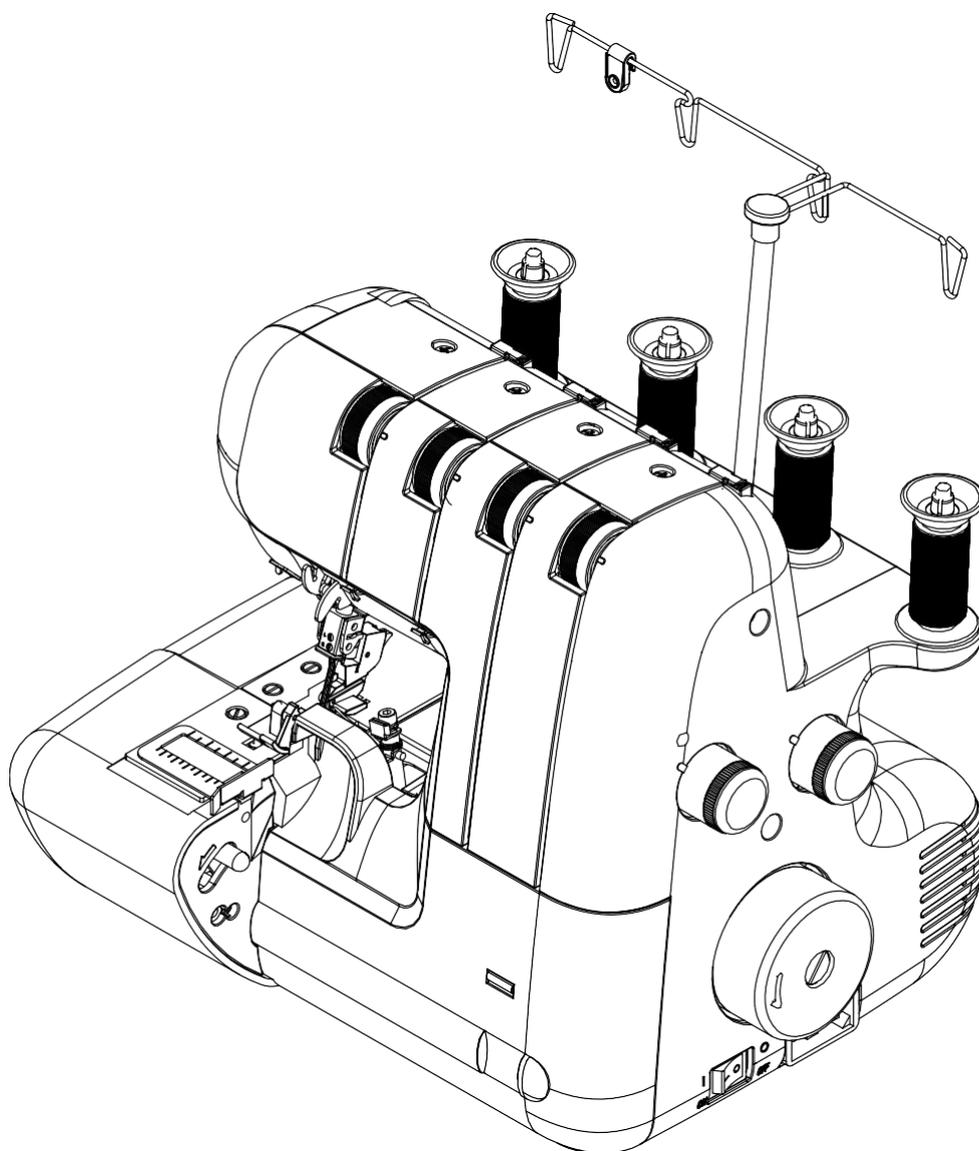


# VERITAS®

## Elastica II overlock machine



EN Instruction Manual

## DEAR CUSTOMER

We congratulate you on your purchase of your sewing machine. You have bought a quality product which has been made with great care and, if serviced right, will serve you well for many years.

Before using it for the first time, we ask you to read the manual at hand carefully, paying special attention to the safety instructions. Persons who are not familiar with this manual must not use the appliance.

In this manual, you will find everything there is to know about possible applications of your sewing machine. Should any questions remain unanswered, we kindly ask you to turn to your dealer.

**We wish you much pleasure and great sewing successes!**

Questions concerning machine, service and customer care



[www.service.veritas-sewing.com](http://www.service.veritas-sewing.com)

# INTENDED USE



## **Danger! Electric shock due to humidity**

- The sewing machine must only be stored and used in dry rooms.
- Humidity and dampness may cause an electric shock.

## **Danger! Eye injuries due to a broken needle**

- Only soft, flexible textiles may be sewn.
- The machine is not designed for sewing materials such as thick, hard or inflexible leather, tarpaulins, canvas, etc.; the needle may break.
- The needle can break if the material is not transported by the motor and is instead pushed or held back by the user.

## **Danger! Needle-prick injuries if operated accidentally**

- The machine may only be used by careful adults.
- Children and persons with restricted abilities may only use the machine after thorough instruction and under constant supervision.
- Never leave an operational machine in areas to which children have access.
- The main switch must be turned off for all preparation or configuration tasks.

## **Danger! Risk of injury due to defects or modifications.**

- The machine must not be modified.
- Repairs must be carried out by the technical service.
- Damage, modifications, or the use of non-original accessories can lead to injuries.
- Defective machines must no longer be used.

## **Danger! Unsuitable installation sites (workplaces) can result in accidents.**

- The machine must only be operated when on a stable surface.
- Shaky, unstable or untidy workplaces can cause the machine to fall down or cause needle-prick injuries.

## **Danger! Persons without knowledge of these operating instructions may injure themselves or damage the sewing machine.**

- Only use this sewing machine if you have a basic knowledge of how to use sewing machines.

## **Danger! Needle-prick injuries may occur if you do not pay attention.**

- Take time, ensure the workplace is tidy and guide the material calmly through the machine without using force.

## **Caution! This machine is designed for use in a private home.**

The machine is not approved for professional or commercial use.

# IMPORTANT SAFETY INSTRUCTIONS

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

Read all instructions before using this sewing machine.

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

1. Do not allow to be used as a toy. Close attention is necessary when this sewing machine is used by or near children.
2. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
3. 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.
4. 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.
5. Never operate the sewing machine with any air openings blocked. Keep ventilation openings of the sewing machine and foot control free from the accumulation of lint, dust, and loose cloth.
6. Never drop or insert any object into any opening.
7. Do not use outdoors.
8. Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
9. To disconnect, turn switch to the off ("O") position, then remove plug from outlet.
10. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
11. Keep fingers away from all moving parts. Special care is required around the sewing machine needle.
12. Never sew with a damaged needle plate as this can cause needle to break.
13. Do not use bent needles.
14. Do not pull or push fabric while stitching. It may deflect the needle causing it to break.
15. Switch the sewing machine off ("O") when making any adjustments in the needle area, such as threading needle, changing needle, threading bobbin, or changing presser foot, etc.
16. 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.
17. Attention the following to avoid injury:
  - switch off or unplug the appliance when leaving it unattended;
  - unplug the appliance before carrying out maintenance.

**CAUTION**-- Moving parts--To reduce risk of injury, switch off before servicing. Close cover before operating machine.

## SAVE THESE INSTRUCTIONS

This product is for household use, or equivalent.

**This appliance complies with EMC Directive 2014/30/EU covering the electromagnetic compatibility.**



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.

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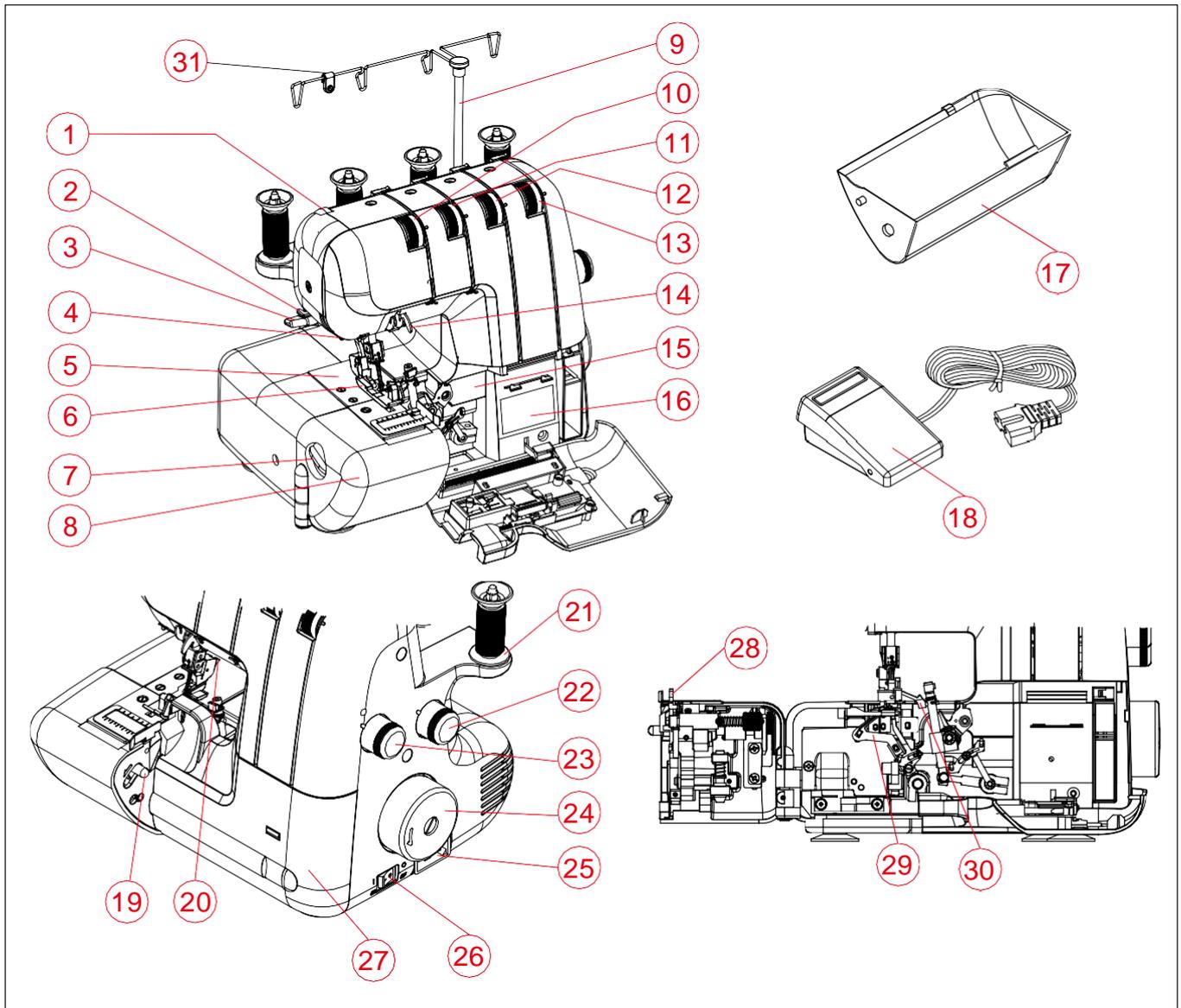
## 4. CHECKING PERFORMANCE PROBLEMS ..... 27

### SPECIFICATION OF MACHINE

MODEL	ELASTICA II
Number of threads	2, 3 or 4 threads
Overedge stitch width (Max.)	7mm(left needle)
Needle	HA1×SP, HA x1(130/705H)
Stitch length	1-5mm
Stitching speed	Up to 1100 stitches per minute
Dimensions	320 mm(W) ×280mm(D)×320mm(H)
Weight	9Kgs

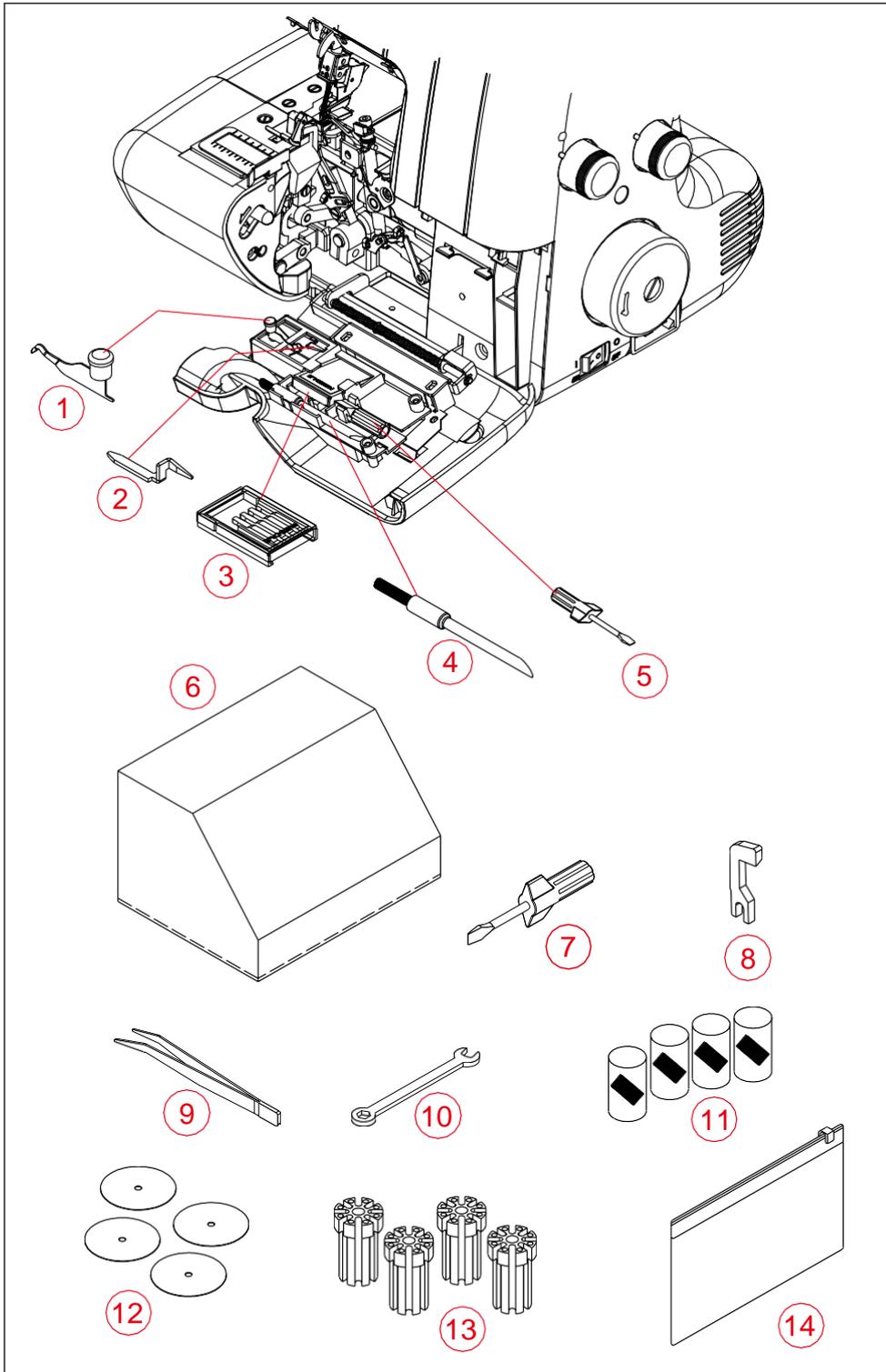
# 1. KNOWING YOUR MACHINE

## IDENTIFICATION CHART



- |   |                                    |
|---|------------------------------------|
| 1. Foot pressure regulator              | 16. Threading chart                |
| 2. Thread cutter                        | 17. Lint tray                      |
| 3. Presser foot lever                   | 18. Foot control                   |
| 4. LED lamp                             | 19. Release lever                  |
| 5. Needle plate                         | 20. Foot release lever             |
| 6. Presser foot                         | 21. Spool disc                     |
| 7. Overedge cutting width dial          | 22. Differential feed control dial |
| 8. Working table                        | 23. Stitch length dial             |
| 9. Thread guide pole                    | 24. Hand wheel                     |
| 10. Left needle thread tension control  | 25. Plug connector socket          |
| 11. Right needle thread tension control | 26. Light and power switch         |
| 12. Upper Loper thread tension control  | 27. Front cover                    |
| 13. Lower looper thread tension control | 28. Moving cutter                  |
| 14. Needle thread guides                | 29. Lower looper                   |
| 15. Two thread convertor instruction    | 30. Upper looper                   |
|   | 31. Cord guide                     |

## ACCESSORIES



1. Two-thread convertor
2. Stitch finger (B)
3. Needle set(option)
4. Brush(option)
5. Screwdriver (small)
6. Machine cover
7. Screwdriver (large)
8. Moving cutter
9. Tweezers
10. Spanner
11. Thread net
12. Spool disc
13. Spool holder
14. Accessory bag

## SETTING UP YOUR MACHINE

1. Wipe off excess oil in the needle plate and bed areas.

### 2. FOOT CONTROL

Push foot control plug into connector socket, and connect the power line plug into power supply outlet.

### 3. POWER/LIGHT SWITCH

Your machine will not operate unless the power/light switch is turned on. This same switch controls both machine power and sewing light.

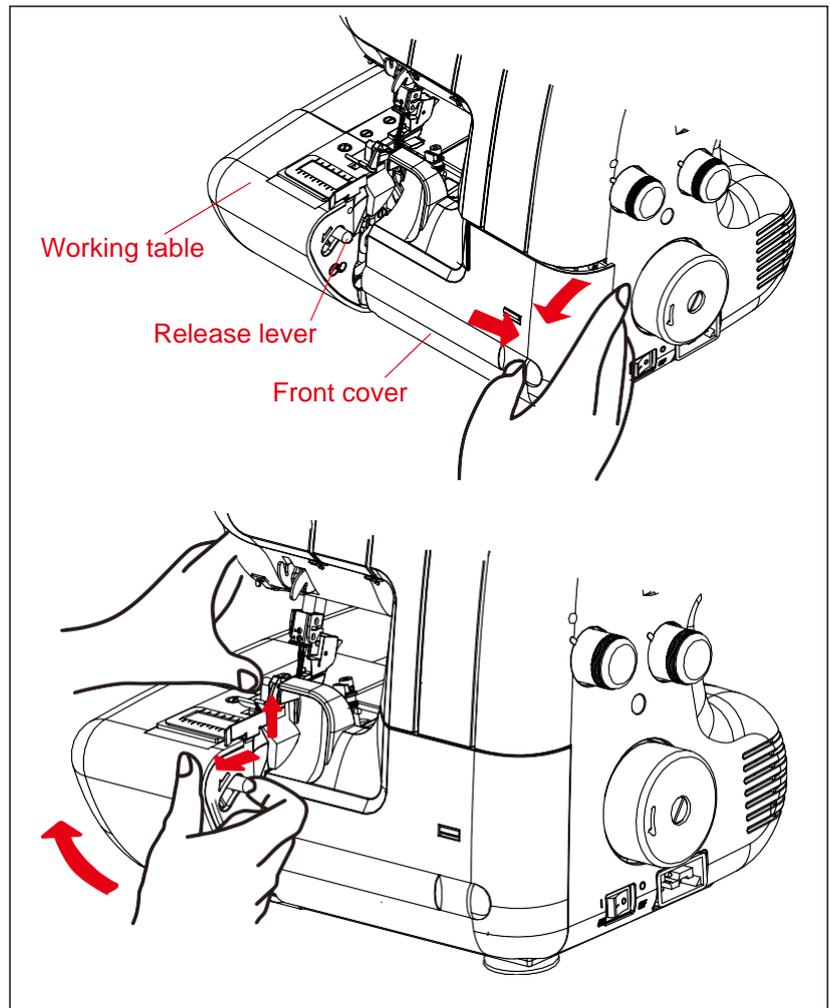
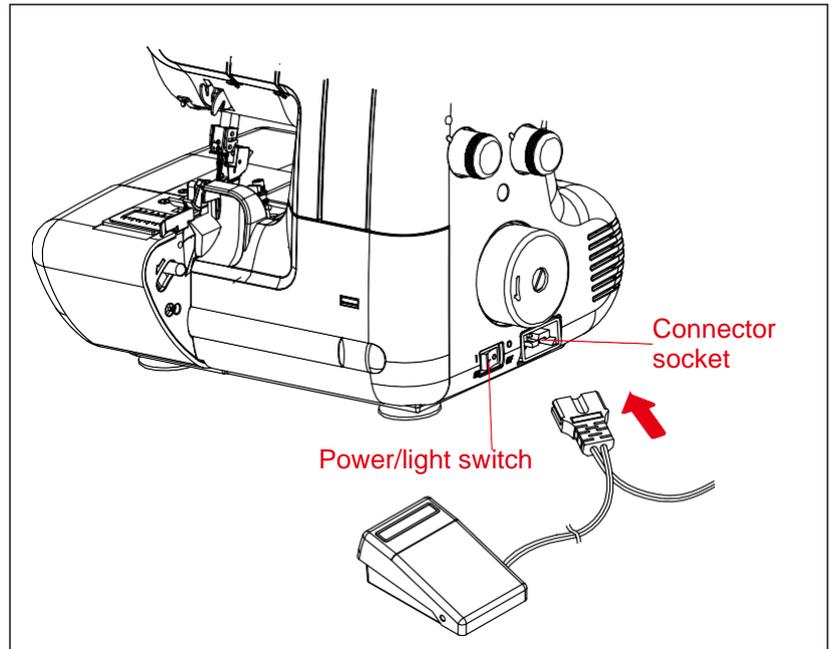
When leaving the machine unattended, or servicing the machine, remove the power line plug from supply outlet.

### 4. OPENING FRONT COVER

To open front cover, pull it to the right and down towards you.

### 5. OPENING WORKING TABLE

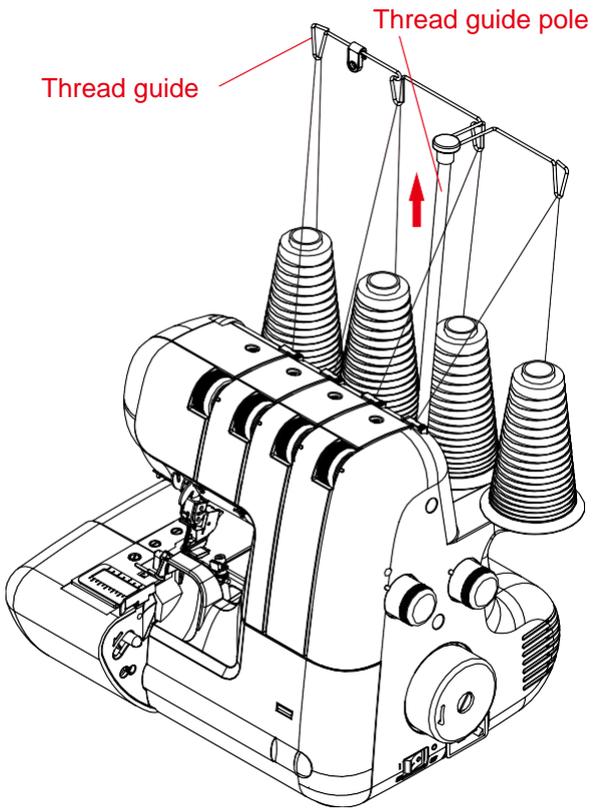
To open working table, pull the release lever towards you with your right hand, and lift the front of presser foot up with your left hand.



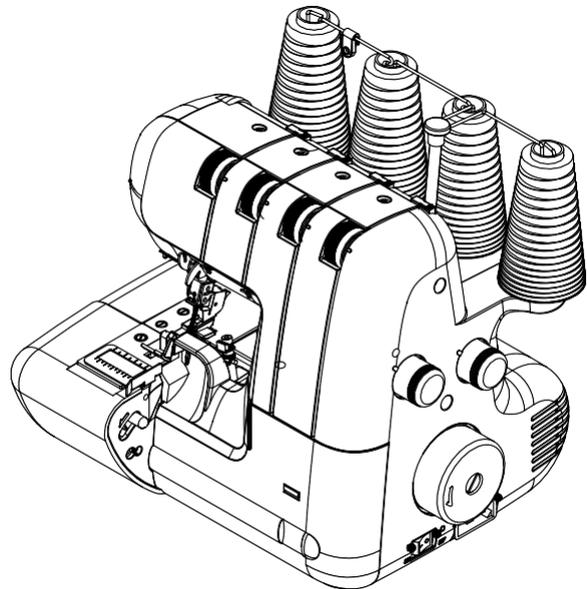
## PREPARATION FOR THREADING

### THREAD GUIDE POLE

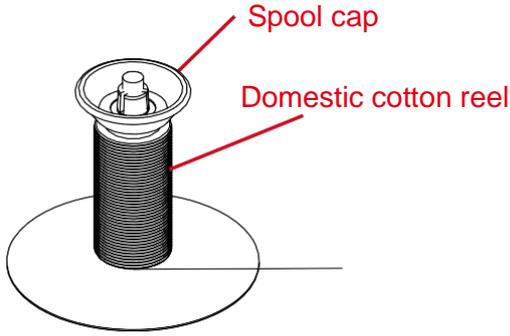
Pull up thread guide pole to the highest point until you hear it click.  
Place thread spools on pins and draw thread through thread guides on the pole from rear to front.



Thread guide of pole can hold thread spools on the spool stand by pulling down the pole as illustrated.

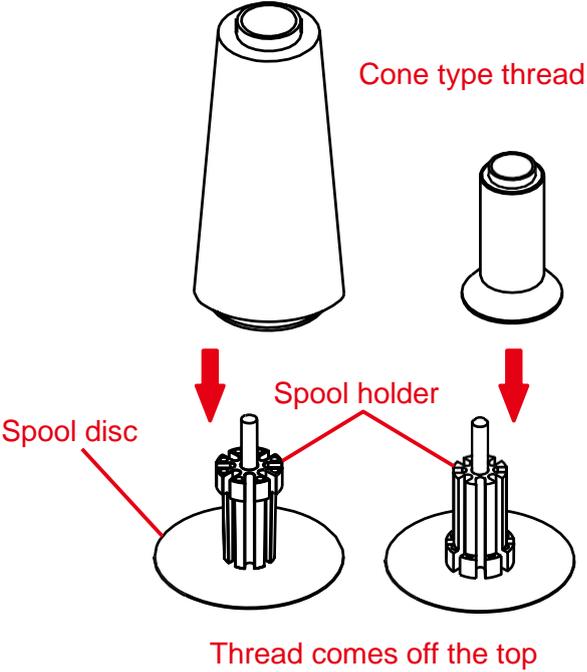


**SPOOL CAPS FOR DOMESTIC TYPE SPOOLS**



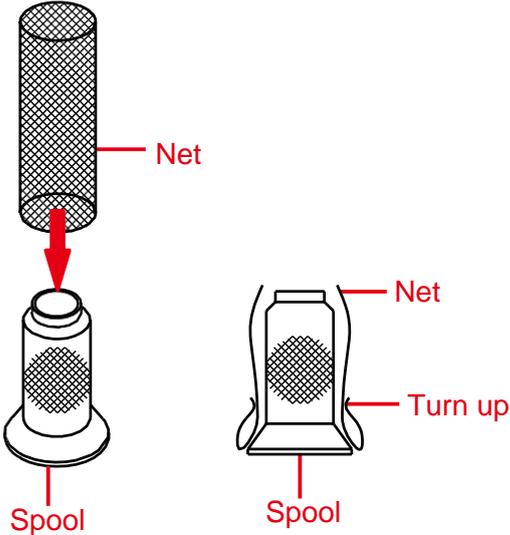
**SPOOL DISC AND SPOOL HOLDERS FOR CONE SPOOLS**

For large cone spools use the rubber spool holders with the wide end at the top, and for small ones, use the same rubber spool holders but with the narrow end at the top.



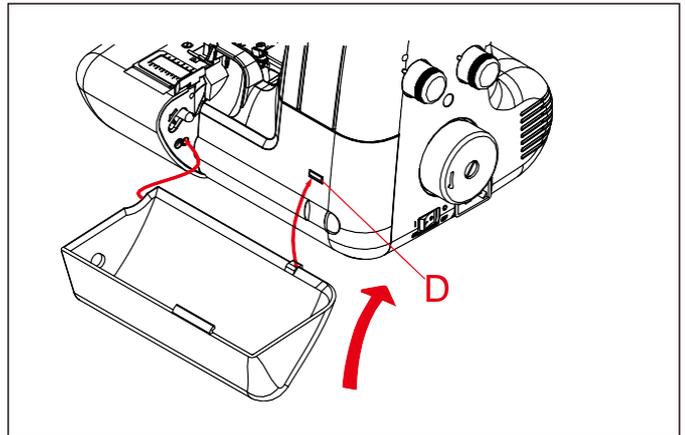
**SPOOL NETS**

Polyester or bulky nylon threads become loose while unwinding. To keep consistent feeding of such threads, utilize spool net sleeving over the spool.



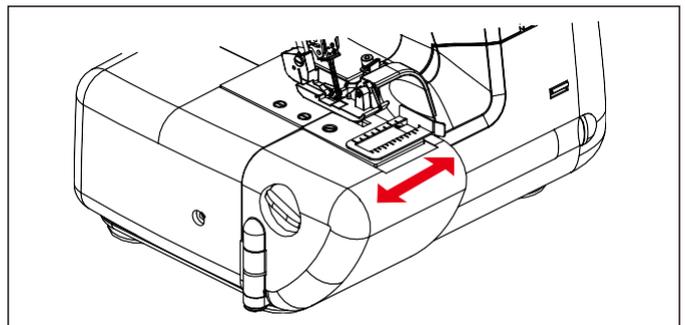
## LINT TRAY

With the lint tray located in this position it will collect all your waste materials.  
After completion of work, remove the lint tray.



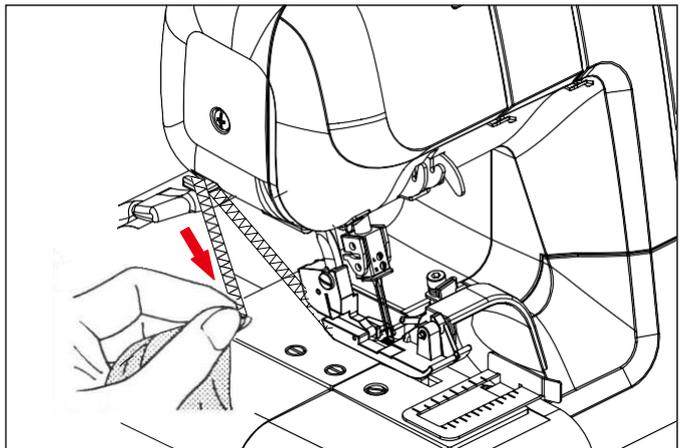
## CUTTING WIDTH GAUGE

When using cutting width gauge, the fabric is cut down and sewn at same distance from the edge of fabric.  
Within the distance of the width adjusted.



## THREAD CUTTER

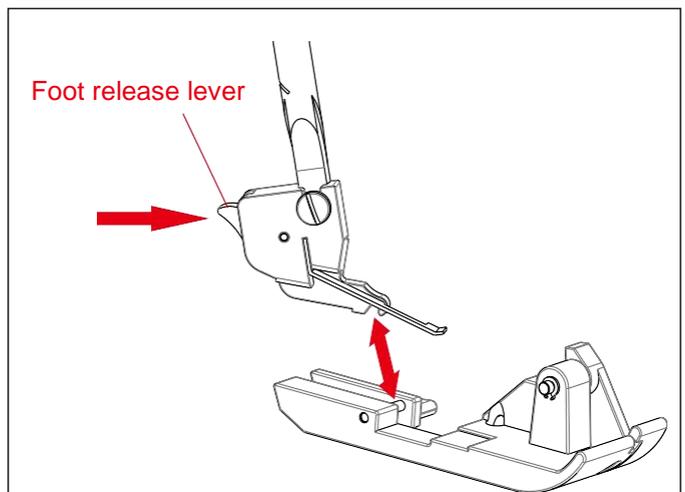
Thread cutter is built in face cover. Draw materials to the rear and cut off excess thread with the thread cutter located on the bottom of face cover as shown.



## CHANGING PRESSER FEET

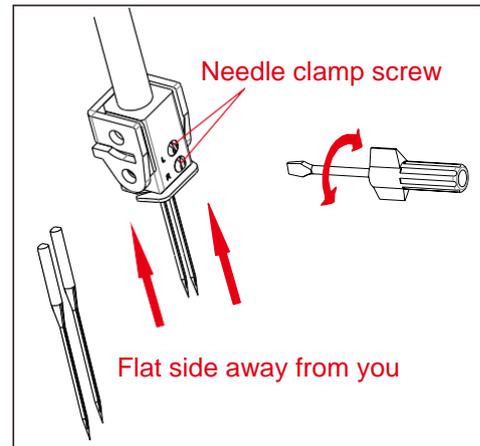
Be sure needle is in the up position.  
Raise presser foot lever.

1. Push foot release lever to remove the foot.
2. Place the desired foot on the needle plate aligning needle holes.
3. Lower the presser foot lever and push foot release lever so that the foot holder snaps on the foot.



## CHANGING NEEDLE

Raise needle bar to its highest point by turning hand wheel towards you, but leave presser foot down. Loosen needle clamp screw to remove the needle, and place new needle with Flat Side Away From you, into the needle bar as far as it will go, and tighten screw.



## NEEDLE, THREAD AND FABRIC CHART

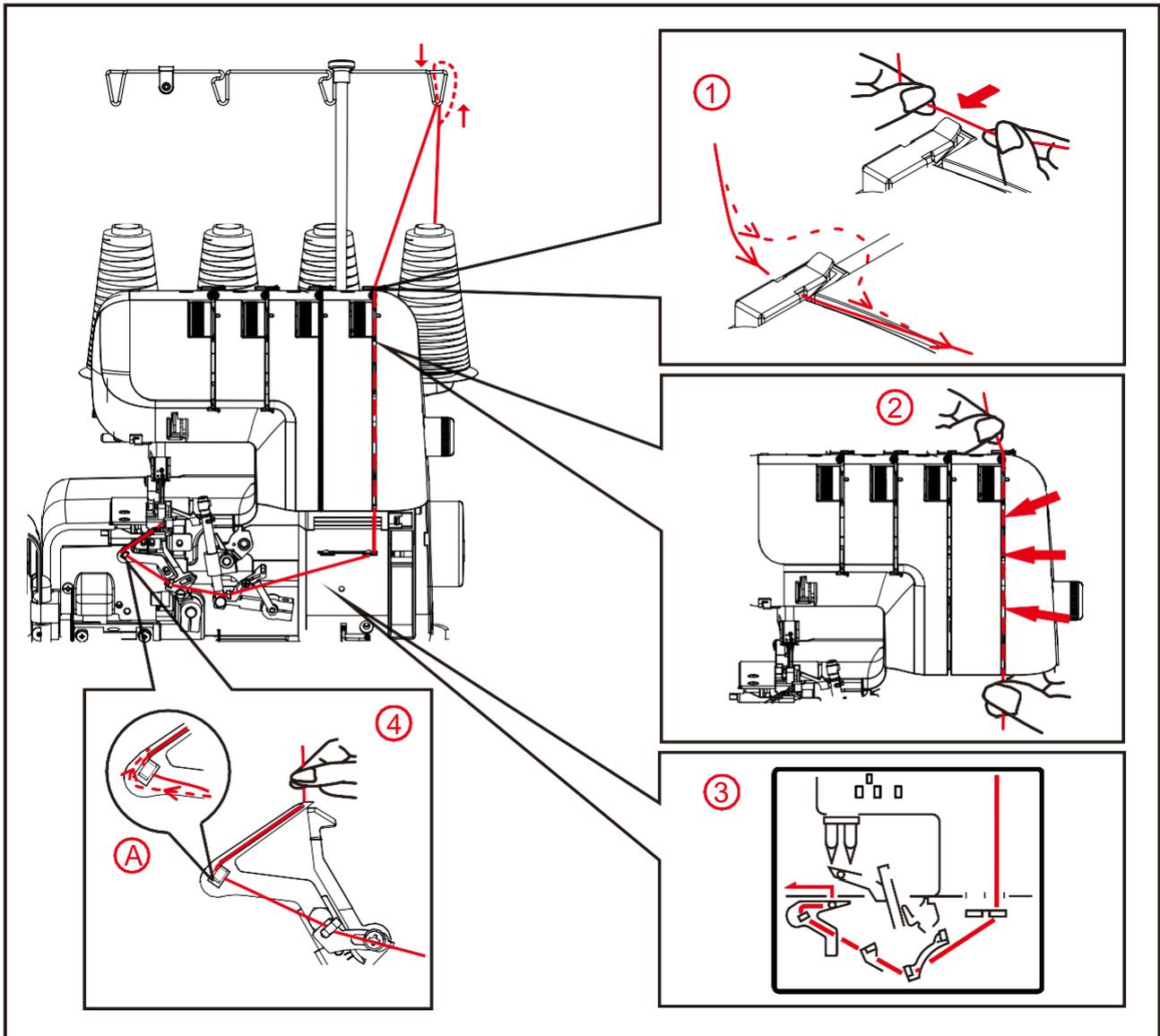
Use HA x1 SP, HA x1 (130/705H) Needles.

FABRIC		THREAD	NEEDLE
COTTON LINEN	Light weight: Organdy, Lawn, Gingham	Cotton No.100	90(14) for general sewing  75(11) for light weight fabrics
	Heavy weight: Oxford, Denim, Cotton Gabardine	Polyester No.60-50 Cotton No.60	
WOOL	Light weight: Tropical, Wool, Poplin	Polyester No.80 Cotton No.60	
	Serge, Gabardine, Flannel	Polyester No.80-60 Cotton No.60	
	Heavy weight: Velours, Camelhair, Astrakhan	Polyester No.60-50 Cotton No.60	
SYNTHETIC FIBRE	Light weight: Georgette Crape, Voile, Satin	Polyester No.100-80 Cotton No.120-80	
	Heavy weight: Taffeta, Twills, Denim	Polyester No.60 Cotton No.60	
KNIT	Tricot	Polyester No.80-60 CottonNo.80-60	
	Jersey	Polyester No.60-50 Cotton No.60	
	Wool	Polyester No.60-50 Bulk Nylon	

\* Synthetic threads are recommended for ordinary overlocking. Polyester thread, for example, is very useful for different types of fabric.

**NOTE:** Keep in mind that the lower and upper loopers will use about twice the amount of thread as the needles. When purchasing thread for sewing, therefore, especially if it is an unusual colour, you should buy sufficient for your requirements.

## 2. STARTING TO SEW



### THREADING YOUR MACHINE

Wrong threading may cause skipped stitches, breaking threads, or other problems.

Try to master the correct threading before moving on to test sewing.

Threading must be carried out in the sequence of Lower Loper – Upper Loper – Needle.

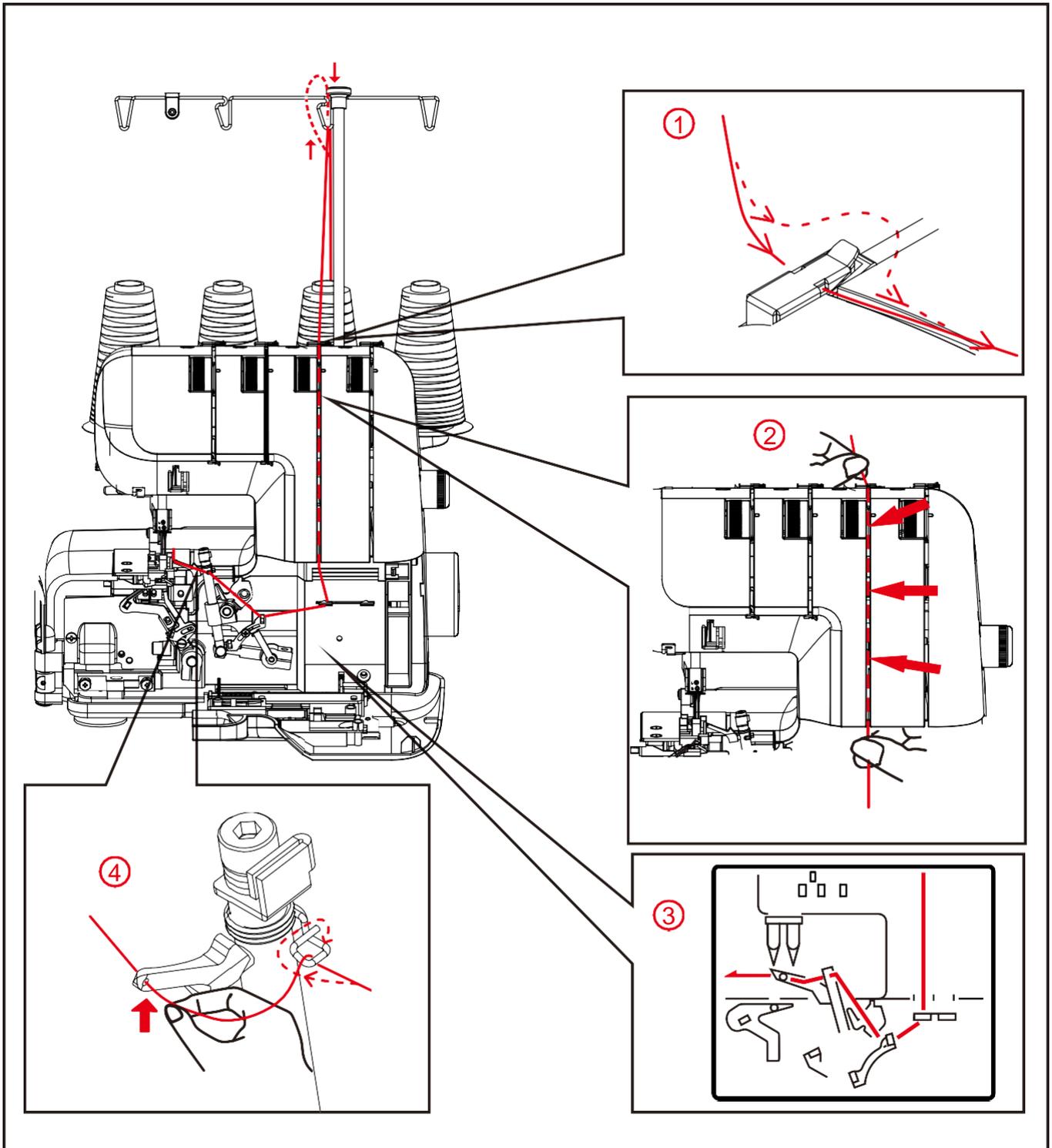
Open the front cover and the working table. Raise the needle to its highest point by turning the hand wheel towards you, and raise the presser foot.

Before re-threading the lower looper, remove the thread from the needle eye first, then re-thread the lower looper. This will prevent tangling.

### STEP 1

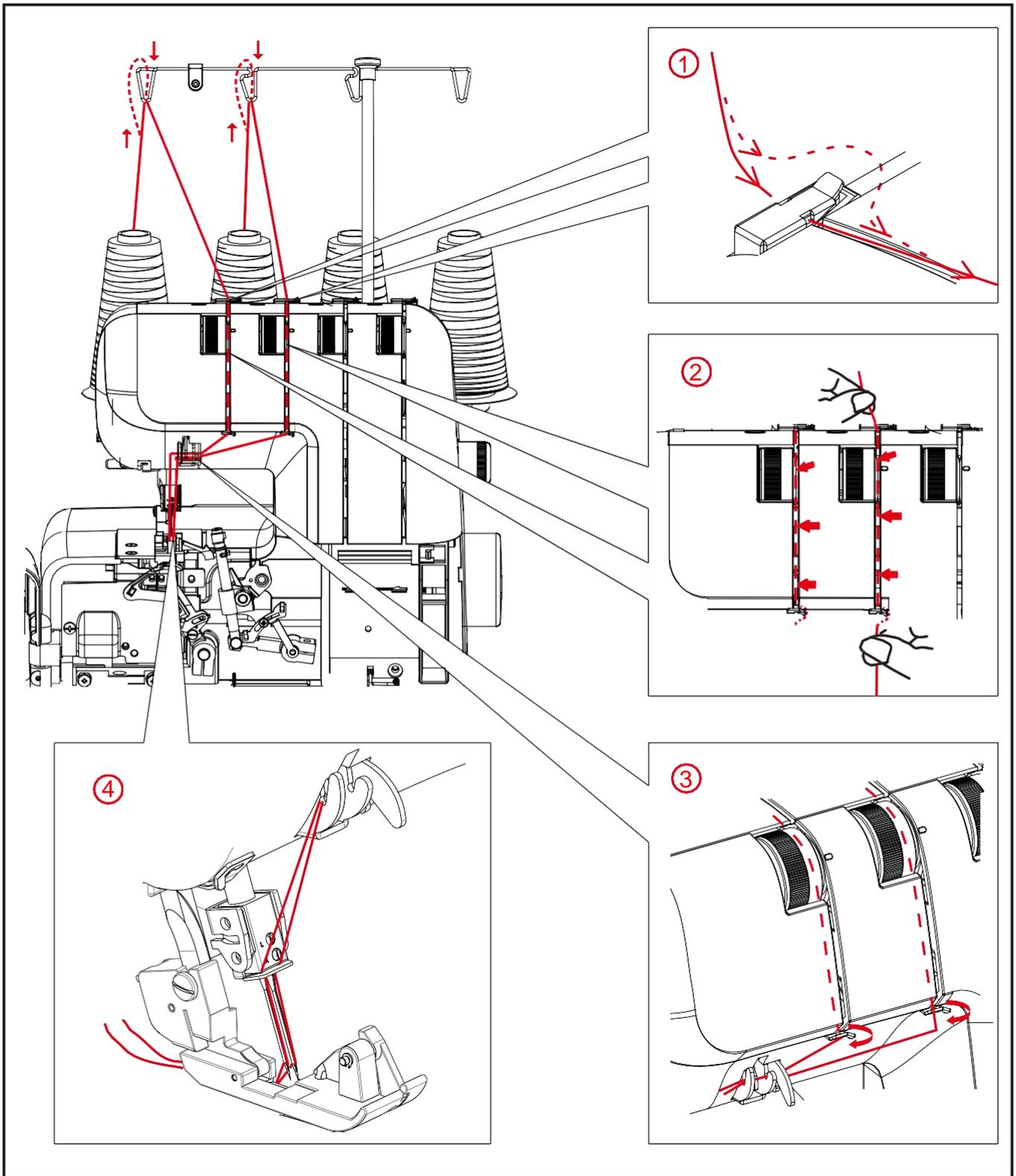
#### THREADING LOWER LOOPER

1. Feed the thread through the threadguide as illustrated.
2. Pull the lower thread through the tension slot. Holding the thread with your left hand, pull down with your right hand firmly.
3. Draw the thread through the thread guide as illustrated.
4. Pass the thread through the lower looper eye, and hook it around part A as indicated by the arrow. Leave about 4" (10cm) extra thread.



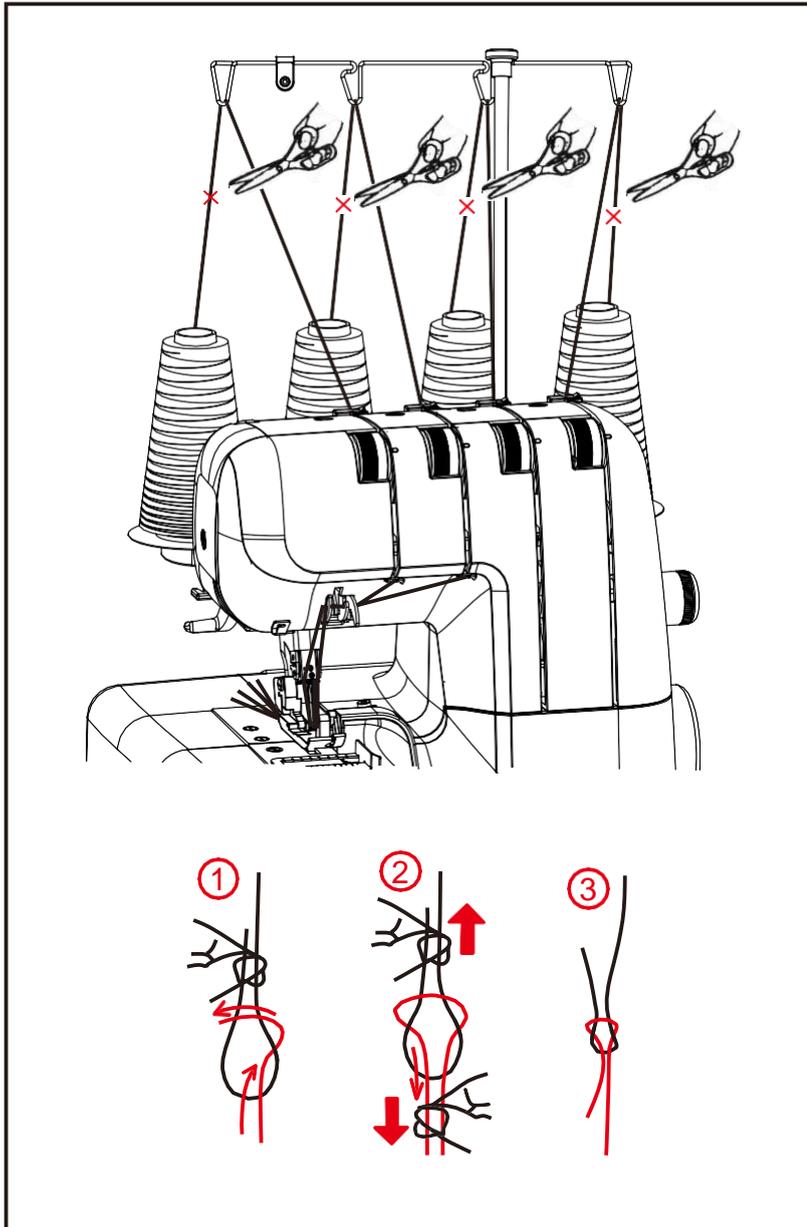
**STEP 2**  
**THREADING UPPER LOOPER**

1. Feed the thread through the thread guide as illustrated.
2. Pull the upper thread through the slot, holding the thread with your left hand.
3. Draw the thread through the thread guide as illustrated.
4. Pass the thread through wire thread guide and looper eye, leaving an excess length of about 4" (10 cm).



### STEP 3and4 THREADING NEEDLES

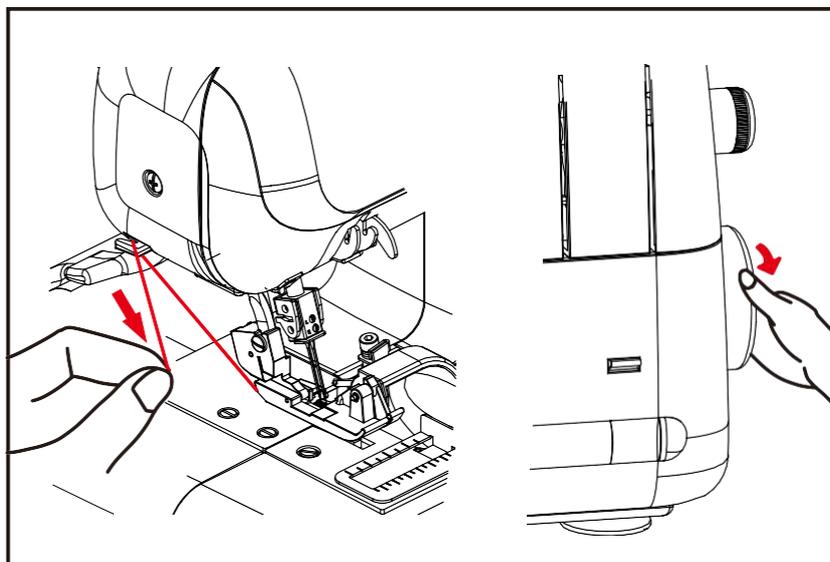
1. Feed the thread through the thread guide as illustrated.
2. Draw the needle threads through left-hand tension slot. Holding the thread with your left hand, pull down with right hand firmly.
3. Draw the thread through the thread guide as illustrated.
4. Thread the needles from front to back through needle eye and pull the threads towards the back passing along the right side of presser foot, leaving an extra length of about 4"(10cm).



## HELPFUL HINTS REPLACING THREAD SPOOLS

When replacing thread spools, the following steps may be helpful for quick changeover.

1. Cut off existing threads near the spools. Tie the cut ends thread from new spools as illustrated (seamen's knot).
2. Raise presser foot.
3. Lower needle bar to its lowest position by turning hand wheel away from you. Carefully pull the existing threads until the connecting knots pass through needle eye and looper eyes.



## CUTTING NEEDLE THREAD

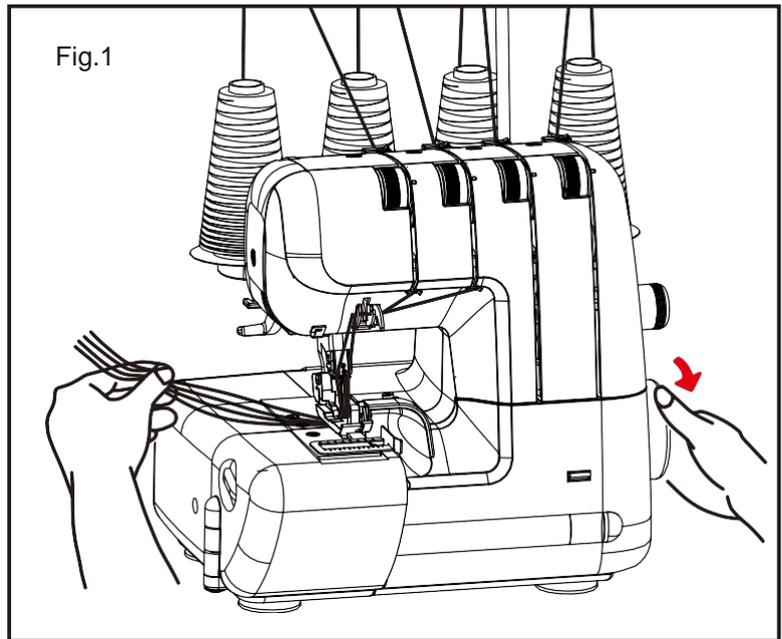
Frayed thread may make needle threading difficult.

Draw the thread passing under the thread cutter and turn hand wheel towards you to obtain clear cut end as illustrated.

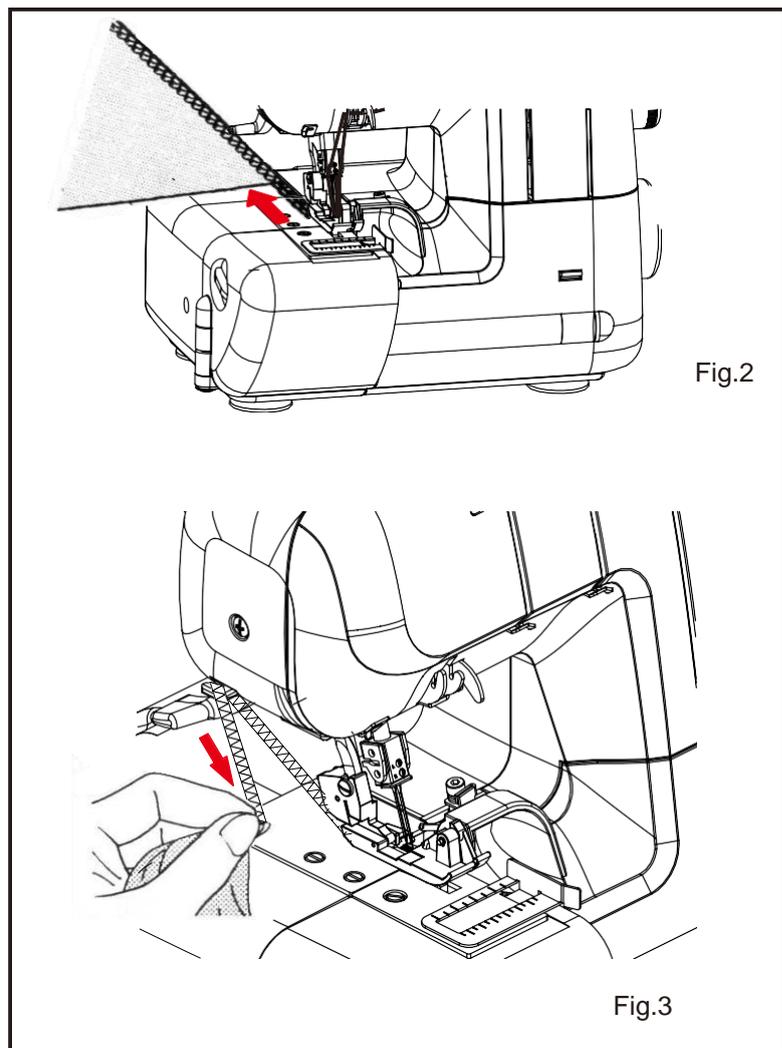
## TESTING STITCH OVERLOCK STITCHES

After threading is completed, use a scrap of fabric that you plan to sew and test to sew in the following order.

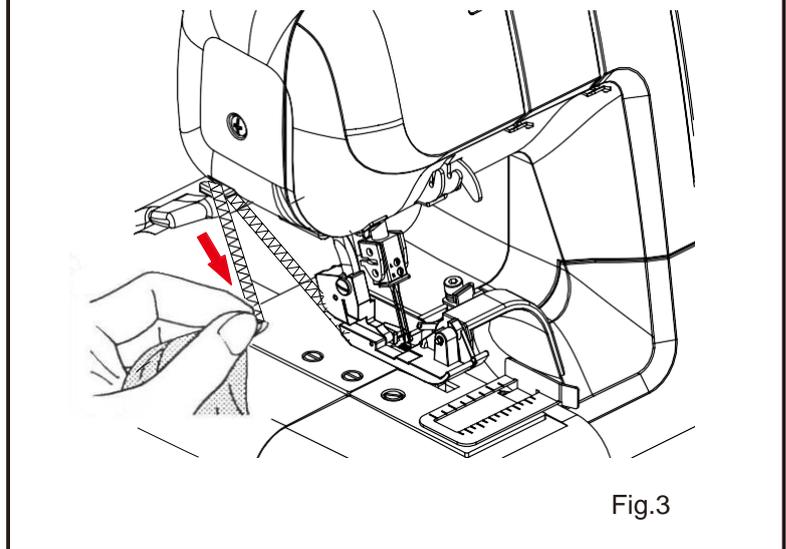
1. Gently pulling all the threads to the left, lower the presser foot. Rotate the hand wheel towards you a few times to see if the lock stitches are properly formed.



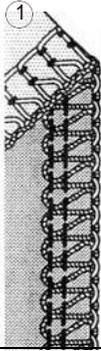
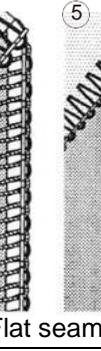
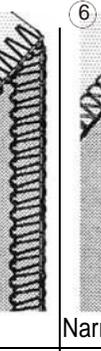
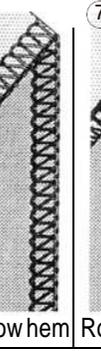
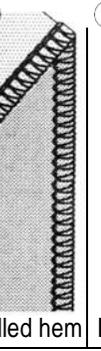
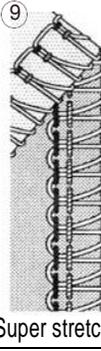
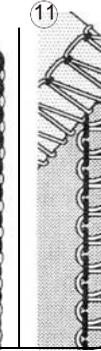
2. Start the machine at low speed and feed in test fabric under the presser foot by slightly pushing it forward. (This can be done with the presser foot down on most fabrics except bulky materials.) Guide the fabric gently as machine automatically feeds the material.



3. Check thread tensions by test sewing on spare fabric. (See page 17.)
4. At fabric end, carry on running machine at low speed, gently pulling the fabric towards the back, until about 5 to 6 cm of extra lock stitches are produced without fabric.
5. Cut thread by thread cutter in face cover, or with scissors.



## SETTING CHART

Number of thread	4	3						3	2			
Overedge cutting width dial	-6-	6		4-	- 5-	4	4-6		6	-6-	4-6	
Needle to use	Left&Righ	Left	Right	Left	Right	Right			Left&Righ	Left	Right	
Stitch finger	0	0	0	0	0				0	0	0	
Two thread convertor									0	0	0	0
Left needle thread	-4-	-4-		0-					-4-	0-	-4-	
Tension control												
Right needle thread	-4-		-4-		0-	-4-	-4-	-4-	-4-			-5
Upper looper thread	-4-	-4-	-4-	-4	-4	-4-	-4-	-4-				
Lower looper thread	-4-	-4-	-4-	7-	7-	0-	-4-	-4-	0-	-4-	0-	1-
Stitch length control	2.5-3.5	2.5-3.5		3-5		2-2.5	*-R-	*-P-	2.5-3.5	2.5-3.5	2-3.5	1-2
Ref. NO.	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫
												
				Flat seam		Narrow hem	Rolled hem	Picot stitch	Super stretch			Rolled hem
Reference page	17			23		16			15	15,17		15,16,23 1

\* If the stitch length control of your machine does not have R or P, please set the tension control of lower looper thread at 7-9 and stitch length dial at 1-2 (for roll hem) or 3-4 (for picot stitch).

**Note:** The above settings of tension and overedge cutting width dial are for general guidance. A little fine tuning will improve your stitching in many cases. Following advice helps you.

1. Turn overedge cutting width dial (See page 18)

2. Adjust needle tensions when you sew thin or thick material.

3. Reduce the tension when you use thick thread.

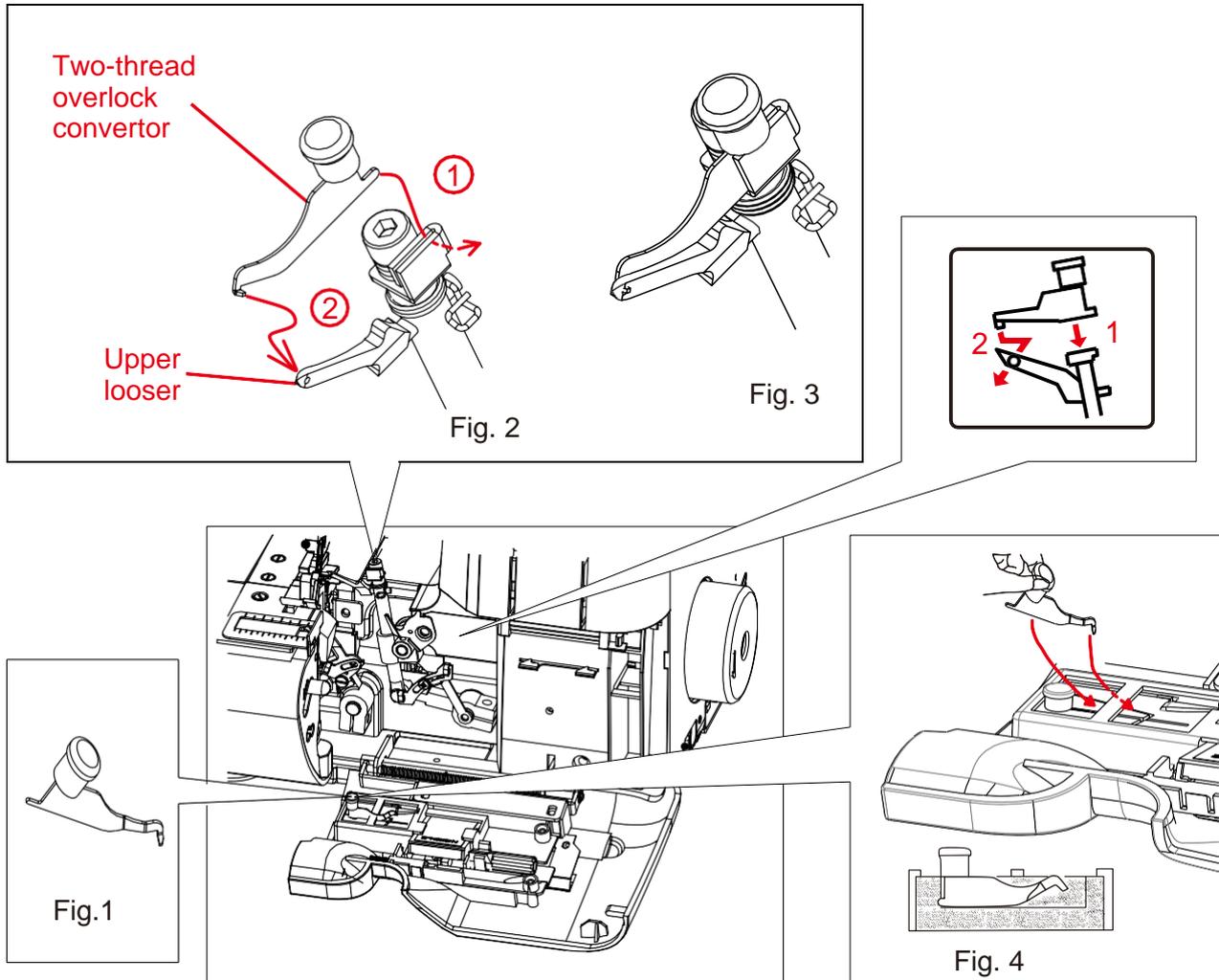
4. Incorrect tension setting causes stitch skipping. Adjust the tension setting.

5. Tension setting will have problem when needle setting is incorrect.

Try test-sewing with a piece of fabric you are going to use and find the best settings.

## THREE-THREAD OVERLOCK WITH ONE NEEDLE

By threading the LEFT needle only a width of 6 mm will be produced and by threading the RIGHT needle only a width of 3.8 mm will be produced.



## CONVERTING TO TWO-THREAD USE

To convert to two thread use, first open the front cover and working table and raise needle to its highest point by turning hand wheel towards you. Remove the right needle and use the left needle.

Please keep the unused needle on the needle pad.

Pull out the converter as shown in Fig.1.

Attach the two-thread converter onto the upper looper as shown in Fig. 2, Fig.3. When not using converter, insert it deep and keep as illustrated in Fig.4.

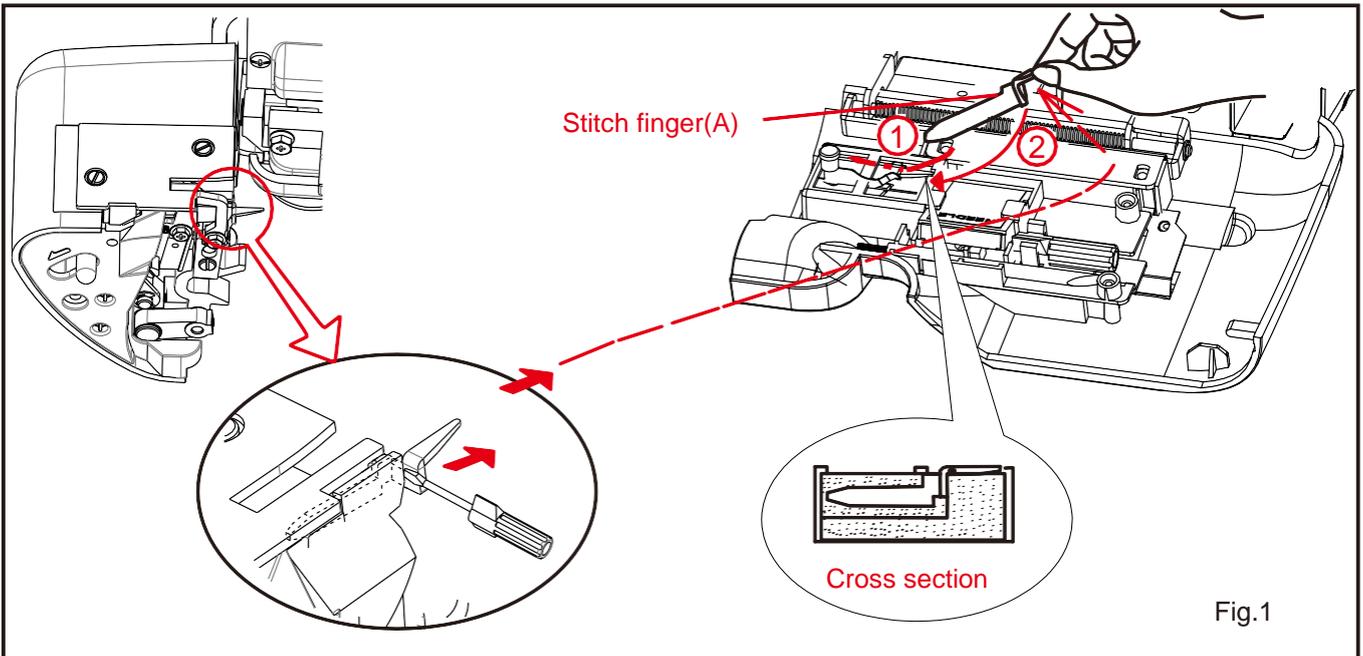
## NARROW AND ROLLED HEM, PICOT STITCH

Narrow and rolled edge is ideal for use on thin materials such as georgette crepe, crepe de chine, silk etc. Also, picot stitch can be produced particularly when sewing on fine 'scarflike' materials.

In view of the nature of these hems, they are unsuitable for use on 'hard' or 'heavy' materials.

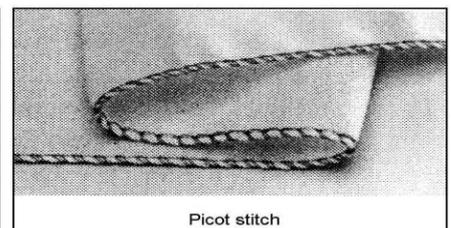
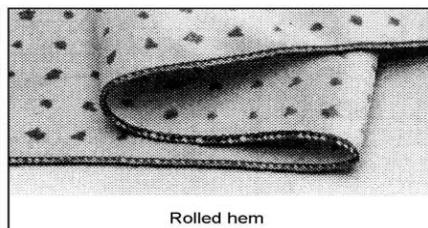
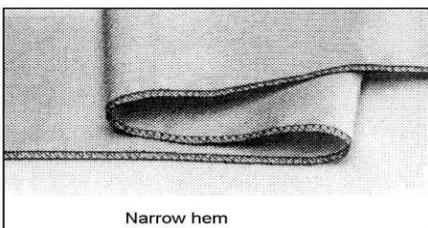
1. Raise the presser foot.
2. Open the front cover and working table.
3. Remove the stitch finger from the needle plate by screw driver and keep it in the front cover as illustrated (Model 320 only) or in the accessory bag.
4. Set the machine according to page 14.

**NOTE:** 1. Please use following recommended thread for making ideal seams.  
2. After finishing, reset the stitch finger in its place. Please ensure inserting it deep as illustrated in Fig 1.



### RECOMMENDED THREAD

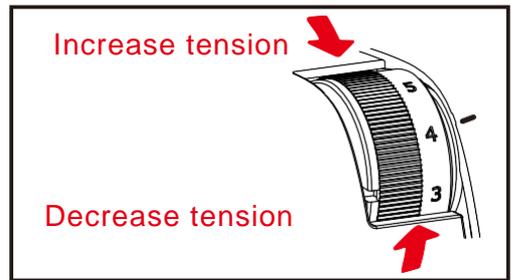
	Narrow overlock edge	Rolled edge	
	With Three Threads	With Three Threads	With Two Threads
Thread for needle	Polyester, Nylon, Silk No.50-100	Nylon No.100	
Upper looper	Polyester, Nylon, Silk No.50-100	-----	
Lower looper	Bulk nylon (less stretchable)	Bulk nylon (less stretchable)	



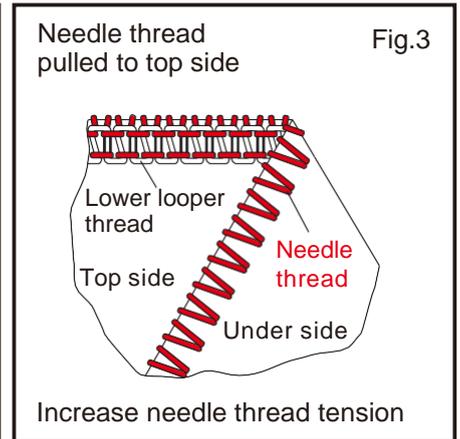
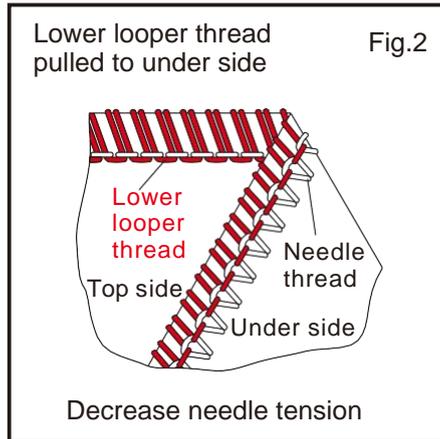
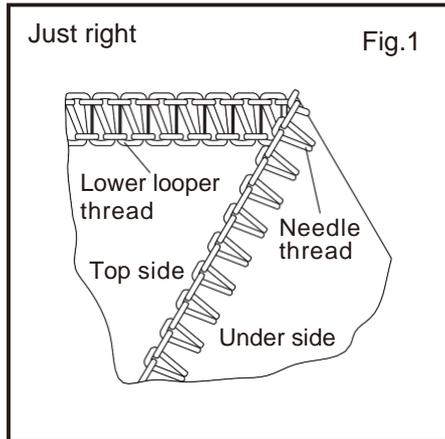
## ADJUSTING THREAD TENSIONS

Turning tension dial to a higher number gives a tighter thread tension. Turning tension dial to a lower number gives a looser thread tension. The higher the number, the tighter the tension.

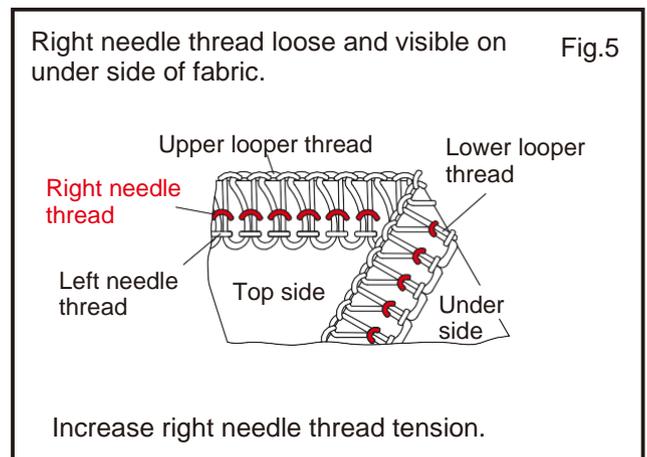
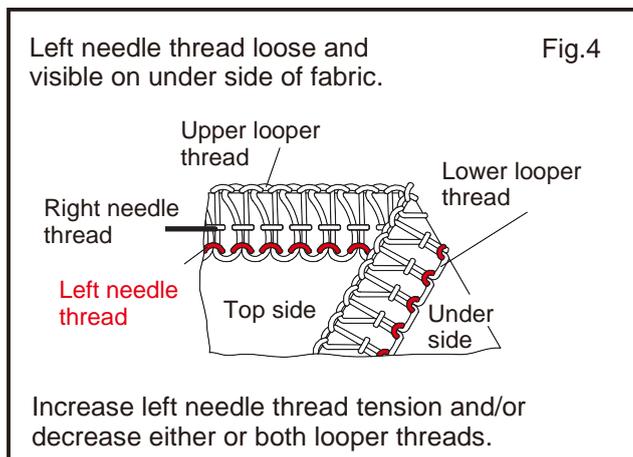
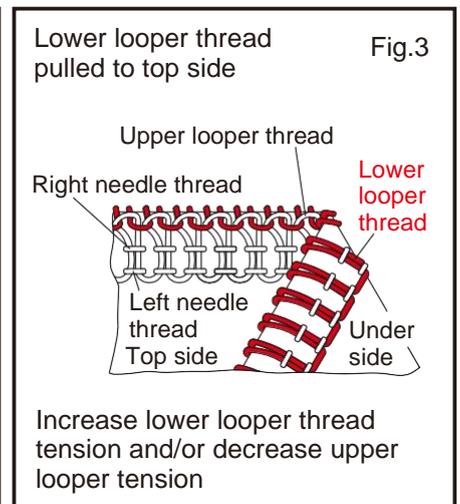
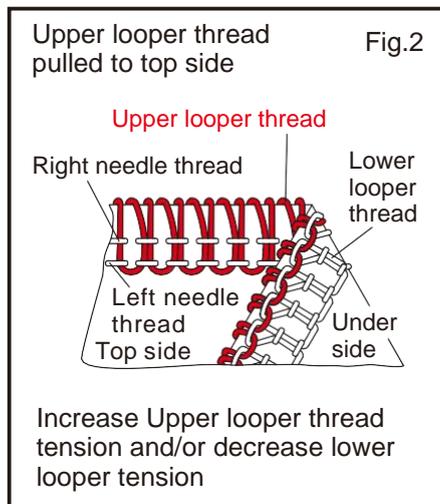
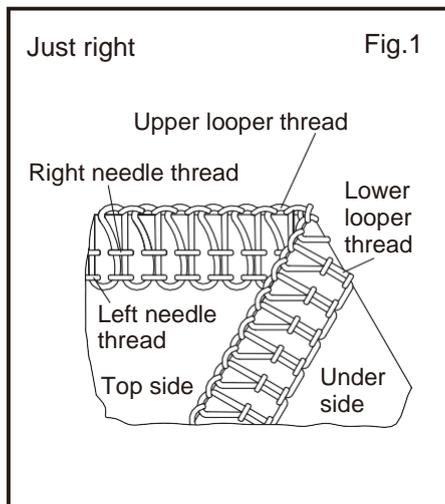
Test each thread tension on a scrap of the fabric you plan to use.



### TWO-THREAD USE



### FOUR-THREAD USE



## ADJUSTING STITCH LENGTH

Turn the stitch length dial until the required length is indicated.  
The higher the number, the longer the stitch.  
This dial can adjust the stitch length from 1 to 5 mm.

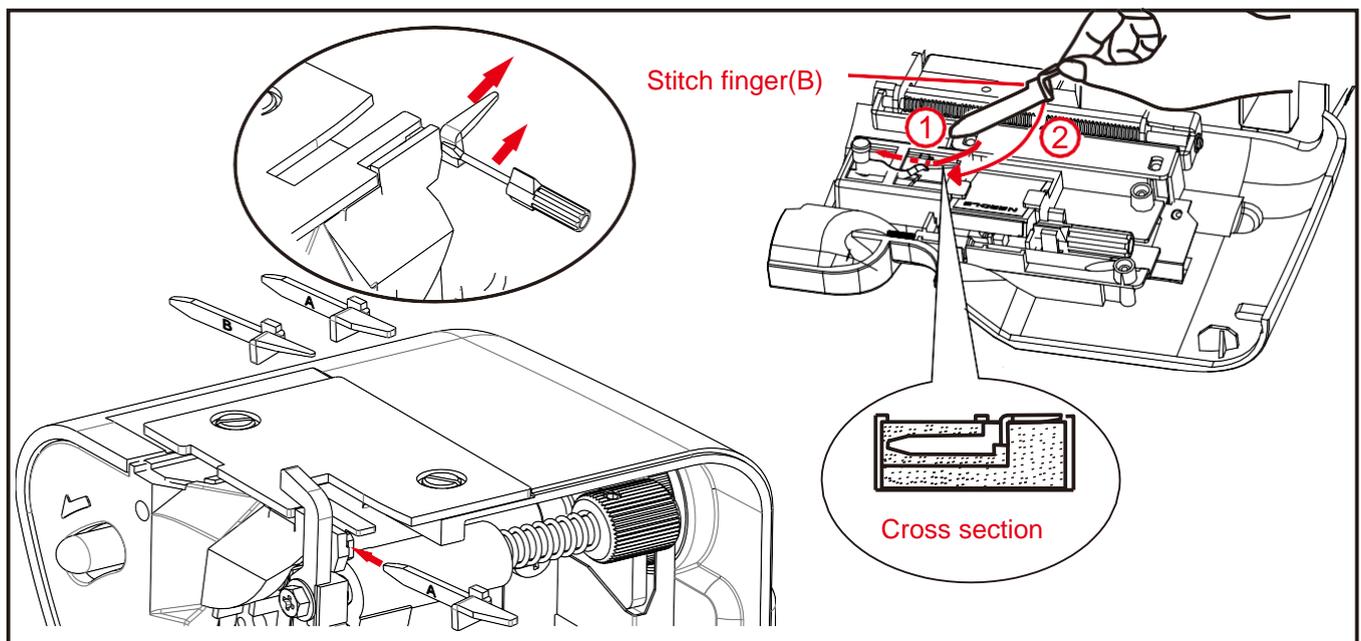
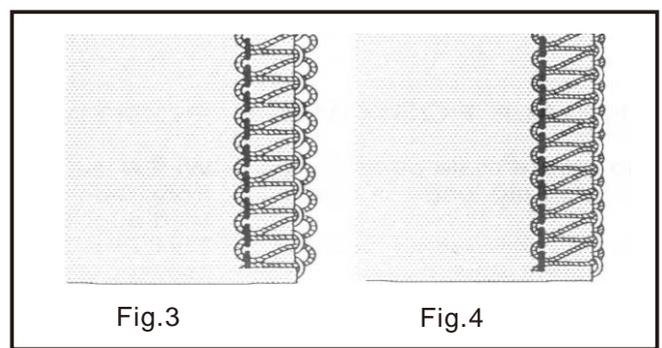
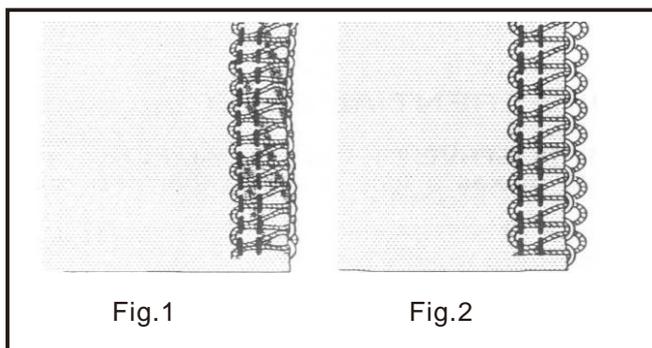
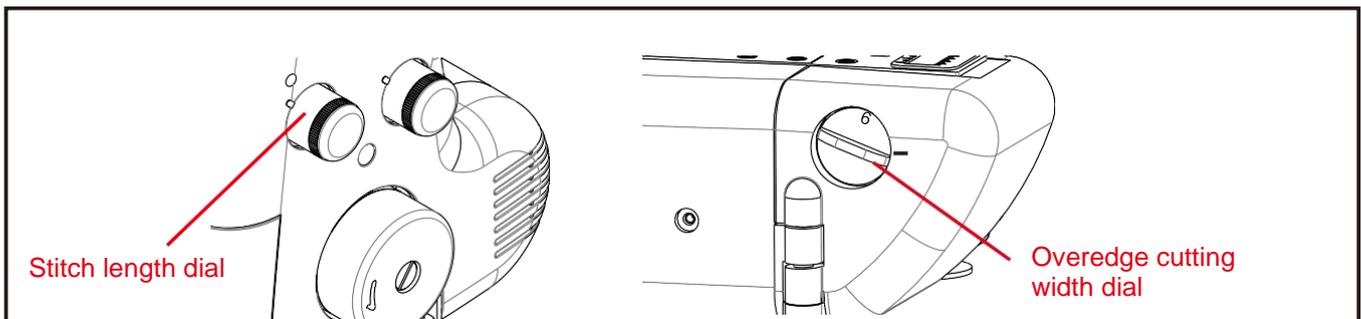
## ADJUSTING OVEREDGE CUTTING WIDTH

Overedge cutting width can be adjusted from 4 to 7 mm by simply turning overedge cutting width dial according to the kind of fabric.

**It is set at standard width of 6 mm** when delivered from the factory.

Turn it towards "5" if fabric edge curls while sewing.( Fig.1)

Turn it toward "7" if loops hang off the edge. (Fig.2)

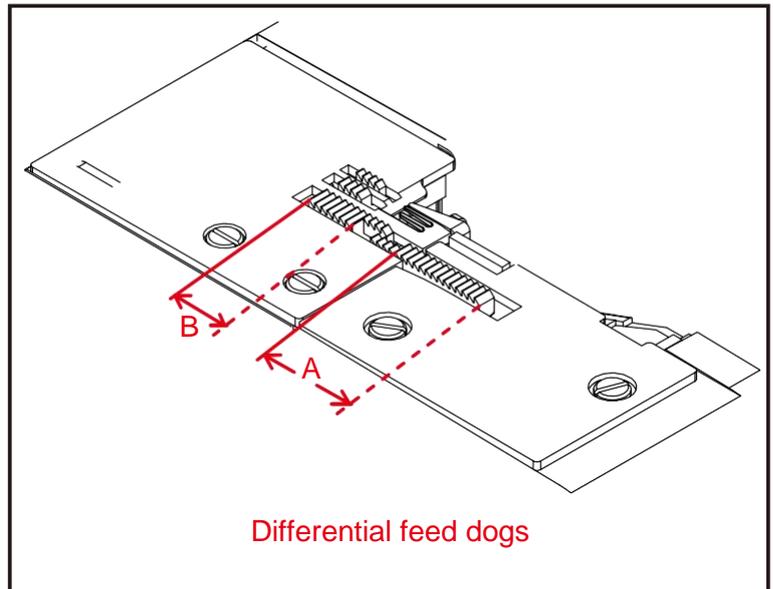


### Stitch finger (B)

Loops may hang off the edge, when you sew with lightweight fabric using 3 threads (right needle only), and setting cutting width dial at 4-5(Fig.3). In such a case change the stitch finger(A) to (B) to get neat stitching(Fig.4)

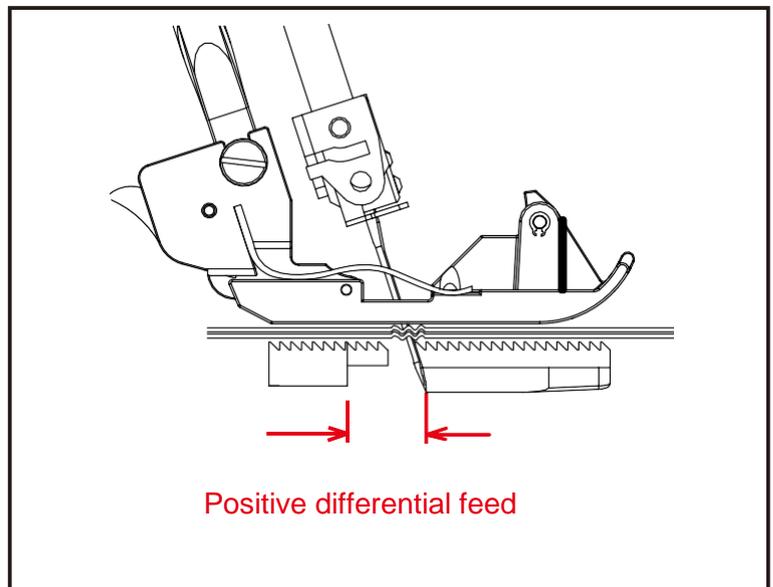
## DIFFERENTIAL FEED

The differential feed has two independent feed dogs, one front (A) and one rear (B). Each feed dog has an individual feed mechanism which enables the feeding of material at a different ratio.



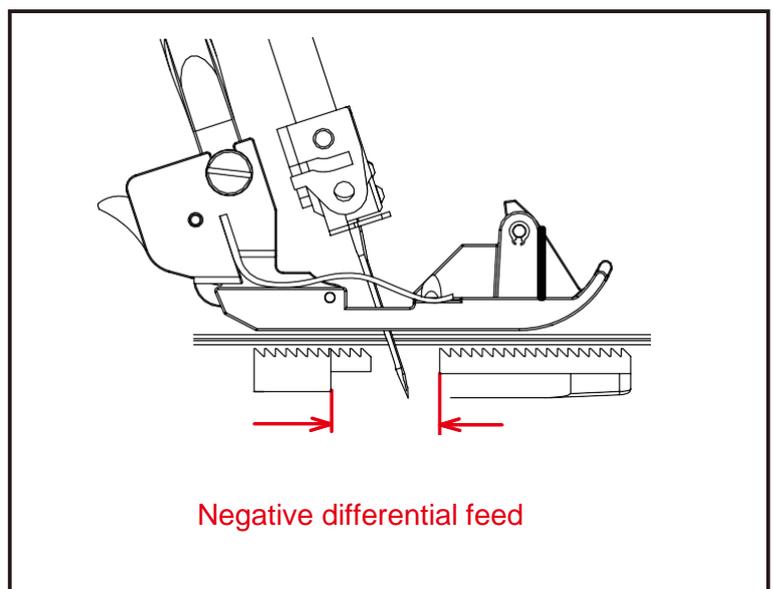
## POSITIVE DIFFERENTIAL FEED

When set for positive differential Feed, the front feed dog (A) makes a longer stroke than the rear feed dog (B). This has the effect of accumulating material under the presser foot to offset the wavering on the fabric.



## NEGATIVE DIFFERENTIAL FEED

When set for negative differential Feed, the front feed dog (A) makes a shorter stroke than the rear feed dog (B). This has the effect of stretching material under the presser foot to offset the puckering on the fabric.



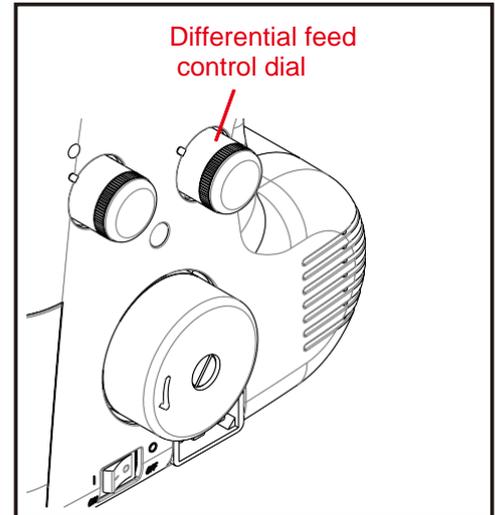
## SETTING DIFFERENTIAL FEED

Set by simply turning the differential feed control dial in the direction desired referring to the chart below.

The adjustment can be made between 0.7 (negative effect) and 2 (Positive effect). These settings give the best ratio of feeding. For normal sewing, the dial should be set at 1.

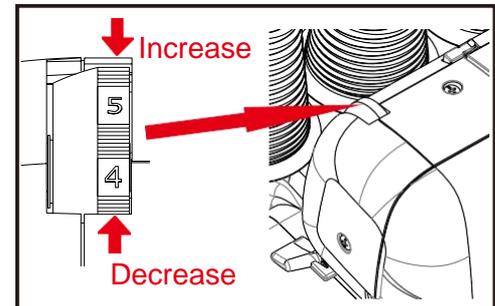
The dial can be reset even while sewing.

EFFECT AND APPLICATION	TYPE OF FEEDING	SETTING	FEED RATIO REAR: FRONT
Waver-free seams, Gathering	Positive differential feed	1-2	-----
No differential feed	Neutral feed	1	-----
Pucker-free seams	Negative differential feed	0.7-1	-----



## FOOT PRESSURE REGULATOR

Presser foot pressure has been correctly set at the factory, so you do not need to adjust it for most of ordinary sewing. If adjustment is necessary, turn the foot pressure regulator to higher number to increase or to lower number to decrease pressure.

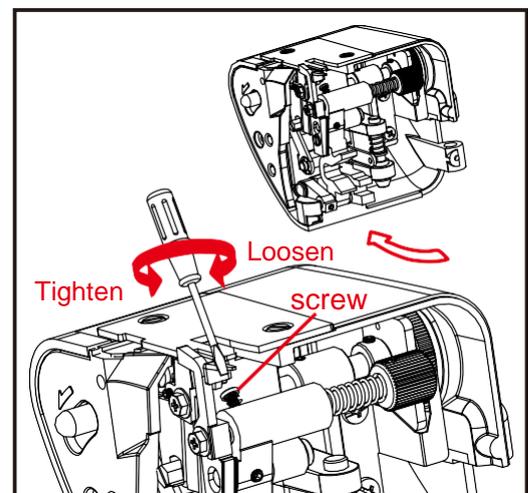


## SEWING WITH EXTRA HEAVYWEIGHT FABRIC OR MULTIPLE LAYERS OF FABRIC

A wide range of fabric can be overlaid on this machine, but it is recommended to tighten screw as illustrated, when sewing with extra heavyweight fabrics or multiple layers of fabric. Open working table for adjustment.

Loosen the screw when sewing with light to normal weight fabric or turning overedge cutting width dial, or otherwise fabric may not be well cut.

The machine is set for normal weight fabrics from the factory.

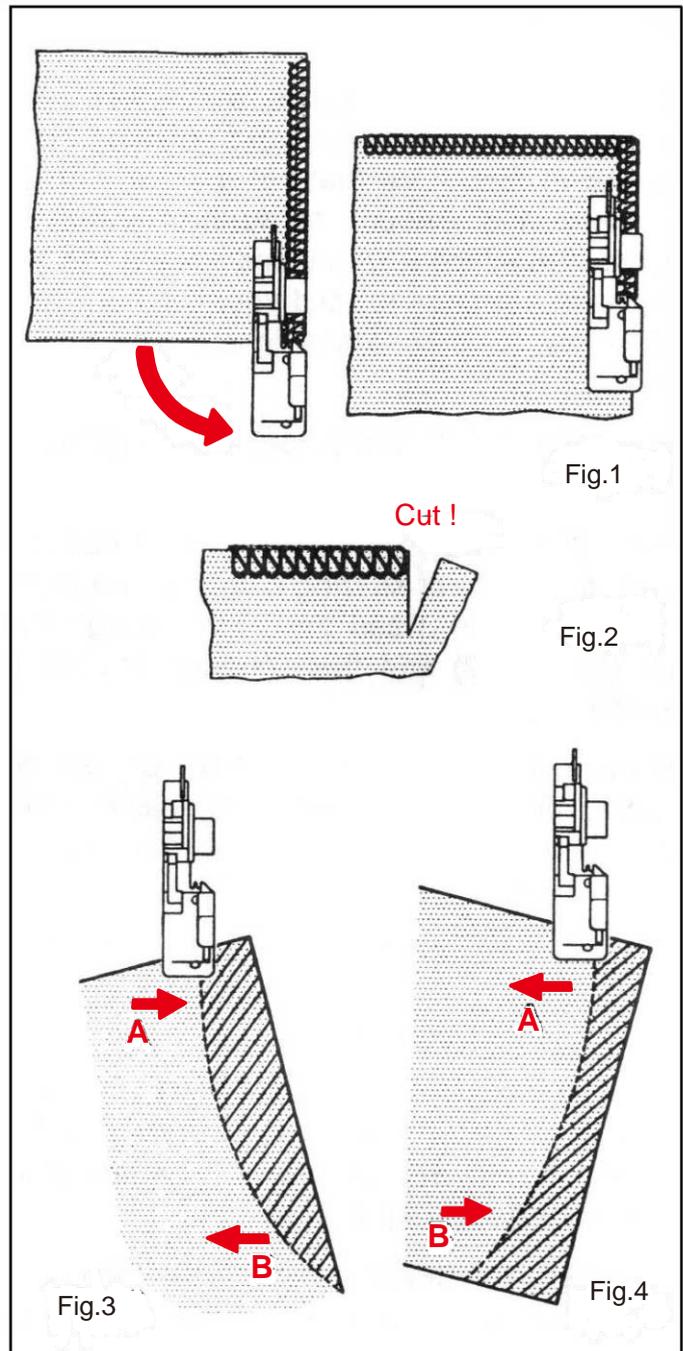


## BASIC TECHNIQUES

### TURNING OUTSIDE CORNERS WITHOUT CUTTING THREADS

1. When you reach the fabric edge, stop stitching with the needle above the fabric.
2. Raise the presser foot and gently pull on the thread chain just enough to clear the stitch finger.
3. Turn the fabric, lower the presser foot and begin stitching in the new direction. Fig. 1.

**NOTE:** When overlocking and trimming at the same time, cut the fabric along the new stitching line for about 3 cm, before turning the fabric. Fig. 2.



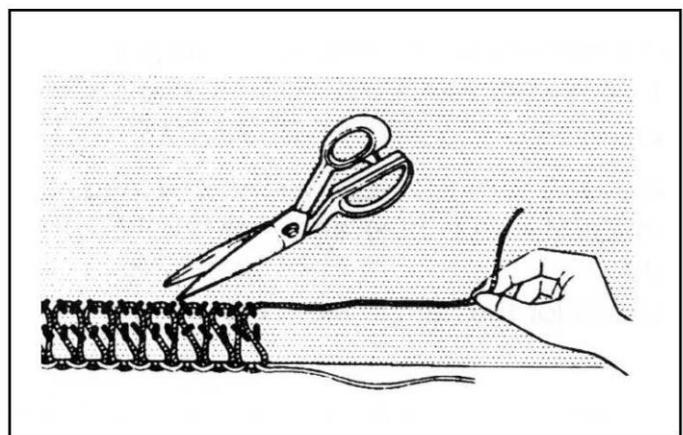
### TURNING CURVED EDGES

For inside curves, guide fabric gently with trimming line of the fabric under the right front of the presser foot (or a little to the left), applying pressure at point A in the direction of the arrow with your left hand, and at the same time applying a little opposite pressure at point B with your right hand. Fig.3.

For outside curves place under the presser foot in a similar manner but applying the pressure in the opposite directions. Fig. 4.

### REMOVING STITCHES FROM SEWN FABRIC

To remove stitches already sewn, snip off needle thread (s) at intervals and pull out looper threads.



## CORDED OVERLOCK

Corded overlock can be used to strengthen shoulder, sleeve or side seams when joining or making up knitted garments. As a decorative feature you can use knitting yarn of contrasting colours to further enhance your garment. Your machine is equipped with a presser foot which has been designed to feed your cord or yarn to the left of the safety stitch or to the right. Follow instructions as follows:

1. Place a “filler” cord, such as a crochet cotton, gimp, wool, knitting yarn, or shirring elastic at the rear of the machine spool pin. Pass the cord through the cord guides (1) and (2) and then through the left needle thread guide (3). See Fig. 1.
2. Insert the cord through either the front or rear hole (according to the operation, see diagrams Figures 2 and 3), in the presser foot and pass it under and to the rear of the foot.
3. Place the material to be sewn as normal. Start at slow speed observing if cord is feeding correctly and increase speed as needed.

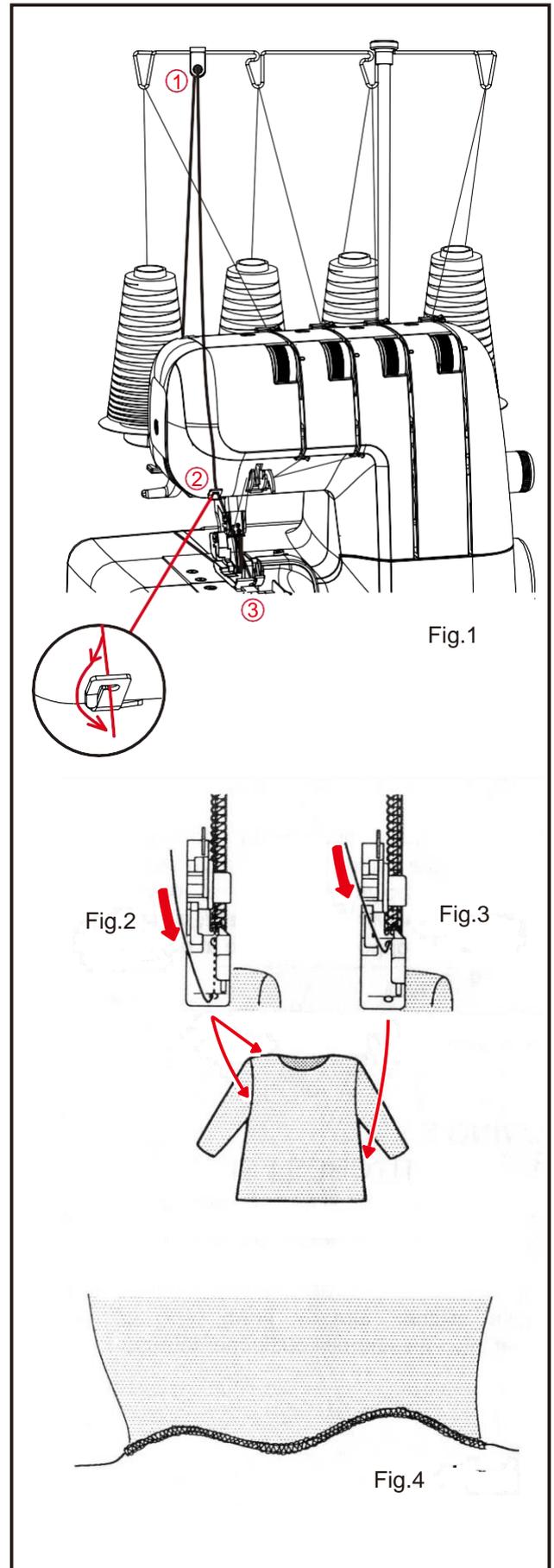
FOR JOINING SHOULDERS OR SLEEVES, pass the cord through the front hole, ensuring that it is fixed between the left and right needle threads as it is guided through the front hole. (Fig.2).

FOR JOINING SIDE SEAMS, pass the cord through the rear hole, ensuring it is positioned to the right needle thread. (Fig.3)

FOR DECORATIVE EFFECTS, you may pass contrasting colours either through the front or rear hole or if you desire, pass cord or yarn through each hole.

FOR MAKING WAVED HEM WITH GUT (Fig.4), pass the gut through the rear hole and start ROLLED HEM (See page 16).

This is used for the hem of skirt, etc.



## DECORATIVE EFFECTS

In addition to normal overlocking which is fully described in this instruction book, your machine can also be used for a number of decorative applications such as decorative top-stitching, butted seams, pin-tucking or making lengths of decorative braid. See below.

**Decorative top-stitching-using only two threads or using three threads (flat seam)** Fold fabric along the line to be top-stitched and sew over the folded edge, making sure not to cut into the fold.

Fig. A.

Unfold the fabric, pull the ends of the threads to the underside and press flat.

The final appearance can be enhanced by using buttonhole twist or embroidery thread on the lower looper.

**Butted seams-using only two threads or using three threads (flat seam)**

Place two pieces of fabric wrong sides together and overlock along the edge. Unfold and press. By using different coloured fabrics and thread a pleasing 'patchwork' effect can be achieved.

**Pin-tucking-using three threads**

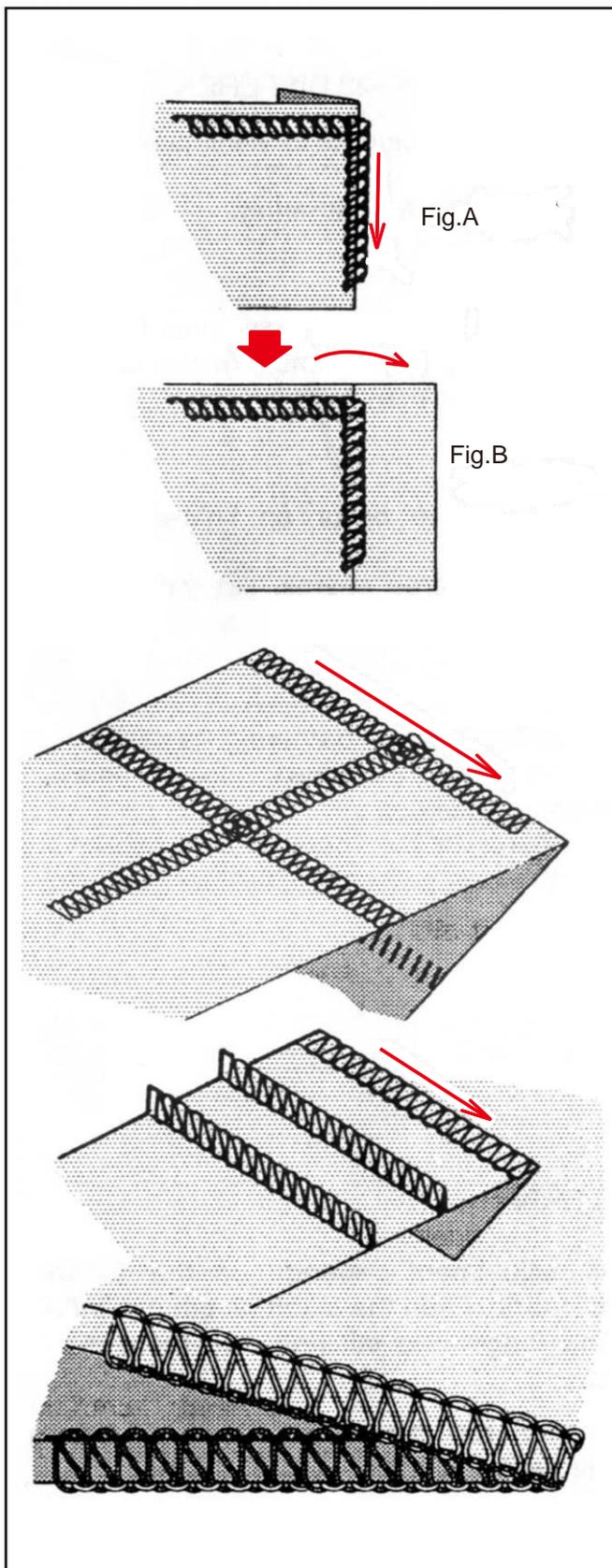
Fold fabric along a line to be pin-tucked and overlock sew along the folded edge, making sure not to cut into the folded edge of the fabric. (See page 25). Pull ends of threads to underside and press.

**Making decorative braid-using three threads**

Overlock over a cord braid, holding it carefully with both hands, making sure not to cut the edge. (See page 25).

**NOTE:** \*If you use blind hem foot(option), decorative stitch is made easily.

\*\*Reduce the upper looper ten sion when you use thick thread.



## DIFFERENTIAL FEED APPLICATIONS

Please refer to pages 19,0 DIFFERENTIAL FEED, Differential feed is designed to minimize puckering and wavering.

It is also very effective for gathering.

### 1. Puckering

Puckering tends to occur on woven or sheer fabrics.

To obtain pucker-free seams, set the differential feed control dial at less than 1.

### 2. Wavering

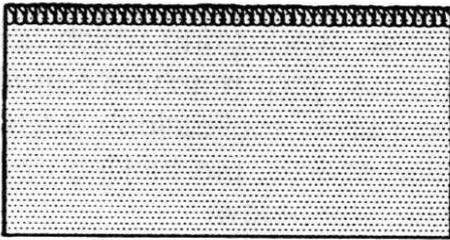
Wavering tends to occur on knitted or stretchable fabrics.

To obtain waver-free seams, set the differential feed control dial at more than 1.

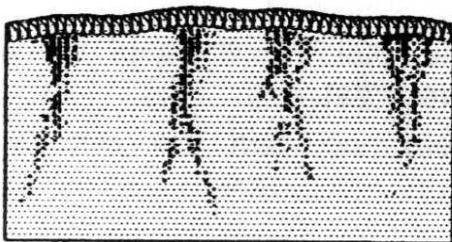
### 3. Gathering

Differential feed makes gathering easier on lightweight fabric. Use it on waistlines, sleeve heads, sleeve bottoms and ruffles, etc.

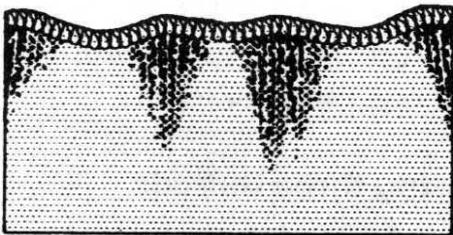
Set the differential feed control dial between 1.5 and 2 to obtain the best gathering effect for your use.



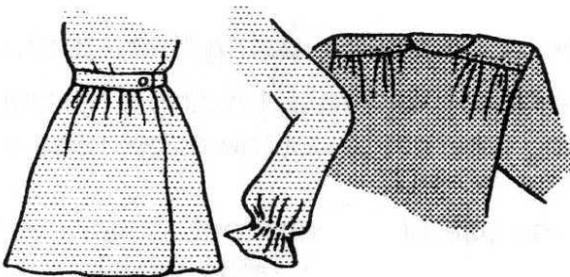
Pucker or waver-free seams



Puckering



Wavering



Gathering

### IMPORTANT

The exact adjustment depends on the thickness and elasticity of fabric. Even the stitch length can influence the setting. The longer the stitches, the more the fabric is contracted.

Always do a test run with a piece of actual fabrics you use and find the best settings.

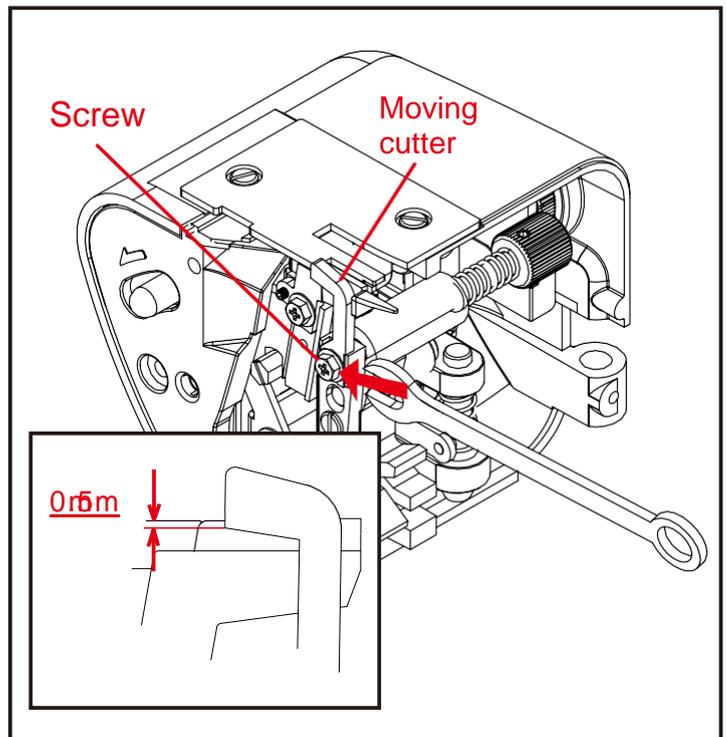
### 3. CARING FOR YOUR MACHINE

#### REPLACING MOVING CUTTER

Replace a moving cutter if it becomes blunt as follows. A spare cutter will be found in your accessories.

**NOTE:** You should not need to replace fixed cutter, which is made of special hard alloy material. **FIRST REMOVE THE POWER PLUG FROM THE SUPPLY SOCKET-OUTLET.**

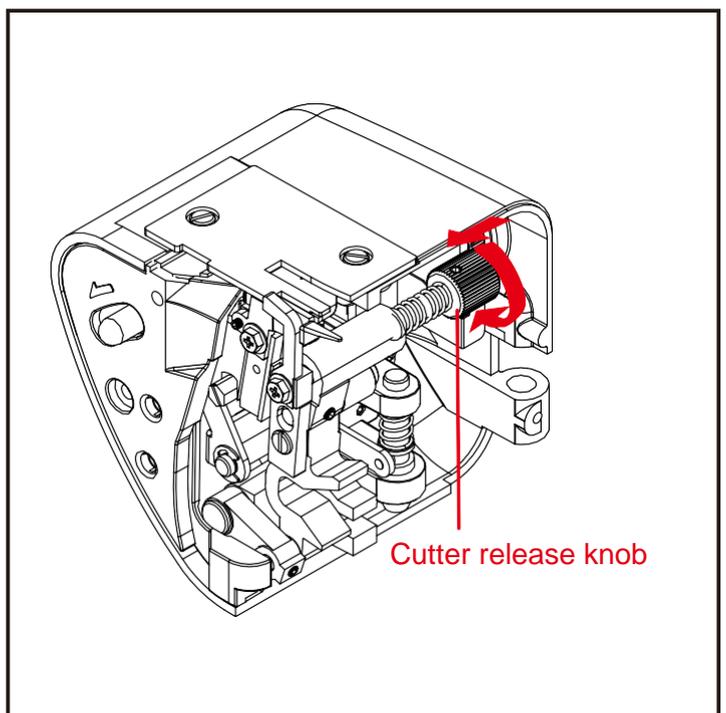
1. Loosen screw and take out movingcutter.
2. Close the working table. Lower cutter driving arm to its lowest position by turning the hand wheel towards you by hand. In this position, set replacement cutter in position and secure it with screw, **ENSURING THAT THE EDGE OF THE MOVING CUTTER IS APPROXIMATELY 0.5 MM BELOW THE SURFACE OF THE FIXED CUTTER.**



#### DISENGAGING MOVING CUTTER

If you want to sew without cutting, open the working table and disengage the moving cutter by pushing the cutter release knob to the left and turning it towards you as illustrated.

Ensure that fabric edge is not wider than overedge width selected or upper looper and needle can be damaged.

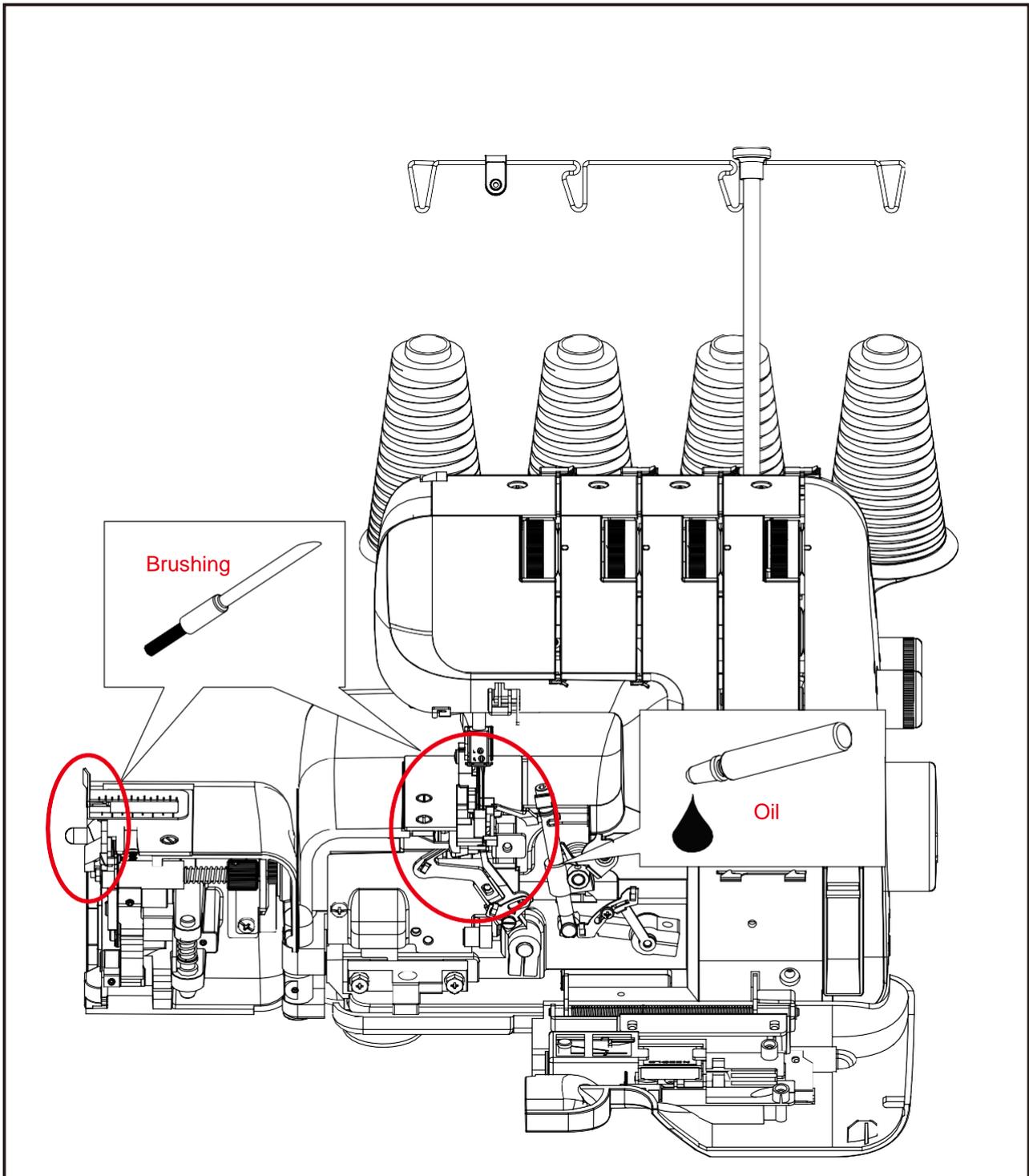


## CLEANING AND OILING

To keep the machine running smoothly, keep it clean and lubricated at all times.

FIRST DISCONNECT MACHINE FROM POWER SUPPLY BY REMOVING PLUG FROM SOCKET-OUTLET.

1. Open the front cover and working table. Using the brush provided, remove dust and lint that have accumulated.
2. Apply a few drops of oil to the points indicated by arrows.  
ALWAYS USE A GOOD QUALITY SEWING MACHINE OIL.



## 4. CHECKING PERFORMANCE PROBLEMS

PROBLEM	PROBABLE CAUSE	CORRECTION
Irregular Stitches	<ol style="list-style-type: none"> <li>1. Incorrect Thread Tension(s).</li> <li>2. Incorrect size Needle.</li> <li>3. Improper Threading.</li> <li>4. Pulling fabric.</li> <li>5. Loose Presser Foot.</li> </ol>	<ol style="list-style-type: none"> <li>1. Reset thread tension (s).</li> <li>2. Choose correct size Needle for Thread and Fabric.</li> <li>3. Re-thread machine.</li> <li>4. Do not pull Fabric; guide it gently.</li> <li>5. Reset Presser Foot.</li> </ol>
Breaking Needle	<ol style="list-style-type: none"> <li>1. Pulling fabric.</li> <li>2. Incorrect size Needle.</li> <li>3. Incorrect setting of Needle.</li> <li>4. Loose Presser Foot.</li> </ol>	<ol style="list-style-type: none"> <li>1. Do not pull Fabric; guide it gently.</li> <li>2. Choose correct size Needle for Thread and Fabric.</li> <li>3. Reset Needle.</li> <li>4. Reset Presser Foot.</li> </ol>
Puckering	<ol style="list-style-type: none"> <li>1. Incorrect Thread Tension (s).</li> <li>2. Bent or blunt Needle.</li> <li>3. Differential feed is set Incorrectly.</li> </ol>	<ol style="list-style-type: none"> <li>1. Reset Thread Tension (s).</li> <li>2. Insert new Needle.</li> <li>3. Set it at less than 1.</li> </ol>
Wavering	Differential feed is set Incorrectly.	Set it at 1 or at more than 1. For knitted fabrics.
Skipping Stitches	<ol style="list-style-type: none"> <li>1. Improper Threading.</li> <li>2. Incorrect size Needle.</li> <li>3. Bent or blunt Needle.</li> <li>4. Incorrect setting of Needle.</li> </ol>	<ol style="list-style-type: none"> <li>1. Reset thread machine.</li> <li>2. Choose correct size Needle for Thread and Fabric.</li> <li>3. Insert new Needle.</li> <li>4. Reset Needle.</li> </ol>
Breaking Threads	<ol style="list-style-type: none"> <li>1. Improper Threading.</li> <li>2. Bent needle.</li> <li>3. Thread Tension (s) too tight.</li> <li>4. Incorrect setting of Needle.</li> <li>5. Thread Spool tangled.</li> <li>6. Thread Guide Pole not extended.</li> </ol>	<ol style="list-style-type: none"> <li>1. Re-thread machine.</li> <li>2. Insert new Needle.</li> <li>3. Reset thread tension (s).</li> <li>4. Reset needle.</li> <li>5. Reset spool properly.</li> <li>6. Fully extend Guide Pole.</li> </ol>



Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

**ELECTRICAL CHARACTERISTIC DATA**

**220~240V 50Hz 111W  
(Protection class II)**