Husqvarna VIKING

User´s Guide

Huskylock 905,910

KEEPING THE WORLD SEWING

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

This householdsewing machine is designed to comply with IEC/EN 60335-2-28 and UL 1594

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 (Model 905) resp 5 Watt (Model 910).

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.
- 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.
- Keep fingers away from moving parts, especially the area near the blades.

SAVE THESE INSTRUCTIONS

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.

Table of contents

1. SUMMARY 1
1 - 1. Model 905 1
1 - 2. Model 910 2
1 - 3. Preparation ..... 3~4
1 - 4. Sewing speed 5
1 - 5. Telescopic thread stand 5
1 - 6. Replacing the needle 5
1 - 7. Changing threads ..... 6~7
1 - 8. Threading ..... 8~11
1 - 9. Thread tension table 11
1-10. Thread tension ..... 12~13
1-11. Adjusting the stitch width / cutting width 14
1-12. Stitch length 14
1-13. Differential feeding 15

2. MODEL 910 16
2 - 1. Display guide ..... 16~17
2 - 2. Choice of language 17
2 - 3. Auto mode 17
2 - 4. Stitch selection 18
2 - 5. Selection of fabric 18
2 - 6. Manual mode 18
2 - 7. Manual setting ..... 18~19
2 - 8. Memory mode 19
2 - 9. Storing new setting in memory 19
2-10. Retrieve from memory 20
2-11. Delete from memory 20
2-12. Stitch table 20
2-13. Table of fabric 20

3. SEWING 21
3 - 1. Four thread overlock stitch with 2 needles 21
Before sewing 21
Insert the fabric 21
Start sewing and chain off ..... 21~22
Cording thread / Decorative thread 23
Serging curves 24
3 - 2. Three thread overlock 25
3 - 3. Two thread overlock ..... 26~27
3 - 4. Flatlock 28
3 - 5. Stitch selection table-two thread sewing 29
3 - 6. Rolled edge ..... 30~31
3 - 7. Pin tuck 32
3 - 8. Changing light bulb 33
3 - 9. Cleaning after sewing 34
3-10. Storage 34
3-11. Replacing the lower cutter 34
3-12. Lubrication 34

4. ACCESSORIES 35

5. STITCH TABLE ..... 36~38

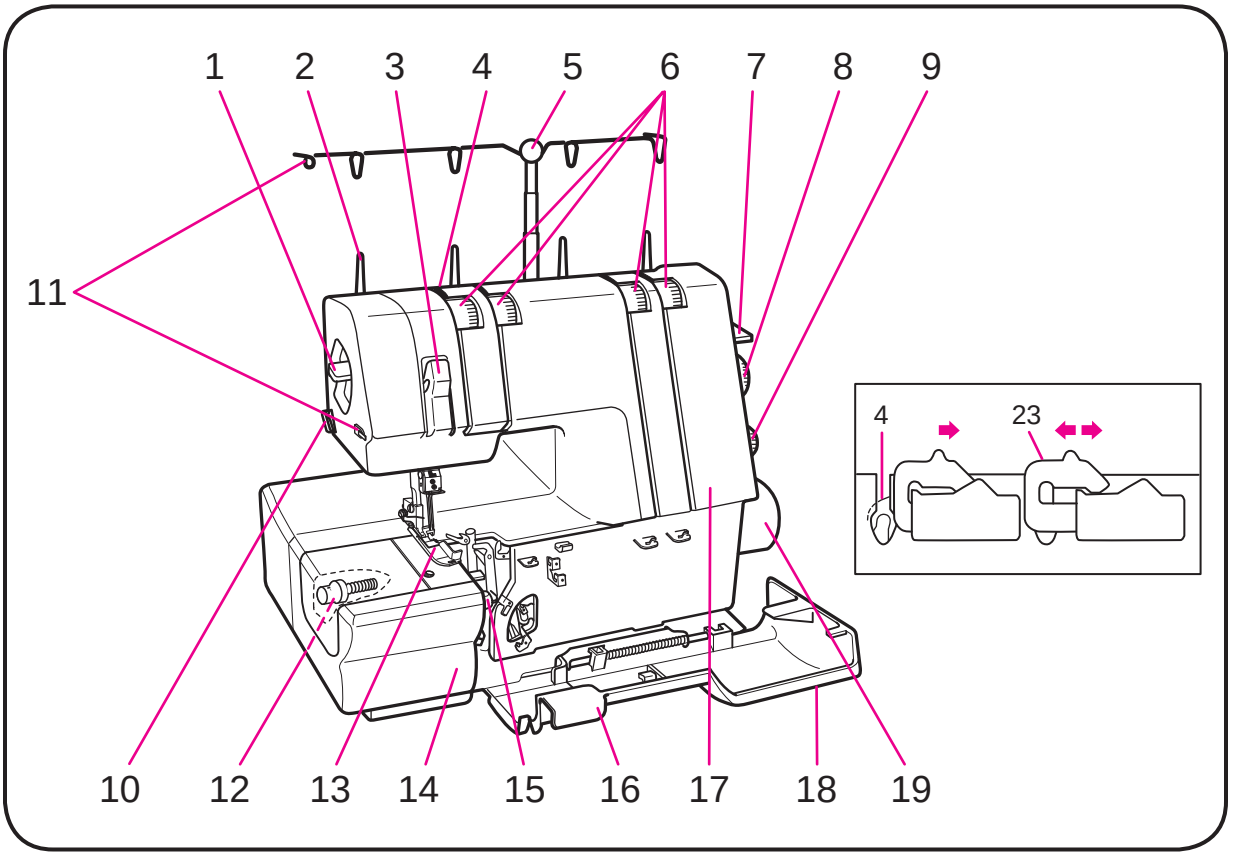
6. TABLE OF SEWING MATERIALS, NEEDLES AND THREADS 39

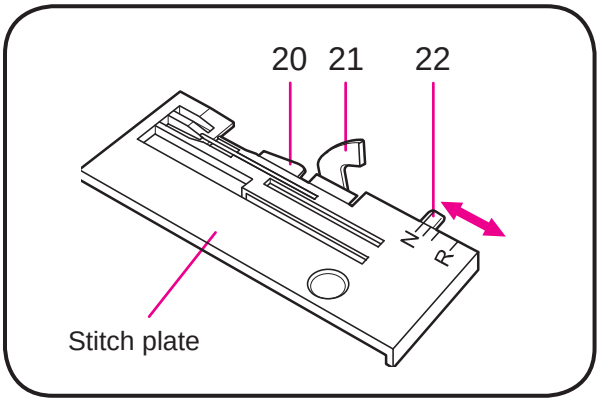
7. TROUBLE SHOOTING 40

8. SPECIFICATIONS 41

9. INDEX 44

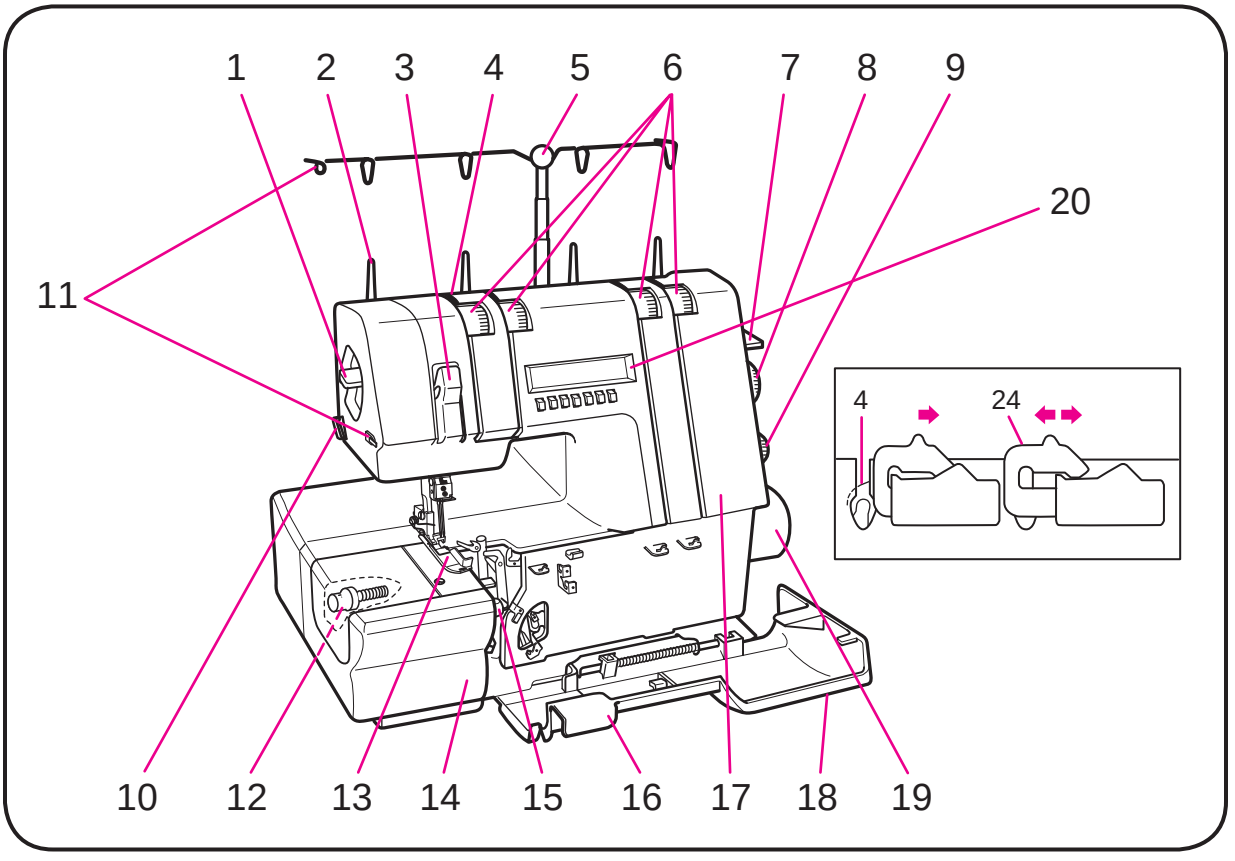
1. SUMMARY





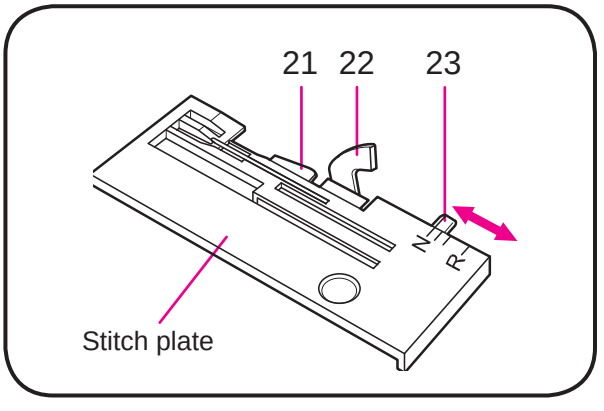
1-1. Model 905

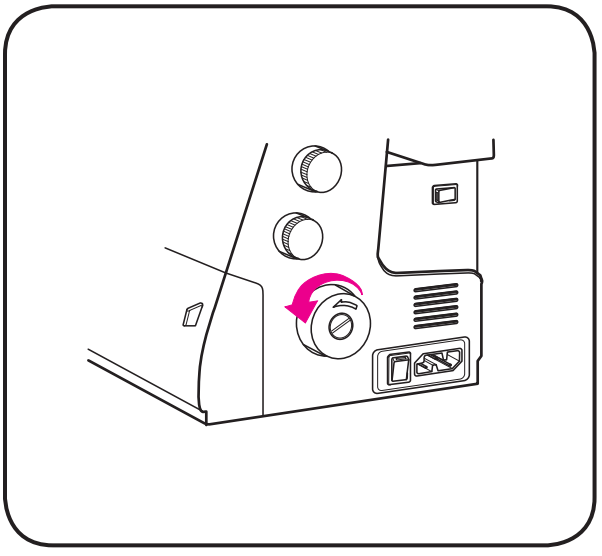
1. Presser foot pressure adjustment dial
2. Spool pin
3. Thread take-up lever cover
4. Thread guides
5. Telescopic thread stand
6. Thread tension dials
7. Presser foot lift lever
8. Differential feed dial
9. Stitch length dial
10. Thread cutter
11. Thread guides A for decorative thread / cording thread
12. Upper cutter knob
13. Presser foot
14. Sewing surface, flat bed cover
15. Cutting width / stitch width adjusting dial
16. Cutter cover
17. Front panel
18. Front cover
19. Handwheel
20. Stitch finger
21. Upper cutter
22. Stitch finger lever
23. Thread guides B for decorative thread



1-2. Model 910

1. Presser foot pressure adjustment dial
2. Spool pin
3. Thread take-up lever cover
4. Thread guides
5. Telescopic thread stand
6. Thread tension dials
7. Presser foot lift lever
8. Differential feed dial
9. Stitch length dial
10. Thread cutter
11. Thread guides A for decorative thread / cording thread
12. Upper cutter knob
13. Presser foot
14. Sewing surface, flat bed cover
15. Cutting width / stitch width adjusting dial
16. Cutter cover
17. Front panel
18. Front cover
19. Handwheel
20. Sewing Advisor liquid crystal display (LCD)
21. Stitch finger
22. Upper cutter
23. Stitch finger lever
24. Thread guides B for decorative thread

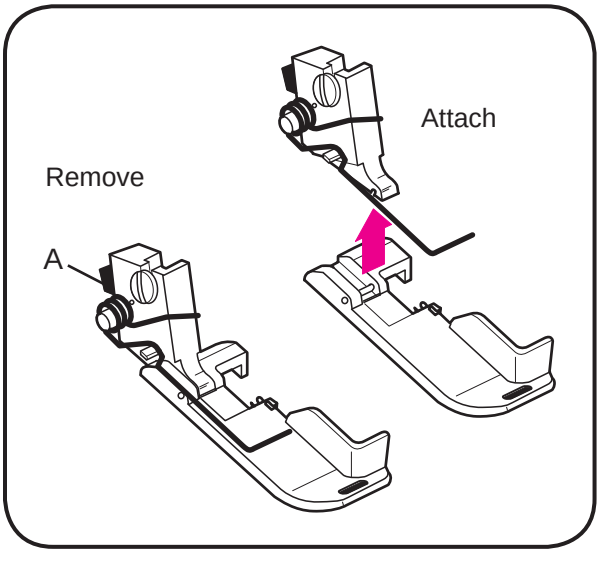




1-3. Preparation

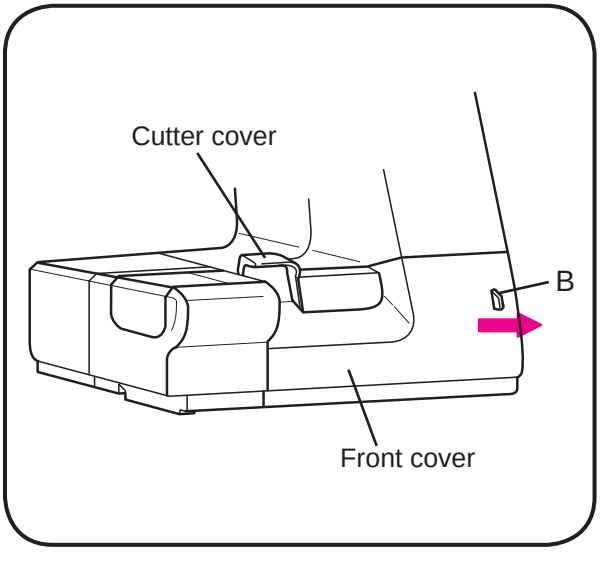
Handwheel

Always turn handwheel toward you.



Change the presser foot

1. Turn the main power switch off. (See page 4)
2. Raise presser foot.
3. Raise needle to its highest position by turning the handwheel toward you.
4. Push button (A) and the foot will come off.
5. Position the new foot with the pin beneath the groove of the ankle. Lower the presser foot lever to mark the ankle snap on to the presser foot.



Open the front cover

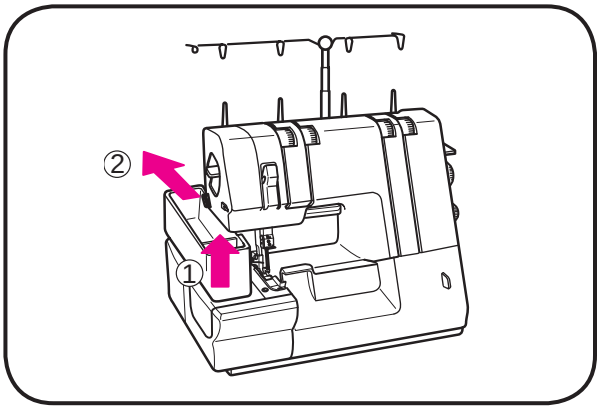
Push part (B) - at the arrow - to the right and pull the cover down toward you.

Close the front cover

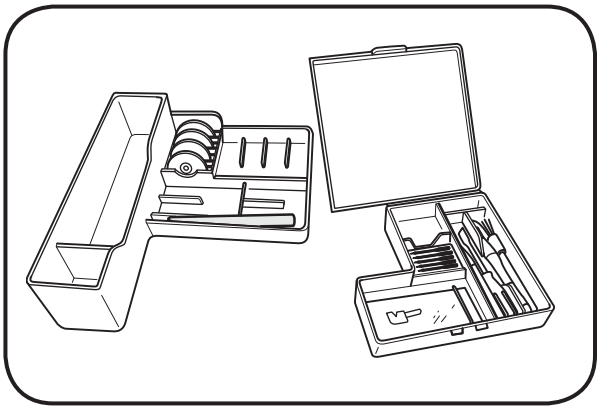
Close the cover with caution. The front cover must be closed while sewing. The front cover has a safety switch. If the front cover is not closed, the machine will not sew.

Accessory box

Lift the accessory box slightly 1 and slide it in the direction of the arrow 2.



The accessory box consists of two parts. It holds the foot control and other accessories. To slide the box back on, reverse the steps from above.



Connection

On the back of the machine there is information about the voltage. Before plugging in your machine, make sure that these values correspond to power supply. The specifications vary from country to country.

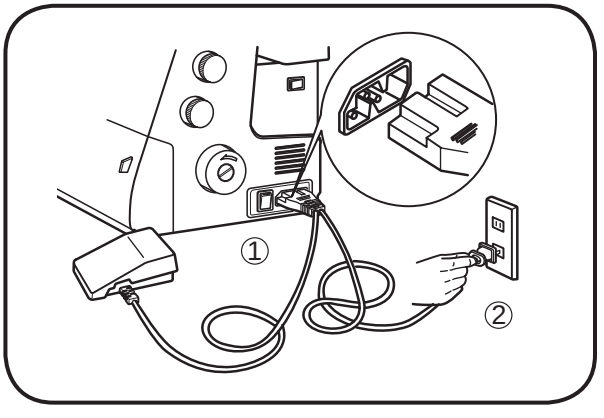
Before plugging in the foot control, check to insure that it is of type:

For Europe/Australia: YC-483

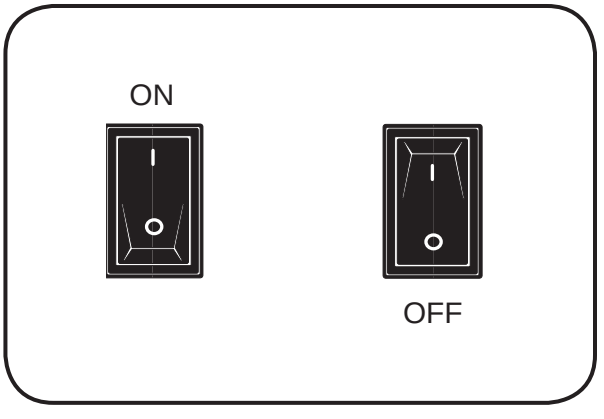
For USA: YC-482T-1

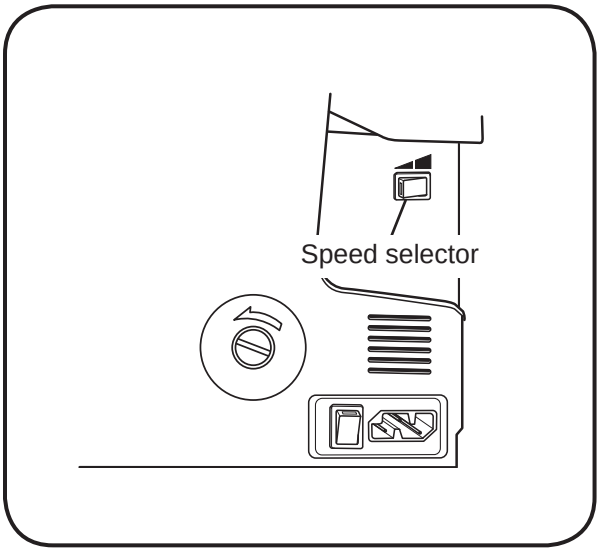
Connect foot control and power cord 1 2.

When pressing the main switch, both machine and sewing light are turned on.



- Always switch off and unplug the machine when not in use.
- When the power switch is turned off, the machine will not start even if you press the foot control.
- Never leave anything on the foot control.



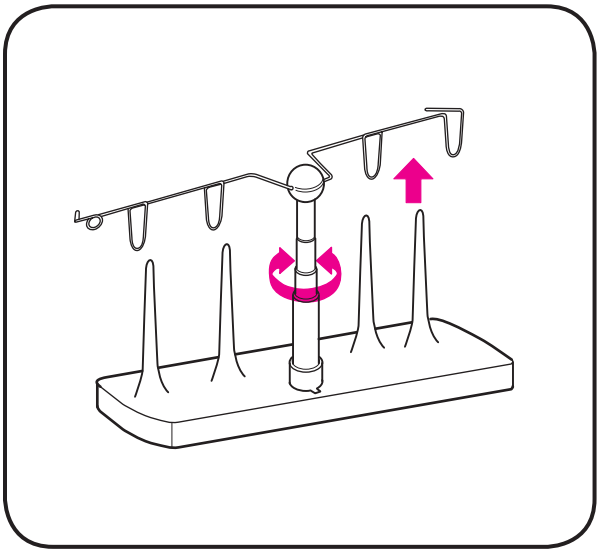


1-4. Sewing speed

The harder you press the foot control, the faster the machine will run. You can choose between two sewing speeds with the speed selector.

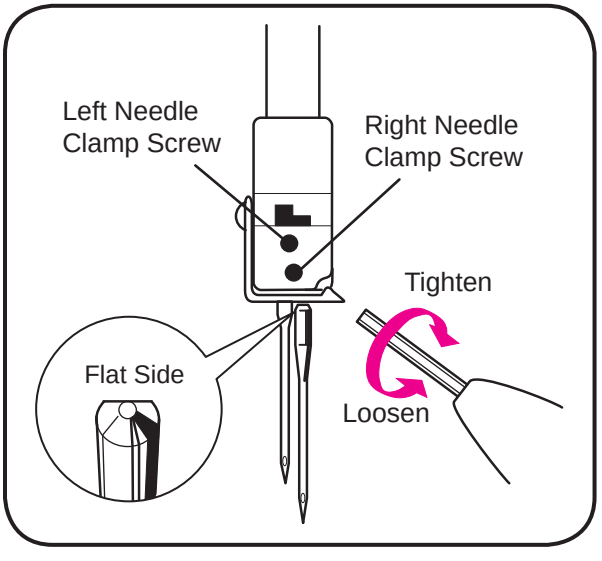
◢:0-1000 (max. speed 1000 stitches/min)

◢:0-1300 (max. speed 1300 stitches/min)



1-5. Telescopic thread stand

EXtend the telescopic thread stand to its full length and turn it until it locks against the stop. Make sure the round loop is to the left.



1-6. Replacing the needle

Disconnect the machine before replacing the needles.

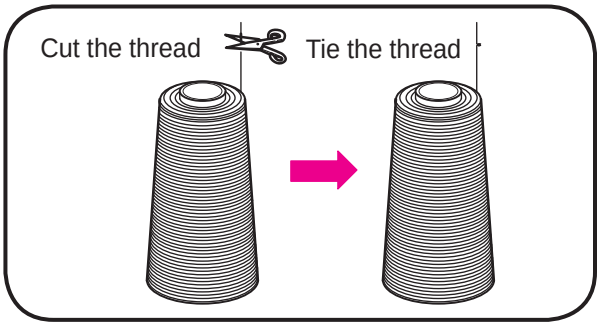
1. Raise needle to its highest position by turning handwheel toward you.
2. When replacing right needle, loosen right needle clamp screw with the allen wrench and remove the needle. When replacing left needle, loosen left needle clamp screw and remove needle.
3. Insert the new needle fully into the groove of the needle bar with its flat side to the back and tighten the screw.

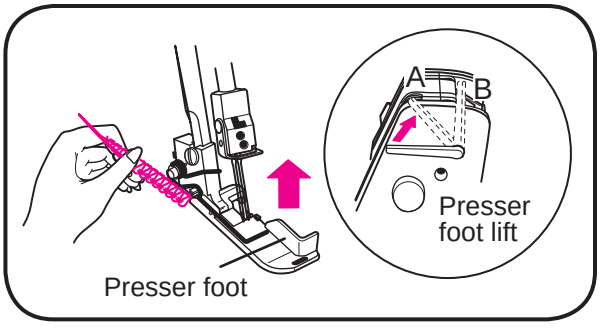
Use needle system 130/705H numbers 80-90. They are the same as for ordinary sewing machine.

1-7. Changing threads

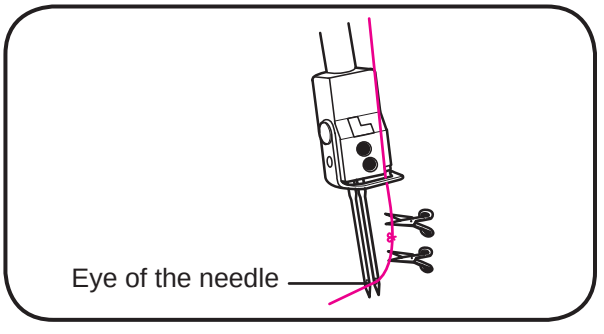
The machine comes threaded with overlock thread. To change thread follow the easy threading as explained on page 8~10 or to tie on:

1. Cut the thread in use near the thread spool (behind the telescopic thread stand). Place the new thread spool on the spindle and tie the thread ends together.
2. Raise the presser foot with the presser foot lift to release the thread tension, and the knot can easily pass through the thread tension discs.
3. Pull out the looper thread until the thread knot comes about 10 cm (3” to 4”) behind the presser foot.



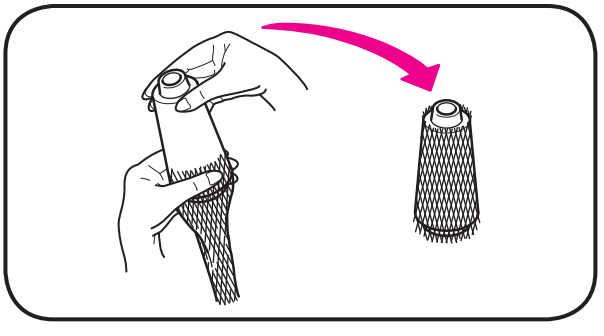


4. When changing the needle thread, cut the thread knot before it reaches the eye of the needle to avoid bending the needle.



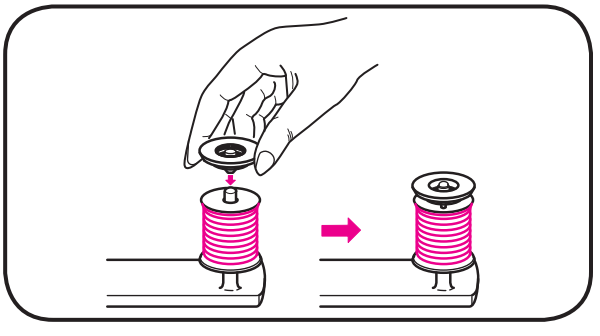
Thread net

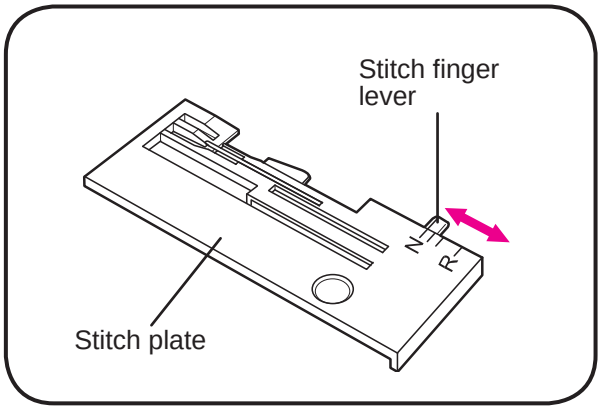
In some cases cover the spool with the net to prevent threads from slipping off the spool. Slide on the net so that it covers the spool entirely.



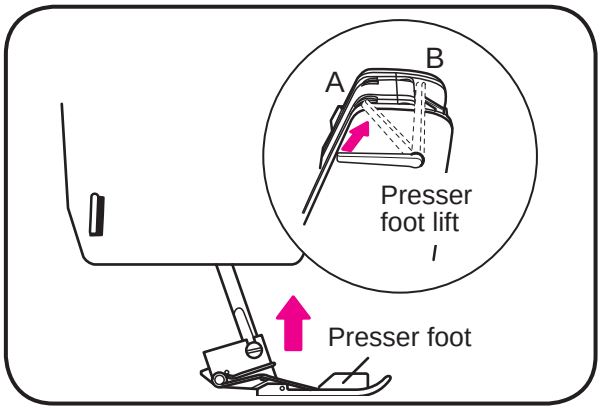
Spool holder

When using standard thread spools, place the spool holders as shown to hold spool in place. And prevent thread from getting caught on edge of spool.

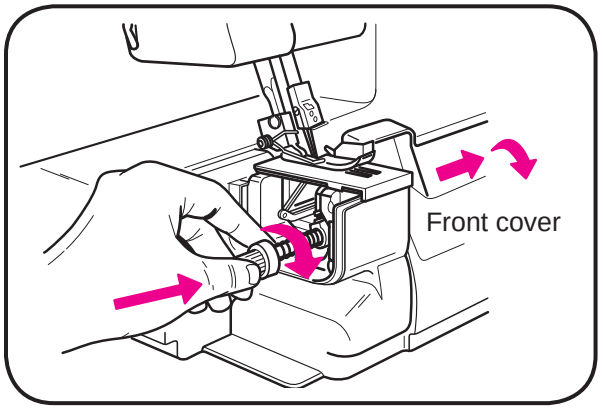




Stitch finger lever
(Convert from overlock stitch to rolled edge)
Raise the needle to its highest position by turning the handwheel toward you.
Overlock
Push the stitch finger lever to align it with “N” on the stitch plate.
Rolled edge
Pull the stitch finger lever toward you to align it with “R” on the stitch plate.

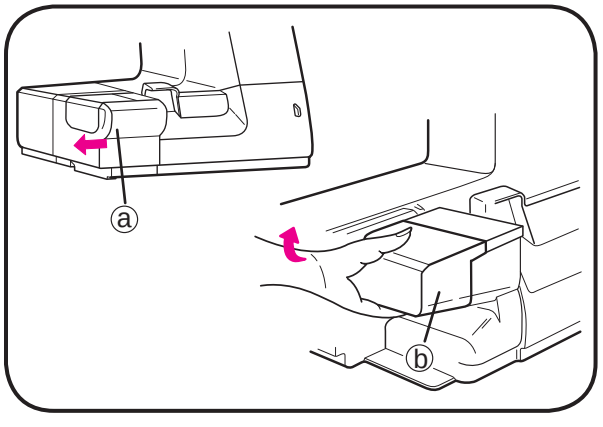


Presser foot lift
Lift up the presser foot lift to raise the presser foot. The presser foot lift stops at position “A”. When replacing the presser foot or when inserting very thick fabrics under the presser foot, the lift height can be increased by pushing the presser foot lift to position “B” and holding it there. Make sure that the upper looper is in its lowest position.
Note: Never sew with the presser foot up.



Disengaging the upper cutter
To sew along the edge of the fabric, the upper cutter can be disengaged.
1. Remove the flat bed cover a and the free arm cover b pulling the respective cover in the direction of the arrow.
2. Open the front cover.
3. Push the knob to its maximum point and turn the knob to lower according to the arrow. Since the cutter is sharp, be careful when disengaging it.
4. Be sure to put the cutter fully down before sewing.

Note: You must sew along the edge of the fabric when the cutter is disengaged!



Free arm
Pull out the flat bed cover a in the direction of the arrow. The free arm is convenient for sewing trousers legs, cuffs, and other small areas such as children’s garments.
How to remove the free arm:
Hold the free arm cover b as shown in the picture.
1. Lift it up to release the clamps.
2. Pull it to the left.

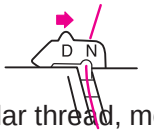
1-8 Threading

Thread the machine in the following order.
Upper looper (A)
Lower looper (B)
Needles (C,D)

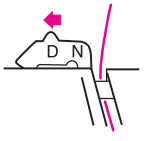
Upper looper threading (A)

1. Set the upper looper to the highest position by turning the handwheel toward you.
2. Raise the presser foot.
3. Open front cover.
4. Pull thread from spool through guide 1 of the thread stand and then through guides 2 to 9.

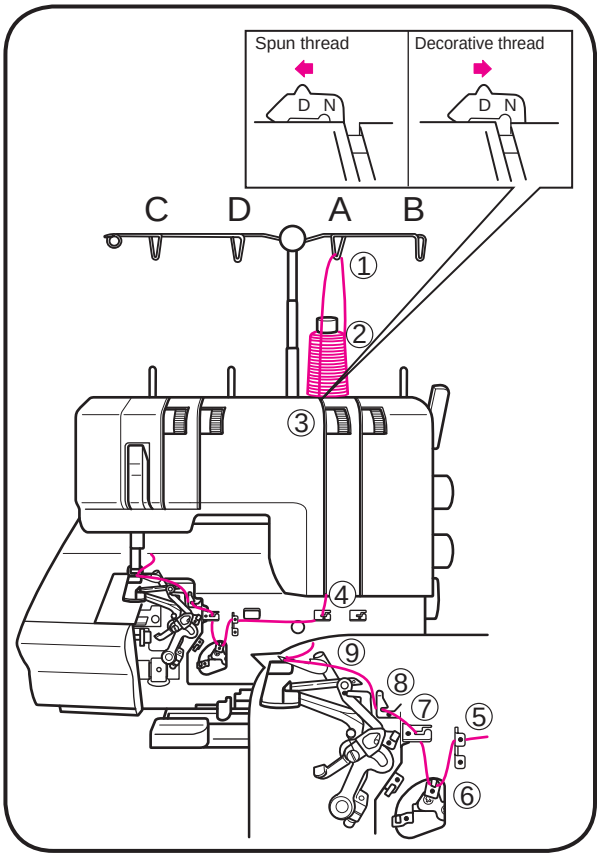
When using decorative thread, move the thread guide for decorative thread (B) to the right(D), then thread through thread guide.

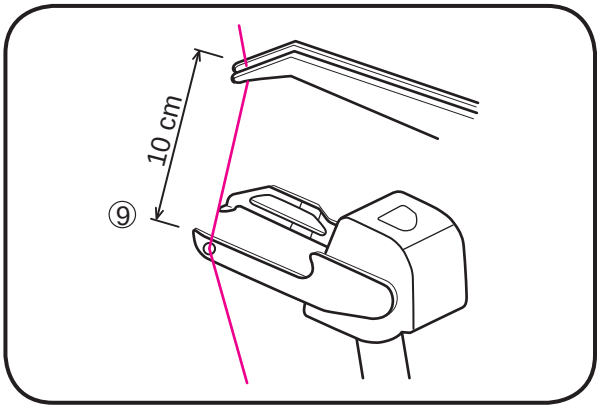


When using regular thread, move the thread guide for decorative thread (B) to the left(N).



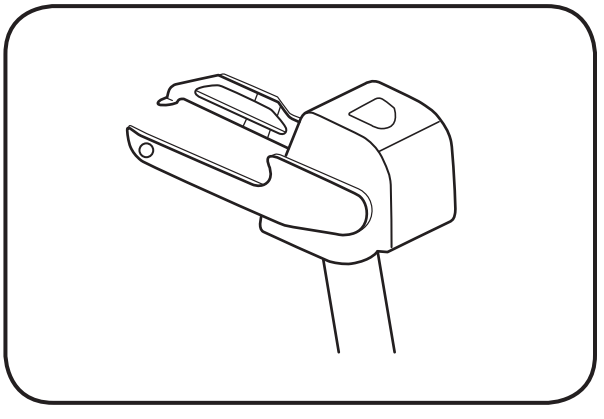
5. Thread the eye 9 of the upper looper.
6. Pull a thread tail leaving about 10 cm (3” to 4”) long.

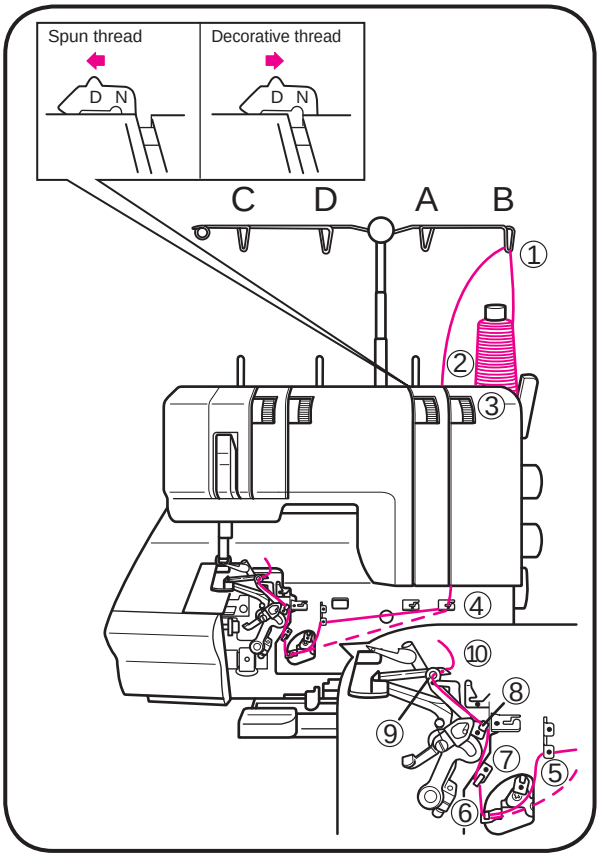




Note:

When sewing with 3or4threads, set the 2-thread converter as illustrated.



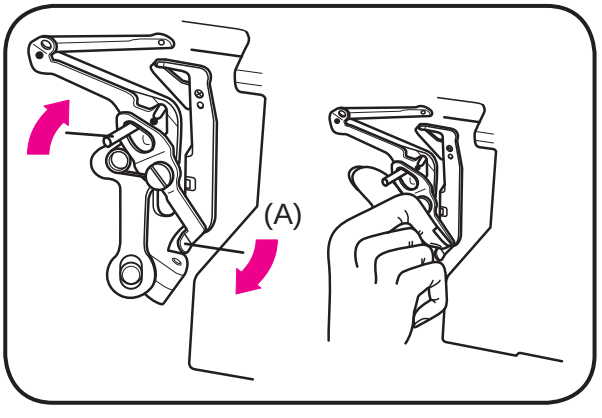


Lower looper threading (B)

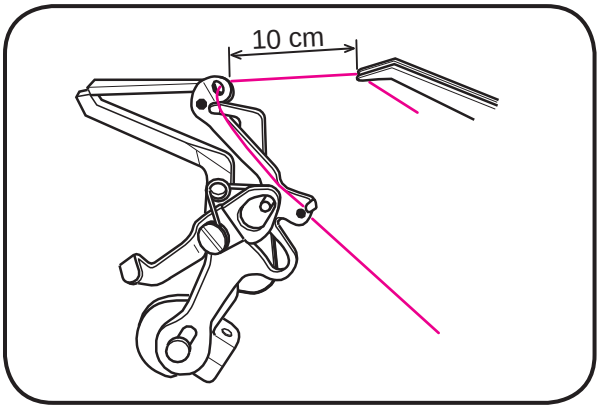
1. Raise the presser foot.
2. Open front cover.
3. Pull thread from spool through guide 1 of the thread stand and then through guide 2.

Note: Make sure the thread snaps into the slot of guide 2, and between the thread tensions discs 3.

4. Turn the handwheel toward you and position the lower looper to the far right.
5. Then thread through guides 4 to 8.



6. Push lever (A) in the direction of the arrow until the thread holes 9 and 0 are in front of each other. Pull the thread through eye 9, 0 of the lower looper.



7. Leave about 10 cm (4”) of the thread.
8. The lower looper threader automatically returns to its original position by turning the handwheel once toward you.

Note: For best result in sewing flatlock, rolled edge and narrow edge bypass thread guide 5. See dotted line.

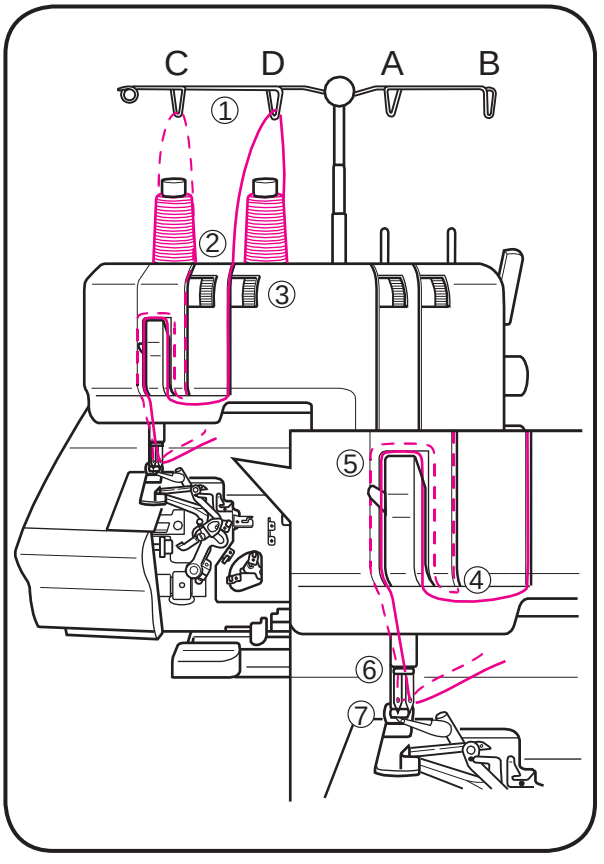
Needle threading (C) (D)

1. Raise the presser foot.
2. Raise the needle to its highest position by turning the handwheel toward you.
3. Pull thread from spool through guide 1.

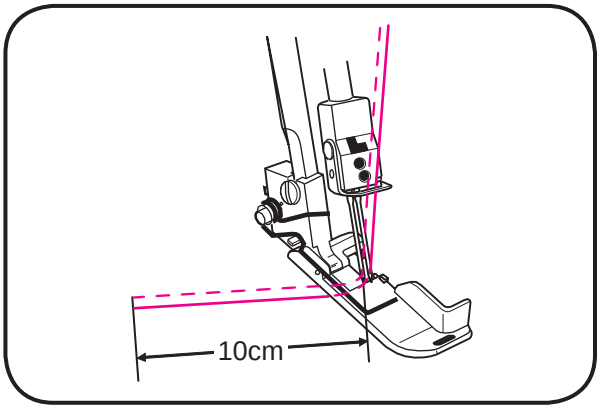
Note: Make sure the thread snaps into the slot of guide 2, and between the thread tensions discs 3.

4. Pull the thread through guides 4, 5, 6 for the right needle and through guides 5, 6 for the left needle.

Note: Make sure that right needle thread (D) passes to the right of thread guide 5 and left needle thread (C) to the left.

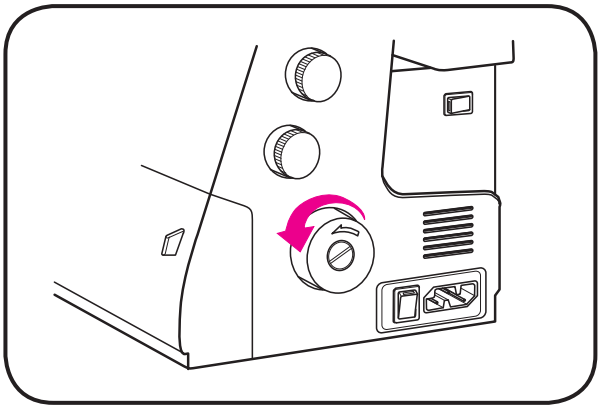


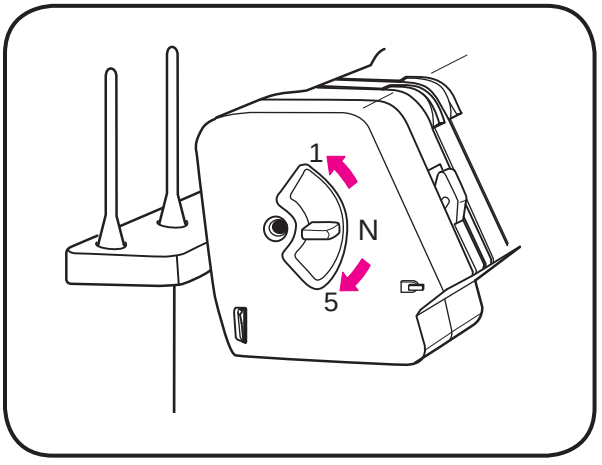
5. Pull the thread through the needle eye 7, leaving about 10 cm (4”) of spare thread.



Preparations and control

Check that thread has not slipped off the guides nor has broken. Make sure the upper cutter moves correctly against the lower cutter by slowly turning the handwheel toward you. Check that there are no pieces of fabric or thread between the cutters. Turn the handwheel toward you and make sure the threads form the stitch on the stitch finger of the stitch plate. If not, check threading.
When the machine has been threaded, close the front cover and lower the presser foot.





Presser foot pressure

You can change the presser foot pressure with the graded dial on the left side of the machine. Position “N” is for normal fabrics. A lower number is for thin fabrics. A higher number is for thick fabrics.

1-9. Thread tension table

	Left needle	Right needle	Upper looper	Lower looper	Stitch length	Stitch/Cutting width
Overlock	N	N	N	N	2.5-5.0mm	5-6mm
Rolled edge	—	N	N	6	1.0-1.5mm	5-6mm
Narrow edging	—	N	5	N	1.0-1.5mm	5-6mm

The thread tension is only a recommendation according to the chart above.

Modes 910: See recommendation in the Sewing Advisor display.

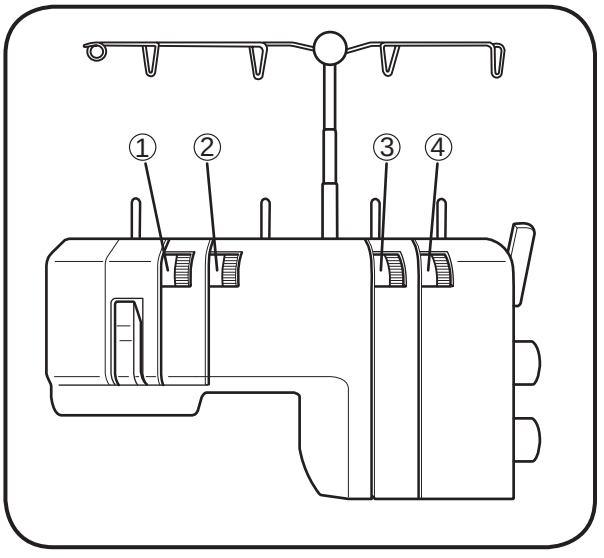
Since the figures in the chart are average it may be necessary to adjust the tension somewhat according to different types of fabric and threads.

Note: Fabric and thread structure may vary between different weights and types. Therefore try the

1-10. Thread tension

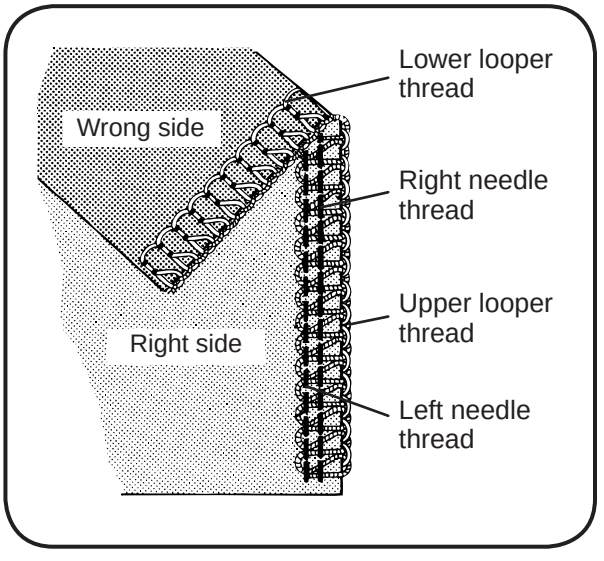
Start from normal position. Change and thereafter check one dial at a time until you obtain the desired result. Turn the dial to a higher number to increase tension. Turn the dial to a lower number to decrease tension.

① Left needle thread
② Right needle thread
③ Upper looper thread
④ Lower looper thread



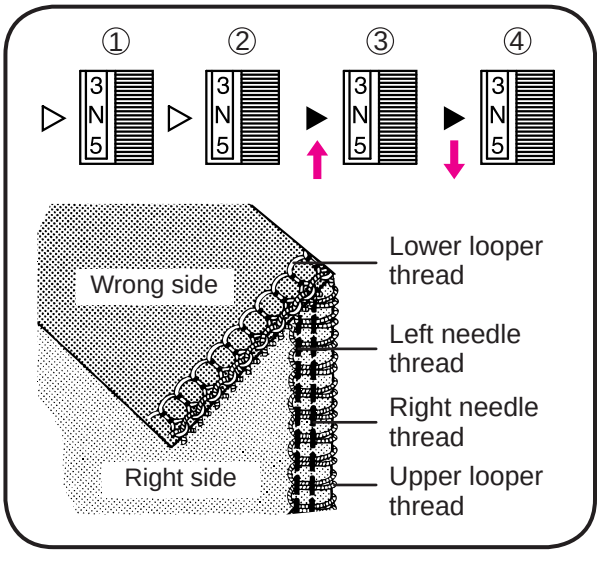
Correct tension

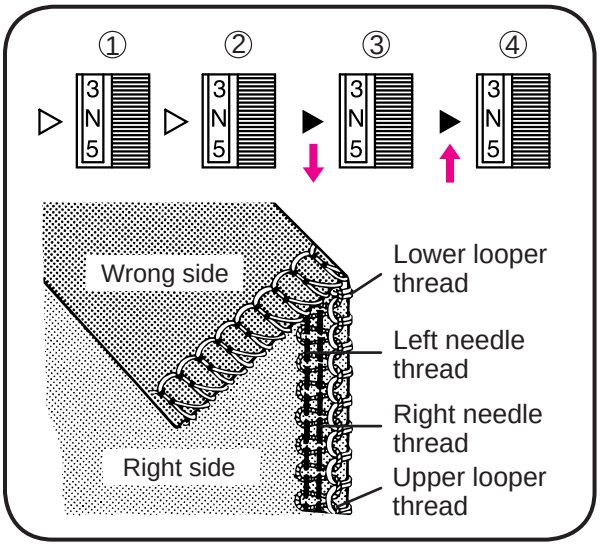
Lower and upper looper threads should be well balanced with the same thread tension (both looper threads should meet at the edge of the fabric). The needle thread should not slacken or be pulled.



Unbalanced upper looper thread is wrapped around and over the back side

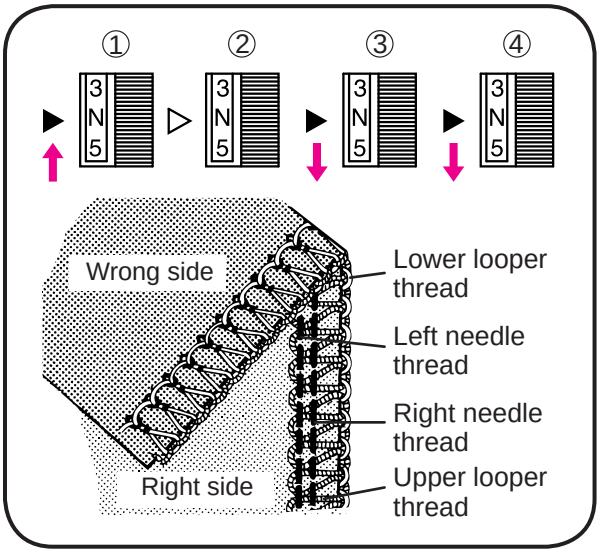
Increase the thread tension of the upper looper (dial ③) or reduce the thread tension of the lower looper thread (dial ④).





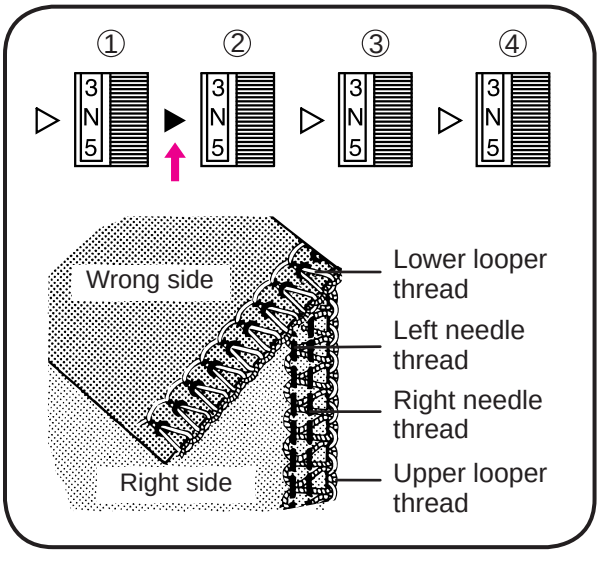
Unbalanced lower thread is wrapped around and over the top side

Increase the thread tension of the lower looper (dial ④) or reduce the thread tension of the upper looper thread (dial ③).



Left needle thread too loose

Increase the thread tension of the left needle thread dial ① or reduce the thread tension of both looper threads- dial ③ and ④.



Right needle thread too loose

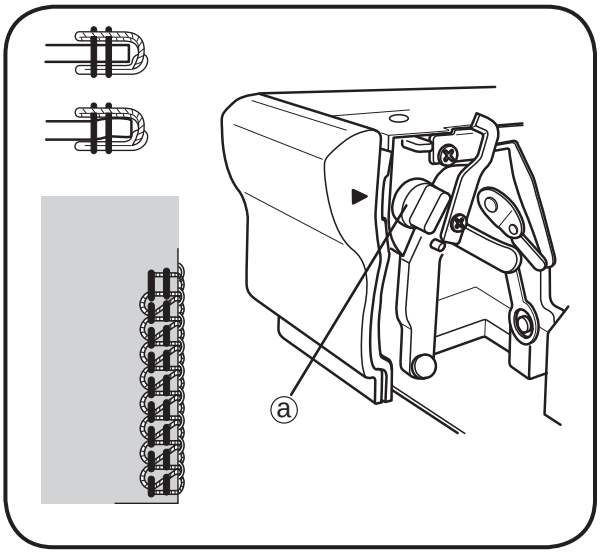
Increase the thread tension of the right needle thread, dial ②.

1-11. Adjusting the stitch width / cutting width

The distance between the needle and the outer edge of the fabric is called stitch width/cutting width.

- The cutting width can be set between 5-7 mm depending on the type of fabric.
- Normal stitch width/cutting width is 5.5 mm, which corresponds to “N” on the dial.
- Turn dial a to set the cutting width.

Note: There is an index mark on the machine.

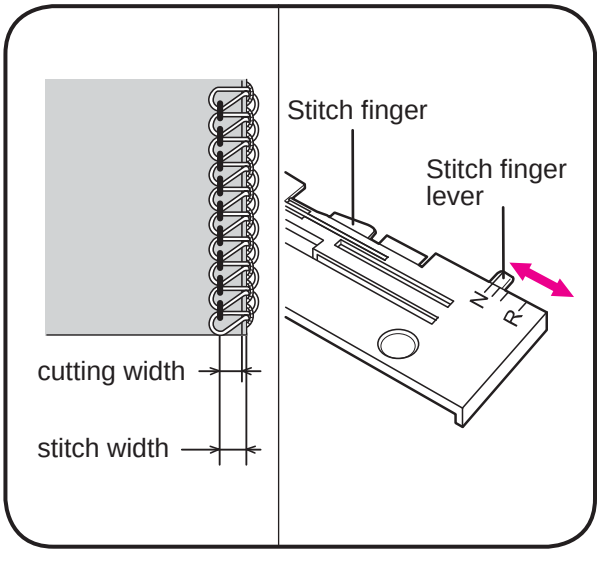


1. Turn dial a to set the cutting width.
2. If thread loops are formed off the edge of the fabric, turn the dial to a higher number to cut less fabric away.
3. If the fabric puckers within the overlock seam, turn the dial to a lower number to cut more fabric away.

When you experience loops off the edge of the fabric, slide the stitch finger toward you for fine tune width adjustment.

To adjust, move the stitch finger lever toward you from “N” position to the mark —. There are two fine tune settings.

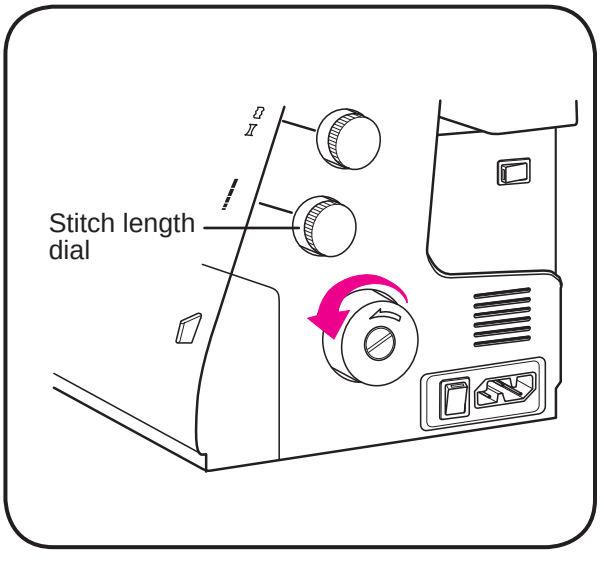
After adjusting, test your stitch.

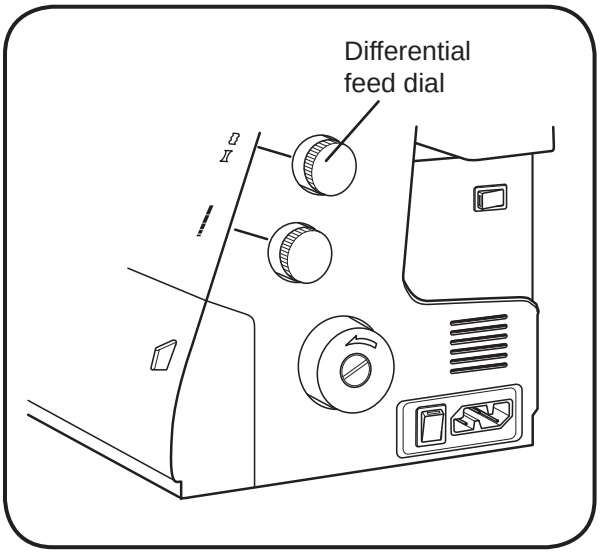


1-12. Stitch length

Normal stitch length is 2.5 mm, which corresponds to “N” on the stitch length dial.

You may change the stitch length between 0.8 (rolled edge) and 5 mm.





1-13. Differential feed

Differential feed helps you to sew perfect seams on all kinds of fabrics from light woven to heavy knits. The Huskylock has two feed teeth. The front feed teeth (differential feed) can be adjusted to feed more or less in proportion to the rear.

The ratio can be set between 0.5-2.5.

For light weight fabrics set closer to 0.5.

For stretch knits set closer to 2.5.

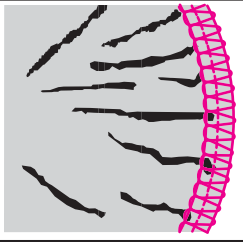
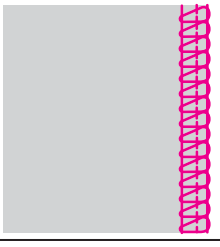
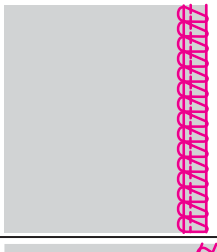
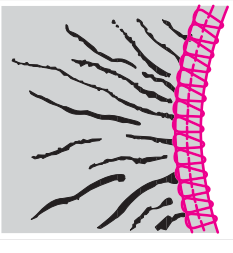
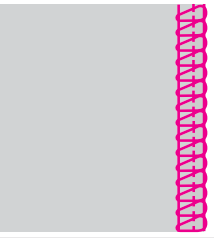
The differential feed also helps to gather woven fabrics.

For maximum gathers set to 2.5 and increase stitch length.

“N” indicates the normal position.

First sew a few test stitches on a piece of fabric you are going to use, referring to the chart below.

Stitch length	Diff	Speed
0.8-4	Max. 2.5	Low-High
4-5	Max. 2.0	Low-High

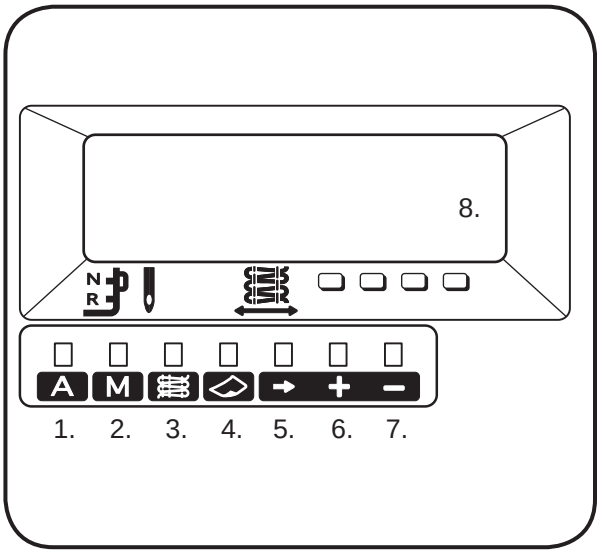
	Fabric	Differential feed “N”	Setting	Result
Elastic material	Knit Jersey		N-2.5	
Non-elastic material	Normal thick woven fabrics		N	
Very thin material	Silk-silky knitwear		0.5-N	

2. MODEL 910

2-1. Display guide

The buttons below can either be pressed one step at a time or held until the desired setting is obtained.

1. A=Auto-key. Press for **Auto Mode**. Standard settings are displayed.
2. M=Memory key. Press to retrieve stored settings or store new setting preferences in memory.
3. Stitch selector key. Retrieve the 11 pre-set stitches in **Auto Mode**.
4. Fabric selection key. Select fabric type in **Auto Mode**.



5. Cursor key. Access **Manual Mode** to enter and or alter settings. Cursor moves as follows: Stitch length-Differential feed-Stitch finger position-Needle position-Cutting width-Thread tension.

6-7. Plus (+) and Minus (-) keys in **Manual Mode**: Settings increase (+) or decrease (-).
In **Memory Mode**: Cursor moves to stored memories.

8. Sewing Advisor Display-All stitch settings can be shown in the display.

Sewing Advisor Display functions

Mode and stitch number

Mode and pre-set stitch are displayed

Stitch

Stitch description is displayed

Stitch length

The stitch length is displayed

Stitch finger position

Recommended position is displayed which corresponds to marking on the needle plate.

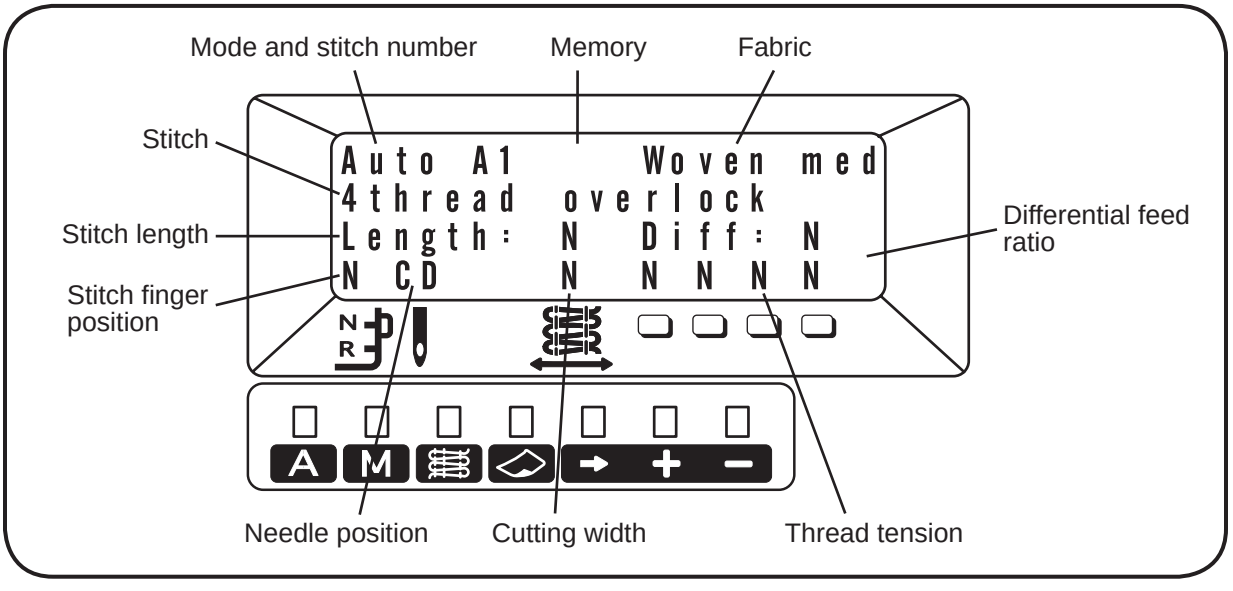
Needle position
Recommended needle position is displayed which corresponds to marking on the needle clamp.

Cutting width
The recommended cutting width is displayed.

Thread tension
The recommended thread tension is displayed. Each thread tension dial corresponds to colour symbols from left to right.

Differential feed ratio
Standard ratio is displayed.

Fabric
Fabric type is displayed.



2-2. Choice of language
You can select the following languages: American English, Britich English, French, Italian, German, Swedish, Norwegian, Danish, Finnish, Dutch, Spanish, Czech, Polish, Japanese.

Select the language as follows:
1. Turn on the machine while pressing the A-key and the Cursor key → simultaneously. The pre-set language is displayed.
2. Press the (+) key or the (-) key until the desired language is displayed.
3. Press the M-key.
4. The selected language is now stored and stays in the memory even if you switch off the machine.

2-3. A : Auto-Mode
The recommended settings are displayed for prefect stitching. Note: Fabric and threads may vary. Therefore try the setting on scraps first.

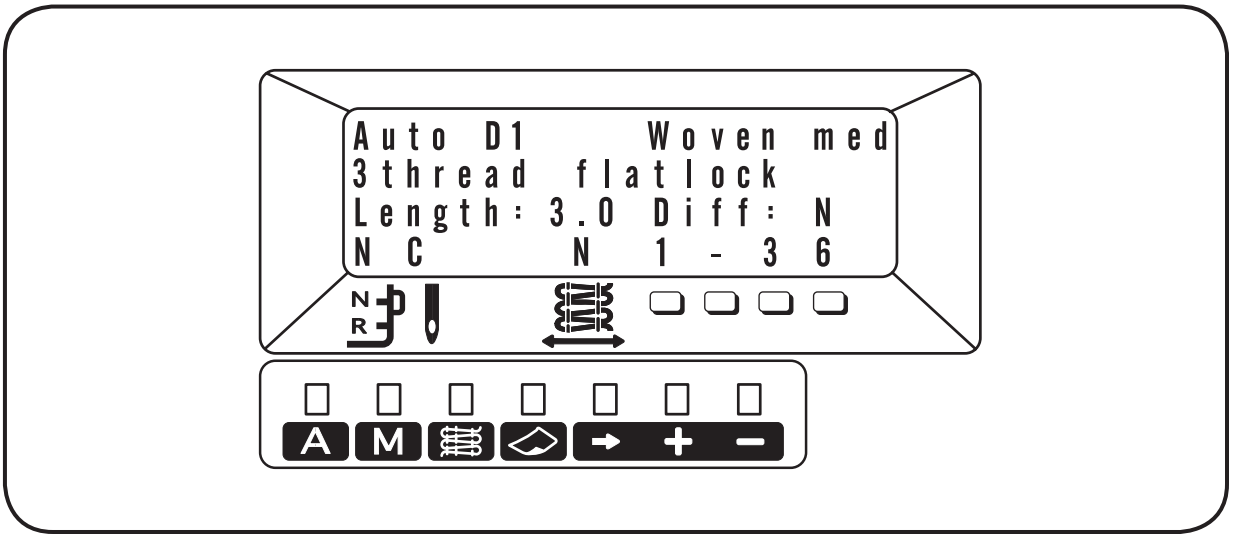
2-4. Stitch selection

Turn on the machine, and “Auto A1” type of fabric “Woven med” (for woven medium) and stitch “4-thread overlock” appears.

Change the stitch by pressing the selector key . Each time you press the key the recommended settings are displayed.

Example: If you press the stitch selector key 3 times, the following will be displayed: Compare with “Stitch table” page 20 and continue pressing the stitch selector key until the desired stitch is displayed.

When the display shows “—” for the thread tension, it means: Do not use thread here.



2-5. Selection of fabric

Select the fabric type with the fabric selector key . The recommended setting then appears on the Sewing Advisor. “Not advised” message appears when the setting is not recommended. See “Table of fabric”, page 20.

Set up your Huskylock as advised by the Sewing Advisor. The machine is now ready for sewing.

Note: Fabric and thread may vary. Always test sew before starting on your garments.

2-6. : Manual Mode

Manual Mode allows you to alter the AUTO setting. Your own setting can be stored in **Memory Mode** M, see page 19.

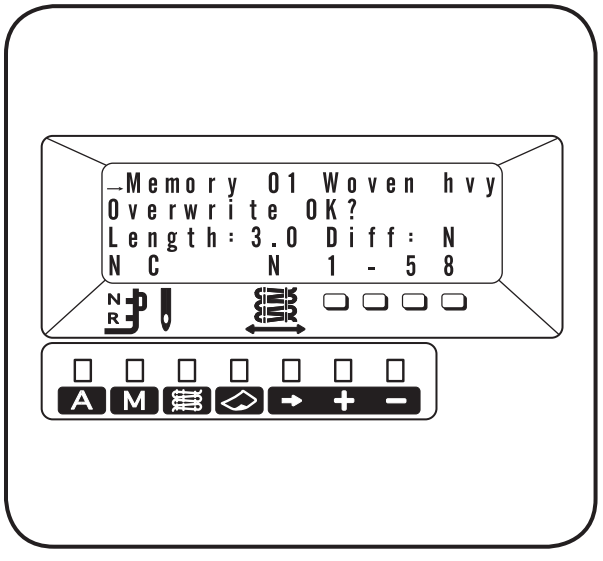
2-7. Manual setting

Enter **Manual Mode** by pressing the cursor key . The changeable number starts to blink. Move by means of the cursor key to the number to be changed.

Store new numbers
Increase the set number by pressing the (+) key and reduce the set number by pressing the (-) key. Continue pressing the (+) or (-) key until the desired numbers appear.

Note: To save this setting, store it in **Memory Mode**.

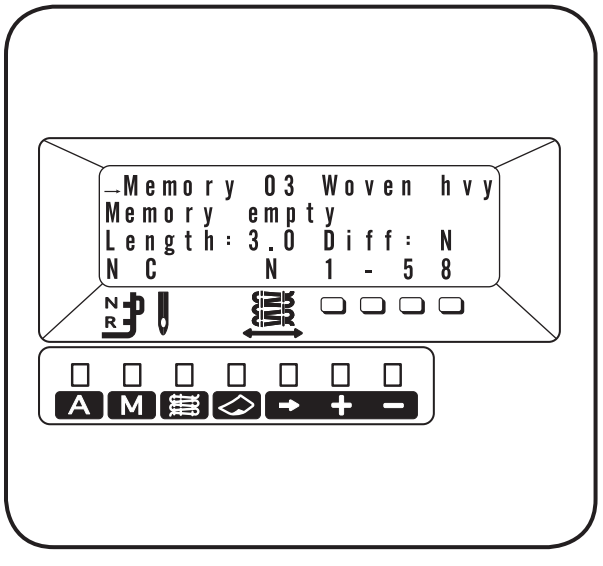
2-8. M : Memory Mode
After making new settings in **Manual Mode** you can store your settings or retrieve them in **Memory Mode**.



2-9. Storing new setting in memory
1. After changing the setting in **Manual Mode** →, press the M key and the memory number blinks. If the blinking memory number is used already “Overwrite OK?” message appears and blinks.
2. If you want to overwrite, press the M key.

Example: Memory number 1 is busy.

3. If you do not want to overwrite, press the (+) key until you reach an empty memory. When the memory is empty “Memory empty” blinks. Press the M key to store.



4. If you do not want to overwrite or store, press the A key to leave **Memory Mode**.

Example: Press the (+) key twice and memory number 3, which is empty, will be displayed.

There are 50 available memories.
On last page of the operating manual there is space for your notes about what you have stored. (See page 46-47)

2-10. Retrieve from memory

1. When presing the power switch the recommended standard settings are displayed.
2. Press the M key. Now " ←Memory" appears with the last setting you made before turning off the machine.
3. Select the memory you want to use by pressing the (+) or (-) key.
4. Ready to sew.

2-11. Delete from memory

1. Press the M key. Now " ←Memory" appears with the last setting you made before turning off the machine.
2. Select the memory you wish to delete by pressing the (+) or (-) key.
3. Then press the stitch selector key and the fabric selector key simultaneously. Now "Clear memory" appears and starts to blink.

Note: If you want to cancel the deletion, release both keys.

4. Press the M key while pressing the key and the key at the same time to execute the deletion.
5. "Memory empty" apears and the deletion is completed.

Press the A key for standard settings.

2-12. Stitch table

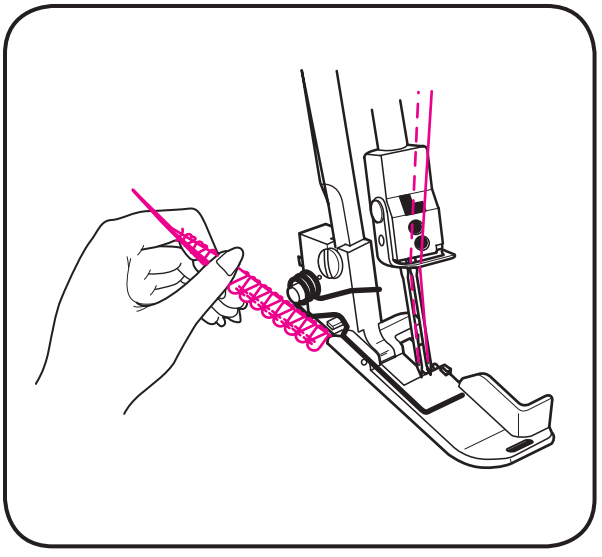
The following 11 stitches are programmed in the machine.

CODE	Stitch	Display text
A.	4thread overlock	4thread overlock
B.	3thread wide overlock	3thread wide o/l
C.	3thread narrow overlock	3thread narrow o/l
D.	3thread flatlock	3thread flatlock
E.	3thread rolled edge	3thread rolled edge
F.	3thread narrow rolled edge	3thread narrow edge
G.	2thread wide overlock	2thread wide o/l
H.	2thread narrow overlock	2thread narrow o/l
I.	2thread flatlock	2thread flatlock
J.	2thread rolled edge	2thread rolled edge
K.	2threae narrow rolled edge	2threae narrow edge

2-13. Table of fabric

Code fabric display abbreviations.

CODE	Fabric	Display text
1.	Medium woven	Woven med
2.	Heavy woven	Woven hvy
3.	Light woven	Woven lt
4.	Medium stretch knit	Knit med
5.	Heavy stretch knit	Knit hvy
6.	Light stretch knit	Knit lt



3. SEWING

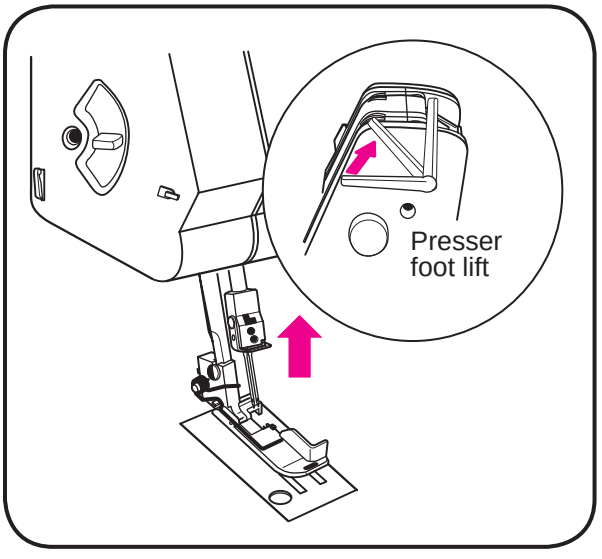
3-1. Four thread overlock stitch with 2 needles

Before sewing

Once you have finished threading, place the four threads under and behind the presser foot. Turn the handwheel toward you 2-3 turns so that the stitches are formed on the stitch finger.

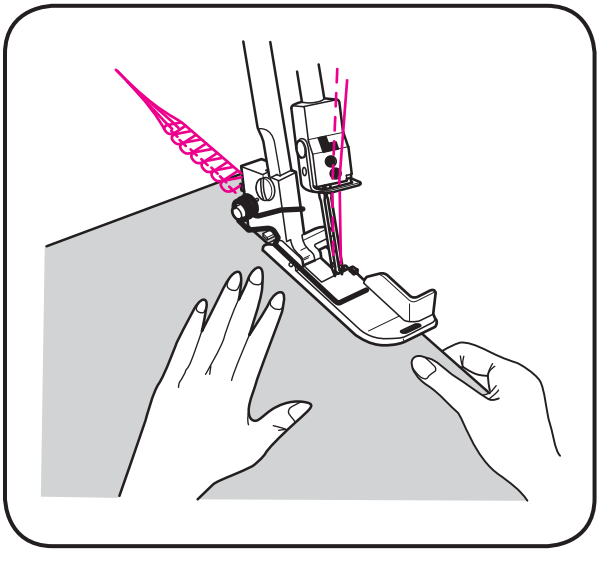
Warning:

Keep fingers away from all moving parts. Special care is required around the sewing area and lower looper. Do not touch light bulb while operating machine as it is hot and may burn your fingers.



Insert the fabric

When you are ready to sew, place the fabric under the front part of the presser foot, the presser foot does not have to be raised. When sewing with very heavy fabrics the extra presser foot lift may be necessary. Place the fabric underneath the foot with the raw edge of the fabric in front of the cutter. Lower the presser foot.

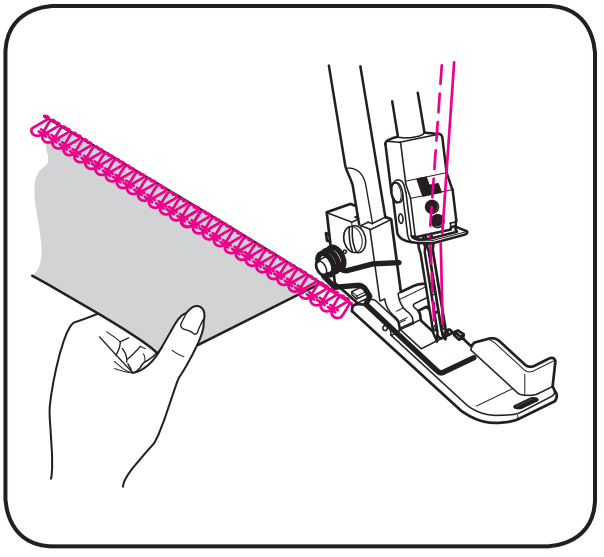


Start sewing

Slowly sew the first stitches by turning the handwheel toward you. The fabric feeds automatically. Guide it toward the presser foot, trimming as necessary.

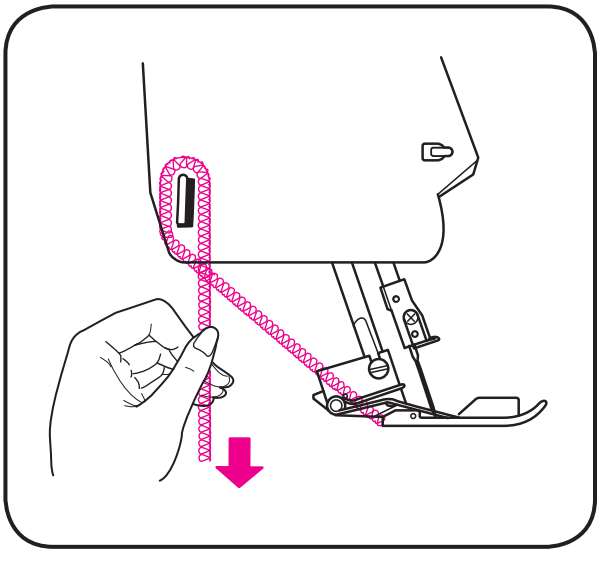
Chain off

When you reach the end of the fabric, chain off for several inches.

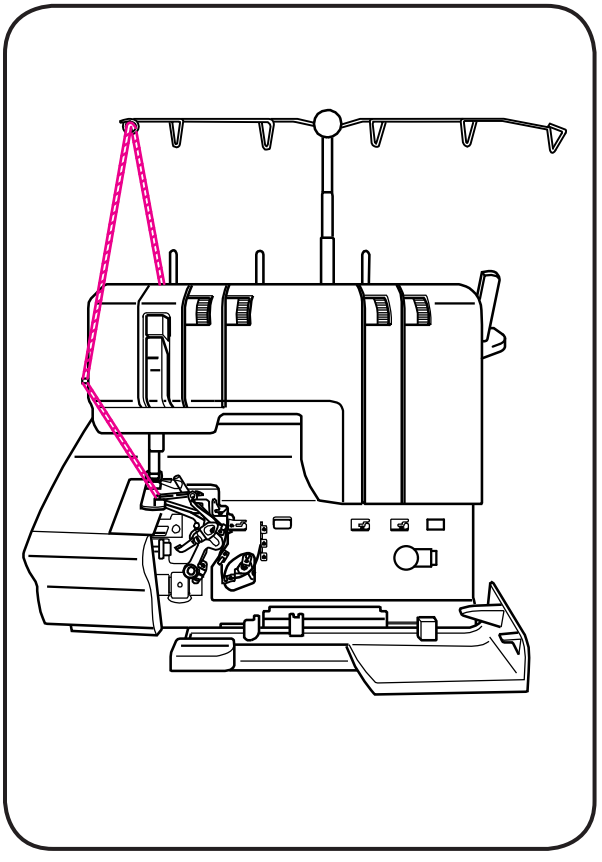


Note: Do not pull the threads out roughly, because the needle might bend or break.

- Cut off the thread chain using the thread cutter on the left of the machine.



Note: Lay thread chain into thread cutter from back to front, then pull toward you.

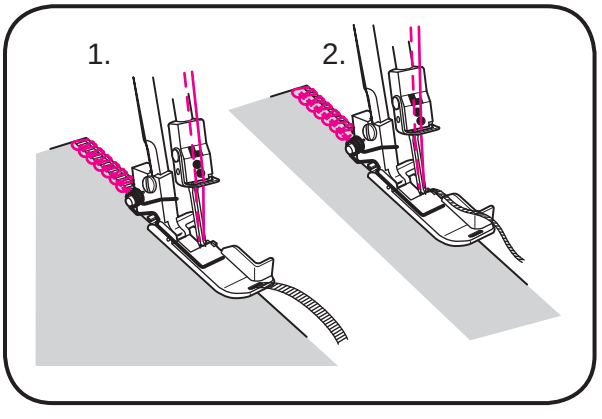


Cording thread / Decorative thread

Cording thread / decorative thread can be used to strengthen and stabilize stitches when seaming stretch fabrics.

Listed below are two ways of using corded thread:

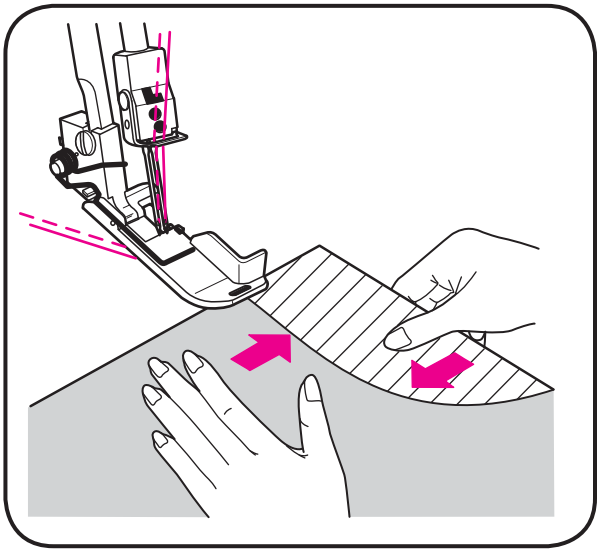
- Thread cord through the loop at the extreme left of the telescopic stand and through the guide on the left of the machine.



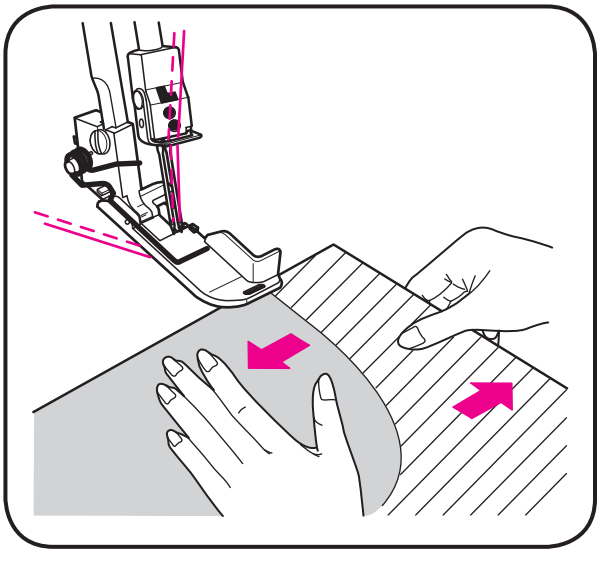
1. Place the narrow cord (about 3 mm) into the front hole of the presser foot and back under the foot, then sew so the right needle stitches through the cord.
2. Thread a narrow cord through the small hole on the right side of the presser foot near the needles according to the illustration. Make sure that the thread runs along the edge of the fabric, then sew over the thread.

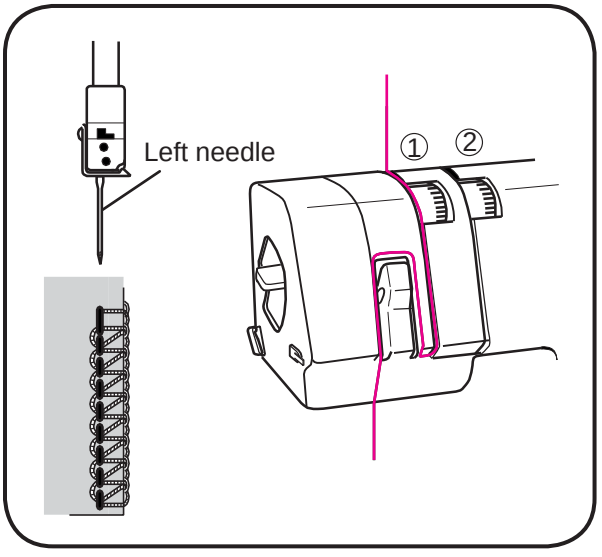
Serging curves

For inside curves, guide the fabric lightly and place the fabric under the right front of the presser foot. 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 to hold it against the cutter as shown.



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



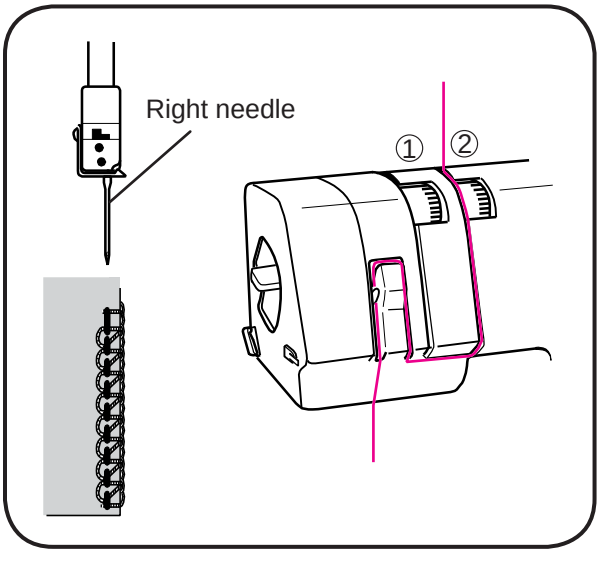


3-2. Three thread overlock

To sew three thread overlock, simply remove one needle.

1. Remove the right needle for wide three thread

Use dial 1 for the tension of the left needle thread, stitch width/cutting width is normally 6 mm. The differential feed ratio is normally “N”.

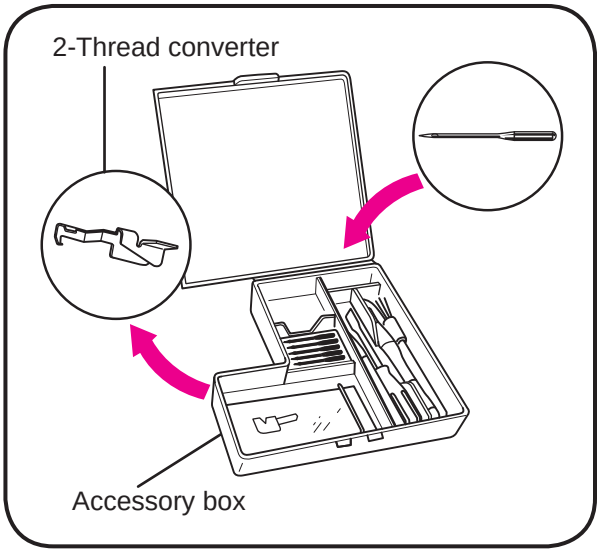


2. Remove the left needle for narrow three thread

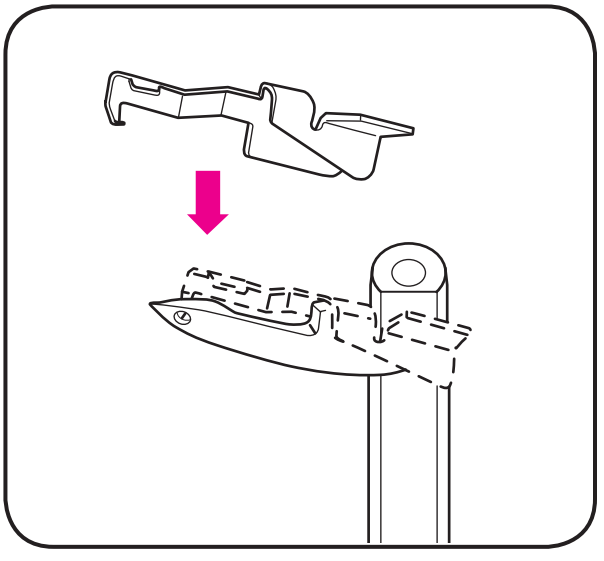
The right needle sews a narrow width. Use dial 2 for the tension of the right needle thread, stitch width/cutting width is normally 4 mm. The differential feed ratio is normally “N”.

3-3. Two thread overlock (Model 905)

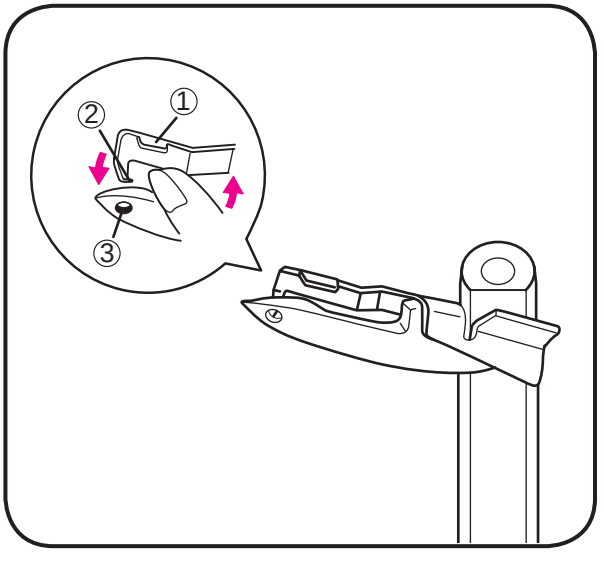
1. Use one needle thread (left or right needle) and lower looper thread.
2. Take out the 2-Thread converter for the upper looper from the accessory box.

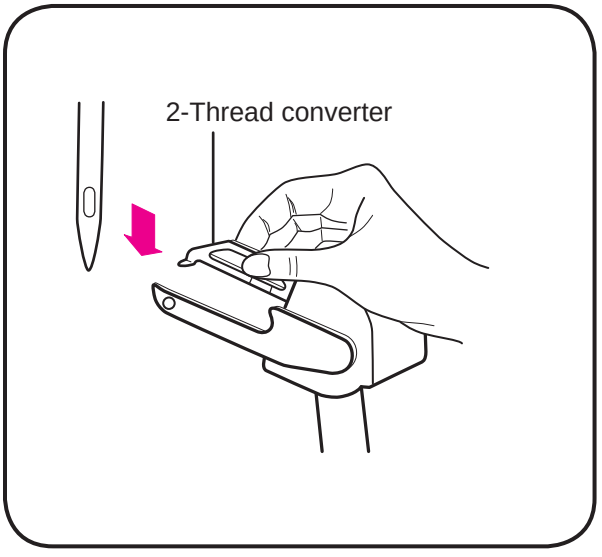


3. Open the front cover. Make sure that the upper looper is to the right of the needle by turning the handwheel toward you. Place the two thread converter on the upper looper as illustrated.



4. Push the 2-Thread converter 1 back as illustrated and insert the tip 2 into the eye 3 of the upper looper.



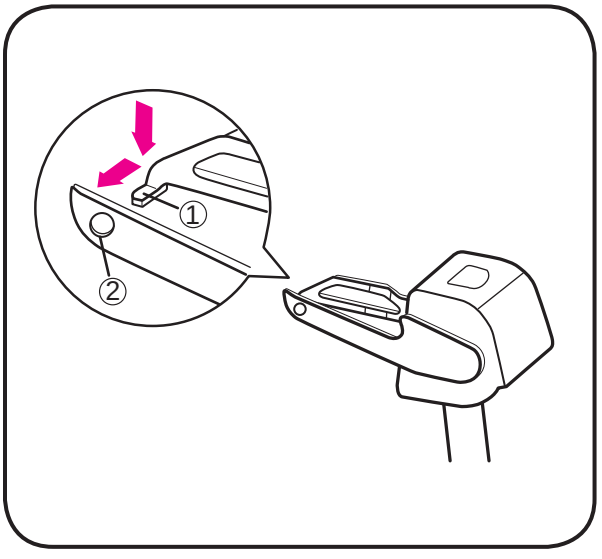


3-3. Two thread overlock (Model 910)

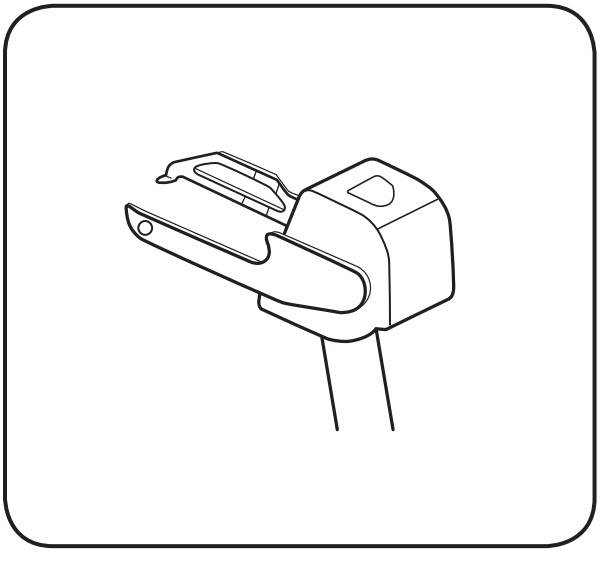
1. Open the front cover.
2. Use one needle thread (left or right needle) and lower looper thread.
3. Turn the handwheel toward you to move the upper looper to the right side of the needle.
4. Hold the 2-thread converter by hand and gently push it down.

Warning:

Pushing converter down too hard may bend converter.



5. Insert the tip 1 of the 2-thread converter into the eye 2 of the upper looper.
6. Close the front cover.

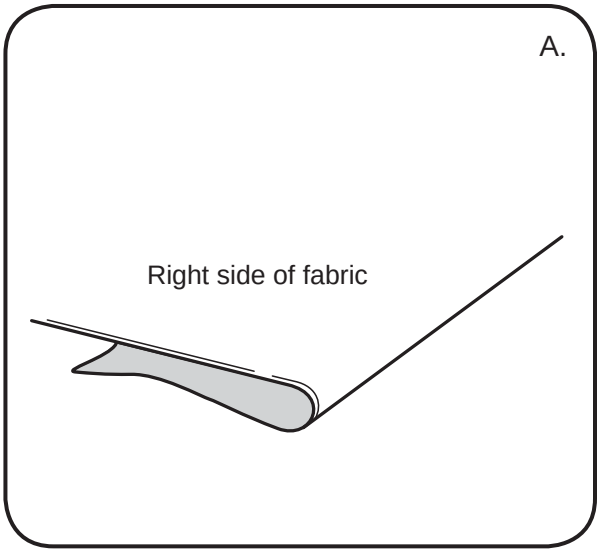


For 3-thread/4-thread overlock sewing, set 2-thread overlock converter in the up position as illustrated, by removing the tip 1 out of the eye 2 of the upper looper.

3-4. Flatlock

There are two ways to sew a flatlock stitch, with wrong sides folded together to create a decorative look and with right sides folded together to create ladder stitch as used for lingerie.

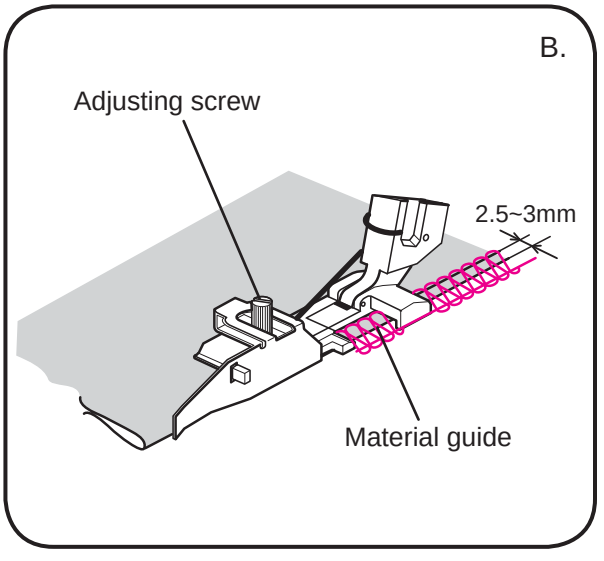
1. Fold the material with wrong sides together. Then raise the presser foot, set the material so that it is under the needle, and then lower the presser foot. Set the stitch width control dial to (5-7). Sew, allowing the thread to loop off the edge (C).



Flatlock with multipurpose foot:

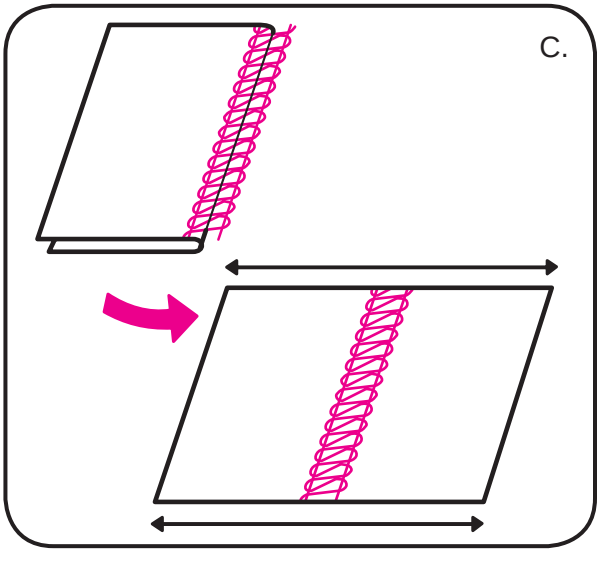
2. Adjust with the adjusting screw so that the needle moves down to a position 2.5~3.0mm (0.1~0.12 in.) inside the folded edge of the material so that some of the stitching loops over the edge.
3. While guiding the material with your hand, sew at a constant speed.

Note: This foot will make it easier to sew along the folded edge without cutting the fabric.



4. Pull the material open (flat) as shown. This method is not suitable for thin materials. To adjust the position of the material guide, the same piece of material can be used to make a test sewing.

Note: For use of decorative threads in looper, decrease tensions and program your settings in one of the memories for future use.

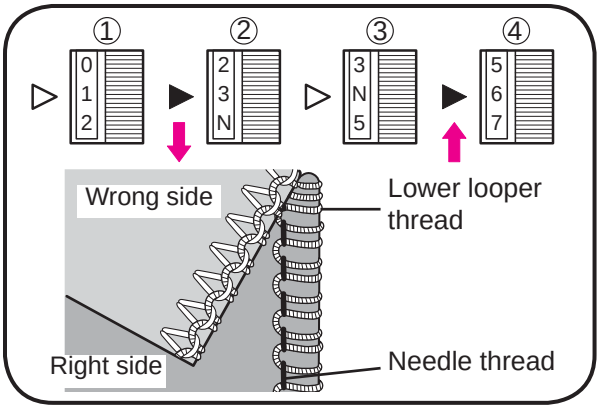


3-5. Stitch selection table-two thread sewing

Thread Tension Stitches	Material	Left Needle	Right Needle	Upper Looper	Lower Looper	Stitch Length Dial	Cutting Width Dial	Stitch Finger
2-Thread Overlock (Narrow)	Light	-	3	-	6	N-3	N	N
	Normal	-	3	-	6			
	Heavy	-	3	-	7			
2-Thread Overlock (Wide)	Light	1	-	-	6	N-3	N	N
	Normal	1	-	-	6			
	Heavy	2	-	-	7			
2-Thread Narrow Edge	Light	-	3	-	5	1-1.5	5.0	R
	Normal	-	N	-	6			
	Heavy	-	-	-	-			
2-Thread Rolled Edge	Light	-	N	-	N	1-1.5	5.0	R
	Normal	-	N	-	N			
	Heavy	-	-	-	-			

Set tension according to the table above. Since the figures in the table are average, it may be necessary to adjust the tension according to the type of fabric, fabric thickness and thread.

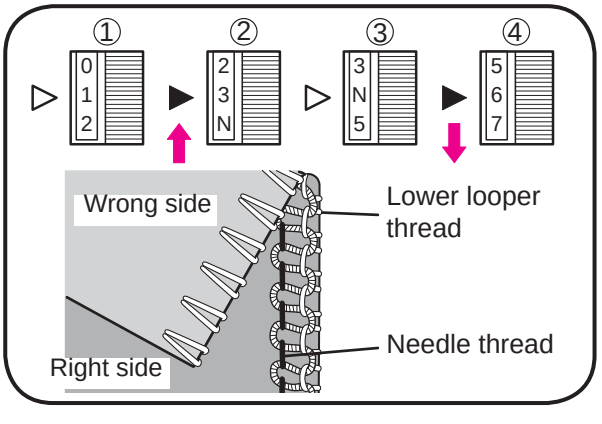
Note: Fabric and thread may vary. Stitch a sample on scraps before sewing your garment. The differential feed ratio is normally set to “N” (see page 15).



Thread tension adjustment / Correct thread tension

Unbalanced lower looper thread-stitches are wrapped around and over the wrong side

Increase the thread tension of the lower looper thread (dial 4) or reduce the tension of the right needle thread (dial 2).



Unbalanced needle thread tension-stitches too loose

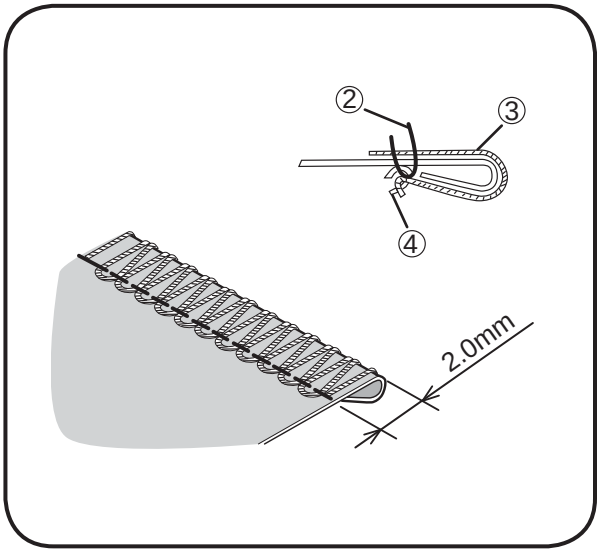
Increase the thread tension of the right needle thread (dial 2) or reduce the tension of the looper thread (dial 4).

3-6. Rolled edge

Three thread rolled edge

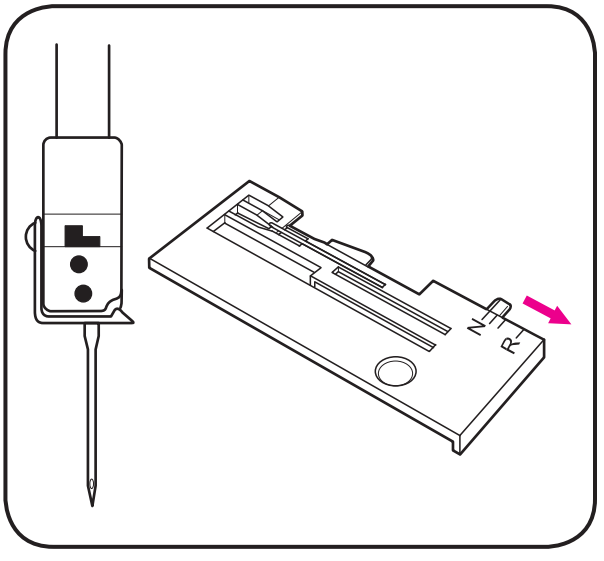
Narrow edging rolled edge

The fabric is overlocked with upper and lower looper. The fabric is rolled by adjusting the thread tension and is overlocked with upper looper thread.



The two edges described above are suitable for lightweight fabrics.

1. Remove the left needle (only sew with right needle).
2. Pull the stitch finger lever toward you to position “R” on the stitch plate.
3. Sew along edge of fabric, cutting desired amount for a beautiful finish on table linens or hems.



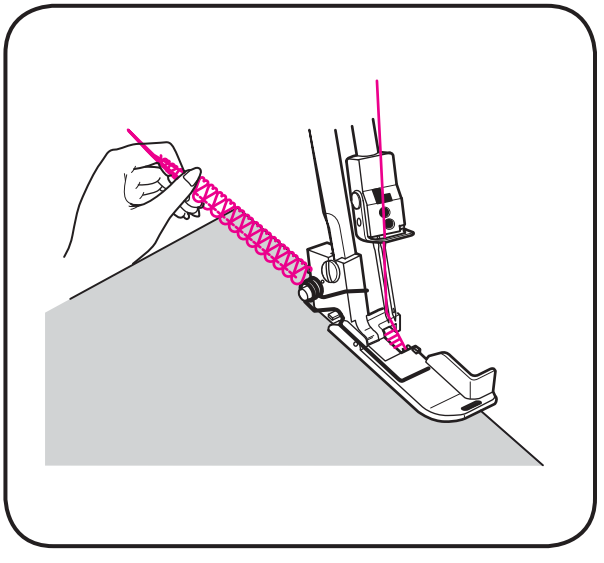


Table for three thread rolled edge and narrow edge

	Rolled edge	Narrow edge
Cutting width	5 ~ 6 mm	5 ~ 6 mm
Stitch length	1 ~ 1.5 mm	1 ~ 1.5 mm
Differential feed ratio	N	N

Thread tension

Right needle thread (2)	3 ~ 5	3 ~ 5
Upper looper thread (3)	3 ~ 5	4 ~ 6
Lower looper thread (4)	7 ~ 9	3 ~ 5

Adjust as needed according to type of fabric and thread.

Two thread rolled edge

1. Convert to 2-thread overlock, see page 26-27
2. Use right needle only and pull stitch finger lever toward you to align with “R” on the stitch plate.

Table for two thread rolled edge and narrow edge

	Rolled edge	Narrow edge
Cutting width	N	N
Stitch length	1 ~ 1.5 mm	1 ~ 1.5 mm
Differential feed ratio	0.8 ~ N	0.8 ~ N

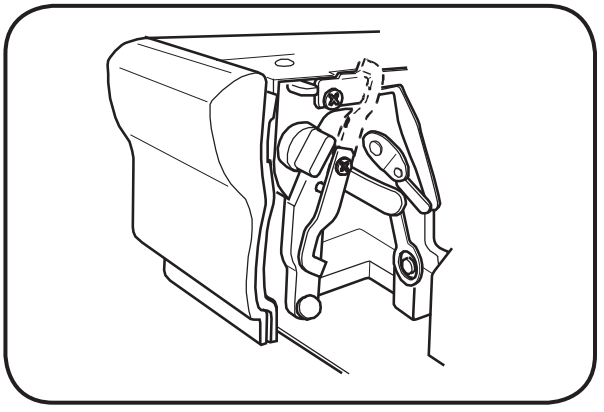
Thread tension

Right needle thread (2)	N	N
Upper looper thread (3)	-	-
Lower looper thread (4)	N	6

3-7. Pin tuck

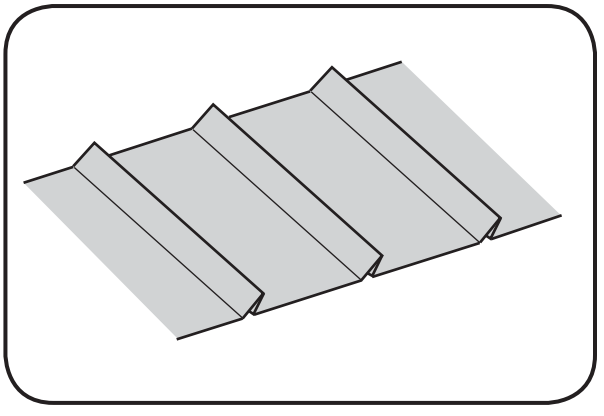
Pin tucks are stitched along a folded edge. To avoid cutting the fabric, use the multipurpose foot. Pin tucks are suitable for children's clothes and lady's blouses.

1. Use the left needle for wide tucks, the right needle for narrow.
2. Snap on multipurpose foot and adjust guide. (page 28)
3. Raise the presser foot.
4. The tension is set for normal overlock "N".

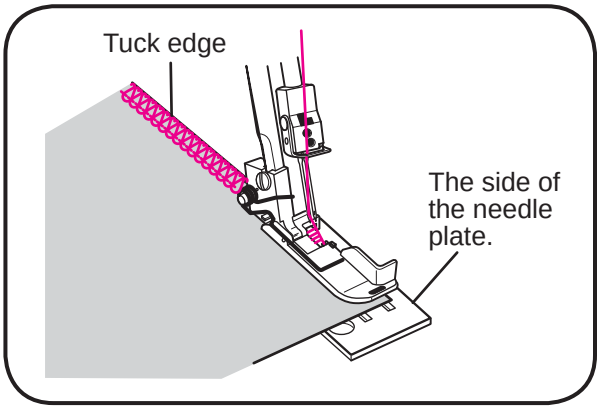


Model 910: Use stitch B or C.

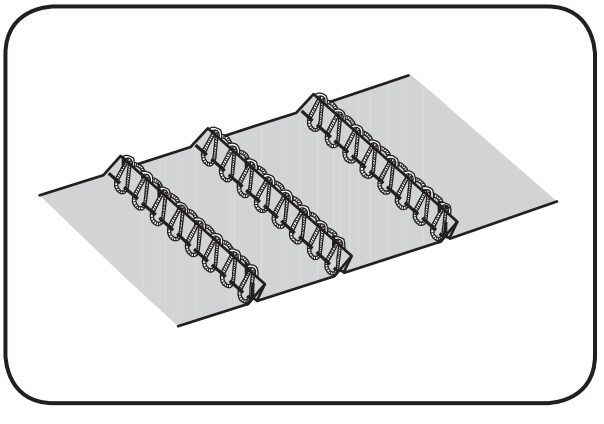
Mark and press the pin tucks before sewing.
The differential feed ratio is normally "N".

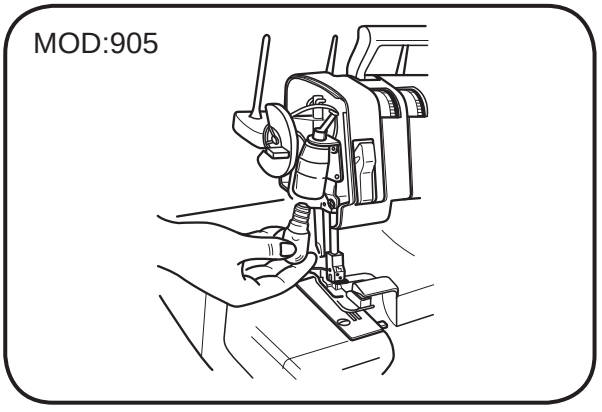


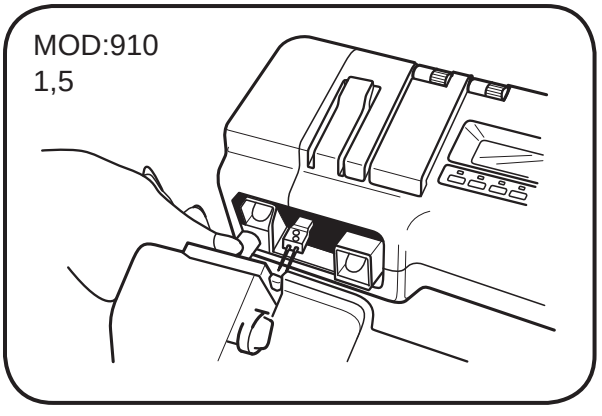
5. Place the fabric under the presser foot with the edge in line with the side of the stitch plate, or guide on the multipurpose foot, lower the presser foot and start serging. Make a chain stitch at the end of the serging.

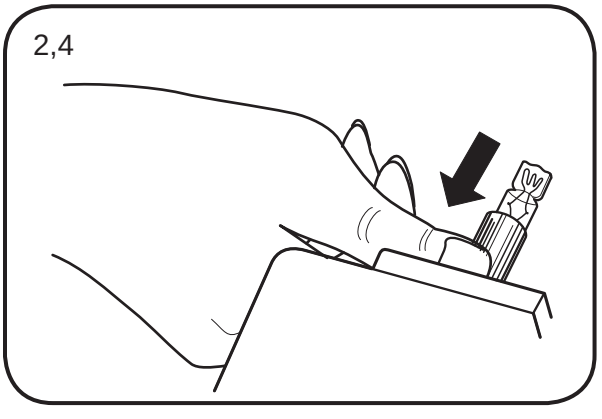


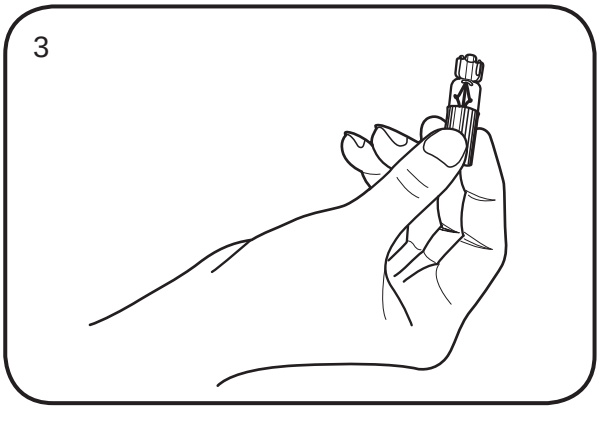
6. The tuck is pressed to one side when serging is finished.











3-8. Changing the light bulb

Warning:

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

Note: The maximum power of the light bulb is 15W (model 905) respectively 12V/5W (model 910).

Model 905:

1. Unplug the machine.
2. Remove the screw on the side (at the presser foot pressure).
3. Remove the lamp cover.
4. Change the light bulb.
5. Replace the lamp cover and tighten the screw.

Model 910:

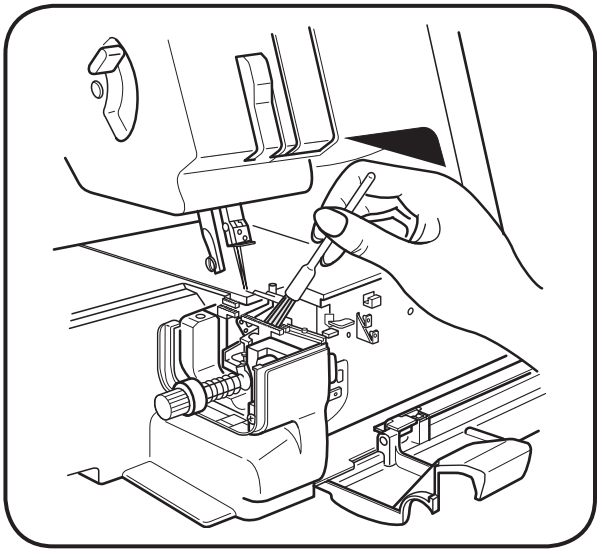
Changing the light bulb

1. Unplug the machine.
2. Lay machine on its back.
3. Place the rubber sleeve with its deep hool (found in the accessory box) around the bulb.
4. Do not turn the bulb, just pull it down to remove the bulb.
5. When inserting, place the rubber sleeve with its shallow hole around the new bulb, insert the bulb by pushing it up.
6. Check with finger tips that the new bulb is properly fitted.

3-9. Cleaning after sewing

- First unplug the machine.

1. Open the front cover and free arm cover (See page 3).
2. Remove all the lint with the brush from the accessory box.



3-10. Storage

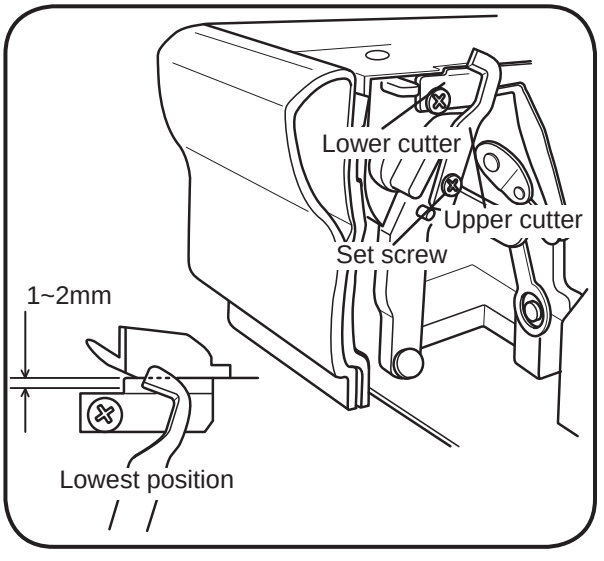
1. When the machine is not in use, disconnect it from the power supply.
2. Cover the machine with the vinyl cover when you have finished sewing.
3. Store the machine so that it is not directly exposed to sunlight or humidity.

3-11. Replacing the lower cutter

Cutters are available as an accessory at your authorized **Husqvarna** dealer.

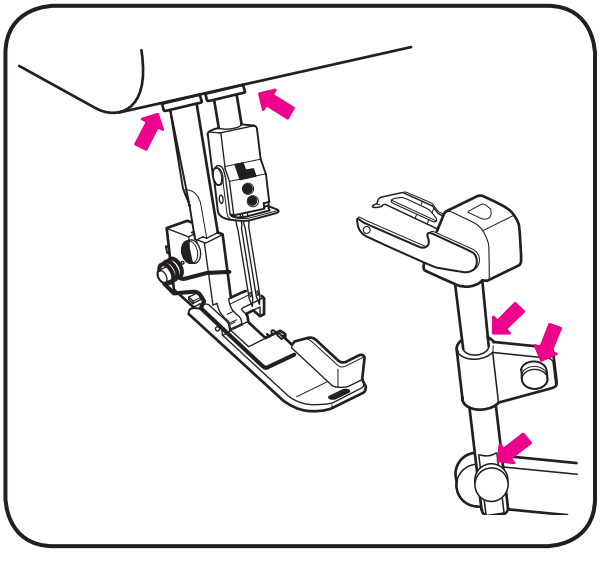
- Unplug the machine

1. Open the front cover (See page 3).
2. Disengage upper cutter and turn to lowest position.
3. Loosen the screw of the lower cutter and remove the cutter.
4. Mount the new cutter.
5. Re-position the upper cutter.
6. Turn the handwheel so that the needles are in their lowest position.
7. Make sure that the front edge of the cutter is 1~2 mm lower than the cutting edge of the lower cutter.
8. Tighten the new cutter with the screw.
9. Always clean with the brush.



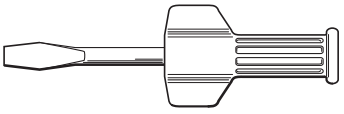
3-12. Lubrication

To make the machine run smoothly and quietly some of the moving parts must be lubricated once or twice a month when using the machine normally and once a week when using it frequently. Always remember to unplug the machine for service. Remove all excessive oil before you start sewing.



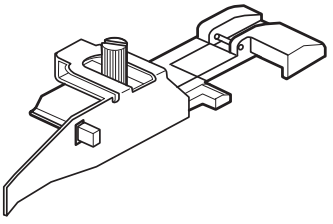
4. ACCESSORIES

Screw driver



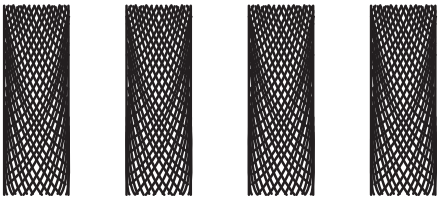
Allen wrench
(1.5mm)

Multipurpose foot

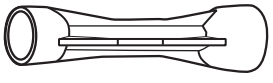


Cleaning brush

Net for thread spools

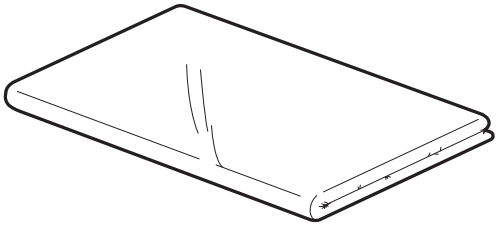


Light bulb changer (model 910)

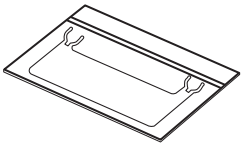


Oiler

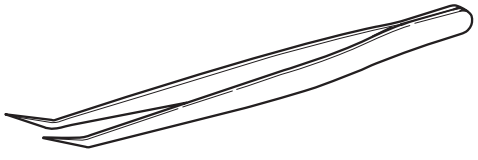
Vinyl cover



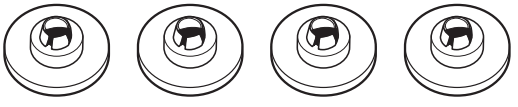
Waste tray



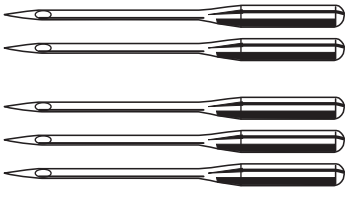
Tweezers



Spool holder



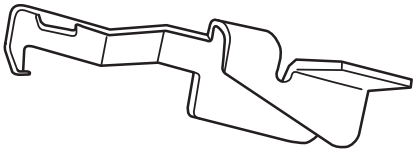
Needles (SCHMETZ 130/705H)



#90

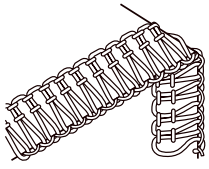
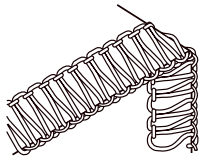
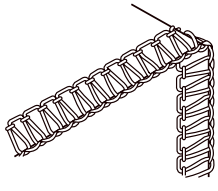
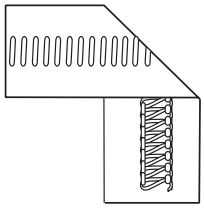
#80

2-Thread converter (model 905)

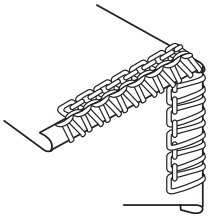
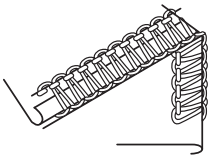
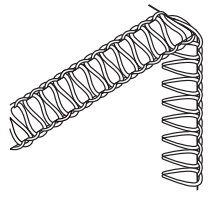
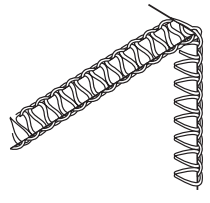


5. STITCH TABLE

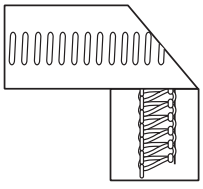
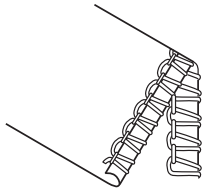
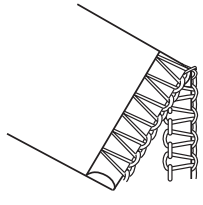
LCD Data reference sheet (For 4thread model)

Combination		Stitch Length	Diff. Feed	Stitch Finger	Needle Pos.	Cutting Width	Thread tension			
Sewing Program	Material						Y	R	G	B
A 4Thread Overlock 	Woven Med	N	N	N	CD	N	N	N	N	N
	Woven Hvy						N	N	N	N
	Woven Lt						N	N	N	N
	Knit Med		1.5				3	N	N	N
	Knit Hvy		2.0				3	N	N	N
	Knit Lt		N				3	N	N	N
B 3Thread Wide Overlock 	Woven Med	N	N	N	C	N	N	-	N	N
	Woven Hvy						N	-	N	N
	Woven Lt						N	-	N	N
	Knit Med		1.5				3	-	N	N
	Knit Hvy		2.0				3	-	N	N
	Knit Lt		N				N	-	N	N
C 3Thread Narrow Overlock 	Woven Med	N	N	N	D	N	-	N	N	N
	Woven Hvy						-	5	N	N
	Woven Lt						-	N	N	N
	Knit Med		1.5				-	N	N	N
	Knit Hvy		2.0				-	N	N	N
	Knit Lt		N				-	N	N	N
D 3Thread Flatlock 	Woven Med	3.0	N	N	C	N	1	-	3	6
	Woven Hvy						1	-	3	6
	Woven Lt						1	-	2	6
	Knit Med		1.5				1	-	N	6
	Knit Hvy		2.0				1	-	5	7
	Knit Lt		N				1	-	N	7

LCD Data reference sheet (For 4thread model)

Combination		Stitch Lenght	Diff. Feed	Stitch Finger	Needle Pos.	Cutting Width	Thread tension			
Sewing Program	Material						Y	R	G	B
E 3Thread	Woven Med	1.0	N	R	D	6.0	-	N	N	6
Rolled Edge	Woven Hvy	NOT ADVISED								
	Woven Lt	1.0	0.8	R	D	6.0	-	N	N	6
	Knit Med	NOT ADVISED								
	Knit Hvy									
	Knit Lt	1.0	N	R	D	6.0	-	N	N	6
F 3Thread	Woven Med	1.0	N	R	D	6.0	-	N	5	N
Narrow Edge	Woven Hvy	NOT ADVISED								
	Woven Lt	1.0	0.8	R	D	6.0	-	N	6	N
	Knit Med	NOT ADVISED								
	Knit Hvy									
	Knit Lt									
G 2Thread	Woven Med	3.0	N	N	C	N	1	-	-	6
Wide Overlock	Woven Hvy						2	-	-	7
	Woven Lt						1	-	-	6
	Knit Med		1.5				1	-	-	6
	Knit Hvy		2.0				1	-	-	6
	Knit Lt		N				1	-	-	6
H 2Thread	Woven Med	3.0	N	N	D	N	-	3	-	6
Narrow Overlock	Woven Hvy						-	3	-	7
	Woven Lt						-	3	-	6
	Knit Med		1.5				-	3	-	7
	Knit Hvy		2.0				-	3	-	7
	Knit Lt		N				-	3	-	6

LCD Data reference sheet (For 4thread model)

Combination		Stitch Length	Diff. Feed	Stitch Finger	Needle Pos.	Cutting Width	Thread tension			
Sewing Program	Material						Y	R	G	B
I 2Thread Flatlock 	Woven Med	3.0	N	N	C	N	1	-	-	5
	Woven Hvy						2	-	-	6
	Woven Lt						1	-	-	5
	Knit Med		1.5				2	-	-	6
	Knit Hvy		2.0				2	-	-	6
	Knit Lt		N				1	-	-	5
J 2Thread Rolled Edge 	Woven Med	1.0	N	R	D	N	-	N	-	N
	Woven Hvy	NOT ADVISED								
	Woven Lt	1.0	0.8	R	D	5.0	-	N	-	N
	Knit Med	NOT ADVISED								
	Knit Hvy									
	Knit Lt	1.0	N	R	D	5.0	-	6	-	5
K 2Thread Narrow Edge 	Woven Med	1.0	N	R	D	N	-	N	-	6
	Woven Hvy	NOT ADVISED								
	Woven Lt	1.0	0.8	R	D	5.0	-	3	-	5
	Knit Med	NOT ADVISED								
	Knit Hvy									
	Knit Lt	1.0	N	R	D	N	-	3	-	5

6. TABLE OF SEWING MATERIALS, NEEDLES AND THREADS

	Thin materials (crepe, georgette)	Medium materials (chino, gabardine, etc.)	Thick materials (thick denim)
HA*1 Needle (SCHMETZ 130/705H) (For home-use sewing machine)	#80	#80 ~ #90	#90
Thread	Polyester (spun filament) Twisted thread #60/2~#80/2 (Twisted thread #80/3~#100/3)	Twisted thread #60/2	Twisted thread #50/2~#60/2
Thread tension (Needle thread)	Loose	Medium	Tight
	(Set the balance of looper tensions weak)		
Overedging width (Between left needle and edge)	5.0 ~ 5.5 mm	5.0 ~ 5.5 mm	5.5 ~ 6.0 mm
Stitch length	2.0 ~ 2.5 mm	2.5 ~ 3.0 mm	2.5 ~ 3.0 mm

Use ball point needles for stretch fabrics.

7. TROUBLE SHOOTING

Under normal conditions, if you carefully follow instruction for operating, no difficult or special adjustment is necessary for this machine.

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

PROBLEM	CAUSE	CORRECTION	REFERENCE PAGE
Machine does not sew	• Not plugged in properly	• Plug cord into electrical outlet and machine properly	4
Machine does not feed properly	• Pressure on presser foot insufficient • Differential feed not set correctly	• Increase pressure by setting lever to 5 • Adjust differential feed	11 15
Needle breaks	• Bent or blunt needle • Needle inserted incorrectly • Pulling fabric while sewing	• Insert new needle • Reset needle • Do not pull fabric	5 5 22
Breaking threads	• Improper threading • Thread tension(s) too tight • Incorrect tension setting of needle	• Re-thread machine • Reset thread tension(s) • Reset needle/change to new needle	8~10 11 5
Skipping stitches	• Bent or blunt needle • Needle inserted incorrectly • Improper threading	• Insert new needle • Reset needle • Re-thread machine	5 5 8~10
Irregular stitches	• Tension not adjusted properly	• Check thread tensions	11~15
Puckering	• Needle thread tensions are too tight • Improper threading • Need differential feed	• Loosen needle thread tensions • Re-thread machine • Set differential feed 0.5-N	11~15 8~10 15

8. SPECIFICATIONS

Number of threads	4 Threads (3 Threads) (2 Threads)
Number of needles	2 Needles (1 Needle)
Needles	Standard SCHMETZ 130/705H No.80-90
Width between two needles	2 mm
Overlock width	Standard 5.5 mm (Range 5.0-7.0 mm)
Stitch length	0.8-5.0 mm
Differential feed ratio	0.5-2.5 (Max 10 mm)
Maximum sewing speed	1300 Stitches/min
Machine dimensions	Width : 370 mm Depth : 265 mm (Max. 340 mm) Height : 285 mm (Max. 350-555 mm)
Weight	9.0 kg

10. NOTE

Memory No.	Date	Note

Memory No.	Date	Note

9. INDEX

Accessories 35
Accessory Box 4
Automatic Mode ..... 16~18
Chaining off 22
Cleaning 34
Connection 4
Cording 23
Cursor key 16
Curves 24
Cutters
  Cutting width 14
  Disengaging 7
  Replacing 34
Decorative Threads 23
Differential Feed 15
Display Functions 16
Elastic Foot (Optional) 43
Fabric Selection Key 16, 18
  Fabric Types ..... 36~39
Feed Fabric 40
Feed Teeth 15
Flatlock 28
Four Thread
  Sewing ..... 21~24
  Threading ..... 8~10
Free Arm 7
Front Cover 3
Handwheel 3
Irregular Stitches 40
Language Selection 17
LCD Data ..... 16~20
Light Bulb 33
  Changing 33
Lubrication ..... 16, 18~19
Material Types 36
Memory Mode ..... 16, 18~20
  Delete 20
  Programming 19
  Retrieve program 20
Multipurpose Foot 28, 32
Needles
  Breakage 40
  Replacing 5
  Threading 10
  Size and type 39, 41
Oiling 34
Pin Tucks 32
Piping Feet 44
Power Switch 4
Preparation 3
Presser Foot / Feet
  Changing 3
  Lift 7
  Pressure 11
Problem Solving 40
Programming 19
Puckering 40
Rolled Edge ..... 30~31
Sewing Advisor ..... 16~19
Skipped Stitches 40
Specifications 41
Speed Adjustment 5
Spool Holders 6
Stitch Finger 7
  Position 14, 16
  Rolled Edge 30
Stitch Length 14, 36, 39
Stitch Selection Key 16, 18
Stitch Width 14, 36, 39
Tensions 11, 36
  Balanced 12
  Lower Looper 13
  Needles 13
  Two Thread 29
  Upper Looper 12
Thread Breakage 40
Thread Nets 6
Thread Stand 5
Threading
  Changing 6
  Needles 10
  Loopers ..... 8~9
  Four Thread ..... 8~10
  Lower Looper 9
  Three Thread ..... 8~10
  Two Thread ..... 9~10
  Upper Looper 8
Three Thread Overlock 25, 31
  Rolled Edge 30
  Threading ..... 8~10
Trouble Shooting 40
Two Thread Overlock 26,27,29,31
  Rolled Edge 31
  Threading 29

Husqvarna VIKING

VSM Group AB • SE-561 84 Huskvarna, Sweden
www.husqvarnaviking.com

412 85 75-26B • © 2006 VSM Group AB • All rights reserved • Printed in Sweden on environmentally-friendly paper