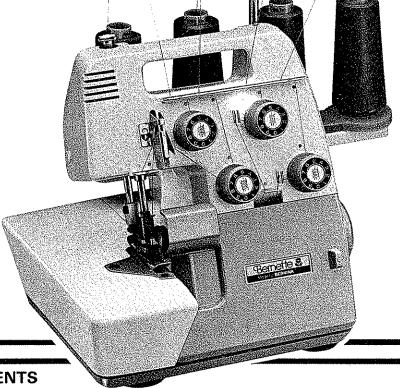


MODEL MODEL 234

2-NEEDLE, 4-OR 3-THREAD CONVERTIBLE OVERLOCK SEWING MACHINE

INSTRUCTION MANUAL



ONTENTS	
SAFETY REGULA	RNOITA
NAMES OF MAIN	COMPONENTS

		•
• 1	NAMES OF MAIN COMPONENTS	1
	Important, Safety regulations	
•	HOW TO USE THE THREAD STAND	2
	Name of thread stand components	2
	For overedging thread	2
	For domestic spools	2
•	THREADING	3
	How to use the needle threader	3
	4-thread overedging stitch	3
	3-thread overedging stitch	4
•	HOW TO USE THE FOOT CONTROL	5
	Connecting the control	5
	Operating the power/lamp switch	•
	and the control	5
• (OPERATING THE MACHINE	6
	How to use the waste receptacle	6
	Trial sewing	6
	That sowerig , , ,	0
L		

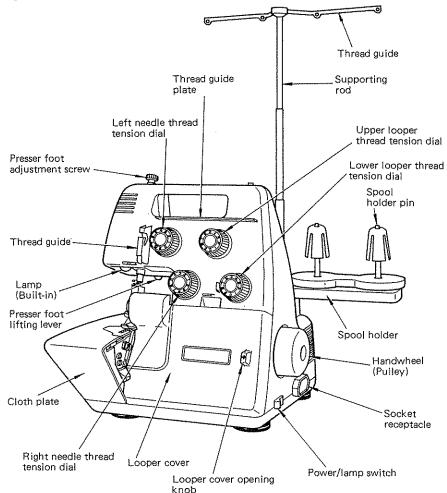
How to remove a finished piece of work. If thread breaks during sewing ADJUSTING THE THREAD TENSION HOW TO SET THE DIALS ACCORDING	6 6 7
TO EACH FABRIC AND THREAD	8
TAPED OVERLOCKING	9
 ADJUSTING THE STITCH LENGTH 	10
PRESSER FOOT PRESSURE	10
 INSERTING THE NEEDLES 	10
REPLACING THE KNIVES	11
 LUBRICATION AND REPLACING THE 	
BULB	12
 SPECIFICATION OF PACKAGE & 	
ACCESSORIES	12
• HOW TO SEW	13
 APPLICATIONS AND ROLL HEMMING 	
ATTACHMENT (Available separately)	14
SPECIFICATION TABLE	14
 BEFORE CALLING FOR SERVICE 	15

Names of main components

IMPORTANT SAFETY REGULATIONS

The following safety regulations must be observed without fail:

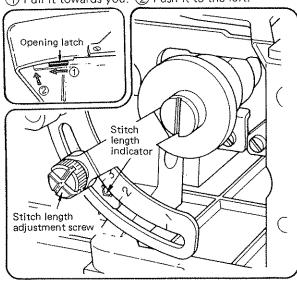
- The moving needle and the cutting knives are sources of danger (risk of injury to fingers). The sewing position must, therefore, be kept under constant observation.
- Manipulations within the area of movement of the needle, such as changing the needle or cutting knives, or threading the machine and all manipulations with open covers (stitch width or stitch length adjustments), must only be performed with the machine switched off (main switch set to off position).
- When cleaning or lubricating the machine or changing the light bulb and interruptions in sewing or after completion of work, the machine must be disconnected from the power supply by pulling out the mains plug.
- Repairs to the electric section, especially the changing of the lead wire to the foot control unit, may only be carried out by one of our service agencies.



· View with the cloth plate opened

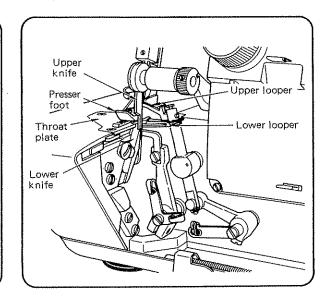
The cloth plate can be opened by using the opening latch as follows:

1 Pull it towards you. 2 Push it to the left.



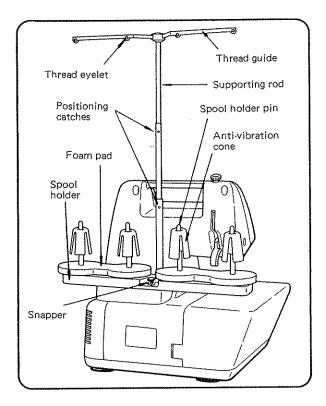
· View with the looper cover opened

To open the looper cover, pull the opening knob to the right and tilt the cover towards you.



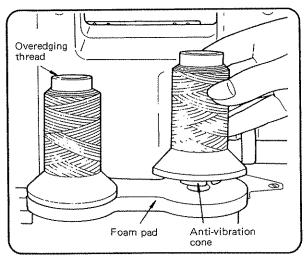
How to use the thread stand

Names of thread stand components



For overedging thread

(It is advisable to use overedging thread for this overlock machine.)

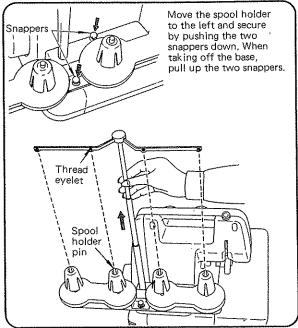


Place thread on to the spool holder pin using the anti-vibration cone.

Do not remove the foam pad.



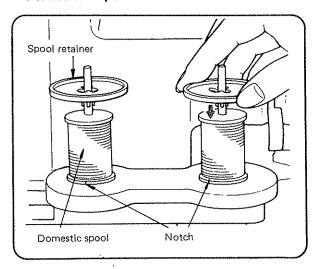
When using large spools, turn antivibration cone upside down.



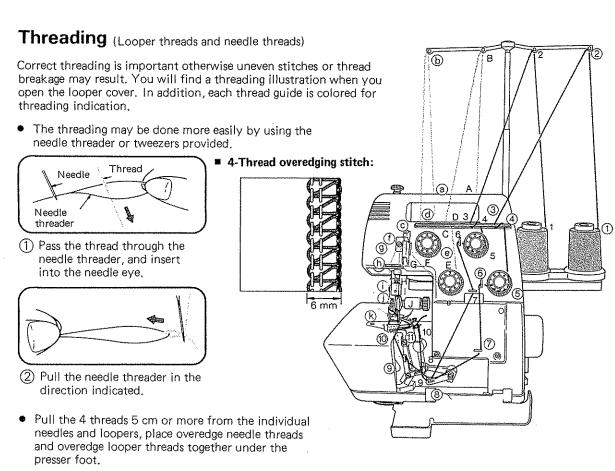
Fully extend the supporting rod until the positioning catches engage.

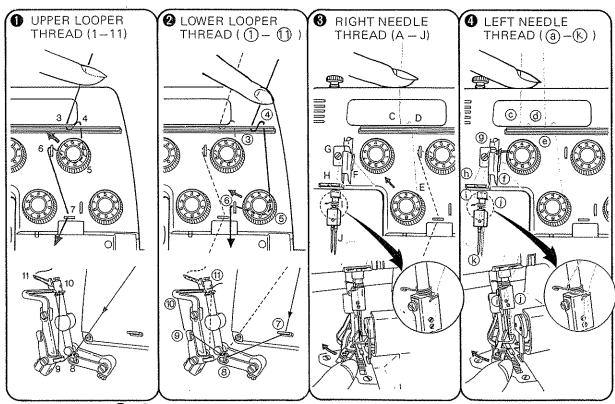
 Make sure the thread eyelets of thread guide are located exactly above the respective spool holder pins.

For domestic spools



- 1 Remove the anti-vibration cone from the spool holder pin.
- 2) Place the domestic spool on the spool holder pin.
- (3) Push the spool retainer provided on to the spool.
- Do not remove the foam pad.
- The thread notch on the spool should be at the bottom.



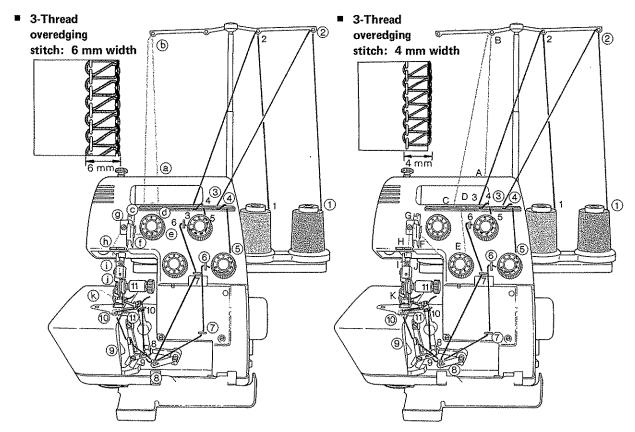


- To thread 55 Ee, hold the thread with your finger and pull it strongly to the left.
- Thread the needle using the swing-out foot mechanism as follows:
- Turn the handwheel until the needle reaches its highest position.
 Lift the presser foot and TURN THE FOOT TO THE LEFT.

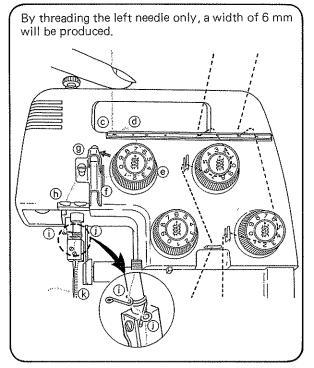
Insert the thread into the needle eye.

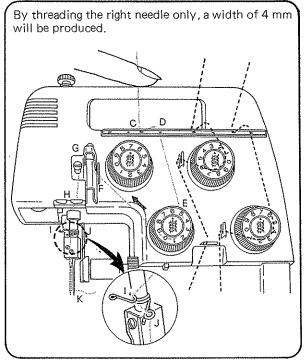
After threading, TURN THE PRESSER FOOT TO THE RIGHT to its original position.

Attention: When the presser foot is turned to the left, for safety reasons the MACHINE CAN NOT BE OPERATED.



It is possible to achieve two different stitch widths. The method for threading the upper looper thread and lower looper thread is the same as described on page 3.

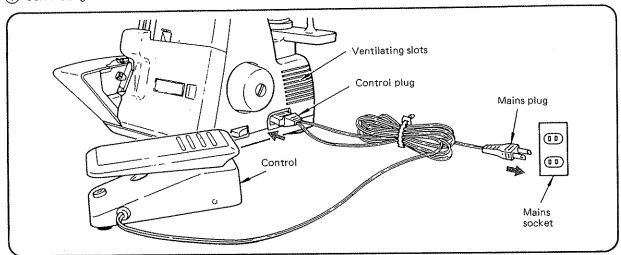




Caution! When using only one needle, the needle not being used should be taken out.

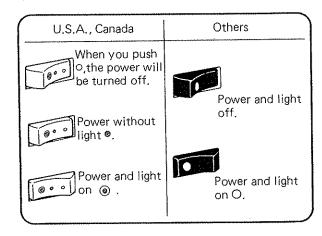
How to use the foot control

(1) Connecting the foot control

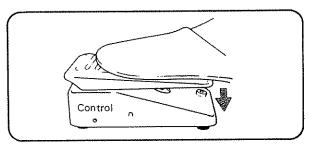


Connect the foot control plug to the machine socket as shown above, and then connect the mains plug to the mains socket.

(2) Depressing the power/lamp switch



(3) Depressing the foot control



- Place your foot on the control as shown above.
 - The sewing speed will increase as you increase the pressure on the control.

Adjust the sewing speed by adjusting the pressure on the control.

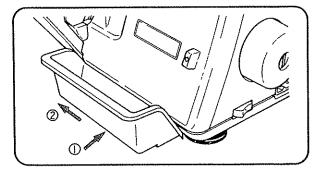
Caution

- ① Unlike a home sewing machine, the motor drives the handwheel backwards as opposed to forwards.
- During prolonged operation of your machine, the motor and control will get warm but this will not harm the machine.
- Be careful not to cover the ventilating slots of the motor and control with fabric or paper during operation.
- When the motor is running, you may see small sparks through the ventilating slots on the handwheel side. These are perfectly normal.

• CAUTION: When machine is not in use.

- Remember to disconnect the plug from the mains socket. Be sure to hold the plug when unplugging it.
- Turn off the power/lamp switch.
 Remember to disconnect the plug from Do not put anything on the control.

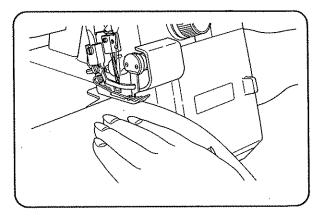
Operating the machine



How to use the waste receptacle

The waste receptacle provided with the machine is used to collect fabric scraps during sewing. Position the waste receptacle as follows.

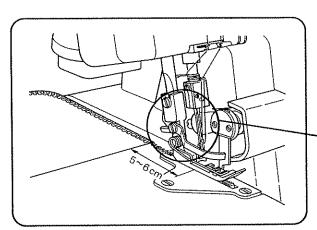
- 1 Place the waste receptacle between the machine and the table.
- Push the waste receptacle against the looper cover and move it to the left.
- When the waste receptacle is full, remove and empty it.



 Trial Sewing — After you have finished the necessary threading, do trial sewing.

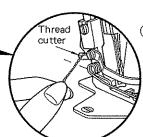
When the overedger has been threaded for the first time or re-threaded because of thread breakage during sewing, start sewing in the following manner.

- 1 Place the needle thread, upper looper thread and lower looper thread under the presser foot.
- Turn the handwheel two or three times backwards with your right hand to check that the threads lie correctly.
- Then place fabric for trial sewing under the presser foot and start sewing.
- Make sure that the presser foot has come down before you start sewing.

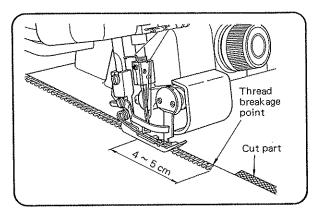


How to remove a finished piece of work

(1) When work is finished, continue running the machine so that a chain of thread 5—6 cm long is made as shown in fig. left. Cut with thread cutter.



Leave this chain ready to start next row of sewing.



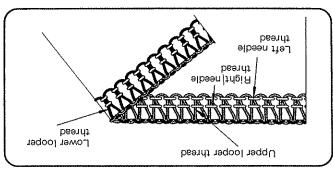
If thread breaks during sewing

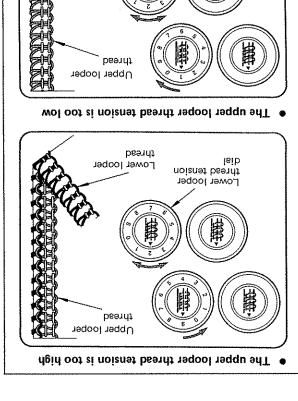
- 1) If you have thread breakage during sewing, remove the work from the machine and re-thread the machine as you threaded it at the beginning.
- If you re-thread the lower looper because of thread breakage during sewing, draw out the needle thread from the needle eye.
- If the upper looper thread has broken, turn the handwheel to bring the upper looper to its lowest position before re-threading it.
- Reset the work so that the part which is 4 to 5 cm before the thread breakage point is located under the presser foot, and restart sewing over the stitches previously sewn.

www.blowegisnatobsephtuefit gnitsulbA

Check the stitches formed each time the type of fabric or the count of thread is changed, and adjust the thread tension of the machine accordingly.

Correct thread tension





2. Adjust by using the upper looper thread tension

 Match the lower looper thread tension dial to the position of "Standard thread tension setting"

thread

Lower looper

described on page 8.

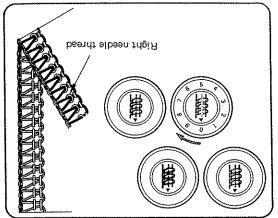
noisnet beendt

Lower looper

wol oot si noisnat beautit albaan tial ant •

The left needle thread tension is a constant albaan tial

wol oot si noisnat beautit albaan tigit ant •



Turn the dial in the direction indicated to set it at a higher number.

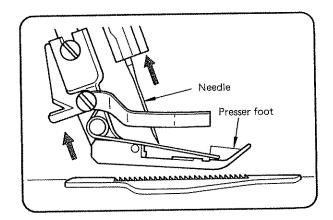
How to set the dials according to each thread and fabric

Threads		Fal	Fabrics Standard thread tension setting										
				4-thread overedging stitch			3-thread overedging stitch 4 mm width			3-thread overedging stitch 6 mm width			
				Left needle	Right needle	Upper looper	Lower looper	Right needle	Upper Iooper	Lower looper	Left needle	Upper looper	Lower looper
Spun thread polyester,	Knitted fabric	Light- weight fabric	Interlock, 40-denier tricot	4	4	4	4	4	4	4			
		Medium- weight fabric	Crimplene, Single-knit jersey	}	ξ	?	}	6	6	6		*	
		Heavy- weight fabric	Double-knit jersey, Stretch cord, Stretch denim	6	6	6	6		*	•	3	3	2 } 5
e.g. Metrocor 120	Woven fabric	Light- weight fabric	Lawn, Muslin, Georgette, Crepe de chine, Organdie, Voile	4	4	3.5	3.5	3.5	4	2.5			
		Medium- weight fabric	Broad cloth, Gingham, Poplin, Corduroy Shantung, Poral	\ 6	}	?	5.5	6	}	}		*	
A CONTRACTOR OF THE PARTY OF TH		Heavy- weight fabric	Denim, Tweed, Drill, Velour								3	4 ≀ 6	2 } 4
Polyester continuous		Light- weight fabric	Interlock, 40-denier tricot	1	2	3	1.5	2.5	3.5	1.5 {		<u> </u>	
	Knitted fabric	Medium- weight fabric	Crimplene, Single-knit jersey	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\	> 5	3.5	4.5	5	3.5			
		Heavy- weight fabric	Double-knit jersey, Stretch cord, Stretch denim			-			*		1 { 3	3.5	1 2 3
	Woven fabric	Light- weight fabric	Lawn, Muslin, Georgette, Crepe de chine, Organdie, Voile	1.5	2.5	3.5	1.5	2.5	3.5	1.5		*	
		Medium- weight fabric	Broad cloth, Gingham, Poplin, Corduroy, Shantung, Poral	3.5	4.5	4.5	3.5	4.5	₹ }	3.5		*	
		Heavy- weight fabric	Denim, Tweed, Drill, Velour	0.0	7.7	7.2	5.0	7.0)	1 2	3.5	1

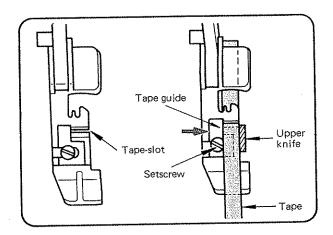
Mark * Not normally used.

Taped overlocking

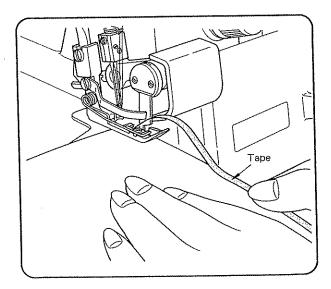
Taped overlocking is used to strengthen the shoulder, sleeve or side seams of knitted garments.



1. Raise the needle to its highest point by turning the handwheel clockwise, and raise the presser foot.



- 2. Insert the tape in the tape-slot of the presser foot, using the tweezers.
- Place the tape firmly between the upper knife and the tape guide.
 The lateral position of tape guide is adjusted by loosening the setscrew.



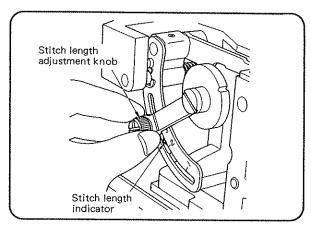
- 4. Lower the presser foot, and sew 2 or 3 stitches on the tape.
- Raise the presser foot, and place the fabric under the presser foot.
 When the fabric is correctly positioned, lower the presser foot and start sewing.

Adjusting the stitch length • Presser foot pressure • Fitting the needles • Swing out foot

· Adjusting the stitch length

The stitch length of this machine has been factoryadjusted to 2.5 mm. It is usually unnecessary to adjust the stitch length, but if you need to, do it as follows:

- ① Open the cloth plate.
- ② Hold the handwheel with your right hand, and loosen the stitch length adjustment knob.
- ③ Move the stitch length adjustment knob up or down to make adjustment. (Adjustable within the range of 1 to 5 mm.)
- Set the stitch length indicator to the number required, and retighten the knob.



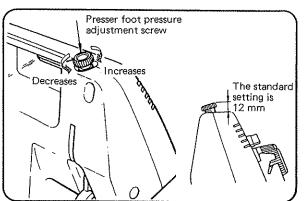
Presser foot pressure

The presser foot pressure of the machine has been factory-adjusted and requires no particular readjustment according to type of fabric (light-or heavy-weight).

However, if you need to adjust the presser foot pressure, do as follows:

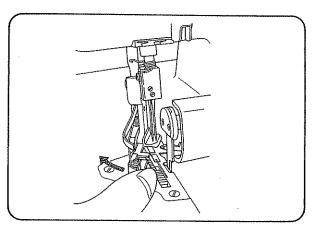
Use the presser foot pressure adjustment screw to make the adjustment,

- Decrease the pressure when sewing light-weight fabrics.
- ② Increase the pressure when sewing heavy-weight fabrics.
- Do this by turning the presser foot pressure adjustment screw in the directions indicated in the figure below.

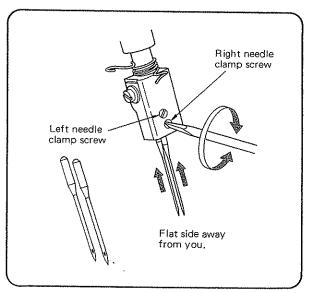


Inserting the needles Swing out foot

- 1 Turn the handwheel until the needle bar reaches its highest position.
- 2 Lift the presser foot, and turn it to the left.



- 3 Loosen the needle clamp screw to remove old needle. Place new needle with FLAT SIDE AWAY FROM YOU, up into the groove of the needle bar, ensuring that it is inserted as far up as it will go.
 - Re-tighten the screw securely.
- 4 Turn the presser foot to the right to its original position.
- 5 Attention: When the presser foot is turned to the left, for safety reasons the MACHINE CAN NOT BE OPERATED.



Selecting the needle

The standard needle to be used with this machine is 130/705 H No. 80 or HA x 1 No. 11.

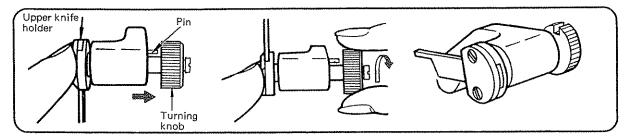
Replacing the knives

The lower knife could wear out, and therefore might need replacing when it is blunt.

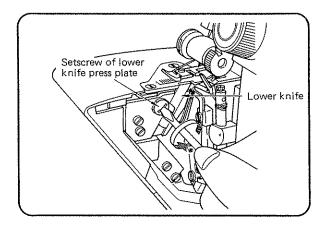
• CAUTION: Be sure to disconnect the power plug from the mains socket before replacing the lower knife.

· Removing the lower knife

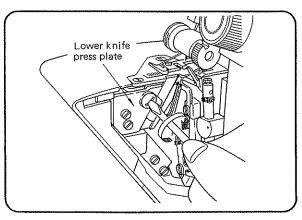
1 Turn the handwheel until the knife reaches its highest position. Then open the looper cover.



- Push the upper knife holder fully to the right which will release the turning knob from the pin.
- 3 Turn the knob in the direction indicated.
- 4 Turn the knob until it is in the position shown above.



(5) Loosen the setscrew of the lower knife press plate to remove the lower knife as shown in the figure left. (A spare lower knife is provided as an accessory.)



Attaching the lower knife

- (1) Fit the lower knife in the lower knife holder groove as shown in the figure.
- Position the cutting edge of the lower knife so that it is flush with the throat plate surface. Then secure by tightening the setscrew.
- After you have finished replacing the lower knife, push the upper knife holder fully to the right and turn it towards you, until the pin engages with the turning knob.

· Replacing the upper knife

The upper knife (movable knife) of a BERNETTE machine is made of special material called cemented carbide and does not usually need to be replaced. However, if its blade is chipped, it must be replaced. Replacement knives can be purchased from your local BERNETTE dealer.