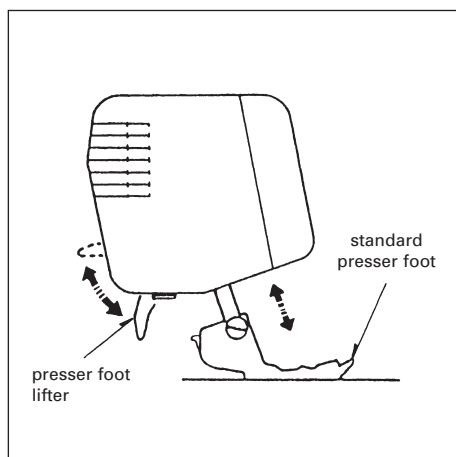
**Closing:** raise the looper cover and press it towards the machine. The looper cover snaps into place automatically.



### Telescoping thread guide

Pull the telescoping thread guide upward to its highest position.

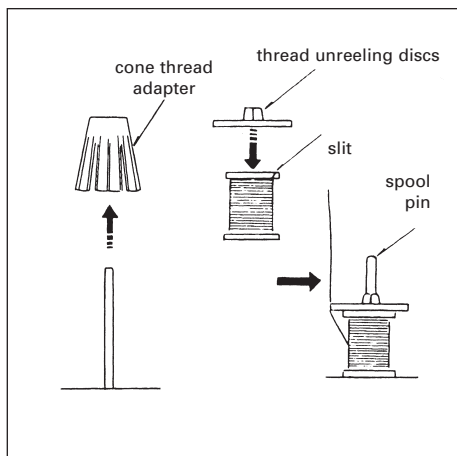
The two upper telescopes must be rotated slowly until their locking balls are heard to lock into place.



### Presser foot lifter

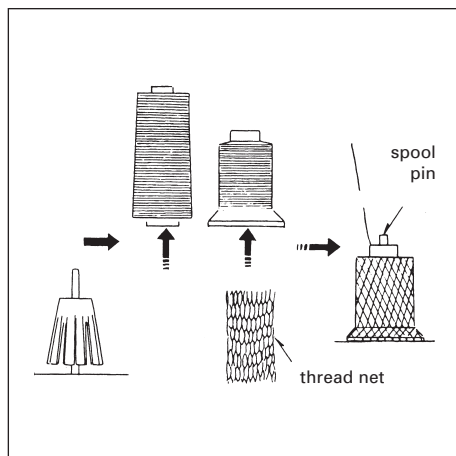
The presser foot can be raised and lowered using the presser foot lifter.

The presser foot must always be lowered when the machine is used.



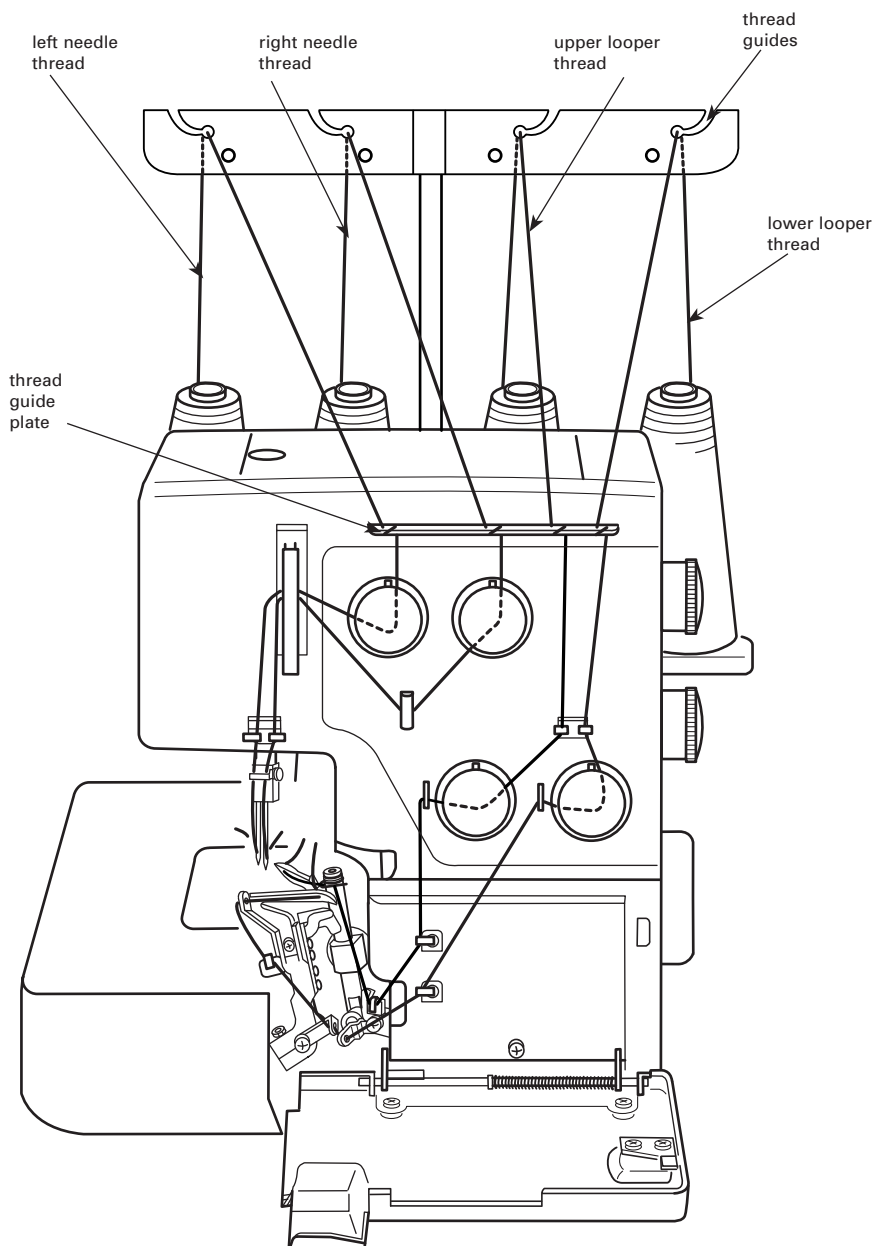
### Attaching the thread unreeling discs and the thread nets

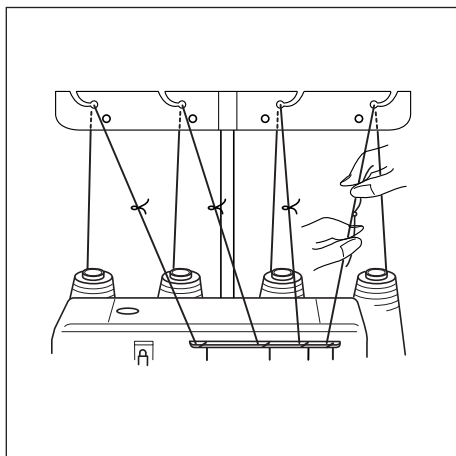
Pull the cone thread adapter off the spool pin when using a small spool. Place the spool on the spool pin in such a way that the slit is at the top and place the thread unreeling disc on top of the spool.



If the thread jumps off the spool during threading or sewing or if it slips out of the thread tensioners when sewing rolled hems, pull the enclosed net over the spool, as shown in the illustration. In this way, you can prevent the thread from jamming.

## Threading the machine

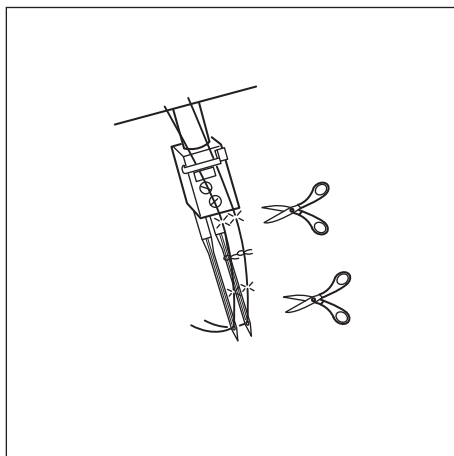




Before the machine leaves the factory, threads are already threaded and their ends are cut off. Tie one of these thread ends to the thread from a spool with an overhand knot, raise the presser foot and pull the new threads through the loopers. In order to thread the needle threads, pull the thread ends through until the knots reach the needle eye. Cut the threads on both sides of the knots. Rethread the eye of the needle with the needle threading aid (see Pages 16, 18). With this procedure, you can save a great deal of time when threading.

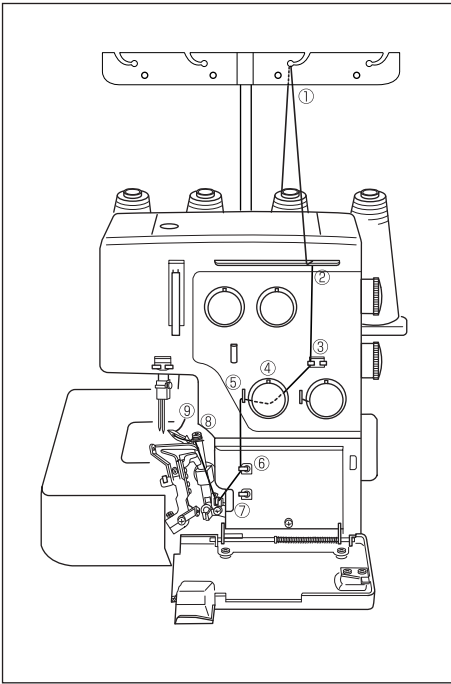
If the threads are not threaded in the machine, thread the upper looper thread (red) first, then the lower looper thread (yellow), the left needle thread (blue) and finally the right needle thread (green). Two threading diagrams are located behind the looper cover to help you correctly thread the machine.

Threads that are threaded incorrectly will lead to irregular (skipped) stitches, broken needles and uneven thread tension. Therefore always make sure that all the threads are perfectly threaded before beginning to sew.



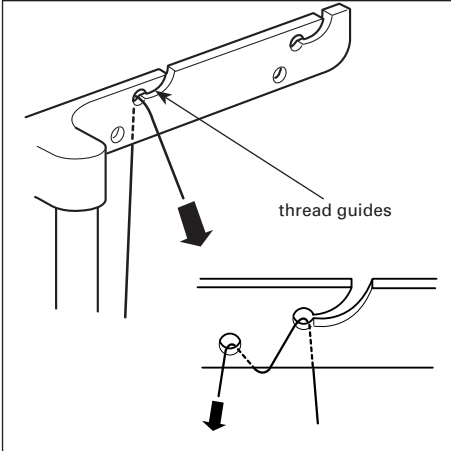
In order to replace spools, cut the threads between the thread guides and the thread guide plate. Thread the new threads in the manner described opposite.

In order to make threading easier, set the thread tension to "0". After threading, reset the thread tension to the desired number (see Pages 30, 31).

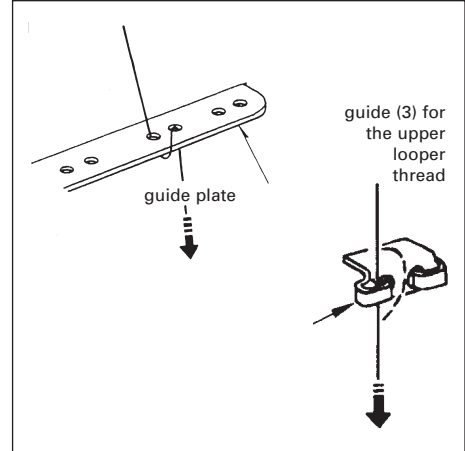


### Threading the upper looper (red)

Open the looper cover and the swivel plate. Place the spool on the second spool pin from the right. The guide points for the upper looper thread are marked in red. Two threading diagrams are located behind the looper cover to help you with the threading.

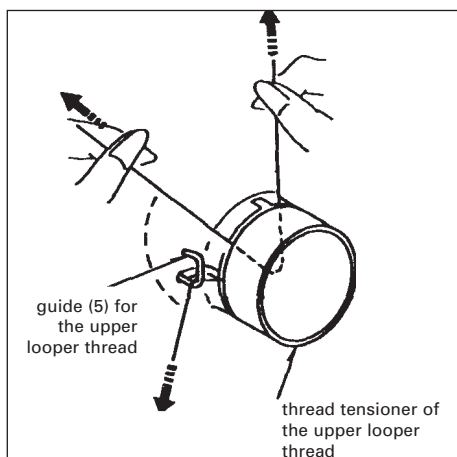


Guide the thread from the rear through the second thread guide from the right.



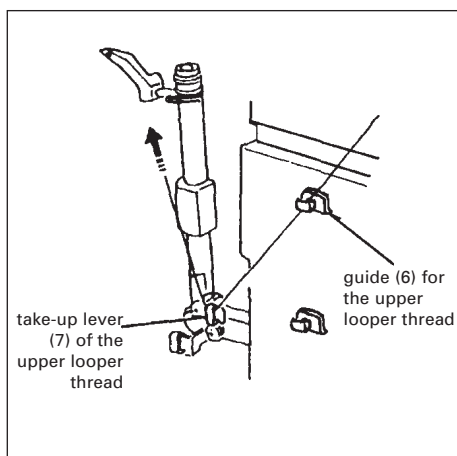
Guide the thread through the fourth and the third hole from the right on the thread guide plate, as shown in the illustration.

Guide the thread from the right to the left into the left guide (3).

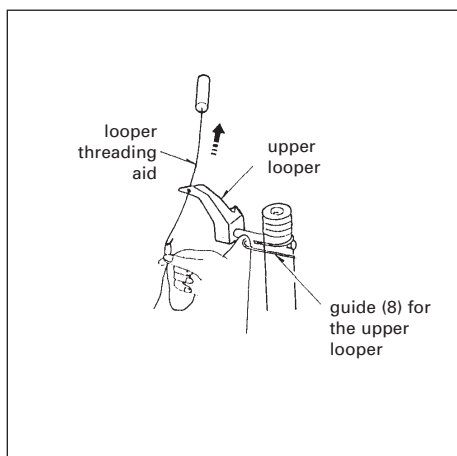


Guide the thread through from the right between the tension discs and pull the thread tight from both sides.

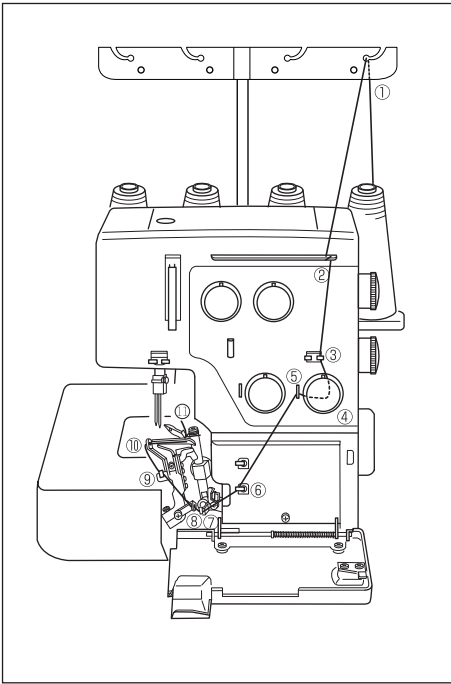
Feed the thread into the guide (5) for the upper looper thread.



Feed the thread into the guide (6) for the upper looper thread. Guide the thread into the take-up lever (7) of the upper looper thread.

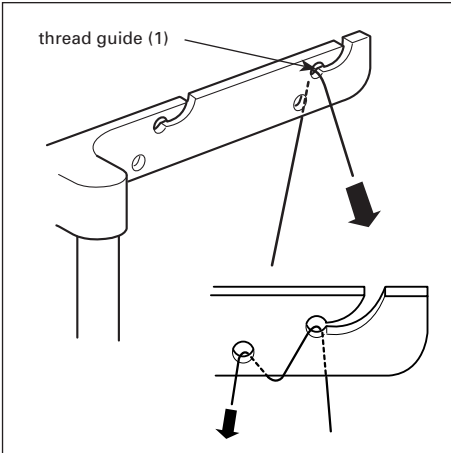


Feed the thread into the guide (8) of the upper looper. Feed the looper threading aid through the eye in the upper looper. Then hook the thread end into the looper threading aid and pull the latter with the thread through the eye. Remove the thread from the looper threading aid and pull on the free thread end until at least 10 cm (4") is showing beyond the eye. Lay the thread to the left under the presser foot. Close the swivel plate and the looper cover.

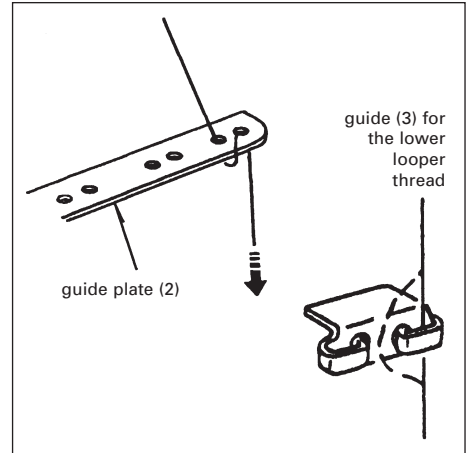


### Threading the lower loopers (yellow)

Open the looper cover and the swivel plate. Place the spool on the second spool pin. The guide points for the lower looper thread are marked in yellow. Two threading diagrams are located behind the looper cover to help you with the threading.



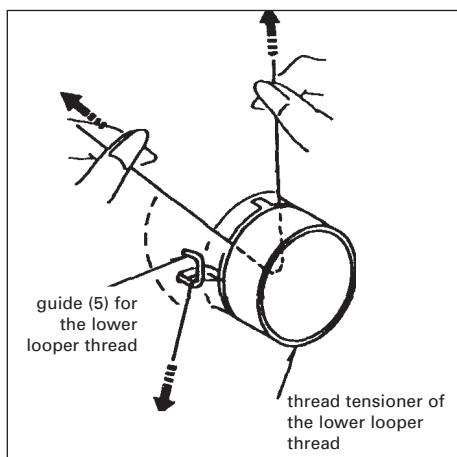
Guide the thread from the rear through the right thread guide (1).



Guide the thread through both the right holes on the thread guide plate (2), as shown in the illustration.

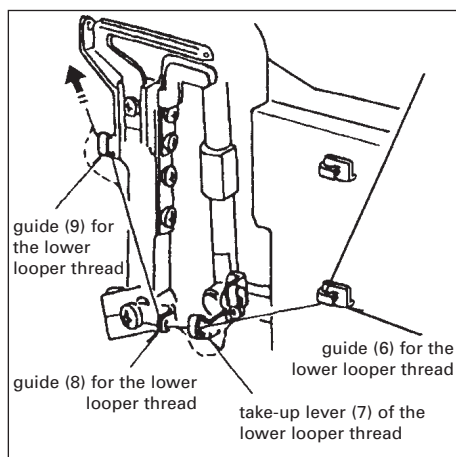
Guide the thread from the left to the right into the right guide (3).





Guide the thread through from the right between the tension discs and pull the thread tight from both sides.

Feed the thread into the guide (5) for the lower looper thread.

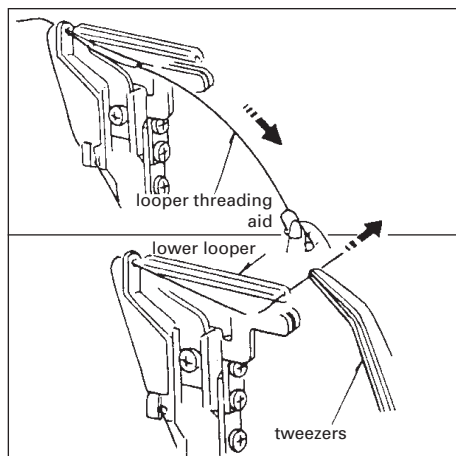
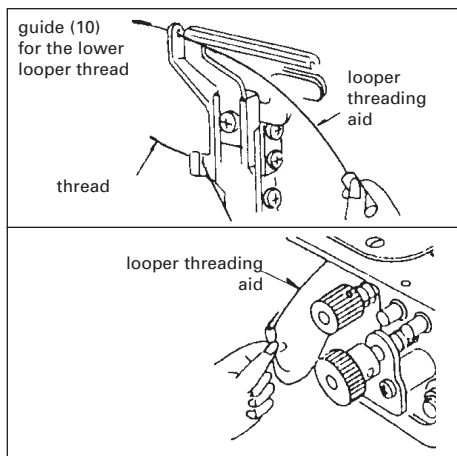


Feed the thread into the guide (6) for the lower looper thread.

Guide the thread into the take-up lever (7) of the lower looper thread.

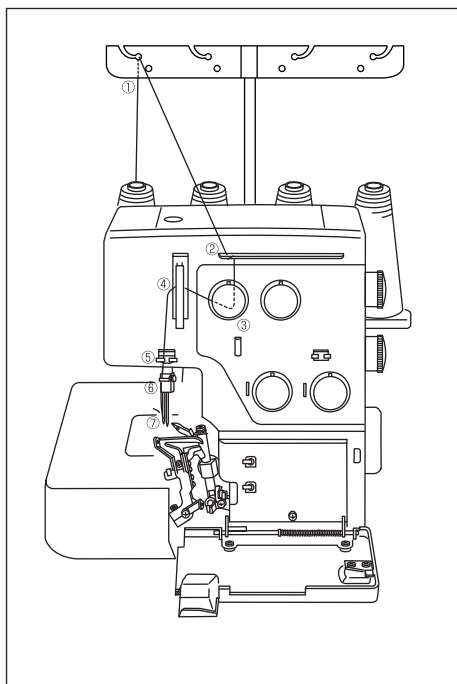
Feed the thread into the guide (8) for the lower looper thread.

Feed the thread into the guide (9) for the lower looper thread.



Turn the handwheel towards you (counter-clockwise), until the looper is on the extreme right. Feed the looper threading aid through the eye of the guide (10) for the lower looper. Then hook the thread end into the looper threading aid and pull the latter with the thread through the eye of the guide (10).

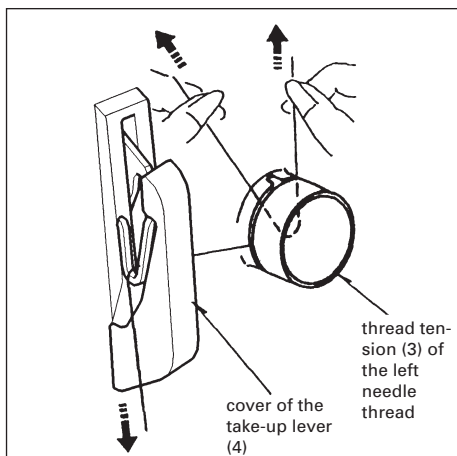
Remove the thread from the looper threading aid and using the tweezers pull on the free thread end until at least 10 cm (4") is showing beyond the eye of the lower looper. Lay the thread to the left under the presser foot. Close the swivel plate and the looper cover.



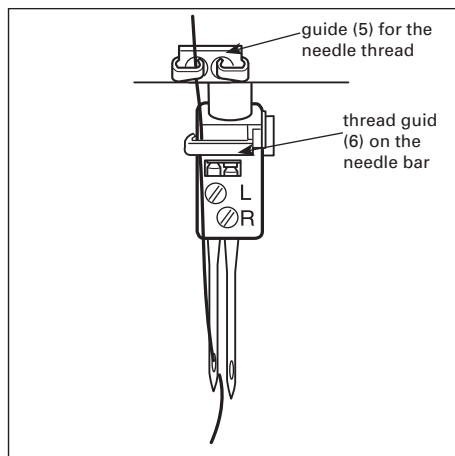
### Threading the left needle (blue)

Place the spool on the left spool pin. The guide points for the left needle thread are marked in blue. Two threading diagrams are located behind the looper cover to help you with the threading.

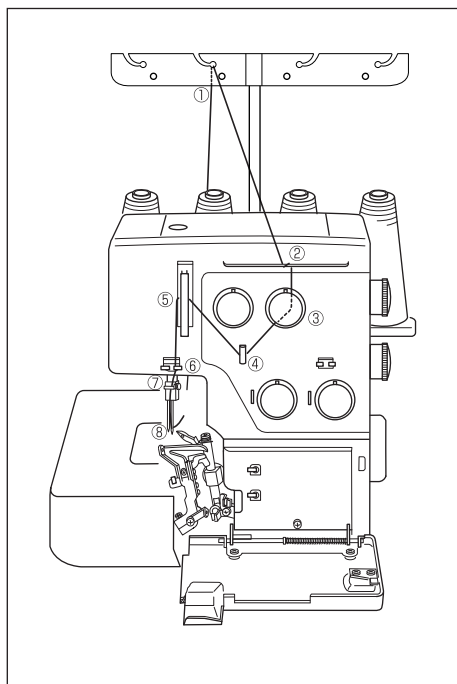
Guide the thread from the rear through the left thread guide (1) and both the left holes on the thread guide plate (2).



Guide the thread from the right between the tension discs and pull the thread tight from both sides. Raise the needle(s) to the high-est position by turning the handwheel towards you. Guide the thread into the take-up lever (4). Feed the thread from the right to the left into the left guide (5) for the needle thread.



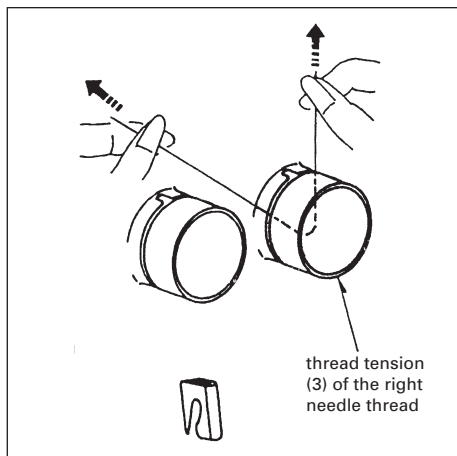
Feed the thread from the left to the right into the thread guide (6). Feed the needle threading aid through the needle eye from the rear. Then hook the thread end into the needle threading aid and pull the needle threading aid with the thread through the needle eye. Pull on the free thread end until at least 10 cm (4") is showing beyond the needle eye. Lay the thread to the left under the presser foot.



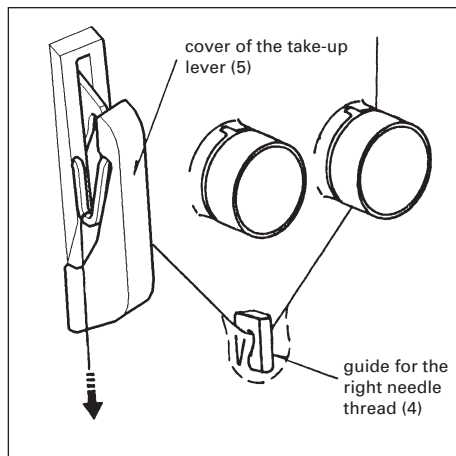
### Threading the right needle (green)

Place the spool on the second spool pin from the left. The guide points for the right needle thread are marked in green. Two threading diagrams are located behind the looper cover to help you with the threading.

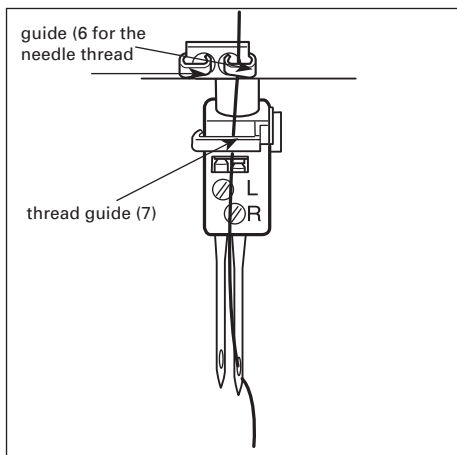
Guide the thread from the rear through the second thread guide (1) from the left. Guide the thread through the fourth and the third hole from the left on the thread guide plate (2).



Guide the thread from the right between the tension discs and pull the thread tight from both sides.



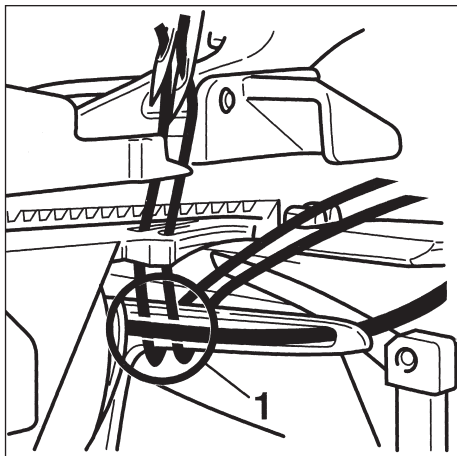
Raise the needle(s) to the highest position by turning the handwheel towards you. Guide the thread through the guide (4) for the right needle thread and through the take-up lever (5)



Feed the thread from the left to the right into the right guide (6) for the needle thread.

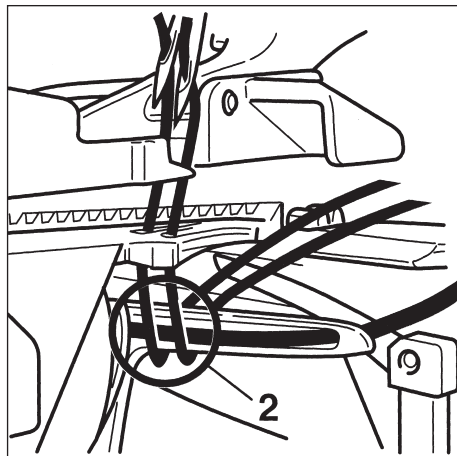
Feed the thread from the left to the right into the thread guide (7).

Feed the needle threading aid through the needle eye from the rear. Then hook the thread end into the needle threading aid and pull the needle threading aid with the thread through the needle eye. Pull on the free thread end until at least 10 cm (4") is showing beyond the needle eye. Lay the thread to the left under the presser foot.

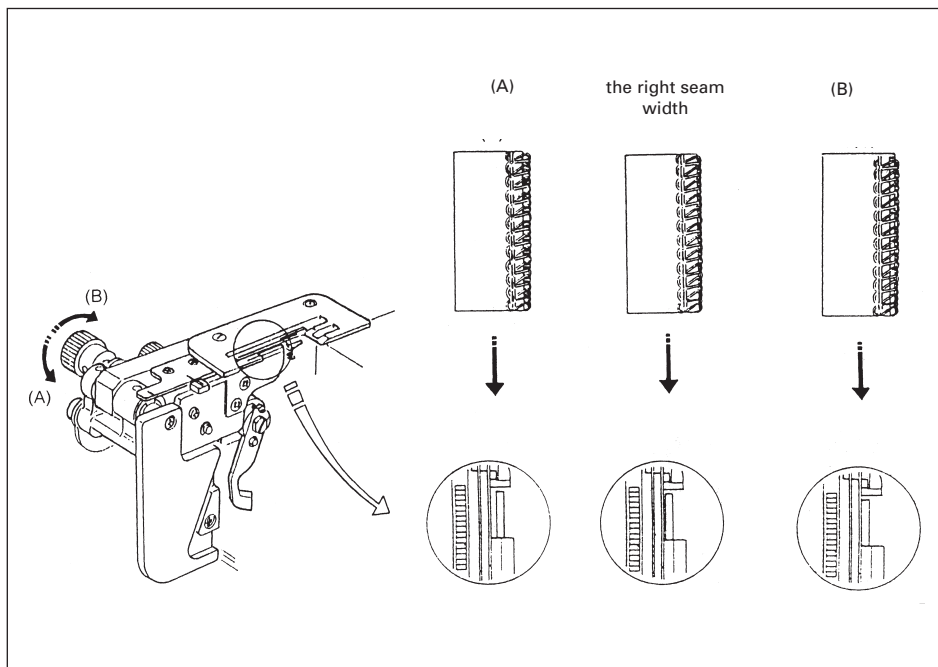


### Important note on threading

The needle(s) must always be threaded last so that the needle threads do not run under the looper thread as seen in drawing 1, but instead over the looper thread as depicted in drawing 2. Should this sequence not be followed, thread breakage or skipped stitches can occur.



If the looper threads break, you must pull the needle threads out of the needle eye, rethread the looper thread and then rethread the needle threads.



### Setting the seam width

Set the seam width as follows:

1. Switch the main switch to OFF and pull out the lead cord/plug.
2. Open the looper cover and the swivel plate.
3. Move the upper blade to its lower position (see Page 24).
4. Adjust the setting knob until the lower blade is in the desired position.

(A) The seam width is too small - there are extra loops.

Turn the setting knob clockwise. The lower blade moves to the right.

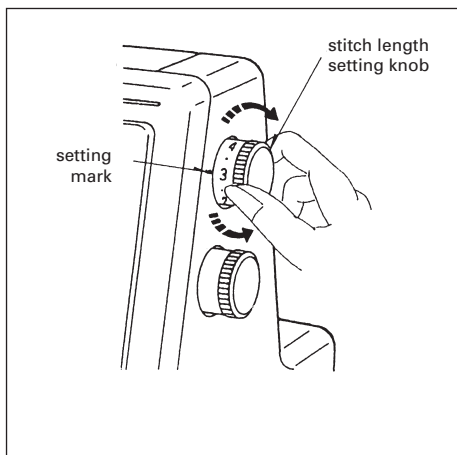
(B) The seam width is too large - the edge is rolling up.

Turn the setting knob counterclockwise. The lower blade moves to the left.

5. Move the upper blade to its upper position.
6. Close the looper cover and the swivel plate.

### Setting the seam width for rolled hems (Programs 05, 06)

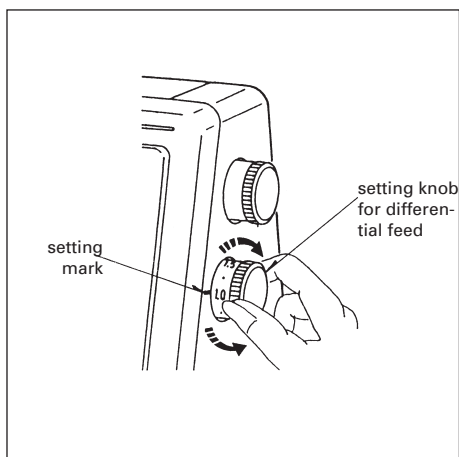
Turn the setting knob counterclockwise to an extremely narrow setting.



### Setting the stitch length

Turn the stitch length setting knob in such a way that the desired stitch length is indicated at the setting mark. The higher the number, the longer the stitch. The stitch length can be adjusted between 1 and 5 mm.

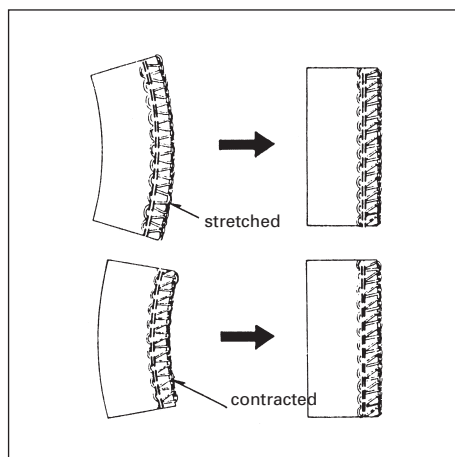
The setting **R** is used for sewing rolled hems.



### Setting the differential feed ratio

The differential feed ratio can be altered by turning the setting knob. The number at the setting mark shows the ratio between the two feed dogs arranged behind each other. The normal setting is 1.0.

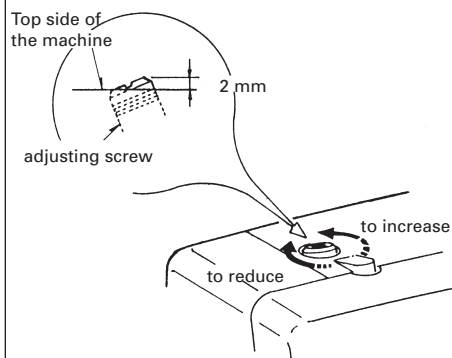
The maximum differential feed ratio (2.0) is only fully effective within the setting range from 1 to 3.3 on the stitch length setting knob. If the stitch length setting knob is set to a value between 3.3 and 5.0, the differential feed ratio is automatically adjusted to a value between 2.0 and 1.3.



### Setting:

- Turn the setting knob counterclockwise (towards 2.0) to achieve gathering effects on lightweight fabric or to smooth fabric that is being overly stretched out of shape.
- Turn the setting knob clockwise (towards 0.7) to achieve a ruffled (lettuce) effect on knit or bias-cut fabrics or to smooth fabric that is being contracted while sewing.

### Standard setting

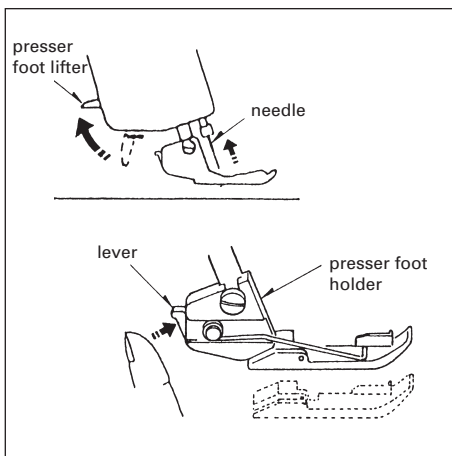


### Presser foot pressure

The presser foot pressure does not need to be adjusted for most fabrics. If you are working with light or heavy fabrics then you may need to adjust the pressure. In this case set the adjusting screw as follow:

- for heavyweight fabrics increase pressure by turning the adjusting screw to the right
- for lightweight fabrics reduce pressure by turning the adjusting screw to the left

Adjust the adjusting screw for normal sewing work in such a way that its upper edge protrudes 2 mm out from the top side of the machine (see illustration).

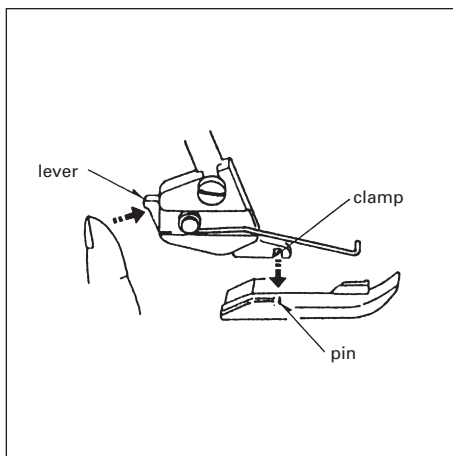


### Removing the presser foot



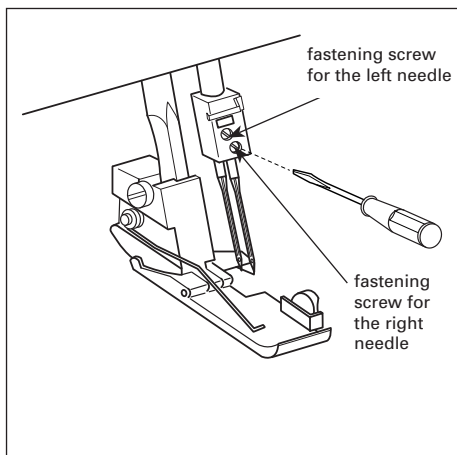
**Turn the machine off.**

Raise the needle(s) to the highest position. Raise the presser foot and press the lever at the rear of the presser foot holder. The presser foot will be released automatically from the holder.



### Attaching the presser foot

Place the presser foot beneath the presser foot holder, until the pin of the foot is directly under the presser foot holder clamp. Lower the presser foot holder and press lever until the foot then clicks into place. Lift the presser foot lever to check that the presser foot is properly locked into place.



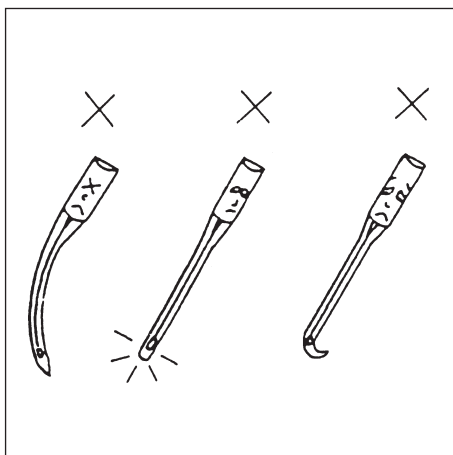
### Changing the needle



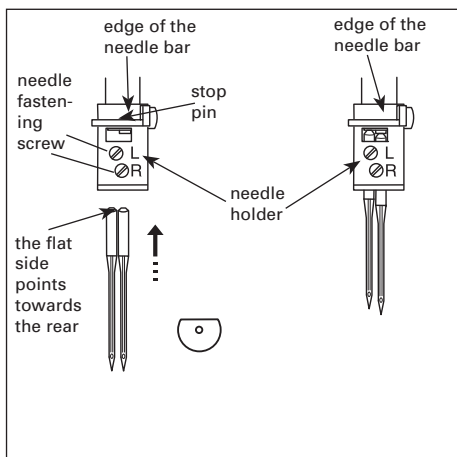
**Switch the main switch to OFF.**

Move the needle(s) to the highest position. Loosen the fastening screw of the needle that is to be changed.

Needle system HA X 1SP (130/705 H-PS) is required for this machine.



Do not use bent or blunt needles.



### Inserting the right needle

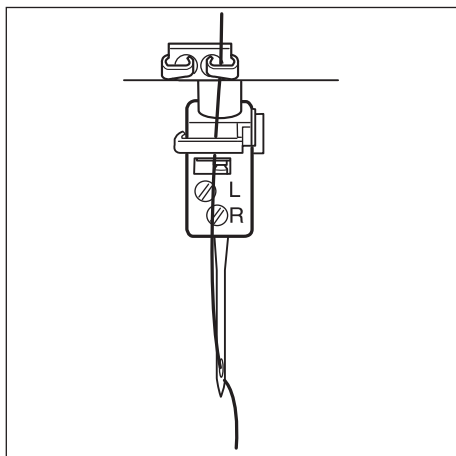
Insert the new needle in such a way that the flat side points towards the rear. Push the needle upward until it touches the stop pin. Tighten the fastening screw of the right needle.

### Inserting the left needle

Insert the new needle into the needle holder in such a way that the flat side points towards the rear. Push the needle upward until it touches the edge of the needle bar. Tighten the fastening screw of the left needle.

- If the needles are inserted correctly, the position of the left needle should be slightly higher than that of the right needle.



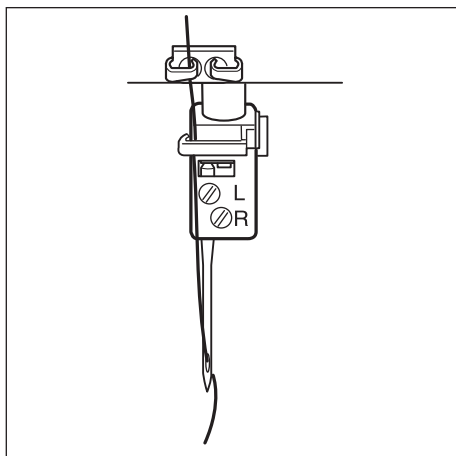


**Use of the right needle only  
(for 3-thread seams with a narrow seam  
width)**



**Turn the machine off.**

Remove the left needle and the left needle thread. Tighten the left needle fastening screw again slightly so it does not fall out.



**Use of the left needle only  
(for 3-thread seams with a wide seam  
width)**

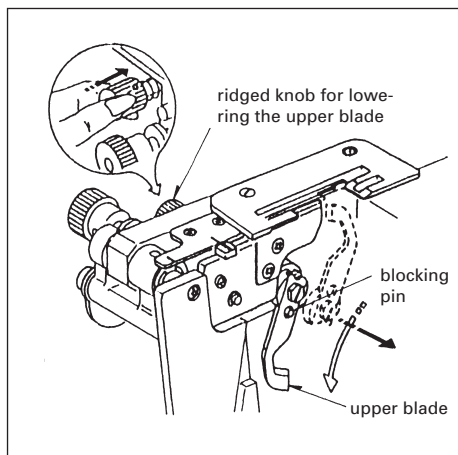


**Turn the machine off.**

Remove the right needle and the right needle thread. Tighten the right needle fastening screw again slightly so it does not fall out.

### **Changing the needle when sewing with three threads**

Undo both needle fastening screws and remove the old needle. Insert the new needle as far as it will go and tighten the relevant fastening screw. Also tighten the other fastening screw slightly so it does not fall out.

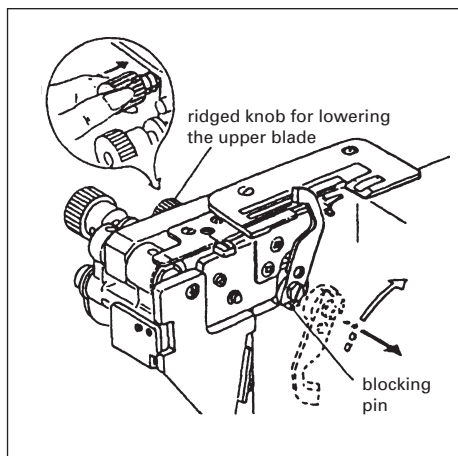


### Disengaging the upper blade



**Turn the machine off.**

- Open the looper cover and the swivel plate.
- Push the ridged knob for lowering the upper blade to the right and turn it towards you. Guide the upper blade over the blocking pin so that the upper blade engages in its lower position.
- Close the looper cover and the swivel plate.

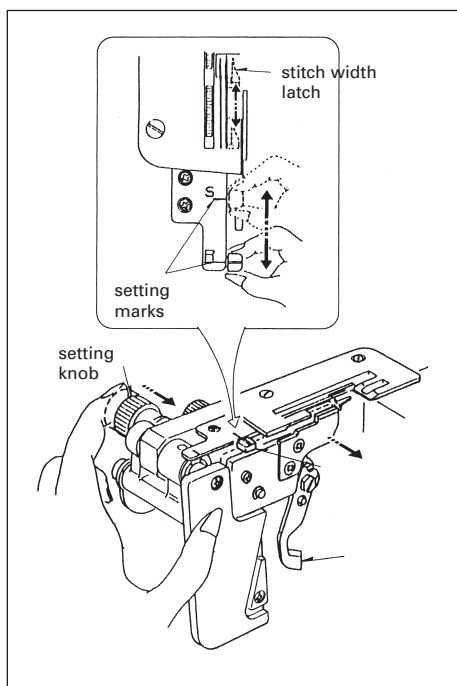


### Engaging the upper blade



**Turn the machine off.**

- Open the looper cover and the swivel plate.
- Push the ridged knob for lowering the upper blade to the right and turn it away from you. Guide the upper blade over the blocking pin so that the upper blade engages in its upper position again.
- Close the looper cover and the swivel plate.

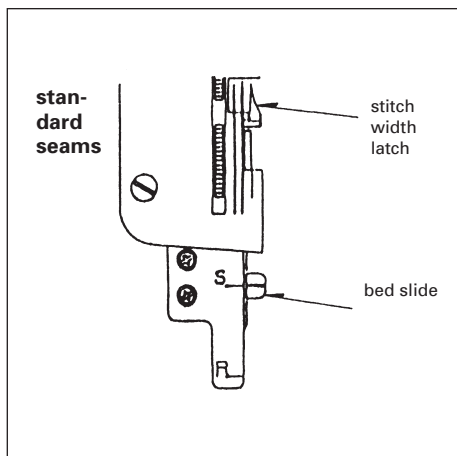


### Setting the stitch width latch (for standard overlock seams or rolled hems)

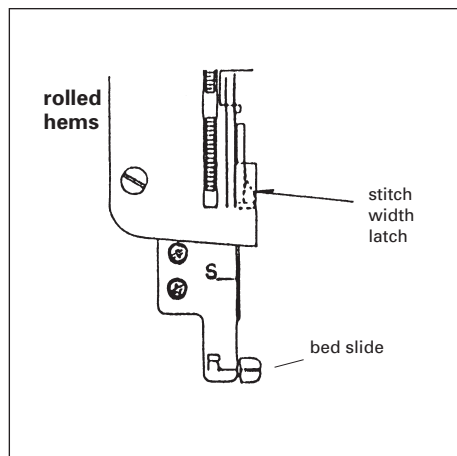


**Switch the main switch to OFF.**

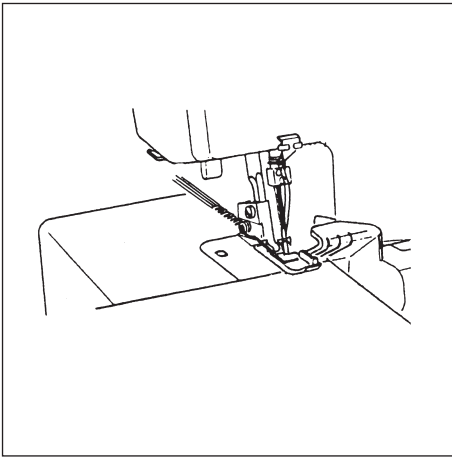
- Open the looper cover and the swivel plate.
- Disengage the upper blade (see Page 24).
- Press the stitch width setting knob towards the right and push the bed slide of the stitch width latch to the setting mark S (standard) or R (rolled hem). Then release the setting knob again slowly.
- Move the upper blade to its upper position.
- Close the looper cover and the swivel plate.



Set the bed slide for the stitch width latch to position S. The stitch width latch will be pushed forward. This setting allows you to sew all types of standard overlock seams.

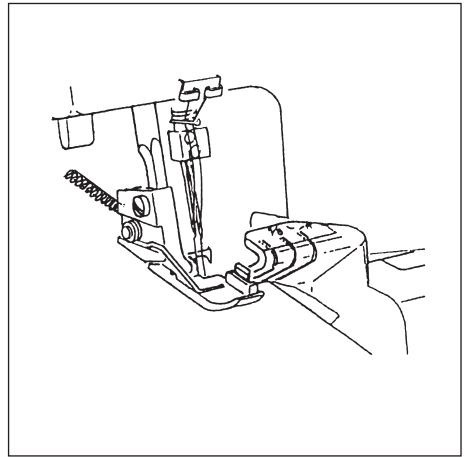


Set the bed slide for the stitch width latch to position R. The stitch width latch will be pushed backward. This setting allows you to sew all types of rolled hems.



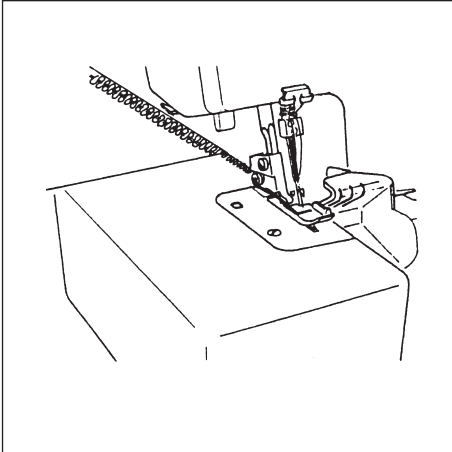
### Starting sewing

Lay the sewing material under the front of the presser foot (it is not necessary to raise the presser foot). Turn the handwheel carefully a few revolutions towards you and check the thread chain. Start sewing slowly. The sewing material is fed automatically. Guide the sewing material in the desired direction.



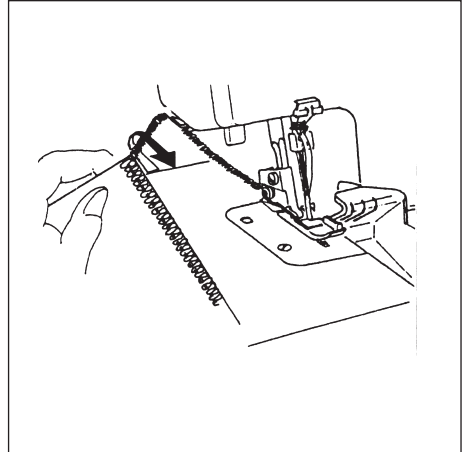
### Using the seam guidelines

On the top side of the looper cover, you will find seam guidelines which indicate the distance from the needles. These guidelines should help you to properly position your fabric when sewing.

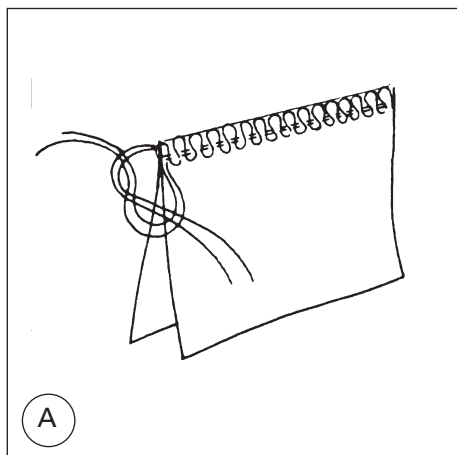


### Finishing sewing

When you have completed your seam, allow the machine to continue to sew slowly until the thread chain has attained a length of approx. 12 cm (4 3/4"). At the same time, pull the thread chain gently towards the rear.



Cut the threads off using the thread cutter, as shown in the illustration. Leave a thread chain approx. 5 cm (2") long beyond the end of the fabric.

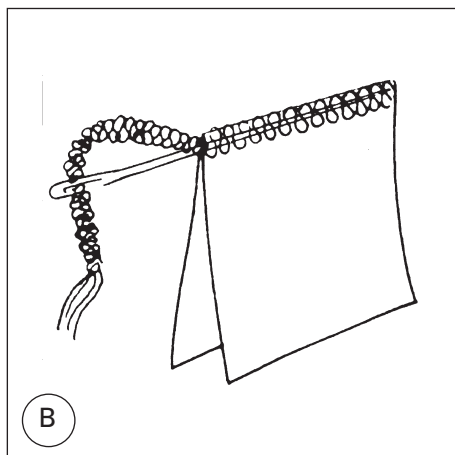


A

### Securing the seam ends

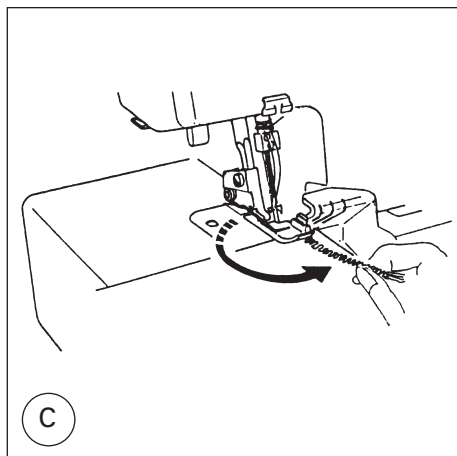
Leave a thread chain of approx. 5 cm (2") in length extending at the beginning and the end of the seam to prevent the seam from coming undone. Secure the thread chain at the beginning and end of the seam using one of the following methods.

Separate the individual thread ends and knot them together.



B

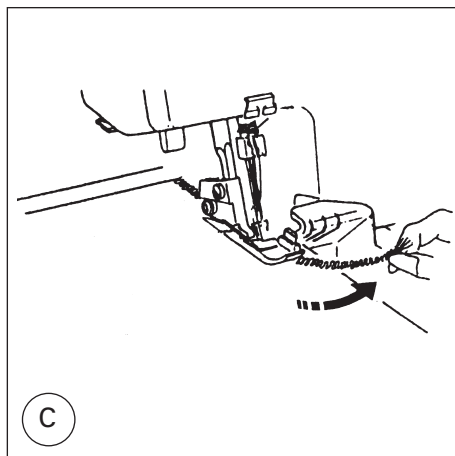
Thread the thread chain into a needle with a large eye and pull the thread chain into the overlock stitches of the sewing fabric.



C

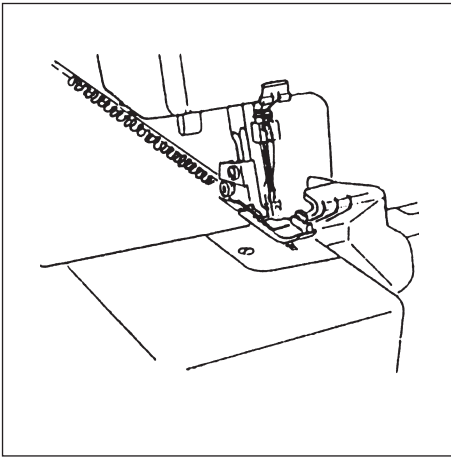
### Stitching the beginning of the seam

1. Before inserting fabric under the presser foot, serge a thread chain of approx. 5 cm (2") in length.
2. Insert the sewing fabric into the machine and sew 2-3 stitches into the fabric.
3. Raise the presser foot, guide the thread chain to the left around the presser foot towards the front and lay the thread chain under the presser foot.



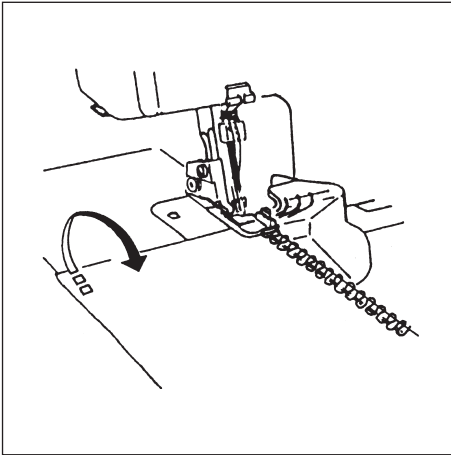
C

4. Pull the thread chain slightly taut towards the upper blade. Lay the thread chain under the upper blade. Hold the thread chain firmly in this position, lower the presser foot and begin to sew.
5. The upper blade will cut off the excess thread chain, leaving an overstitched seam of approx. 2.5 cm (1").

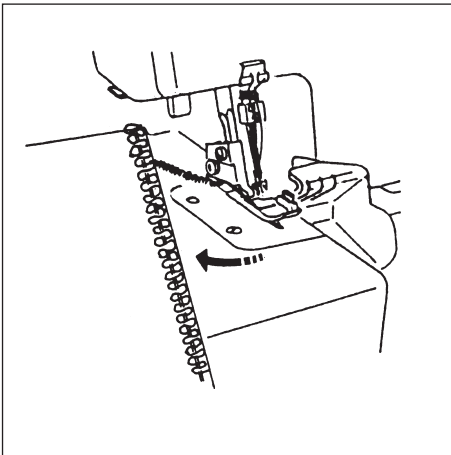


### Stitching the end of the seam

1. Sew 2-3 stitches off the end of your fabric.
2. Turn the needles to their highest position and raise the presser foot.


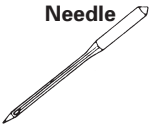


3. Flip the fabric over so the bottom side is now on the top. Pull the fabric around so it is positioned under the presser foot and in front of the needles. Make sure the fabric is not positioned in the path of the upper blade.

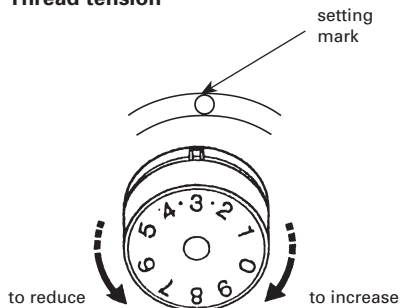


5. Lower the presser foot, sew approx. 2.5 cm (1") over the seam and pull the fabric away to the side at an angle, sewing off the fabric.

## Threads and needles chart

	Light fabrics	Medium-heavy fabrics	heavy fabrics	Knitwear
Fabric	organdy, georgette, batiste, crepe-de-Chine, lining fabrics	cotton, linen, satin, standard fabrics	tweed, upholstery fabric, denim, heavy cloth	knitwear
Thread 	cotton: no. 80 - 100 silk: no. 80 - 100 synthetic thread: No. 80 - 100	cotton: no. 50 - 100 silk: no. 50 - 100 synthetic thread: No. 50 - 100	cotton: no. 50 - 60 silk: no. 50 - 60 synthetic thread: No. 50 - 60	cotton: no. 50 - 60 synthetic thread: no. 50 - 60 cotton nylon + polyester thread (looper thread)
Needle 	130/705 H-PS 70/80	130/705 H-PS 80/90	130/705 H-PS 80/90	130/705 H-PS 90

### Thread tension



### Setting thread tension


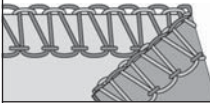

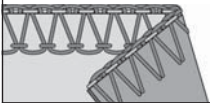

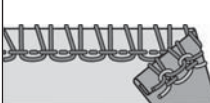
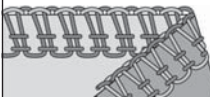
The following pages contain directions for setting thread tensions for all programs. Adjust the tension by turning the tensioning wheel until the dot marker is at the desired setting.

The settings for adjusting thread tension are recommendations. Fabric type, thread quality and needle gauge will influence seam results. Always sew off a test seam onto a piece of scrap fabric and check the thread loops. Adjust the thread tension if necessary.

**Tip:** as practice, use threads that match the tension dials, e.g. thread the upper looper with red thread, the lower looper with yellow thread, etc.

**Note:** in the program overview on Pages 30 and 31, you will find the appropriate settings for each individual program.

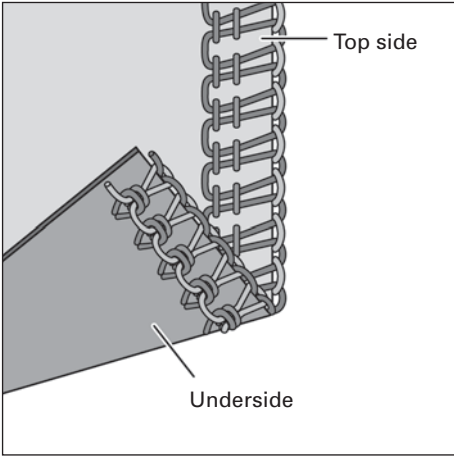
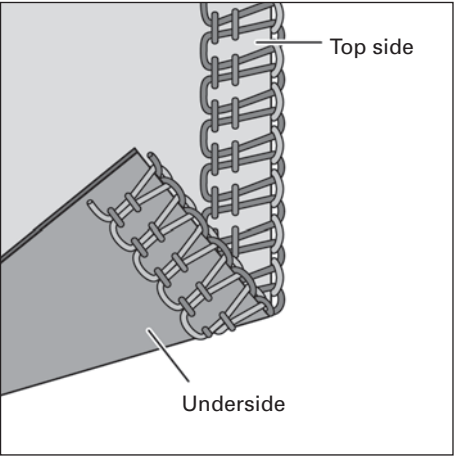
## Program overview

Program		Application	Needle position L = left R = right
	<b>Program 01</b> 3-thread overedge, narrow	Serging light (easily frayed) fabrics.	<b>R</b>
	<b>Program 02</b> 3-thread overedge, wide	Serging tightly woven (easily frayed) fabrics.	<b>L</b>
	<b>Program 03</b> 3-thread flatlock, narrow	Serging medium-heavy fabrics. As a flatlock seam, for joining stretch fabrics and decorative finished edges.	<b>R</b>
	<b>Program 04</b> 3-thread flatlock, wide	Serging medium-heavy fabrics. As a flatlock seam, for joining stretch fabrics and decorative finished edges.	<b>L</b>
	<b>Program 05</b> 3-thread rolled hem	Serging light to medium-heavy fabrics. Decorative edges.	<b>R</b>
	<b>Program 06</b> Folded 3-thread rolled hem	Serging light to medium-heavy fabrics. Decorative edges.	<b>R</b>
	<b>Program 07</b> 4-thread overedge	Joining and simultaneous serging of all fabrics, in particular stretchy fabrics.	<b>LR</b>



Thread tension: The values refer to medium-heavy fabrics and normal polyester thread				Stitch length	Position of stitch width latch
blue	green	red	yellow		
	3	3	3	3	S
3		3	3	3	S
	0	2	3	3	S
0		2	3	3	S
	4	3	3	R	R
	4	3	8 – 9	R	R
3	3	3	3	3	S

Seam pattern

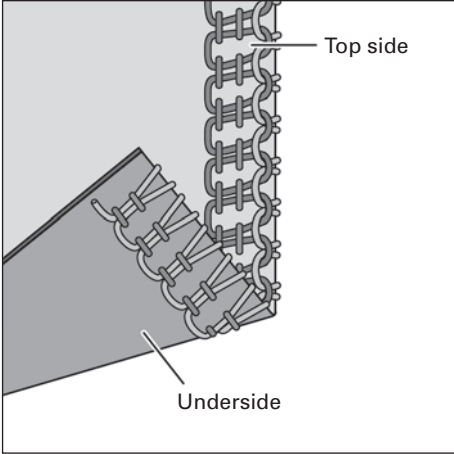
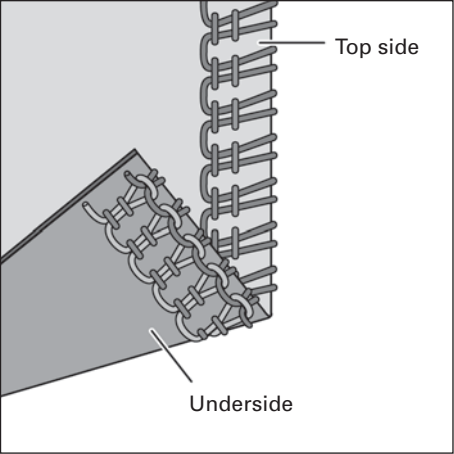


Stitch formation correction measures  
4-thread overedge seam (program 07)

blue	green	red	yellow
3	3	3	3

When all tensions are correctly set, the loops of both looper threads are directly on the edge of the fabric.

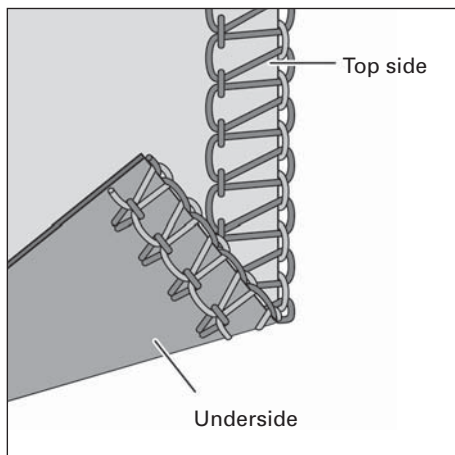
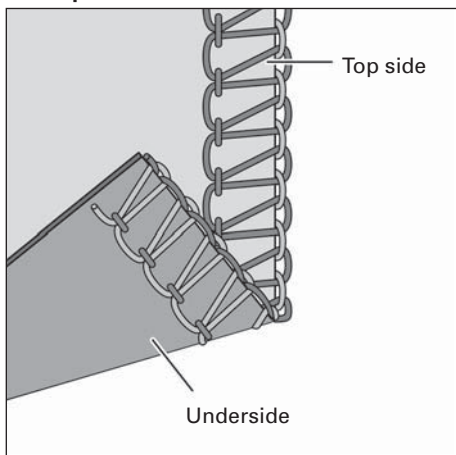
The left **needle thread** (blue) is too loose.  
Set the blue thread tension to a higher value.



The **upper looper thread** (red) appears on the underside of the fabric.  
Set the red thread tension to a higher value and/or the yellow thread tension to a lower value.

The **lower looper thread** (yellow) appears on the top side of the fabric.  
Set the yellow thread tension to a higher value and/or the red thread tension to a lower value.

## Seam pattern



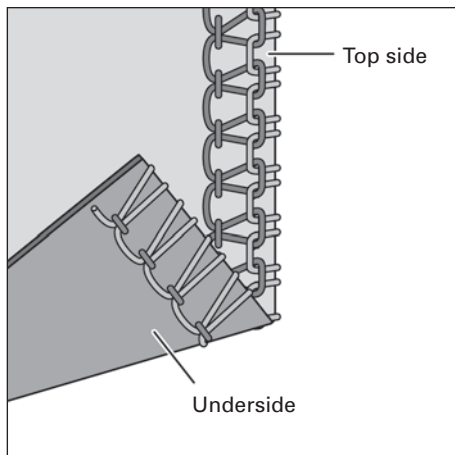
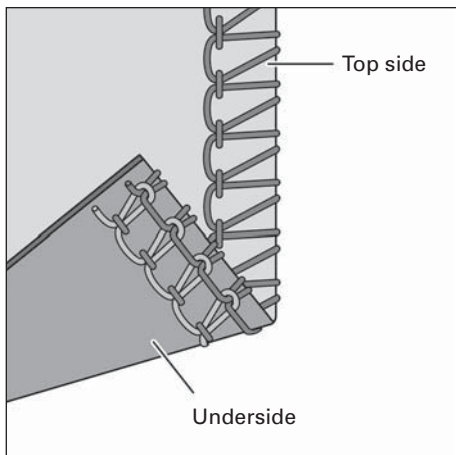
### 3-thread overedge seam (progr. 01, 02)

wide	blue	green	red	yellow
	3		3	3

narrow	blue	green	red	yellow
		3	3	3

The **needle thread** is too loose.

Set the relevant needle thread tension to a higher value.



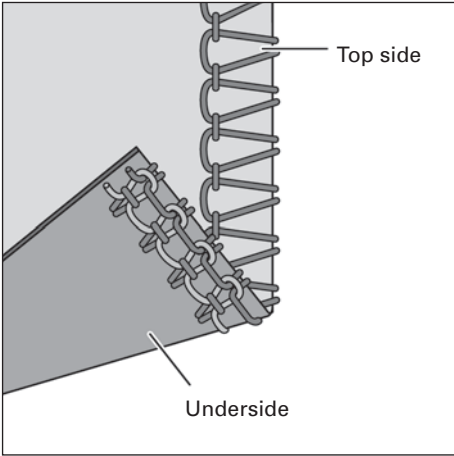
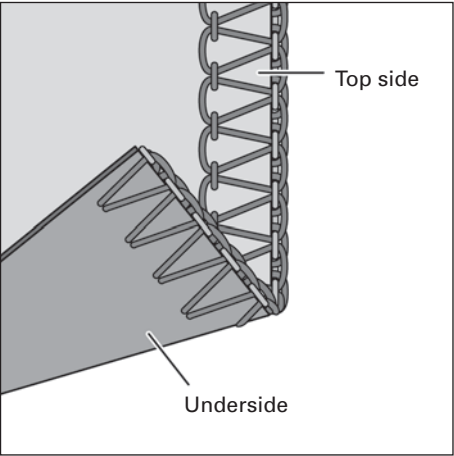
The **upper looper thread** (red) appears on the underside of the fabric.

Set the red thread tension to a higher value and/or the yellow thread tension to a lower value.

The **lower looper thread** (yellow) appears on the top side of the fabric.

Set the yellow thread tension to a higher value and/or the red thread tension to a lower value.

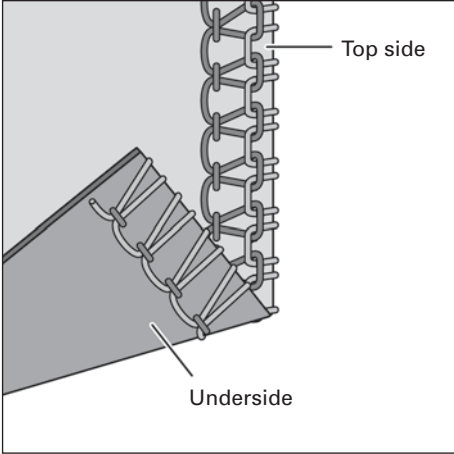
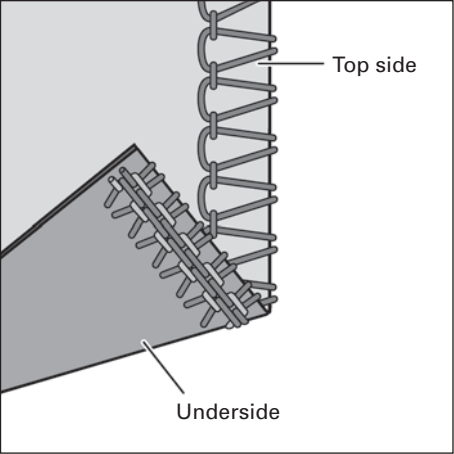
Seam pattern



3-thread flatlock seam (progr. 03, 04)

wide	blue	green	red	yellow
	0		2	3
narrow	blue	green	red	yellow
		0	2	3

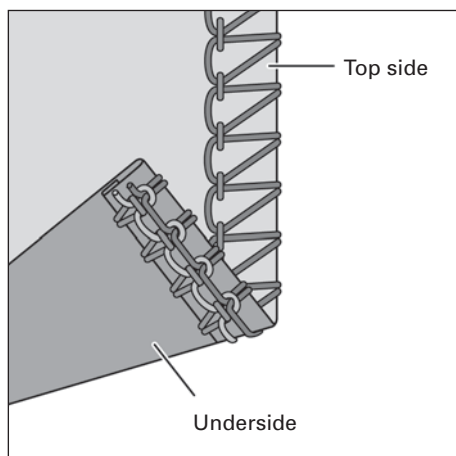
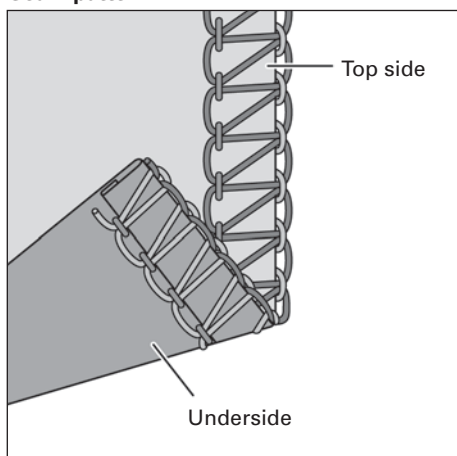
The **needle thread** is too tight.  
Set the relevant needle thread tension to a lower value.



The **upper looper thread** (red) appears on the underside of the fabric.  
Set the red thread tension to a higher value.

The **lower looper thread** (yellow) is too loose.  
Set the yellow thread tension to a higher value.

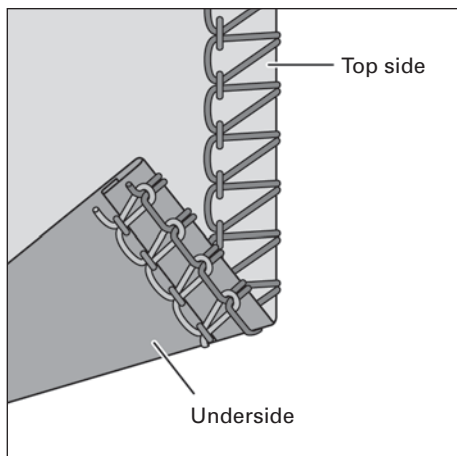
## Seam pattern



### 3-thread rolled hem (progr. 05)

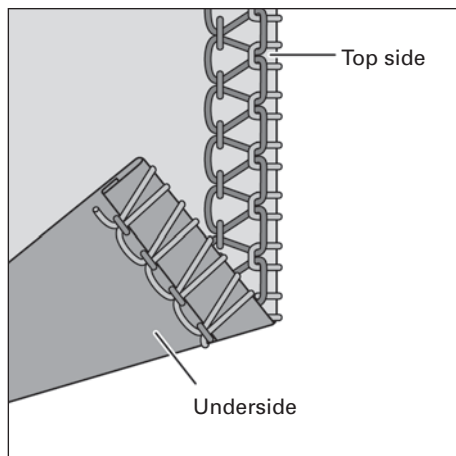
blue	green	red	yellow
	4	3	3

The **right needle thread** (green) is too loose. Set the green thread tension to a higher value.



The **upper looper thread** (red) appears on the underside of the fabric.

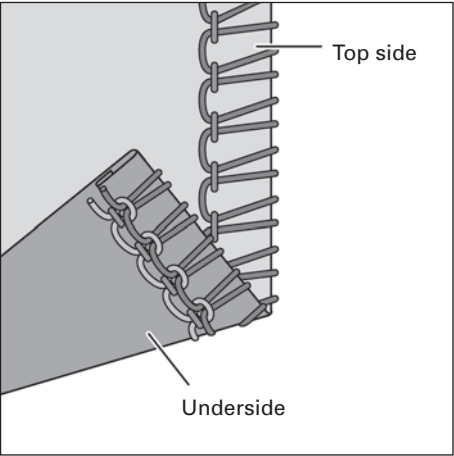
Set the red thread tension to a higher value and/or the yellow thread tension to a lower value.



The **lower looper thread** (yellow) appears on the top side of the fabric.

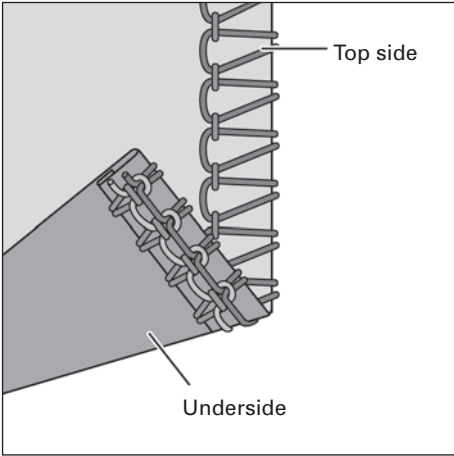
Set the yellow thread tension to a higher value and/or the red thread tension to a lower value.

Seam pattern

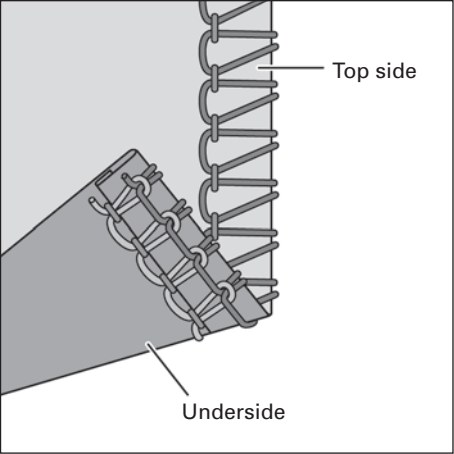


Folded 3-thread rolled hem (progr. 06)

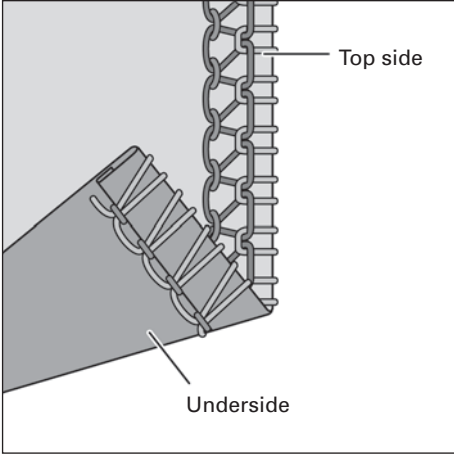
blue	green	red	yellow
	4	3	8 – 9



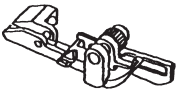



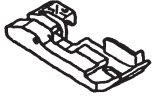
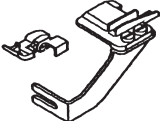
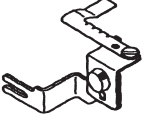
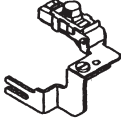

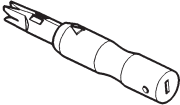
The **right needle thread** (green) is too loose.  
Set the green thread tension to a higher value.

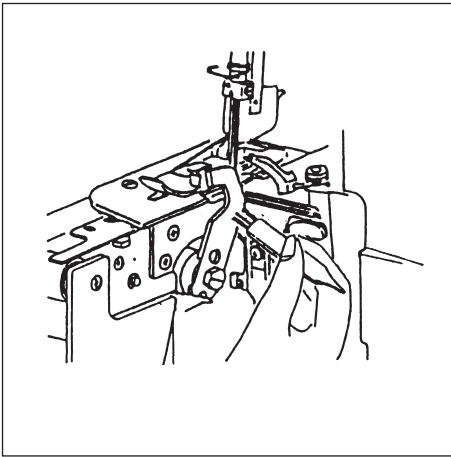


The **upper looper thread** (red) only partly loops around the fabric edge.  
Set the red thread tension to a lower value and/or the yellow thread tension to a higher value.



The **lower looper thread** (yellow) appears on the top side of the fabric.  
Set the yellow thread tension to a higher value and/or the red one to a lower value.

Optional accessories	Order No.	
	98-200 277-10/900	<b>1 Blindstitch foot</b> For serging blind hems on medium-heavy and thick fabrics.
	98-200 278-10 98-200 278-10	<b>2/3 Taping attachment with tape guide</b> Use to protect knit and other stretchy fabric from stretching out of shape when you sew a shoulder.
	98-200 279-10/100	<b>4 Cording foot type A</b> For sewing on cords, elastic thread and fishing line on the top side of the fabric and for decorative cording.
	98-200 280-10/500	<b>5 Cording foot type B</b> For sewing on cords and yarn on the top or on the underside of the fabric and for decorative cording.
	98-200 281-10/600	<b>6 Piping foot</b> For sewing together two pieces of fabric with a piping tape between them, in one operation.
	98-200 282-10/700	<b>7 Beading attachment with beading guide</b> For serging on beading and sequins.
	98-200 283-10/800	<b>8 Shirring/Gathering attachment</b> For shirring/gathering and joining two pieces of fabric simultaneously.
	98-200 284-10/900	<b>9 Elastic tape attachment</b> For sewing on elastic.
	98-200 285-10	<b>10 Edge guide</b> For guiding the fabric edge and measuring cut widths and seam widths simultaneously.
	98-200 286-10/100	<b>11 Needle threader</b> For easy threading of the needle.



## Machine maintenance

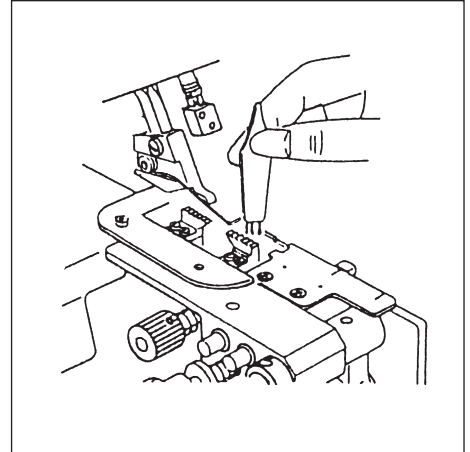
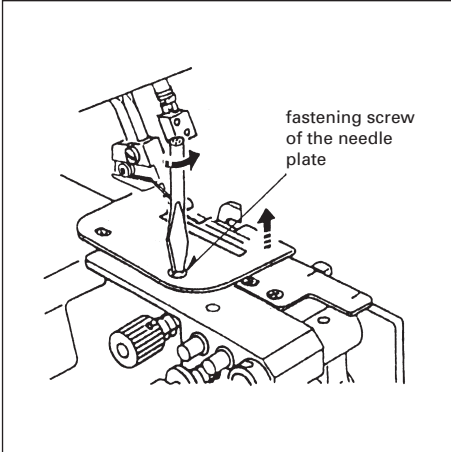
### Cleaning the machine



**Switch the main switch to OFF.**

Open the looper cover and swivel plate. Use the cleaning brush provided to remove any waste thread.

In order to clean the upper blade and the feed dog, you may also use a vacuum cleaner.



### Cleaning the feed dog



**Switch the main switch to OFF.**

Open the looper cover and the swivel plate.

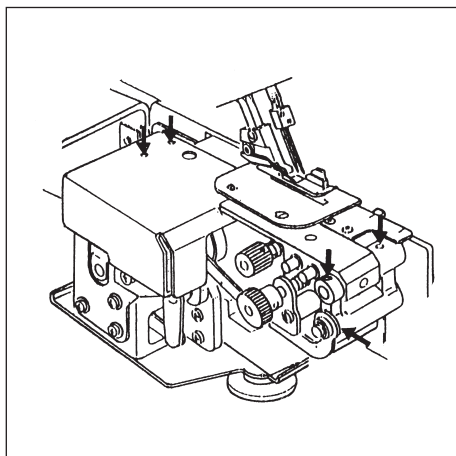
Remove the needles and the presser foot.

Loosen the fastening screw of the needle plate and remove the needle plate.

Remove any waste thread from the feed dog towards the front using the cleaning brush.

Fasten the needle plate, attach the presser foot, insert the needles and close the looper cover and the swivel plate.





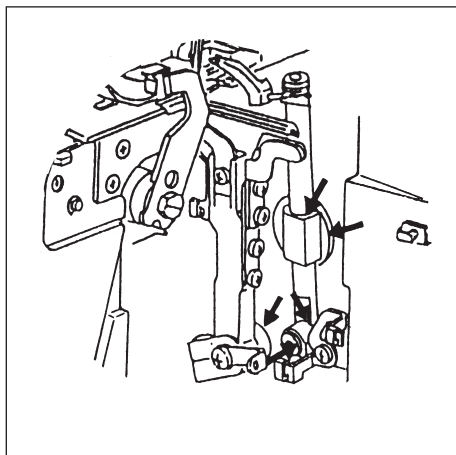
## Lubricating the machine



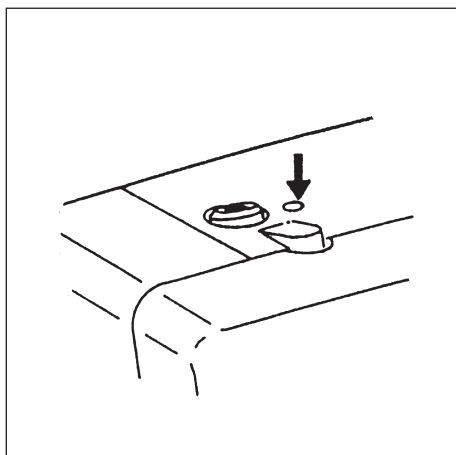
**Switch the main switch to OFF.**

Open the swivel plate. Apply a few drops of high-quality machine oil to the points marked with arrows.

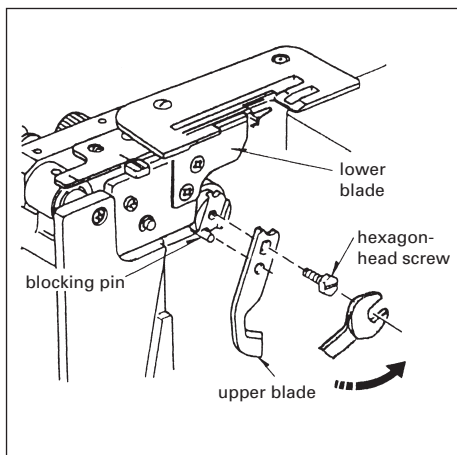
Oil the machine once a week for normal operation or every ten hours for continuous operation.



Open the loop cover and oil the marked points.



Oil the marked point on the top of the machine.



## Changing the upper blade



**Switch the main switch to OFF.**

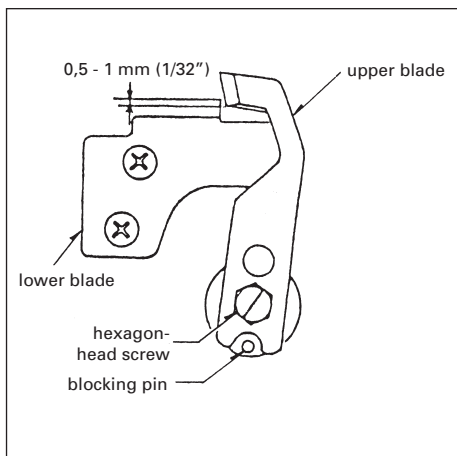
Open the looper cover and the swivel plate.

Move the upper blade to its lower position (see Page 24).

Undo the hexagon-head screw of the upper blade and remove the upper blade.

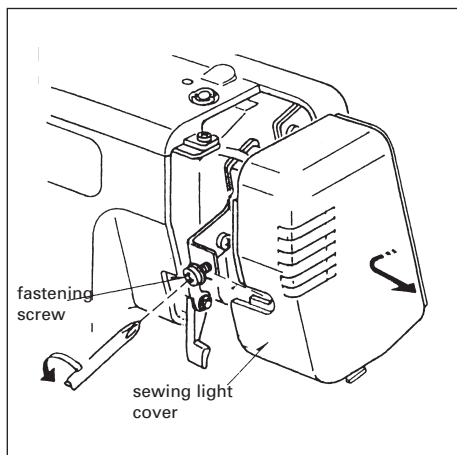
Insert the new upper blade into the blade holder in such a way that the blocking pin engages in the groove. Tighten the hexagon-head screw slightly.

Move the upper blade to its upper position.



Turn the handwheel towards you until the upper blade has reached its lowest position. Undo the hexagon-head screw and adjust the position of the upper blade so that the edges of the upper blade and of the lower blade overlap by about 0.5 to 1 mm (1/32'') (see illustration). Tighten the hexagon-head screw.

- Close the looper cover and the swivel plate.

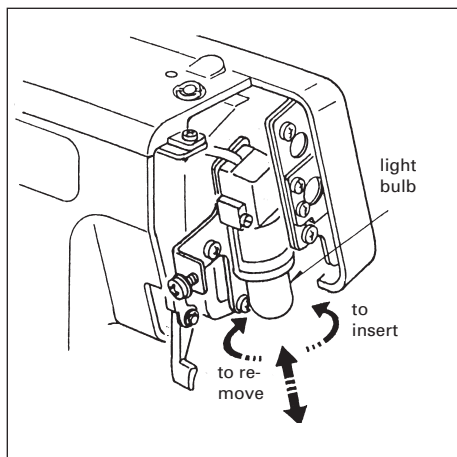


## Changing the light bulb



**Switch the main switch to OFF.**

Loosen the fastening screw to the sewing light cover until the cover can be removed.



## Removing the light bulb

Bayonet holder: press the lamp in and turn to the left.

## Inserting the light bulb

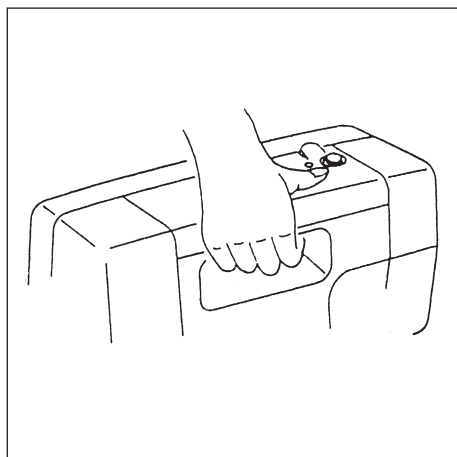
Bayonet holder: press the lamp in and turn to the right.

Replace the sewing lamp cover and tighten the fastening screw.

## Safety notes

Only use bulbs with a maximum output of 15 Watt.

The bulb becomes very hot. Never touch the bulb with bare hands.



## Transporting the machine

Position your fingers in the cutout on the rear side of the machine, as shown in the illustration.

## Sewing problems and their solutions

This machine has been developed with ease of operation in mind. No difficult or tricky settings need to be made. Sewing problems of the kind described below may occur as a result of minor adjustment and operating errors. They can be easily adjusted by following the instructions.

<b>Problem</b>	<b>Cause</b>	<b>Solution</b>
Needle breakage	The needle was bent or the point damaged.  The needle was not fully inserted.  The fabric was pulled too firmly.	Insert new needle (see Page 22).  Insert needle fully (see Page 22).  Do not pull on the fabric when sewing.
Thread breaks	Incorrectly threaded.  Thread has caught.  Thread tension is too tight.  Needle not fully inserted.  Incorrect needle used.	Thread properly (see Page 10 - 18).  Check if the thread is caught on the spool stand etc.  Correct the tension (see Page 32 - 36).  Insert needle correctly (see Page 22).  Use needle system HAx1SP (130/705 PS).
Skipping stitches	Needle bent or point damaged.  Needle not fully inserted.  Incorrect needle used.  Incorrectly threaded.	Insert new needle (see Page 22).  Insert needle correctly (see Page 22).  Use needle system HAx1SP (130/705 H-PS).  Thread correctly (see Page 10 - 18).
Stitch formation faulty	Incorrect setting of thread tensions	Re-set thread tensions (see Page 32 - 36).

<b>Problem</b>	<b>Cause</b>	<b>Solution</b>
Fabric not neatly trimmed	Waste thread between upper and lower blade.  Clean blades.	Upper blade is blunt.  Replace upper blade (see Page 40).
Puckered seams	Thread tension too tight.  Incorrect setting of differential feed.  Thread has caught due to incorrect threading.	Reduce thread tension.  Re-adjust differential feed (see Page 20)  Thread correctly (see Pages 10 - 18).
Fabric not fed through evenly	Stitches too short.  Sewing foot pressure too low for heavy fabrics.  Sewing foot pressure too high for lightweight fabrics.  Waste thread in the feed dog.	Increase stitch length (see Page 20).  Increase sewing foot pressure (see Page 21).  Reduce sewing foot pressure (see Page 21).  Clean the feed dog.
Machine will not operate	The lead cord/plug is not seated properly in the socket.  The main switch is not switched on.	(see Page 7).  (see Page 7).

### **Specifications**

Maximum sewing speed	1200 stitches/min.
Seam width	3.0 mm - 6.7 mm
Stitch length	1.0 mm - 5.0 mm
Presser foot	exchangeable
Lubrication	manual
Presser foot height	4.5 mm
Overedge stroke	2.0 mm
Needle system	HAX1SP (130/705 H-PS)
Needle size	80/12, 90/14
Number of threads	3, 4
Dimensions (width x height x depth)	310 x 280 x 270 mm
Weight	7.1 kg

### **Packing contents**

- 1 machine
- 1 foot control
- 1 instruction manual/guarantee card
- 1 machine cover
- 1 accessory box
- 1 waste container











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.

## **Intellectual property**

Patents protecting this product are listed on a label positioned underneath the sewing machine.

PFAFF is a registered trademark of VSM Group AB.

# Parts of the hobbylock 4752

