


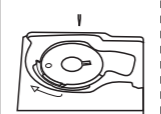

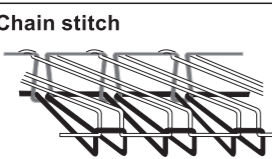
How to use the overlock sewing machine

Bunka Business Bureau
Purchasing Department

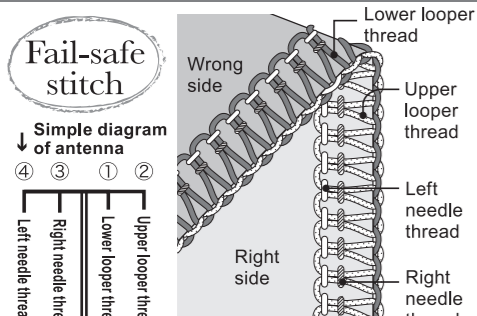
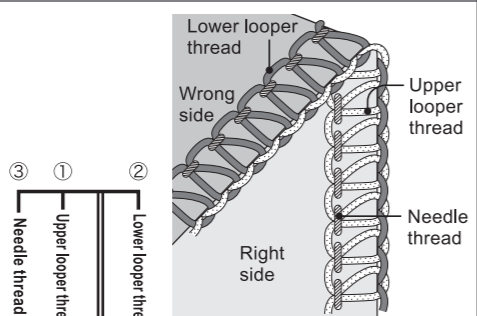
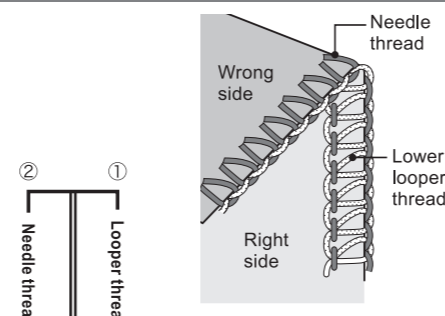
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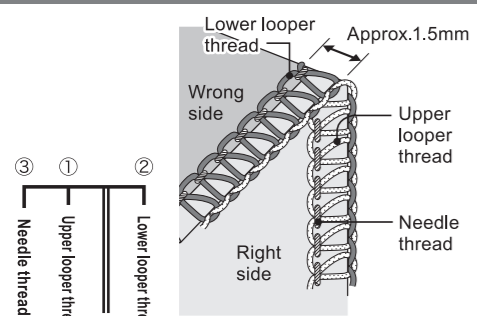
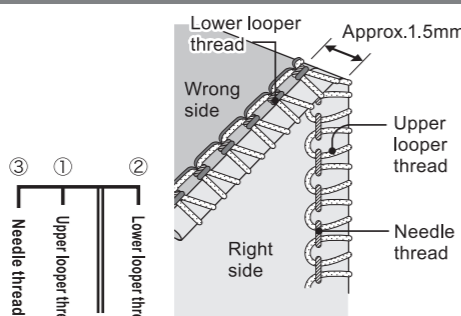
1 What is an overlock sewing machine?

- (1) As the edges of the fabric will start fraying after being cut, you will need to finish the seams.
- (2) A 2- to 5-thread serge will be required depending on the number of yarn used, and a sewing machine that can sew (closer to knitting rather than sewing) while cutting the edge of the cloth as shown in the figure below, and can sew stretchable materials such as knitted materials is called an overlock sewing machine.
- (3) The overlock sewing machines used in the classrooms are the latest 3- and 4-thread models that can be used for all fabrics regardless of thickness.
- (4) Difference in sewing style and structure.

Ordinary sewing machines	Lock stitch  Stitches formed by needle and hook	Hook mechanism  Horizontal hook  Vertical hook	No knife
	Overlock sewing machines	Chain stitch  Stitches formed by needle and looper	

2 Regarding the stitches and thread tension of the overlock sewing machine

2-needle 4-thread overlock  Fail-safe stitch Simple diagram of antenna: ④ Left needle thread ③ Right needle thread ① Lower looper thread ② Upper looper thread	1-needle 3-thread overlock  ③ Needle thread ① Upper looper thread ② Lower looper thread	1-needle 2-thread overlock  ② Needle thread ① Looper thread
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Standard serging (1-needle 3-thread)  ③ Needle thread ① Upper looper thread ② Lower looper thread	Rolled edging (1-needle 3-thread)  ③ Needle thread ① Upper looper thread ② Lower looper thread
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Thread tension (checking order)

First, adjust the tension of the needle thread, and then adjust the tension of the upper looper thread and lower looper thread at the same time.

3 Useful functions of overlock sewing machines

Automatic thread tension control (Just Fit System)


The Just Fit System, which can only be found in the Spinner's Tale models, automatically adjusts the thread tension to the optimum level. The beautiful finish is always yours.

Automatic air threading (ExtraordinAir System)

The latest sewing machines are equipped with the ExtraordinAir System (automatic threading), which uses the power of wind to thread needles in no time at all. In addition, you can thread the needles in any order.

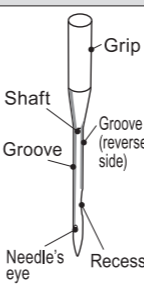















Automatic needle threading (Ease Through)

Simply hook the thread to the guide, and return the lever to its original position. The thread will be easily threaded through the needle's eye.

 You can create various items using only the overlock sewing machine.

Completed in no time with an overlock sewing machine!

4 Needle type

Type	DC×1	DC×1F	BL×1	DB×1	HA×1	HA×1SP	EL×705	HL×5
Shape and names								
	Total length	33.3mm		37.6mm		38.2mm		38.4mm
Recess length	4.4mm	4.4mm	5mm	3.8mm	5.4mm	5.4mm	5.4mm	5mm
Cross section of shaft								
Compatible models	BL3-406 BL3-408	BL4-838DF BL3-438DF BL3-438 BL3-450(MR)	BL2-205A BL2-203	EP9600/9500 EP9400/9300 EP9400LS BC5000/5100 BC5300DBN	BC4800 BC2500	Itori monogatari Ihojin BL2-228	Flat Lock Nuikobo Hokiboshi	EP9600HL BC5500 BC5300 BC5500HLN
	Exclusively for industrial overlock sewing machines	For 3-thread Baby Lock machines	For 2-thread Baby Lock machines	Industrial lock stitching Professional lock stitching	Household lock stitching	Household lock stitching Needle for knitted materials	For household coverstitching	Professional lock stitching

The higher the count, the thicker the needle required. (Thin) ← #9 #11 #14 → (Thick)

(Note) Needles will wear down with time. Please replace bent or worn-down needles with new needles as not doing so may cause thread breakage and stitch skipping.

5 Basic operation for stitching

- (1) Preparation..... ①Set the antenna properly. → ②Close the knife cover, front cover and side cover. → ③Lower the presser foot.
- (2) Operation at the start and end of stitching

② Pinch the end of the thread and pass it under the presser foot.

Rotate the handwheel by hand

③ Sew a test sample to check the stitch.

④ Slide the fabric under and start stitching.

⑤ Leave a long thread tail after you have finished stitching.

*Please do not pull on the thread tail.

6 Various stitches

- (1) You can create various stitches using optional accessories. Some practical examples include blind hemming, attaching rubber tapes, attaching pipings and gathering.
- (2) Various decorative stitches such as rolled edging for frills and attaching pearls are possible.
- (3) **Differential feed**
When stitching stretchy materials (knitted materials), the stitched parts may become stretched. Differential feed is a function prevents this by stretching and gathering the fabric as you sew. Differential feed can be automatically enabled with just a few simple lever and dial operations.

Example: Attaching piping
Fabric (Right side) Piping cord

Attaching pearls
Fabric (Right side) Beads

Gather stitching
Stretchy fabric → Ordinary stitching will cause the fabric to stretch and pucker as shown here. → The "gather stitching" of the differential feed prevents the fabric from stretching, resulting in a perfect stitch.

7 How to remove stitches

First, cut the thread tail at the very edge of where the stitch begins and ends. Cut the needle thread at 20cm intervals, and pull on the cut needle thread to remove the stitch. Remove 1 needle thread for 3-thread overlock stitches, and remove 2 needle threads for 4-thread overlock stitches.

