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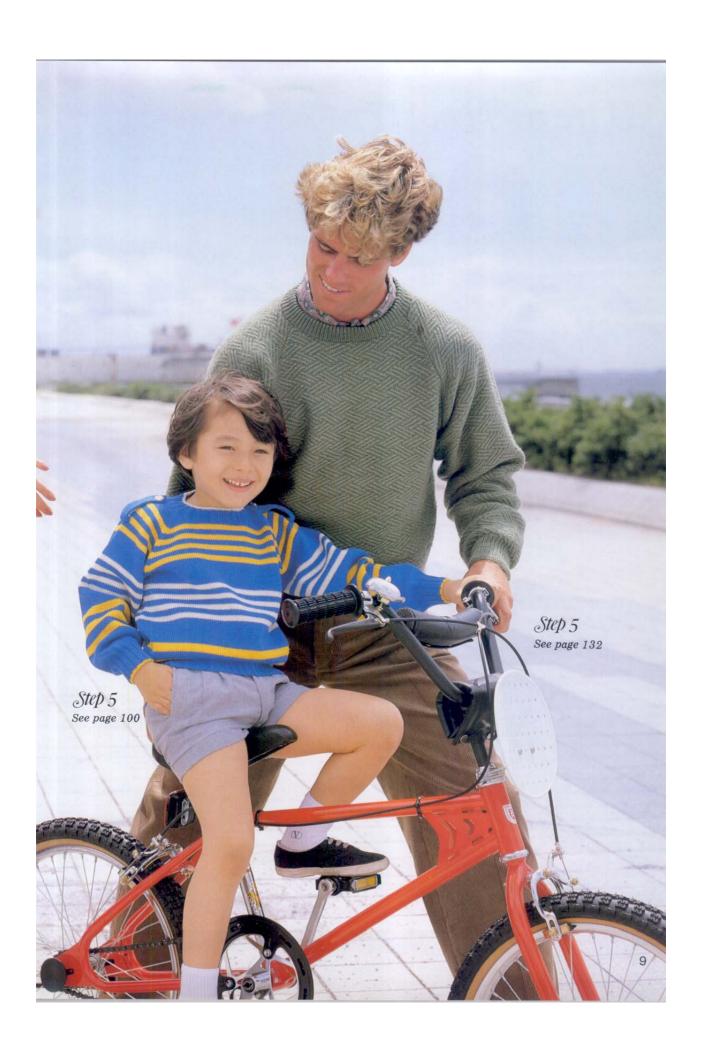














## BEFORE YOU START KNITTING Let's learn!

Keep this book by you and refer to it often!



#### 1: CONTENTS



Lady's Drop-shoulder Sweater



Stocking stitch sweater — Back and Front Straight with shaped sleeves.



Lady's A-Line Skirt



A semi-fitted skirt



Lady's and Man's Slipover



V-Neck Slipover



Let's knit the garments from step 1 to 6 and master the techniques together!



I'm going to start with the easiest one.





Lady's Set-in Sleeve Sweater



A standard round neck sweater with set-in sleeves

## Step 5

Man's and Child's Sweater



A Raglan sleeve sweater — easy to make and easy to

Lady's Cardigan



Round Neck cardigan

### 2: PROCEDURE



Select the pattern you want to make.



Prepare yarns.



Before you select the size, measure each part of the body.



Set up your knitting machine.



Knit a tension swatch.



Trace the outline of the pattern onto paper or special sheet.



Take the tension gauge after you have pressed it lightly according to yarn label.



Set the Knit-leader according to the gauge.



Knit the garment pieces.



Block and press.



Sew side and sleeve seams by hand or with a sewing machine,

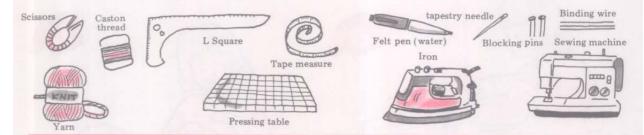


Press lightly.

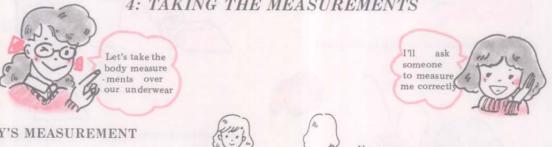


Your sweater is ready to wear!

#### 3: WHAT DO I NEED FOR MAKING A GARMENT



#### 4: TAKING THE MEASUREMENTS



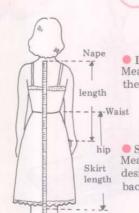
#### LADY'S MEASUREMENT

Bust (B)
Measure the largest part of the bust.

Sleeve length Measure from the shoulder point to the wrist along the arm.

Waist (W) Measure at the smallest part of the waist.

Measure the widest part of the hip.

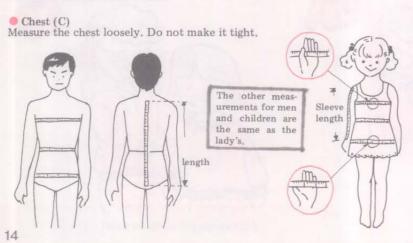


Length Measure at the centre back from the nape to desired length.

Skirt length Measure from the waistline to the desired length along the centre of back.

#### MAN'S MEASUREMENT

#### CHILD'S MEASUREMENT



Sleeve

length

Chest (C) Measure evenly around the chest putting 4 finger under the tape.

Waist (W)
As a child's waist is hard to find measure it approx opposite the elbow.



The base measurement of a slipover, sweater, dress or cardigan is the bust measurement. The base measurement of a skirt is the hip measurement.

#### 5: SELECTING THE PATTERN

#### Body Measurements

Lady's

Symbols	Bust	Waist	Hip
ES	81 - 86	60	86- 91
S	86- 91	65	91 - 96
M	91 - 96	70	96-101
L	96-101	75	101-106
EL	101 - 106	80	106-111

Unit=cm

#### Man's

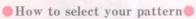
Symbols	Chest
S	91 - 96
M	96-101
Li	101-106
L2	106-111
La	111-116

Unit = c

#### Child's

Symbols	Height	Chest
ES	104	58
S	116	62
M	128	66
L	140	70

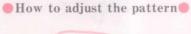
Unit = em





I like a loose fit I'll take the larger one!







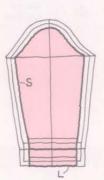
When you want to change the garment length and the sleeve length keep the overall balance in mind,



When you have selected the S size but you want to change the garment or sleeve length adjust as shown below.

Bust size is S, but the garment and sleeve length are L.





When you have selected the L size but you want to change the garment or sleeve length adjust as shown below.

Bust is L, and the garment and sleeve length are S

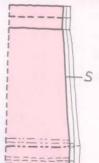




Should you select the S size but you want to make the skirt longer, adjust as shown below.

Should you select the L size but you want to make the skirt shorter, adjust as shown below.

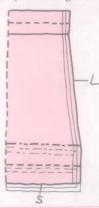
#### Waist is S size, skirt length is L size



When you adjust the skirt length keep the overall balance in mind.



Waist is L size, Skirt length is S size



#### Master the lines and symbols in the pattern

In order to make it easy to understand, symbols are used in the pattern!



As these symbols are very important remember them well!

Line	Name	Meaning			
	Finished line	Finished outline of the pattern			
	Fold line	When the left side and the right side of the pattern are the same, only one side is drawn			
	Hem line	The hem from this line,			
	Center line	The center of the pattern			
التد بتا	Ribbing	Ribbed part of the grament.			

Line	Name	Meaning			
Direction of knitting		Represents the beginning of knitting and the direction.			
T.	Matching marker	Matching point of the pattern.			
	Gathering	Position of gathering			
End of opening		The end of opening			
$\oplus$	Button position	Shows the button position			



What is the tension gauge ?

In knitting the gauge means the number of stitches and rows to



In order to make a garment the correct size you will have to make a tension swatch and measure it!

#### 6: Taking the tension gauge

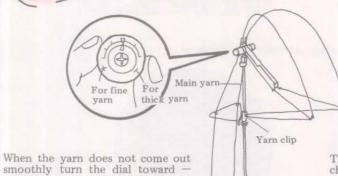
#### Tension Gauge

The results of the incorrect gauge.



mark. (Normal setting X mark.)

In order to knit a garment in the correct size, it is very important to have the correct





There is a Tension Dial on the Carriage. You can change the size of stitch with the Tension Dial according to the thickness of the yarn.



By changing the tension setting on the Tension Dial, you can knit small or large stitches.

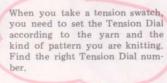


Table of Tension Dial in Stocking Stitch.

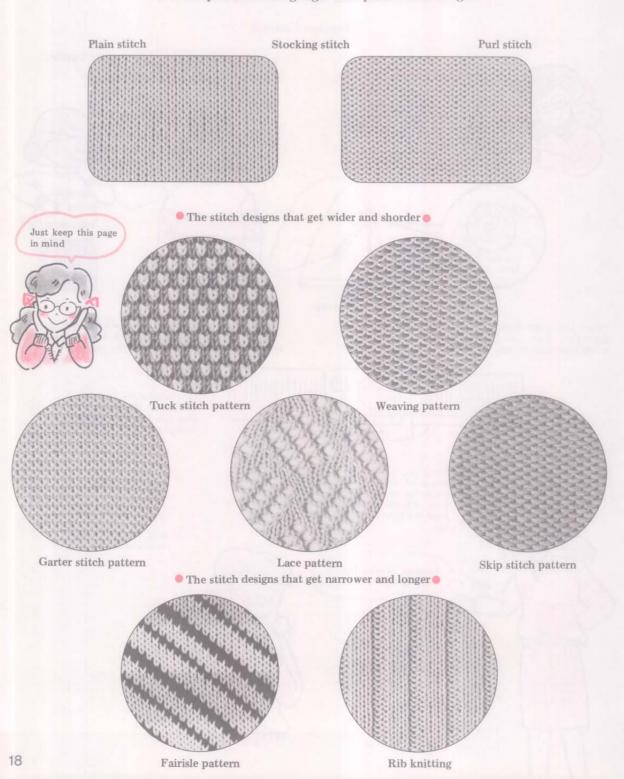


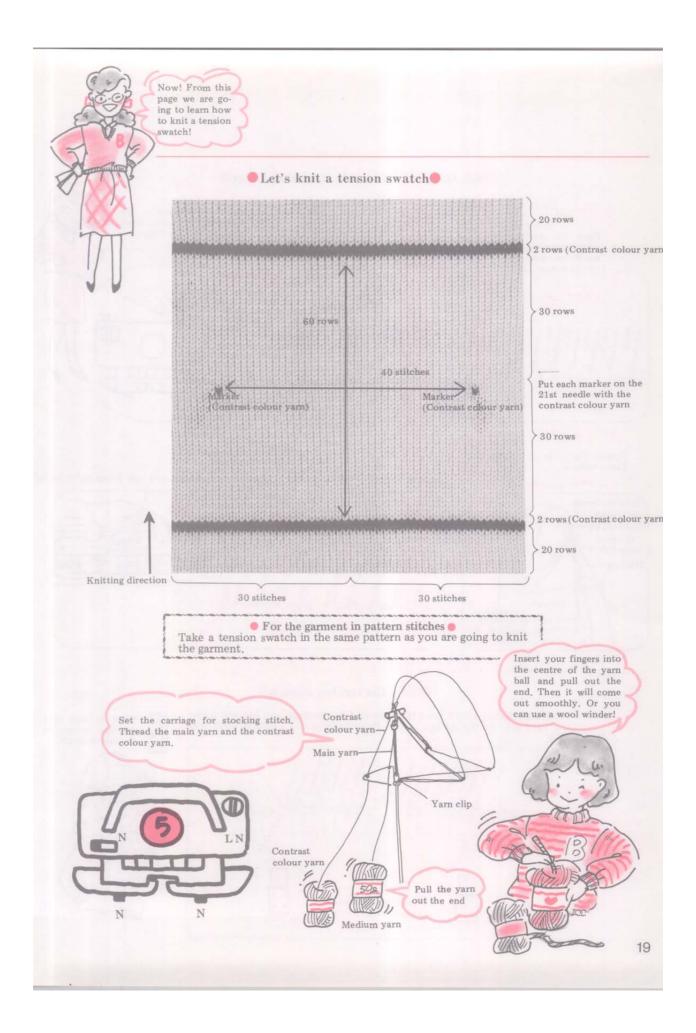
It may be very useful, make a note!

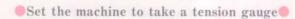


4.5mm Gauge				
Type of yarn	Recommended T.D. number			
Very fine	1- 3			
Fine	3- 5			
Medium	5- 7			
Thick	7- 9			
Very thick	8-10			

#### When you take the gauge with pattern knitting



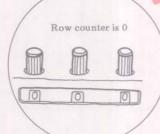


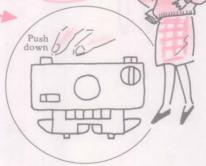


Place the every other needle between the 30th needle on each side of "0" to B position,

frfifitifititif

Place the carriage at the right side and push down the Row Counter Tripper.

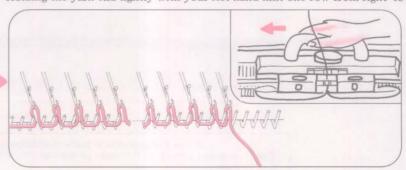




Thread the main yarn into the Yarn Feeder A

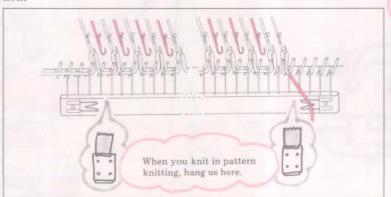
Holding the yarn end lightly with your left hand knit one row from right to lef



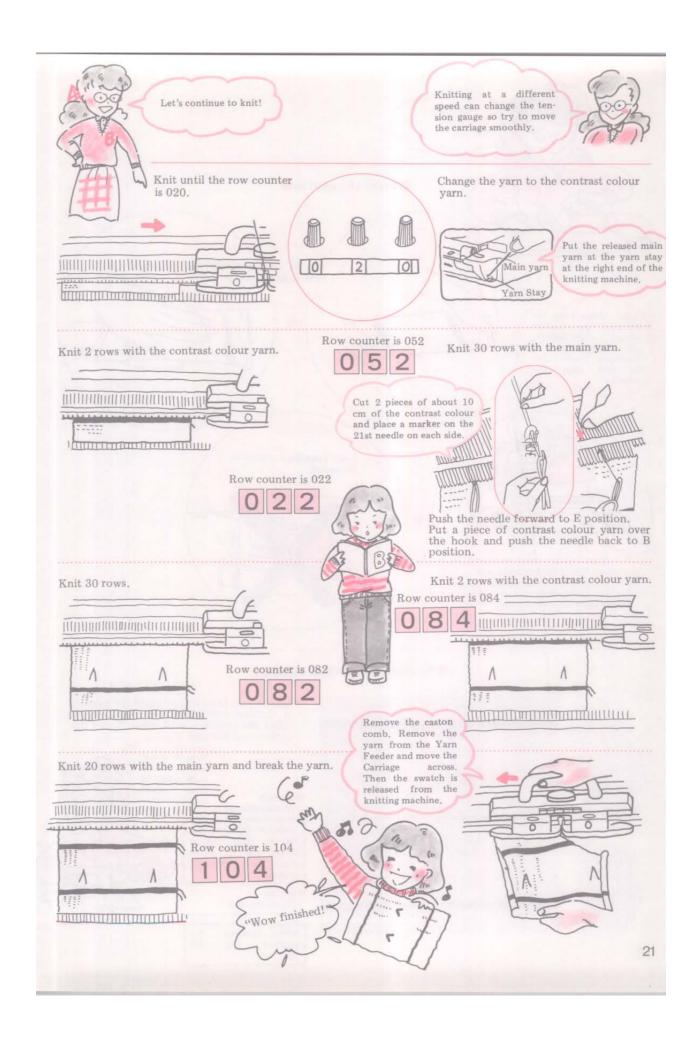


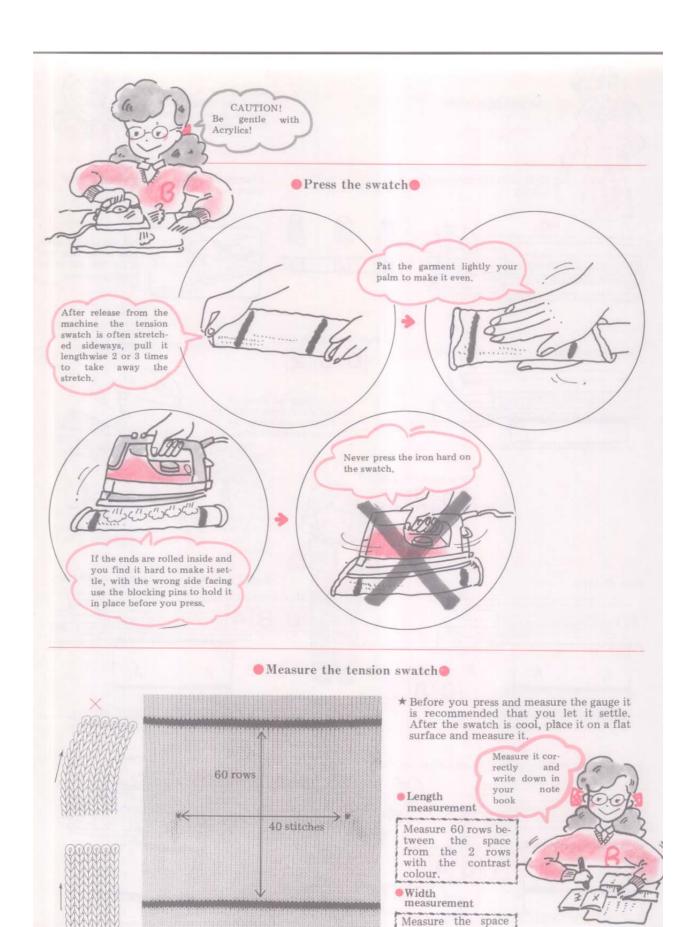
#### • Knit the tension swatch

Hang the caston comb, take the yarn end to the front and hook it under the yarn clip on the caston comb. Push needles in A position to B position.









from marker

for

marker

stitches.

to

40



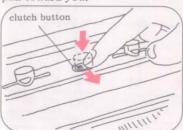
(Example) If you've got the tension gauge as below. 60 rows = 13.8cm and 40 sts = 12.8cm

How do you set the regulator?

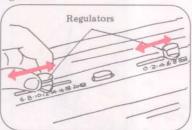


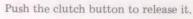
#### Set the Knit-leader for the tension gauge

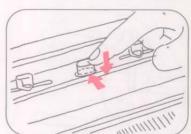
Push down the clutch button and pull toward you.



Set the left regulator to 13, and the right to 8.





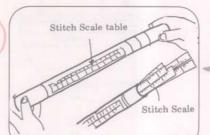




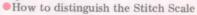
When you knit a garment, push the Knit-leader tripper into position.



The Stitch Scale is for the stitch measurement!



For 128mm (12.8 cm), see the column which shows the figure 128. You can see that 128mm (12.8cm) is under "No. 12".





Left datum line



Centre datum line

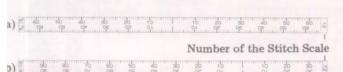
Now you have learned all about the tension gauge.

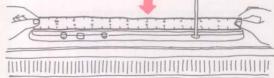


There are 2 kinds of Stitch Scale: a) indicating the centre of garment piece to be knitted at the centre of the scale and b) indicating the centre of the garment piece to be knitted at the left, the b) scale may be turned upside down so that the centre line is at the right, garment pieces are drawn onto the Knit-leader sheet as required as shown above.

#### How to set the Stitch Scale

Insert the Stitch Scale you have chosen into the slot for it with the correct Scale Measure facing you, and that the centre datum line is in the required position.

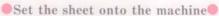






Trace your garment pattern on the sheet!

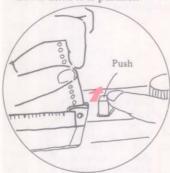




 Insert the Sheet Guide into the slots at the back of the machine.



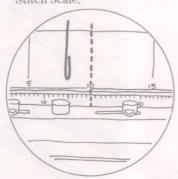
Push the sheet and move the right side of the sheet up and down until it is parallel.



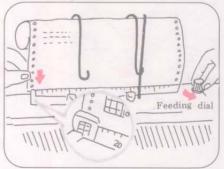
②After you have traced the pattern on the sheet insert it into the sheet guide.



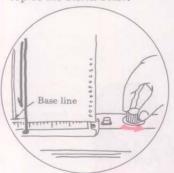
SMatch the centre line of the sheet to the centre line of the Stitch Scale,



③Hold the left end of the sheet and fit the sheet's perforations over the teeth of the left feed wheel. Turn the feed dial a few pitches.



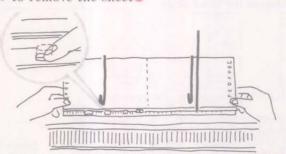
© Set the base line of the drawing of the garment piece to the top of the Stitch Scale.

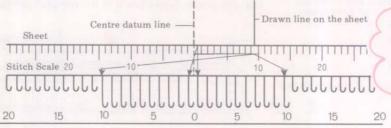


How to remove the sheet



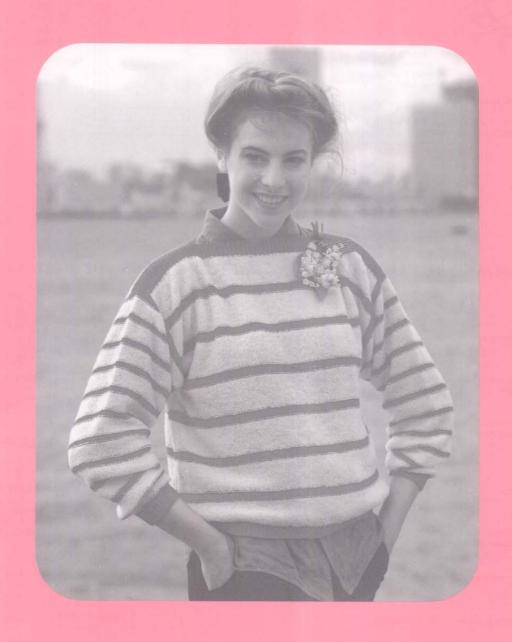
Push down the clutch button and pull out the sheet gently!





The number on the Stitch Scale corresponds to the number of needles. The diagram shows the Stitch Scale in relation to the needles.

# Step 1





DROP SHOULDER SWEATER

Use pattern No. 1

As the pattern has 5 sizes ES, S, M, L, EL take the correct measurements of your body and choose the correct size.



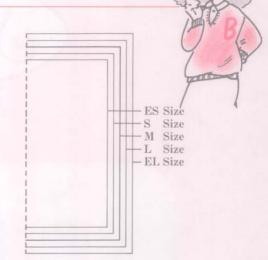
Please, check the tape is straight at the back.

Choose the correct pattern based upon your bust (B) measurements!

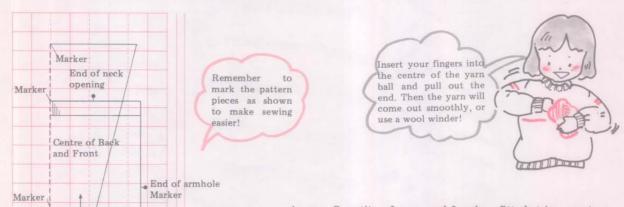


Decide the size of the pattern referring to your body measurements.

Size	Bust
ES	81 - 86
S	86- 91
M	91 - 96
L	96-101
EL	101-106



#### 1: TRACING THE PATTERN ON THE SHEET 2: THINGS YOU WILL NEED



Approx Quantity of yarn used for close fitted stripe sweater

- 1			
- 1	Trace	the	pat-
- 1	terns	5cm	above
5	the bo		

								1
Each	part	is	traced	on	the	same	sheet.	

Centre marker of Back and Front

Size	Main yarn white (Boucle)	Contrast colour yarn pink (medium yarn)	
ES	350g	100g	
S	400g	100g	
M	400g	150g	
L	450g	150g	
EL	450g	200g	

Are the Back and Front knitted the same way?



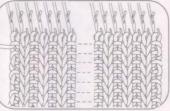
#### 3: KNITTING POINTS

- ★Knit the whole garments in stripes in stocking stitch.
- \*The waistband, neckband and cuffs are knitted in 1×1 rib.
- \*Be sure to place markers where necessary.
- \*Sleeves are shaped by decreasing.



1 Casting on using the ribbing attachment

Cast on 1x1 rib. with the ribbing attachment. Always keep end needles on the main bed.



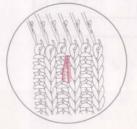
@Bodice

Knit evenly up changing the yarn for the stripes and putting the markers where required.

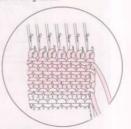
Neckband Knit 1x1 rib



 Markers Put markers at the centre and each end of neck opening.

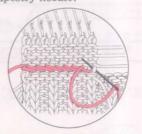


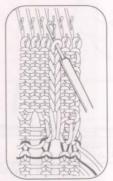
©Waste knitting Stocking stitch using an odd piece of yarn.



@Joining of shoulders using a tapestry needle

After knitting the back and front replace the stitches back onto the machine with right sides together, cast-off using a tapestry needle.





When you are not using the ribber

After waste knitting, knit the required rows in stocking stitch and make reverse on every other needle using a latchet tool as illustrated.

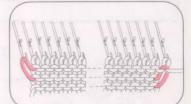
you start knitting keep these points in mind.



OCasting on with the ribbing attachment.

Cast on using the ribbing attachment. Knit the cuff ribbing in 1x1 rib.

Knit from the cuff, working the stripes and increases as necessary.



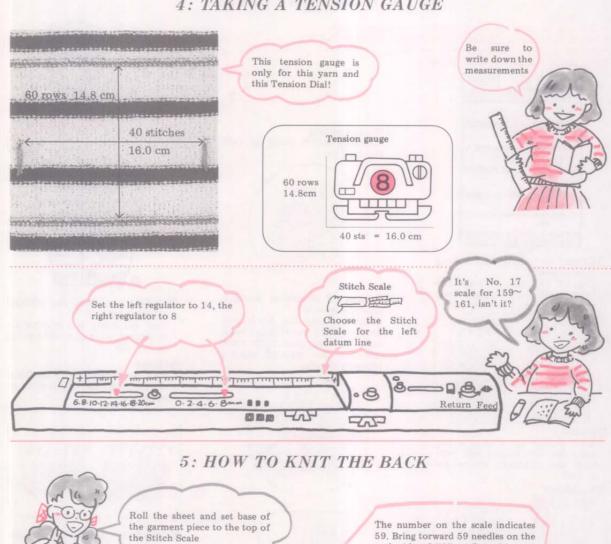
OAttaching sleeves (on the

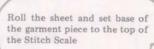
machine)
Pick up the stitches between the armhole markers. Place onto machine right side facing. With facing pick up stitches from top of sleeve and place onto same needles. Undo waste yarn and knit 1 row and bind off.



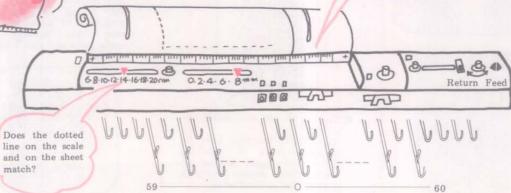


#### 4: TAKING A TENSION GAUGE



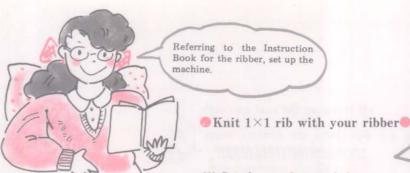


59. Bring torward 59 needles on the each side of "0" to B position on every other needle



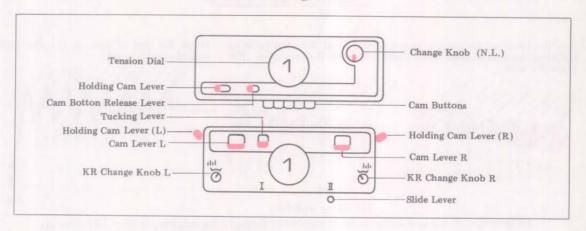
and on the sheet match?

28



Let's use looser Tension Dial in this case

(1) Set the carriage as below



#### (2) Arrange the needles

Adjust the half pitch lever to P.



Set the racking indicator on No. 5.



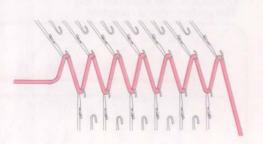
By using the  $1\times1$  needle pusher, arrange the required number of needles on the main bed to B position. Next arrange the needles on the ribber to B position as shown in the figure. (Ensure end needles are on main bed)

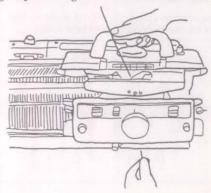


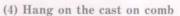
Operate the carriage  $2{\sim}3$  times over the needle bed to align the needles. Place the carriage to the right side.

(3) Cast on for 1×1 rib

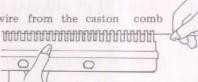
Thread into the yarn feeder. By moving the carriage gently from right to left the needles on each bed will catch the yarn alternately.







1 Remove the wire from the caston comb

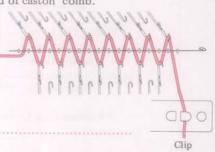


Pass the teeth of the caston comb each side of the yarn crossing between the needle beds being careful to keep it horizontal. Re-place the wire.

Hook the end of yarn in the clip at the end of caston comb.







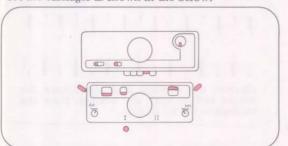
(5) Hang weights

Hang weights in balance using standard number of them. (2 big weights per  $50 \sim 100$  stitches)

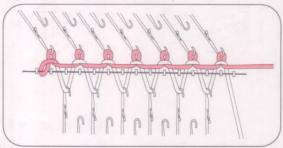


#### (6) Finish the edge by circular knitting

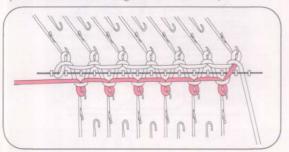
Set the carriages as shown in the below.



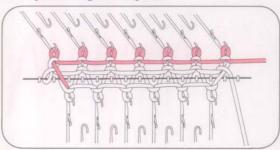
Move the connected carriage from left to right. (Needles on the main bed knit)



Move the connected carriage from right to left. (Needles on the ribbing attachment knit)



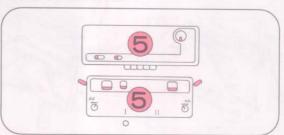
Move the connected carriage from left to right. (Needles on the main bed knit)
The perfect edge is complete.



#### (7) Knit 1×1 rib

Set the Row Counter at 000 and the carriages as shown below. Move the carriage until the Row Counter is 015.

Move the carriage until it passes over all the working needles before you return it, NEVER STOP THE CARRIAGE IN THE MIDDLE OF THE ROW.



#### Transfer the stitches from the ribber to the main bed

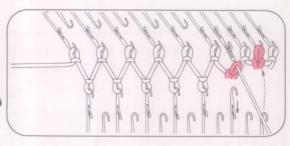
When you transfer the stitches from the ribber to the main bed use a transfer needle (an accessory of the ribber) or the transfer carriage which is sold separately.

#### (1) Transfer needle

Take a stitch on the ribber onto the transfer needle and carefully slide it down to the opposite end and slide it into the hook of the empty needle on the main bed as shown below. Push the empty needles on the ribber to A position.

The transfer needle is an accessory of the ribber!

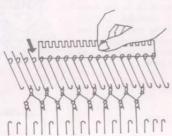
For any one who has the Transfer Carriage, it will be very easy to transfer the stitches to the main bed.



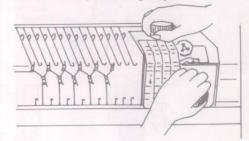
(2) Using the transfer carriage

\*Let's read the instruction book well and transfer the stitches on the ribber to the main bed at one time.

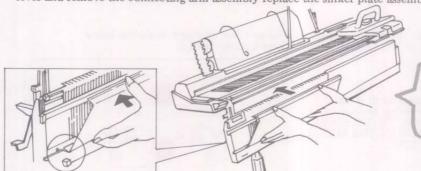
① Push the needles forward to receive the stitches + a few at the right.



© Set the Change Lever of the Transfer Carriage to the lower position and operate it from right to left slowly by pressing it down gently.

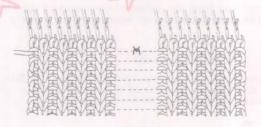


After the stitches on the ribber have been transfered, drop the ribber by using the bracket lever and remove the connecting arm assembly replace the sinker plate assembly.



When 1x1 rib is complete place a marker





How to place the marker

Use the ribber bed cover for

of

your

0

protection

you and

machine.



Pull through

ENSURE THAT YOU HAVE ENOUGH YARN TO COMPLETE THE ROW AND IT DOES NOT RUN OUT IN THE MIDDLE

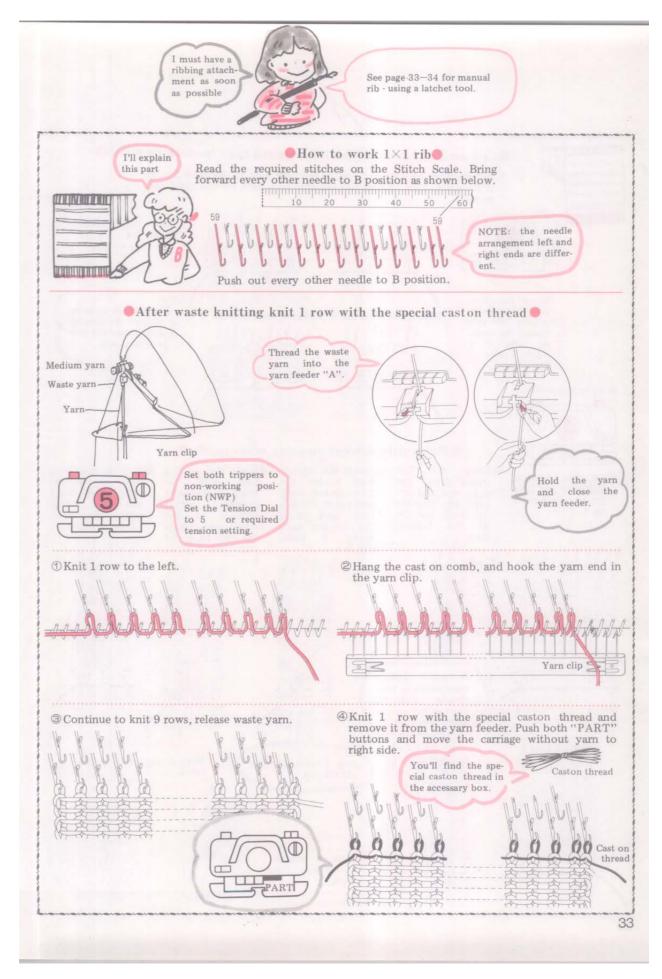
Knot the your ends at the edge of the knitting.



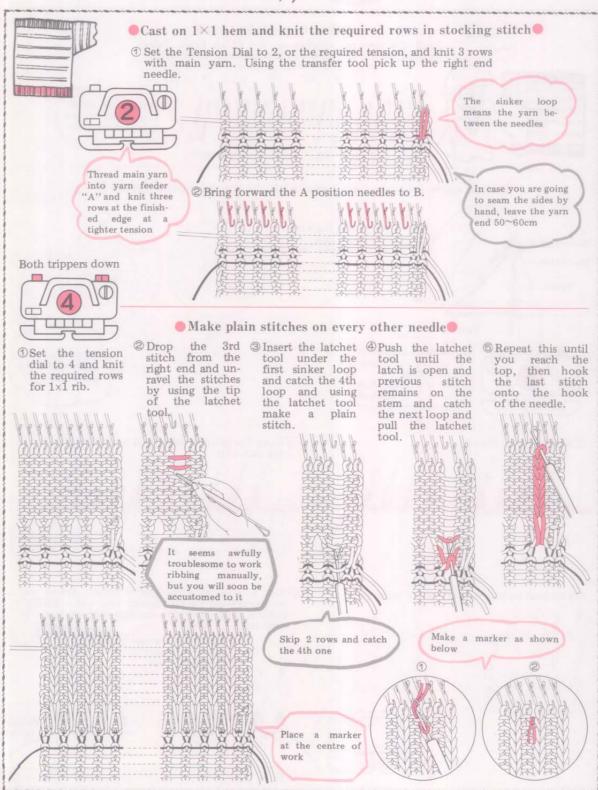


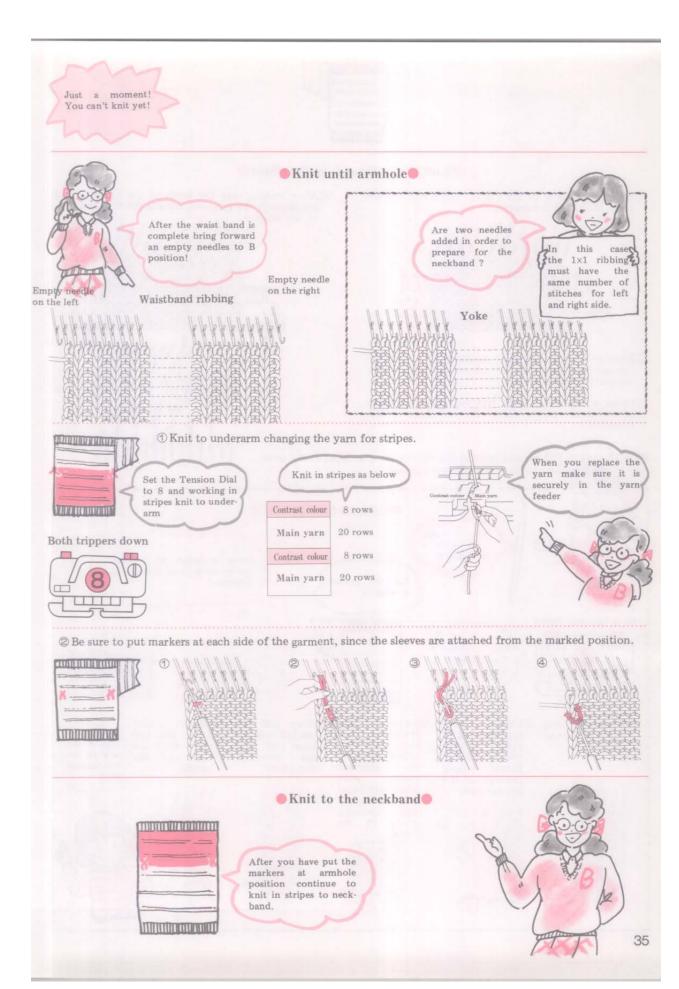
Waste knitting is the term used to describe knitting that will be removed when the garment is completed or to enable you to carry out the next step.







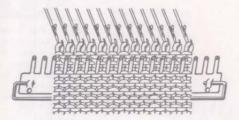






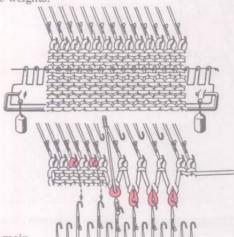
#### • Knit the neckband on the ribber

① Remove the wire of the caston comb and put the teeth through the garment.

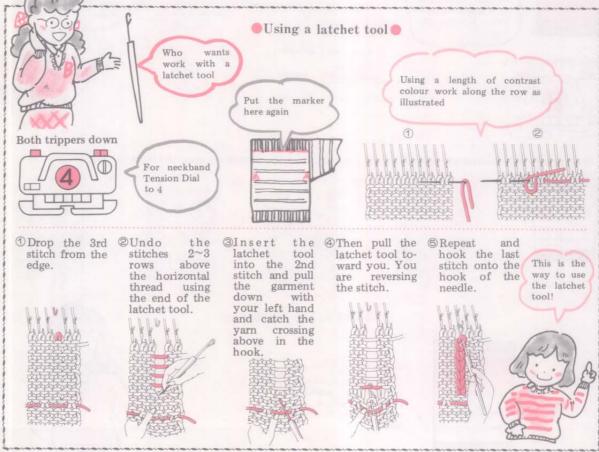


- ③Remove the sinker plate assembly from the Kcarriage and push up the ribber and replace the connecting arm assembly.
- ①Using a transfer needle transfer every alternate stitch to the ribber. Leave the end 2 sts on the main bed.

②After making sure the teeth of the caston comb are through the garment, replace the wire and hang on the weights.



Knit 15 rows in  $1\times1$  rib and transfer the stitches on the ribber to the main bed by the transfer needle or the transfer carriage.

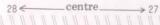


From here onwards both latchet tool and ribber users work together!

Place markers and castoff the stitches using a latchet tool Place a marker at centre and both ends of the neck opening and finish the stitches using a tapestry needle



Put a marker at 28th stitch at left and 27th stitch at the right and at the middle. The same number of stitches must remain for each shoulder.





 How to place the markers at the centre and the ends of neck opening

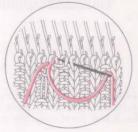




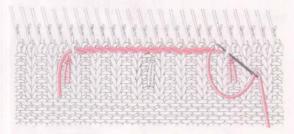
Bind off using a tapestry needle

Allow (3 times of the width of knitting on the machine) to finish off by binding method.

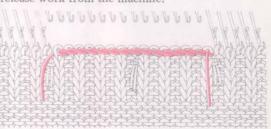




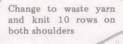
Stitches are still on the needles



Bring forward the needles with the bound stitches to E position, Push them back to A position and release work from the machine.

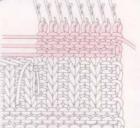


Waste knit and remove both shoulders from machine

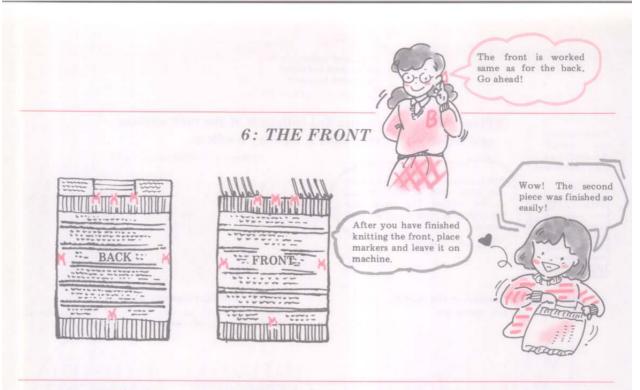




Take yarn out of the yarn feeder. Move the carriage without yarn, and you can remove the knittling from the machine.

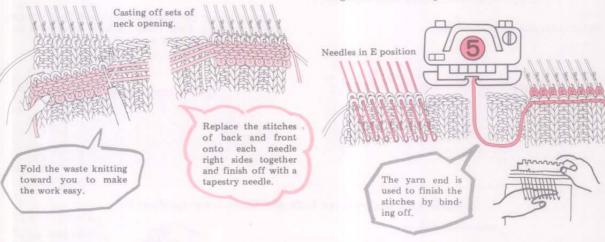






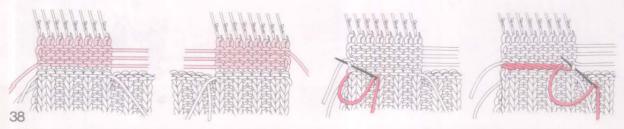
# Join the Front and the Back work each shoulder separately

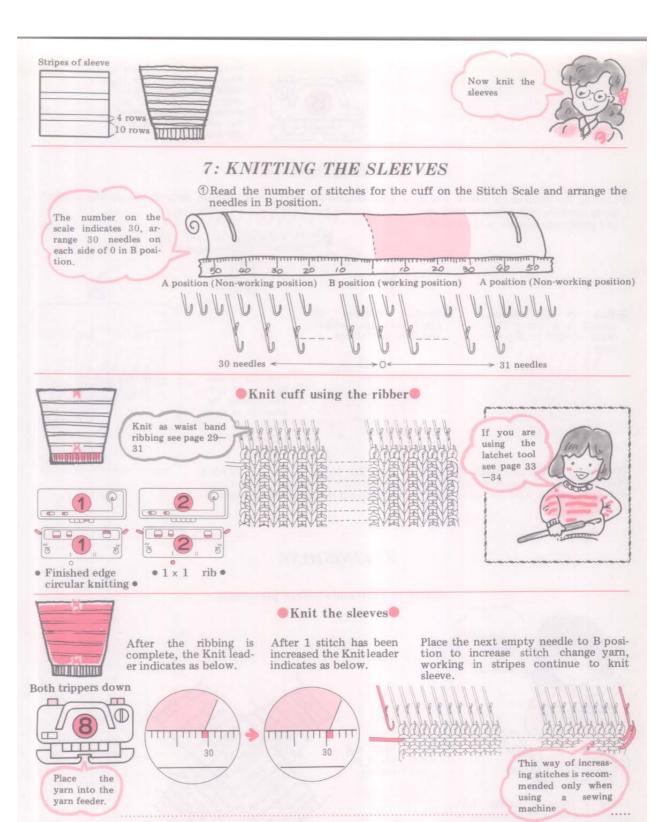
① Folding the waste knitting to the wrong side of the garment, and with right sides together, hook the back and front onto the machine as illustrated. ② After all the stitches have been hooked back, bring forward the needles to E position. (In order to make knitting easy) Knit the right side from the right side. Pull out the yarn from under the carriage and make a loop of about 70 cm.

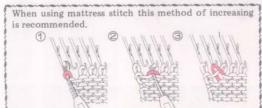


③ Knit 1 row on the left side and cut yarn leaving about 50 cm. Next, knit about 3 rows of waste knitting to make binding off easier.

Finish the stitches on each side binding off and remove them from the machine.







When the sleeve is complete waste knit and remove from machine. Knit the second sleeve in the same way but do not waste knit.





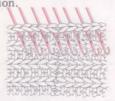
Wow! I've finished knitting! When you knit 1 row to attach a sleeve and you are using the binding off method, it is recommended that you knit the row at a tighter tension

# Attaching the sleeves

①Leaving the needles on which you have been knitted the sleeve in B position, pick up the stitches evenly along armhole edge between markers and place onto needles as illustrated.



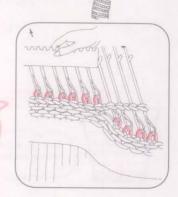
② Pick up the stitches evenly and bring forward needles to E position.



Replace stitches of sleeve back onto needles and close the latches.



Push the needles back to B position holding the garments in your hand



TO MAKE KNITTING THE NEXT ROW EASIER, PUSH NEEDLES INTO E POSITION Knit 1 row from left to right. Cut the yarn leaving an end of 3 times width of garment. Knit 3 rows in waste yarn. Finish off using a tapestry needle.

## 8: FINISHING

Sew in yarn ends before pressing



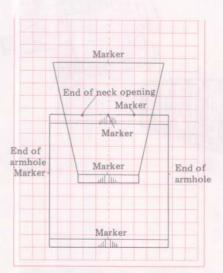
Using a tapestry needle take yarn along the side of knitting as illustrated.



Let's keep the yarn ends of ribbing for sewing

Leave markers they are the

as



## Block and press

## Outensils to have ready

In order to have a well shaped garment press each piece out to the shape of the original pattern.

Let's have ready an iron, pressing table, pins, binding wires from Knit-leader.



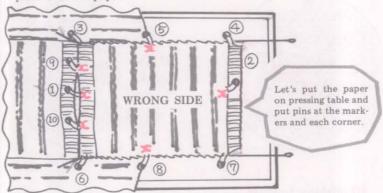
The edges of a garment apt to are stretch slightly, so thread them with the wire as shown then press.

Sew Winding manner

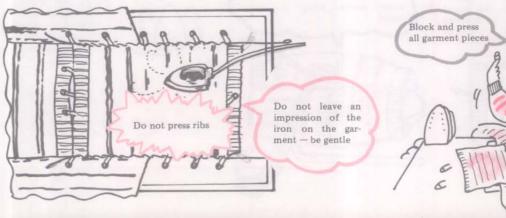


Trace the pattern on a paper.

① Place the paper onto the table and pin the garment piece onto the paper.



2 Place pins at intervals of 10-15cm, and press avoiding the ribs.







Be careful to match the stripes when you sew the sides and sleeves

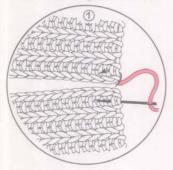


When using a sewing machine, place right sides together and thread the binding wire evenly along the edge. Us-ing a sewing thread baste into position, then you are ready for the sewing machine.



#### Sewing by hand

①Thread a tapestry needle and sew as the diagram below.



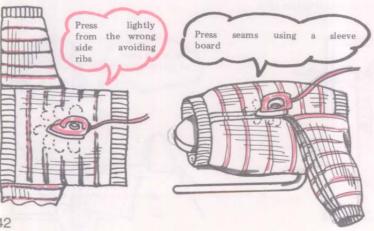
When you sew side and sleeve seams by hand, start from the waistband and work up to the



When you sew underarm sew as illustrated.



# Finishing touch





Turn over to the right side and give finishing touch

Don't put it on yet You have towaitil it is cool!

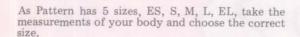
# Step 2

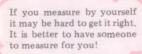




# A-LINE SKIRT

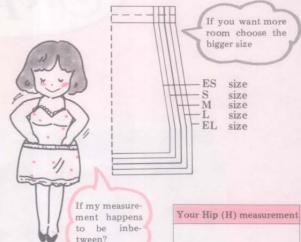
I want to make a skirt!





Choose the pattern by the hip measurement





#### Body measurements chart unit=cm

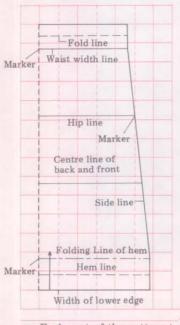
Decide the size of the pattern referring to your body measurement

	Size	Waist	Hip
Г	ES	60	86- 91
Г	S	65	91 - 96
Г	M	70	96-101
	L	75	101-106
Г	EL	80	106-111

Decide how long you want your skirt

# 1: TRACING THE PATTERN ON THE SHEET

# 2: THINGS YOU WILL NEED



Be sure to place a marker on each part as they are necessary when you sew up



Approx Quantity of yarn used Thread

	(Cilit
Size	Main yarn (boucle)
ES	400g
S	400g
M	450g
L	500g
EL	500g
L	500g

Insert your two fingers into the yarn ball and take the end from inside and pull. Then the yarn will come out smoothly or use a wool winder



Finer yarn for seamin

Let's have a piece of elastic for waist measurement +5 cm in length and 2.5 cm width a different colour yarn for waste knitting and a medium fine yarn in similar colour for seaming.

44 Each part of the pattern traced on the sheet.

The front and back are exactly the same

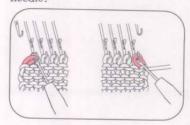
# 0.07

# 3: KNITTING POINTS

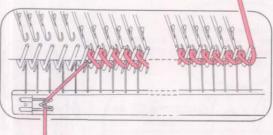
- $\star$  The skirt is in stocking stitch and the wrong side used as the right side.
- \* Pull elastic through the waistband.
- \* Remember to place markers.



Shaping of sides transfer the end stitch to the adjacent inside needle.



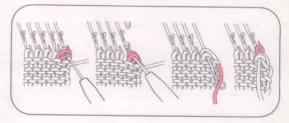
① Cast on — Cast on using 'e' wrap method.



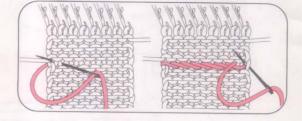
- © For under side of hem, knit one whole tension tighter than main garment.
- 3 Marker Put markers at the fold line of hem



- Smarker Put markers at the hem line where waistband is folded, sewn on, and the centre.
- © At the waist line decrease 2 stitches for seam allowance when using a sewing machine.



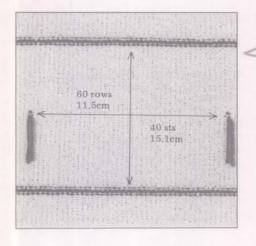
Tapestry needle
Bind off using a tapestry needle. It's easy.



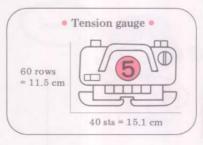


Take the tension gauge carefully since each machine has its own tension.

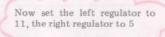
# 4: TAKING A TENSION GAUGE



This tension gauge is only for this knitting machine and this yarn







I'll choose the Stitch Scale with the datum line "0" at the left

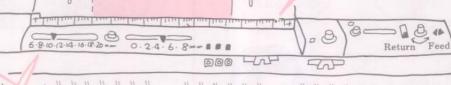
I've choosen 150-152 Scale No, 16





Roll the sheet and set base line of pattern piece to the Stitch Scale

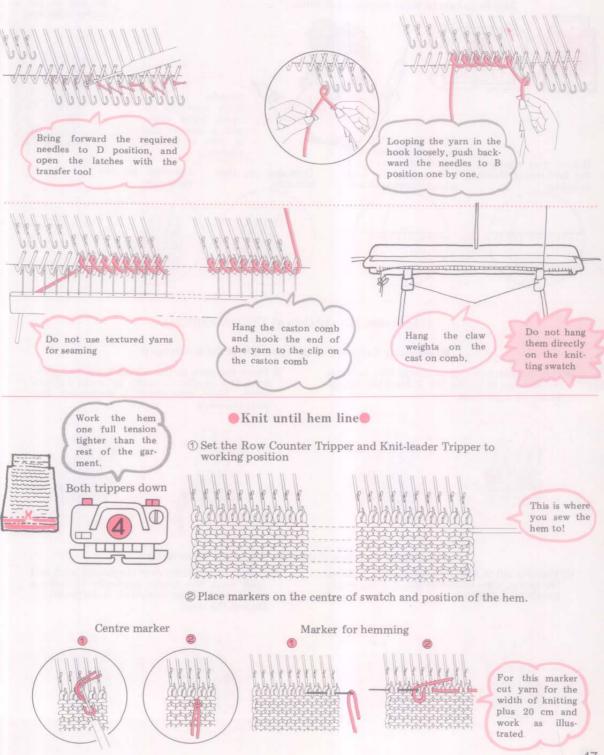
The number on the Scale indicates 77, Bring forward 77 needles on the side of "0"



Ensure that the centre line of the pattern pieces matches the centre line of the Stitch Scale.



#### 5: SKIRT BACK





You can hold the transfer tool either way—see instruction manual

How to hold the transfer tool

#### Shape sides by decreases

Knit from hem to waist decreaisng at sides.

is decreased the Knit-

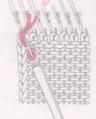
Be sure to put a marker at hip line







Transfer the end stitch onto the adjacent inside needle with a transfer tool in order to decrease a stitch



Before you decrease the knit-leader shows as below.



Decrease on the left side.



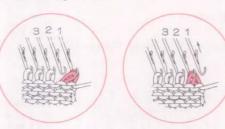
Decrease on the right side,



#### Decrease the stitches at the waistline

#### • Decreasing 2 stitches at the same side of the K carriage •

Transfer stitch No. 2 to needle No. 1, Move two stitches to needle No. 2, Push the empty needle to A position.



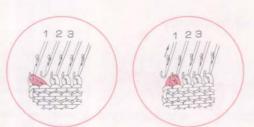
Place the yarn in the needle hook and push back the needle manually to make a single stitch. Now, one stitch is decreased. Repeat the steps.





#### • Decreasing 2 stitches at opposite side of the K carriage •

① Transfer stitch No. 2 to needle No. 1. Move the two stitches to needle No. 2. Push empty needle to A position.



② Pass the end stitch over the needle latch and push back the needle manually to make a single stitch. Now, one stitch is decreased. Repeat the steps.







binding

the

off with a tapestry needle, re-

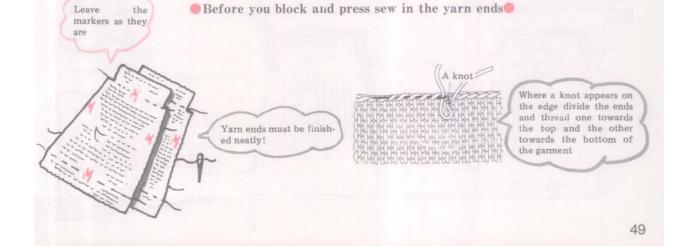
move the skirt

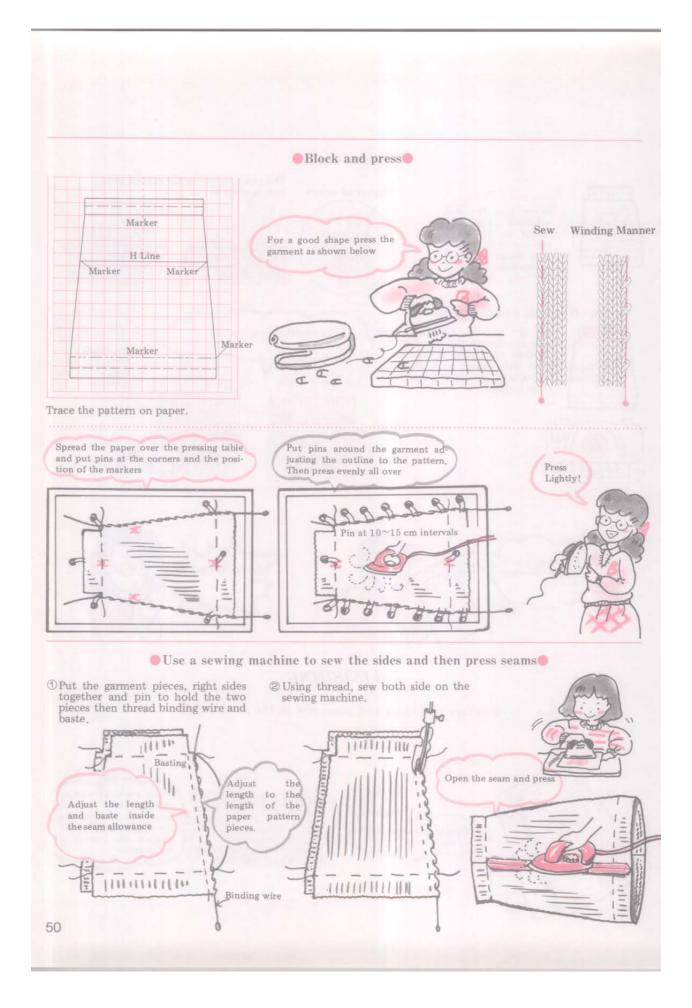
After

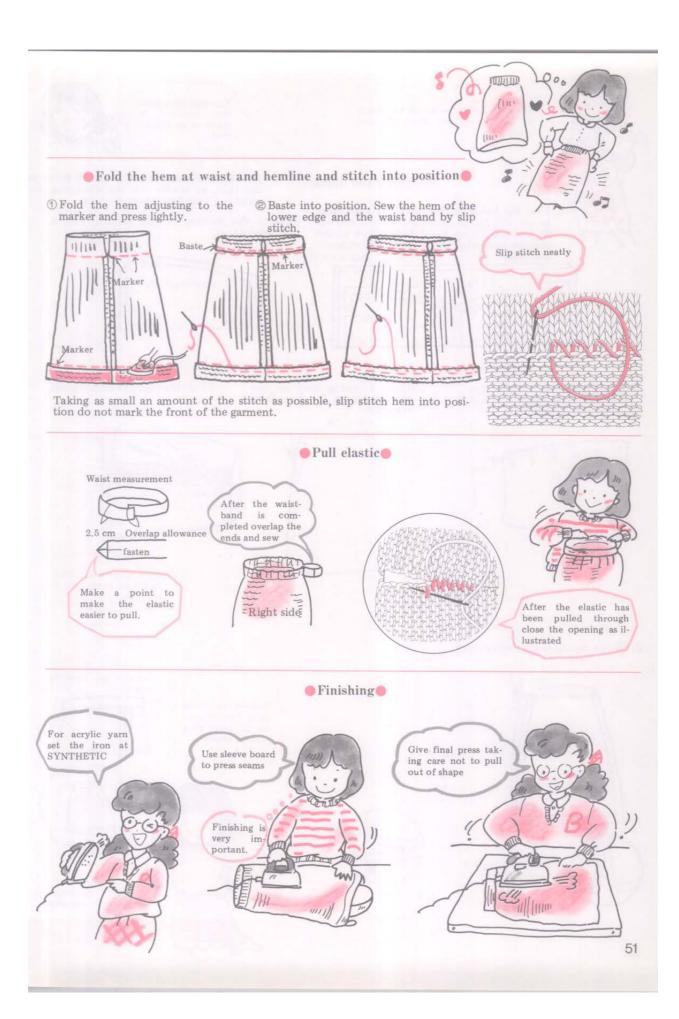
from

machine











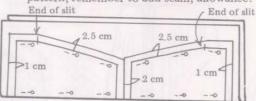
Have the lining for double the length of skirt plus 5 cm (about 130 cm) ready!

You may use a petticoat available in stores as an alternative!



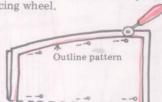
# Making the lining

• Fold the lining double with the right sides facing. Put the pattern paper over it and pin it. Cut the lining along the outline of the pattern, remember to add seam, allowance!

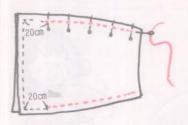


NOTE: The lining is not a stretch fabric as the skirt, so ensure that the waist measure-ment is a little larger than the hips.

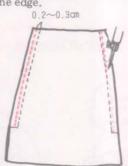
②Make the outline of the pattern with a tracing wheel.



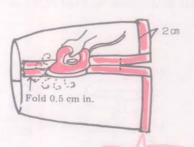
③Place the two pieces together with right sides facing. Pin and baste to the opening.



4Using a sewing machine, sew the side seams, 2-3 cm from the edge.



6 Fold the seams twice and press.



With lower edge, first fold 1 cm press, then 2 cm press

6 Using a zig-zag stitch neaten seams.

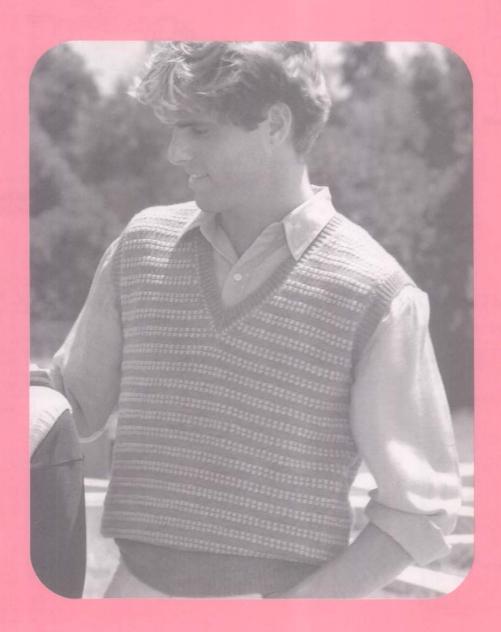








# Step 3





# MAN'S SLIPOVER

I want a slipover too!



There are 5 sizes. Select the pattern based upon the chest measurement

The person I am going to knit it for has the measurement between M and L ?





Body measurement (Unit cm)

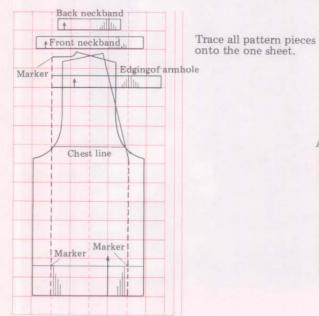
After you have selected the size, trace it on the sheet	
---	--

Size	Chest
S	91 - 96
M	96 - 101
Lı	101-106
L <sub>2</sub>	106~111
La	111-116

The Measurement you have selected

Chest	Full length at back	
cm	cm	

## 1: TRACING THE PATTERN ON THE SHEET



Each part is traced on the same sheet.

# 2: THINGS YOU WILL NEED



Insert your fingers into the centre of yarn ball and pull the yarn out. The yarn come out smoothly, or use a wool winder

Approx yarn amounts for man's slipover

Size	Main Colour	Contrast
S	400g	150g
М	450g	150g
Li	450g	150g
$L_2$	500g	200g
L <sub>3</sub>	500g	200g



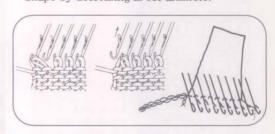
In addition to the above have some yarn in contrast colour for waste knitting.



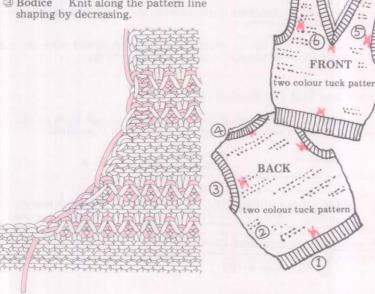
# 3: KNITTING POINTS

\* Let's knit the slipover in two colours using tuck stitch

- ① Waist band Knit in 1 x 1 ribbing
- © Front neck opening Shape by decreasing as for armhole.



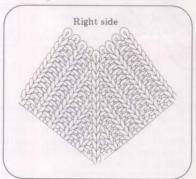
- ② Armhole Knit in two color tuck stitch pattern using punch card patterning.
- Bodice Knit along the pattern line shaping by decreasing. 3 Bodice



© The point of V-neck A...Knit in  $1 \times 1$  rib.

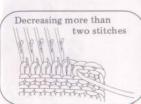


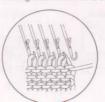
B ... Shape V-point by placing 3 sts together on the one needle.



 Shoulder and the neck opening Shape by decreasing.

Decreasing one stitch at a time





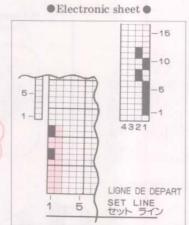


As we've got to make a tension swatch in two colour tuck pattern, let's ready for it.

#### 4: MAKING A TENSION SWATCH

Make a punch card or a electronic sheet

Change the yarn according to the numbers on the left side of the card,



As the detailed explanations for how to set the punch card or the sheet is given in your instruction manual, read it well.

● Programme ●

As electronic machines are different from the punch card machines, only a single pattern is required.

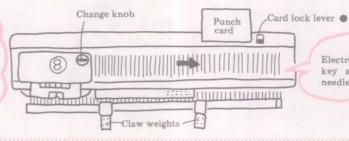
 The card is fed by the operation of the carriage and when the mark appears in the window, change the yarn accordingly.

#### Set the card and knit the tension swatch

① Set the punch card or the electronic sheet to your machine. Set the change knob to KC, the card lock lever to ● with the main yarn. All the needles are lined in D position.

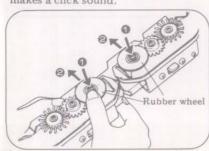


Set the Tension Dial to 8 and knit about 10 rows in stocking and place the carriage on the left side.

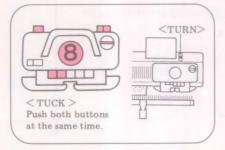


Electronic! Push CF key and select the needles

© Remove the sinker plate assembly from the carriage and place the rubber wheels by pushing the screw head (1) and then pushing it in the direction of the arrow (2) until it makes a click sound.



⑤ Push the both "TUCK" buttons at the same time. Punch card machines set the card lock lever to
▼.

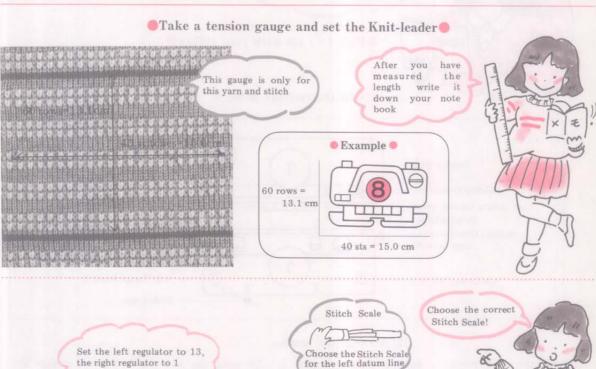


Move the carriage in exactly the same way as for stocking stitch.





5.8-10-12 - 14-16-18.20 cm



# 5: HOW TO KNIT THE BACK

42

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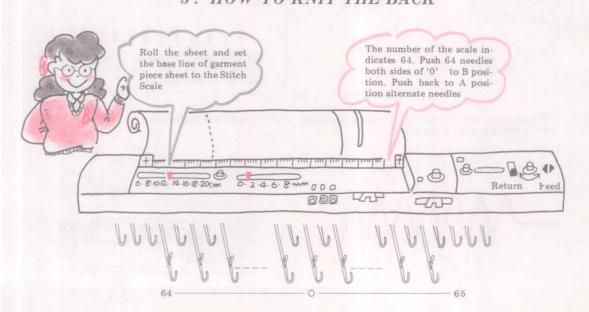
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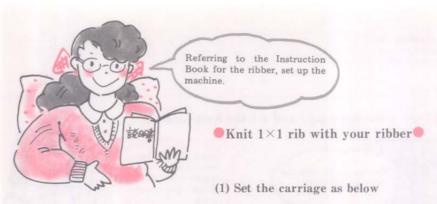
08

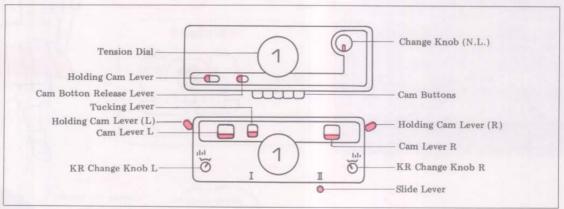
42

- B. B.

Return

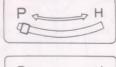






#### (2) Arrange the needles

Adjust the half pitch lever to P.





Set the racking indicator on No. 5.



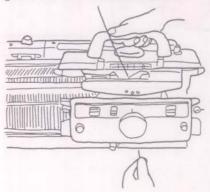
By using the  $1\times1$  needle pusher, arrange the required number of needles on the main bed to B position. Next arrange the needles on the ribber to B position as shown in the figure. (Ensure end needles are on main bed)

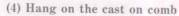
Operate the carriage  $2{\sim}3$  times over the needle bed to align the needles. Place the carriage to the right side.

(3) Cast on for 1×1 rib

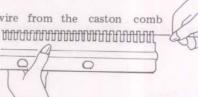
Thread the yarn. By moving the carriage gently from right to left the needles on each bed will catch the yarn alternately.





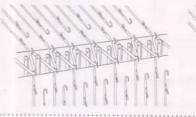


1 Remove the wire from the caston comb

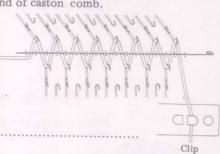


Pass the teeth of the caston comb each side of the yarn crossing between the needle beds being careful to keep it horizontal. Replace the wire.

Hook the end of yarn in the clip at the end of caston comb.







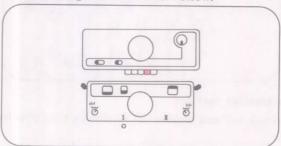
(5) Hang weights

Hang weights in balance using standard number of them. (2 big weights per  $50\sim100$  stitches) Ensure that the caston comb is kept horizontal.

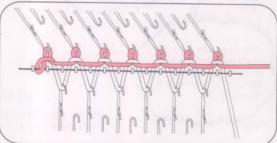


# (6) Finish the edge by circular knitting

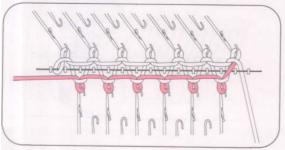
Set the carriages as shown in the below.



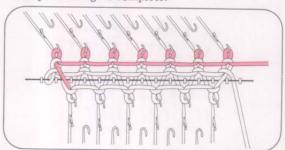
Move the connected carriage from left to right. (Needles on the main bed knit)



Move the connected carriage from right to left. (Needles on the ribbing attachment knit)



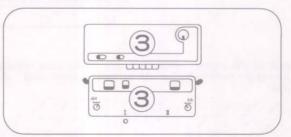
Move the connected carriage from left to right. (Needles on the main bed knit)
The perfect edge is complete.



#### (7) Knit 1×1 rib

Set the Row Counter at 000 and the carriages as shown below. Move the carriage until the Row Counter is 015.

Move the carriage until it passes over all the working needles before you return it, NEVER STOP THE CARRIAGE IN THE MIDDLE OF THE ROW.



# Transfer the stitches from the ribber to the main bed

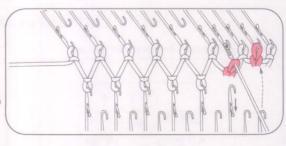
When you transfer the stitches from the ribber to the main bed use a transfer needle (an accessory of the ribber) or the transfer carriage which is sold separately.

## (1) Using the transfer needle

Take a stitch on the ribber onto the transfer needle and carefully slide it down to the opposite end and slide it into the hook of the empty needle on the main bed as shown below. Push the empty needles on the ribber to A position.

The transfer needle is an accessory of the ribber!

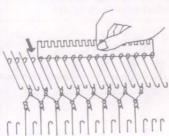
For any one who has the Transfer Carriage, it will be very easy to transfer the stitches to the main bed.



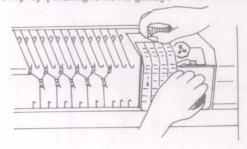
(2) Using the transfer carriage

\*Let's read the instruction book well and transfer the stitches on the ribber to the main bed at once.

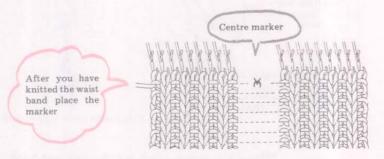
① Push the needles forward to receive the stitches + a few at the right.



© Set the Change Lever of the Transfer Carriage to the lower position and operate it from right to left slowly by pressing it down gently.



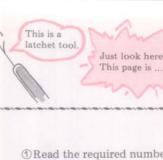






Ensure that you have enough yarn to complete the row and it does not run out in the middle.







This part is waste knitting, isn't it?

# OUsing a latchet tool

① Read the required number of stitches on the stitch scale. Bring forward every other needle to B position as the below figure.



#### • Knit waste knitting and I row with caston thread



Thread the waste yarn into the yarn feeder "A". (FA).







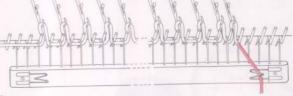
Close the Yarn Feeder Lever as illustrated.

①Knit 1 row to the left.



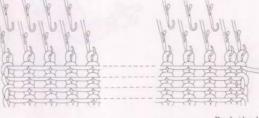
Set the both trippers to non-working position Tension Dial  $6^{1/3}$ .

② Hang the caston comb into the yarn and hook the end of yarn under the qlip. \| \| \| \| \|

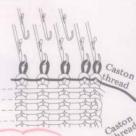


3 Knit 9 rows.

Meters of the first state o



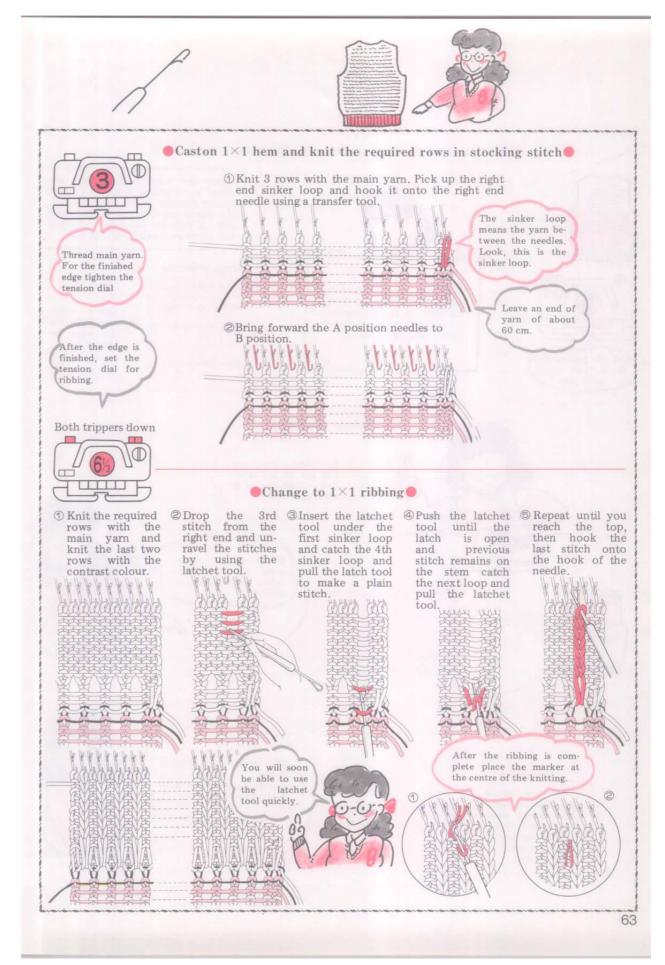
0000



Push the both "PART" buttons

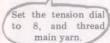


You will find it in the accessory box.



# • Knit to armhole shaping changing the yarn accordingly







Now you have finished the ribbing, and you are going to knit to the underarm, work tuck punch card just as the tension swatch.

Since the explanations here are given for knitting without using a colour changer (KHC 820) for KH, the yarns are changed at the right side. If you use the colour changer the yarns are changed at the left.

#### Stripe sequence

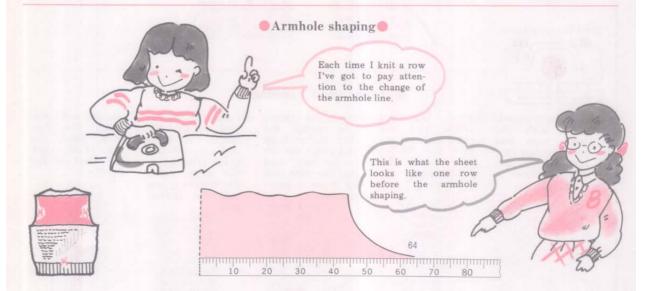
Contrast Colour 2 rows

Main Yarn 2 rows

Contrast Colour 2 rows

Main Yarn 6 rows

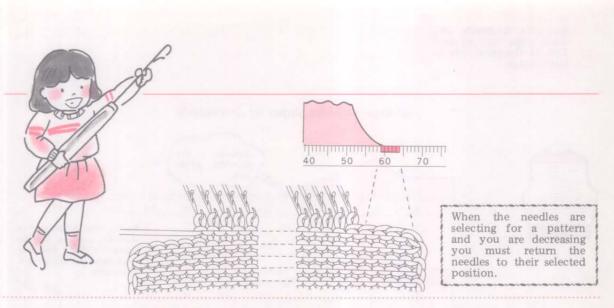
Knit to underarm following the stripe sequence



I row was knitted and the Knit-Leader sheet moved down so the part of the garment up to the armhole can no longer be seen. The side has dropped below scale.

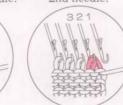
The part disappeared is to be decreased or cast off.





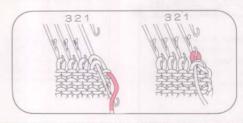
#### Decreasing more than 2 stitches (at the side of the carriage)

① Transfer the 2nd ②Move in the two stitch from the end stitches back to the to the end needle.



Bring forward the needle to E position. Place the yarn in the needle hook and push back the needle manually to make a single stitch.

ly to make a single stitch. Repeat these operations until the desired number of stitches are decreased.

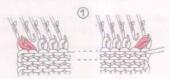


Each time you knit one row read the curve line on the Stitch Scale and decrease as necessary.



#### Decreasing 1 stitch

As the Stitch Scale shows a decrease, remember to decrease at both ends of the work —WHEN BOTH SIDES ARE THE SAME SHAPE.





# Armhole shaping completed





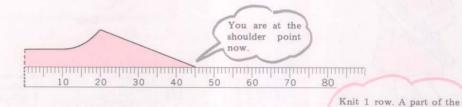
Put the markers at the marked position and continue knitting up the armhole edge



Shoulder decreases and neck edge are worked first at the same side as the carriage.

# Shape shoulder slopes by decreases



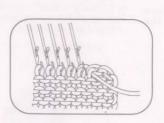


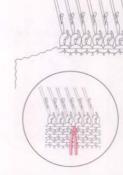
below the Scale. Decrease the number of stitches not now visible.

10 20 30 40 50 60 70 80



Decrease the stitches at the shoulder in the same way as for more than 2 stitches at the armholes.





When you have knitted to neck line, put a marker at the centre.

shoulder line has moved

# Shape the neck line and shoulder



Cam Lever to H.

#### Keep looking at the card!

Remember to note the position of the card so you can match up the stitch pattern on both sides of the neck.

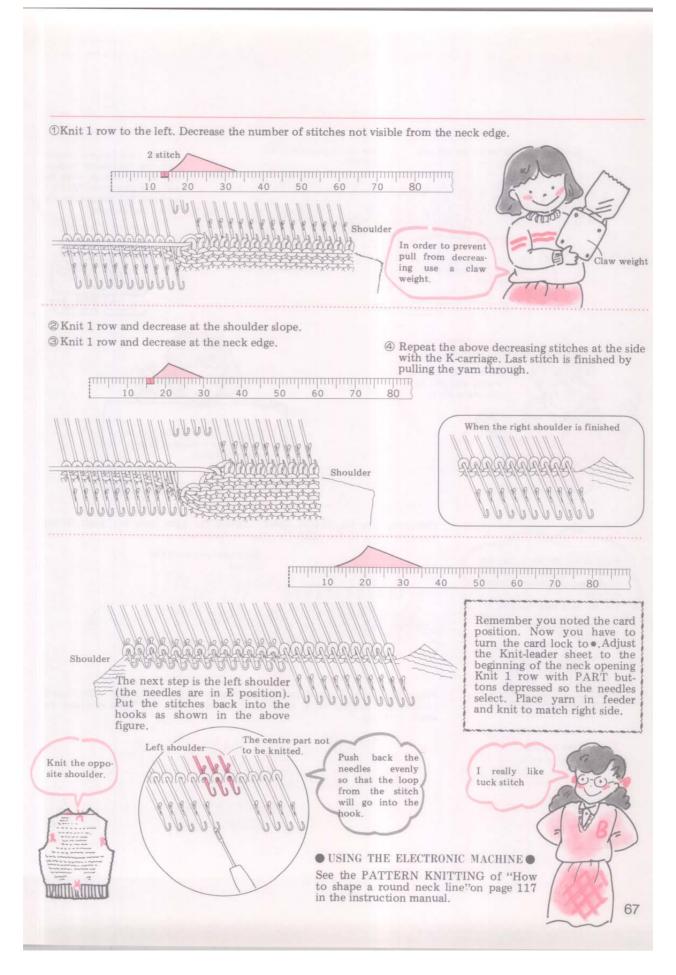
Needles for back neck and left side of work are placed in E position. As the yarn is changed every 2 rows on the right side, start knitting from the right shoulder.

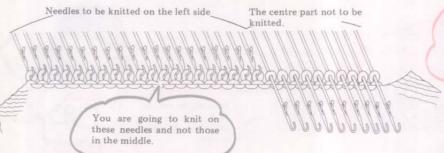
10 20 30 40 50 60 70 80



Back neck and left shoulder needles are in holding or E position.

In some cases the needles are not necessarily arranged as shown above as pattern rows will have needles selected into D position.





Set the Row Counter tripper and the Knit-leader tripper up, set the change knob to KC, and push both "PART" buttons. The carriage should be on the right side.





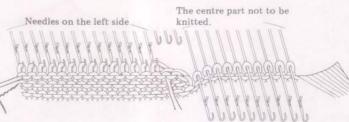


Push down the Row Counter tripper and the Knit-leader tripper and push both "TUCK" buttons.

Set the card lock lever to \



Work the left side to match right side. Following the Knit-leader sheet. Thread the yarn into the yarn feeder and knit 1 row to the right. Decrease as necessary.



From here it is knitted exactly the same as for right side. The centre needles are pushed back to D position and removed from machine by waste knitting.



# 6: HOW TO KNIT THE FRONT



any one wants to knit V-neck moving the stitches read this side

If you are going to the sewing machine for sewing up at the V-neck. there is no need to add a needle for seam allowance.

#### • WORK THE V-NECK •

(Three stitches together centre on top) After you have finished waist band add an empty needle to have an odd number (The middle stitch is used make the point of V-neck opening.

Add an empty needle here





# Waste knitting

From the neck opening point as left and right sides are knitted separately, take off the left side of work by waste knitting.

When you get to the point where the front divides remember to make a note of the card position

Set both trippers to non-working position, the holding cam lever to H, and the change knob to N.L.

Release the cam buttons or so set to normal.

Change to waste yarn, knit about 10 rows and remove waste yarn from carriage, knit 1 row, waste yarn is released from the needle

Let's place the needles for right neck opening and shoulder in E position and waste knit the left side.



I row of waste knitting has been knit.

• Knit the right side first



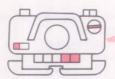
As we have drawn only half a garment pattern piece, work the left side to match the right side but use the same drawing on Knit-leader sheet.

80 70 60 50 40 30 20 10

Push back the nee dles in E position to B position using a transfer tool. You have to do as it is knitted in stitch pattern,



69



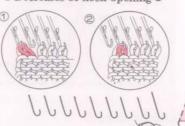
Release Holding Cam and depress both PART buttons. Leave the card lock lever as it is. If you are using an electronic machine, push the "0" numeral key and CR key for needle selection



Both trippers down



Decreases of neck opening



Fr

Waste knitting

When the V-point is shaped with three stitches together take the middle stitch off with waste yarn.

Armhole is shaped by decreasing as for the back. Front neck opening is shaped by decreases as illustrated.

Sheet

80 70 60 50 40 30 20 10

Shoulder slope is shaped by decreases as for the back.

• Knitting the left side



Replace stitches from waste knitting back onto their needles

from you.

9 70 60 50 40 30 20 10

How to adjust the feeding sheet dial

By turning the Dial return the sheet to the position before neck shaping began. Turn more than is needed to start with then adjust to the correct position.

> Return the sheet to the mark.

After all the stitches are back, undo the waste knitting and work in the same way as the right side reversing shapings.

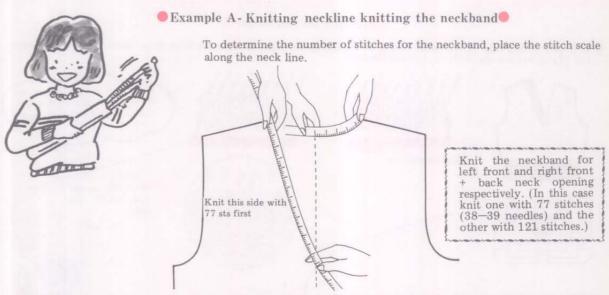
When you pick up the stitches fold the waste knitting away

centre front

Right side which is finished knitting.

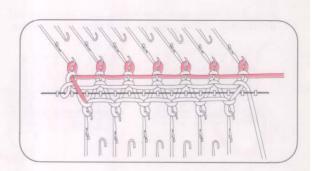
If you are going to use the sewing machine you do not take this stitch for seam allowance.

70



With the number of stitches as indicated on the Stitch Scale (38-39 needles) cast on as  $1 \times 1$  rib. The neckband is attached with the right side facing so work finished edge of 2 rounds referring to pages 29—30 "Finished edge by  $1\frac{1}{2}$  rounds".

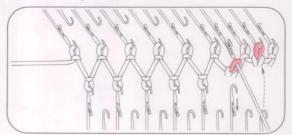


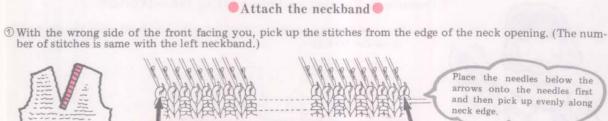


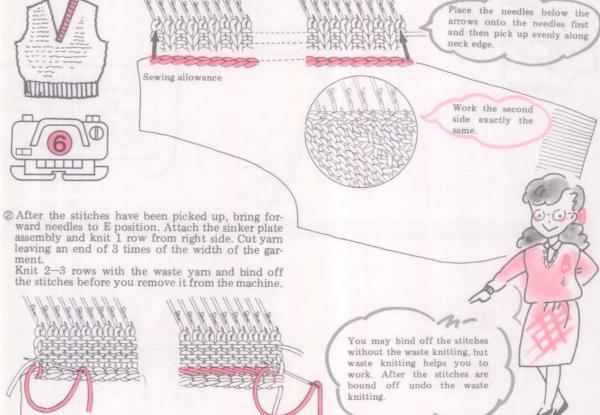
① Set the carriages as shown below and knit 9 rows in 1x1 rib. Knit 2 rows with the contrast colour yarn.



©Transfer the stitches on the ribber (KR) to the main bed (KH) as shown below. Push down the bracket levers of KR and the ribber will drop. Change to the sinker plate assembly of KH. Now you are ready to attach the neckband.

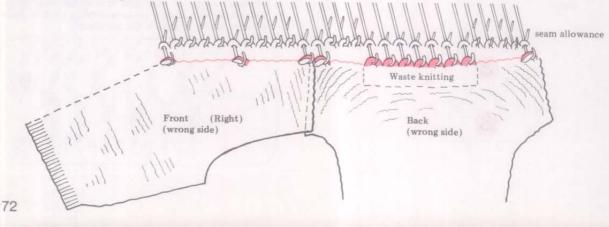


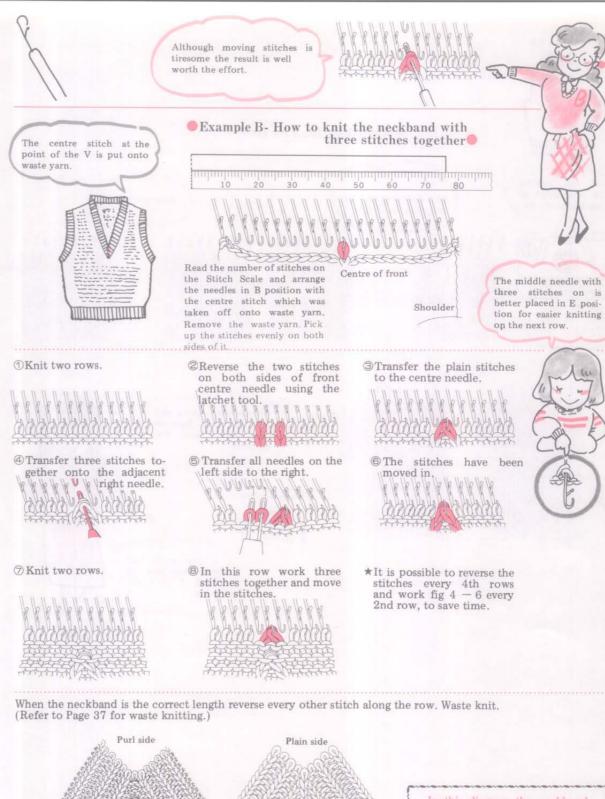


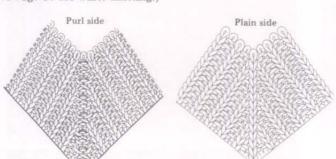


•Knit the neckband for the front and back neck opening and attach it to the bodice

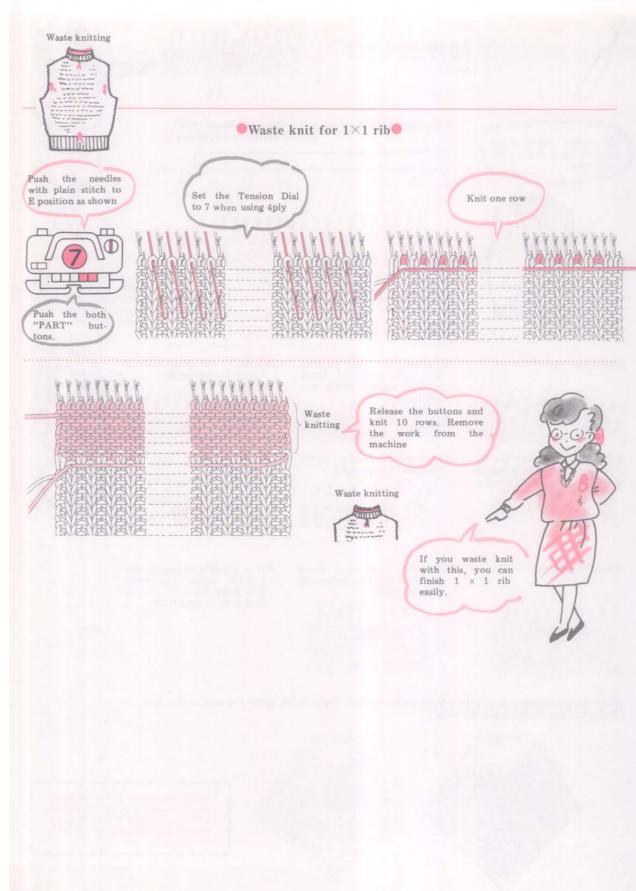
This is the neckband for the front and back neck opening in 1×1 rib exactly as for left side and attach it to Back and Front as the diagram.

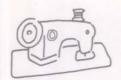






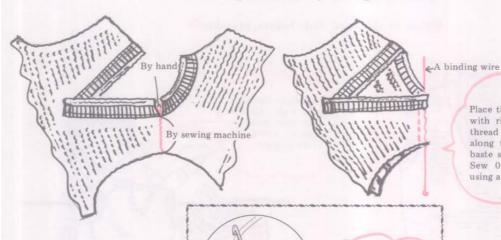
In this diagram the neckband is knitted in 13 rows. However, when you want it narrower or wider, you should make it 9 rows or 17 rows.







#### Joining shoulders by sewing machine



Place the shoulders together with right sides facing and thread the binding wire along the seam edge. Then baste securely into position Sew 0.5cm from the edge using a sewing machine.



single crochet, do it this way!



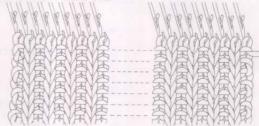
#### 7: HOW TO KNIT THE ARMBANDS

Knit 9 rows in the main yarn and 2 rows in the contrast colour. Then transfer the stitches on the ribber to the main bed.

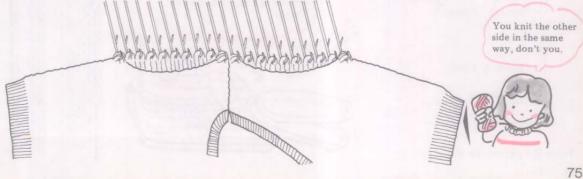
When you choose



Using the Stitch Scale determine the number of stitches for the armhole and arrange the required needles in B position as for neckband.



As for neckband hang the stitches of armhole on the needles. Push the needles to E position and knit 1 row. Knit 2—3 rows with waste yarn. Bind off the stitches and remove from the machine.



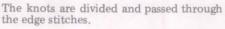
#### 8: FINISHING

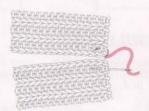
Sew in the yarn ends before pressing

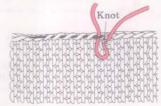


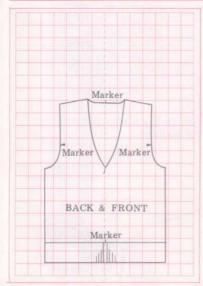
I've got to finish the yarn ends. All the yarn ends must be sewn on wrong side of the garment.

As the yarn ends of the ribbed parts are used for sewing leave them.









Trace the pattern on the sheet

#### Press before finishing

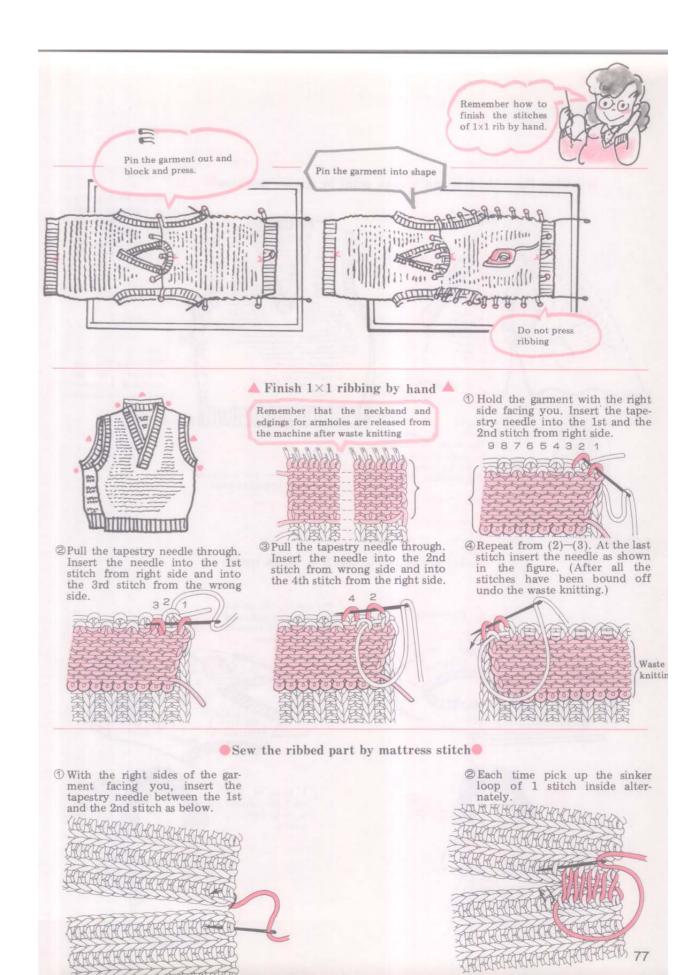
#### Utencils used

In order to give the garment a good shape press it fitting it to the outline of the pattern piece.

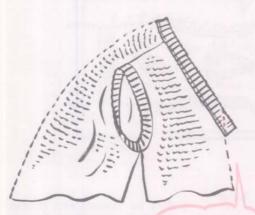
Sometimes the edges of a garment stretch, so thread the wires through the edges adjust to correct length and press.







#### Sewing the underarm and V-neck point by sewing machine



Fold the front bodice at the centre line and firmly baste around the part to be sewn by sewing machine. Then sew it.



Insert the binding wire along edge and baste then sew between the binding wire and basting by sewing machine. You may sew it by hand, too.

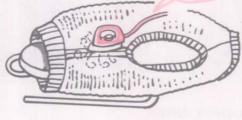
Make sure the measurement of the underarm is correct and has not stretched.

binding wire

Sew the waistband ribbing by hand

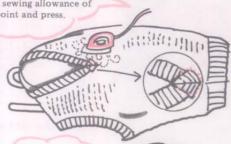
#### Give the finishing touch by steam iron

Press seams





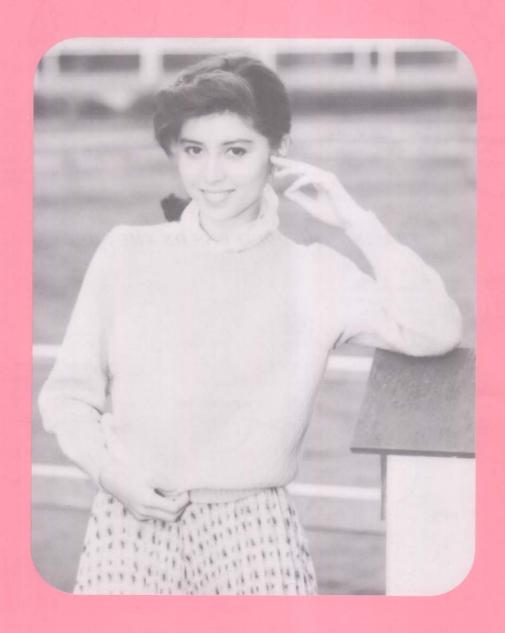
Put the slipover on the pressing table and open the sewing allowance of V-point and press.



I have to wait until the garment is cool before I wear it.



# Step 4





### Step 4 LADY'S SET IN SLEEVE SWEATER



There are 5 sizes. Select your pattern based upon your bust (B) measurement.



#### BODY MEASUREMENT

Select your size based on your body measurements.

	Size	Bust
Г	ES	81-86
	S	86-91
	M	91-96
r	L	96-101
	EL	101-106

#### Your measurements

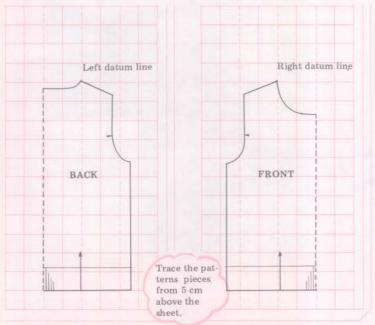
BUST	BODY LENGTH	SLEEVE
cm	cm	cm

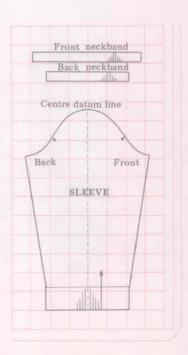
Write down the measurement you have taken.

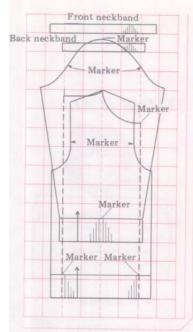
#### 1: TRACING THE PATTERNS ON THE SHEET



Trace the pattern you have selected on the sheet.







Each part is traced on one sheet.

#### 2: THINGS YOU WILL NEED

Quantity of yarn Unit=g

Size	4ply
ES	400
S	400
M	450
L	500
EL	500

Insert your finger tips into the yarn ball and pull the yarn out from the centre. The yarn will come out smoothly, or use a yool winder.



Remember to have some waste yarn.



3: KNITTING POINTS

\*Knit the whole garment in fine lace pattern and use the right side.

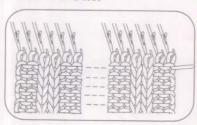
Remember to place the markers as a guide when

sewing up.

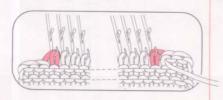
- ★Knit the lower edge, cuffs and neckband in 2x2 rib.
- \*Place a marker at the position marked.

#### BACK/FRONT

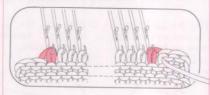
Waistband ribbing Knit in 2x2 rib.



- Bodice
   Work in fine-lace to armhole shaping.
- Armhole shaping Shape the armhole by decreases.



Shoulder shaping and neck opening
 Shape by decreases.



Seckband
Pick up stitches from the neckline of front and back at one time and knit in 2x2 rib double the finished length.

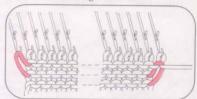


Back and Front

O Cuff Knit in 2x2 rib.

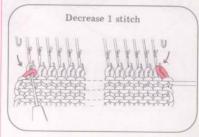
Sleeve Knit increasing stitches.

4

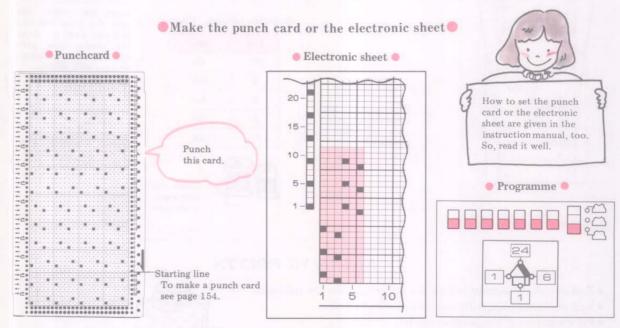


Sleeve

Sleeve head Shape by decreases.



#### 4: TAKING THE TENSION AND SETTING THE STITCH SCALE



Use the L-carriage and follow the arrows.

The electronic machine is different from the punch card system

- ..... Operate the L-carriage from right to left.
- → ······ Operate the L-carriage from left to right.
- Then operate the L-carriage.
- draw one pattern repeat only using the marking pen (included)

 When the L-carriage is operated the sheet moves down accordingly when ■ appears in the L-window, operate the K-carriage.

#### L-carriage and the extension rails

- ① Insert the extension rail into the holes with the shaped up side.
- 2 Push the release button of the L-carriage toward the arrow index and remove it from the case.
- Pull up the L-carriage Apull the release button toward the toward you and place it arrow index.
  - toward you and place it on the extension rail.

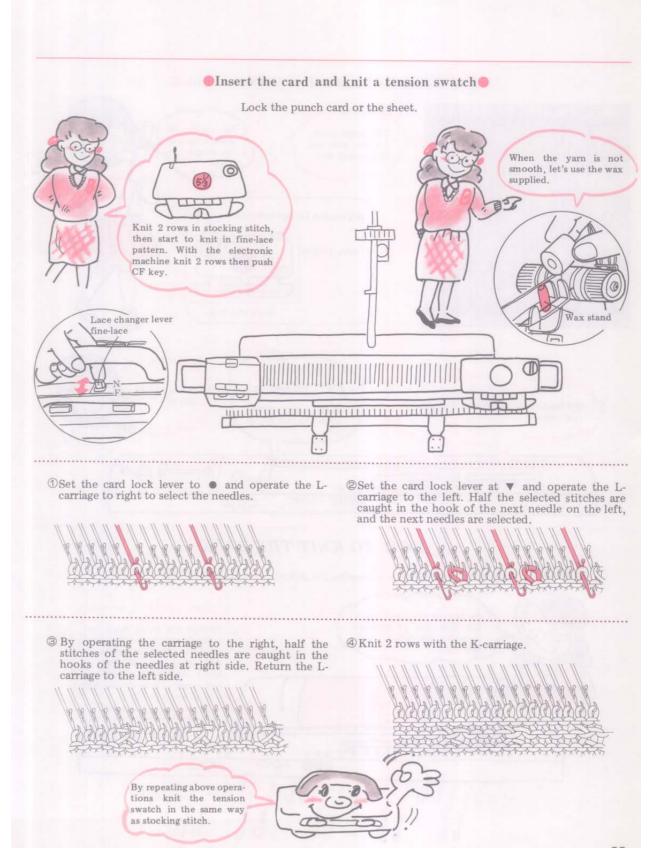












#### Take the tension gauge and set the Stitch Scale Be This guage is only for this yarn and this tension dial. to sure make a note of the length gauge. ● Tension Gauge (an example) ● 60 rows=13.0cm 40 sts.=12.2cm Stitch Scale That's No. 11 isn't it? Set the left regulator to 13 the right Select the Stitch one to 0. Scale for left datum line. - B B 40 08 0.2.4.6.8mm000 000 400 42 5: HOW TO KNIT THE BACK Adjust the number of needles for 2x2 rib. in multiples of 4+2. By turning the sheet adjust the base line of garment piece to the Stitch Scale Though the Stitch Scale indicates 74 needles, make adjustment to have multiples of 4+2. Then you will have to add 1 more needle on each end and arrange 75 needles on each side of 0 to B position. 00 000 000 42

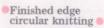
84

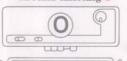


#### OKnit 2×2 rib

Adjust the number of stitches to be in multiples of 4+2 and arrange the needles. Both end needles must be on the main bed. Work finished edge for 2x2 and knit the waistband.



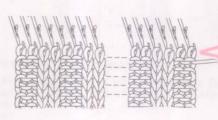












Arrange the needles have purl stitches on each side referring the manual

#### • Knit evenly to armhole shaping



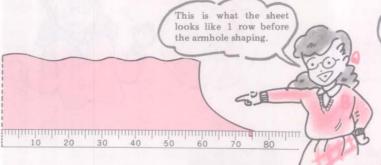






Knit in fine lace pattern in the same manner as for the swatch.

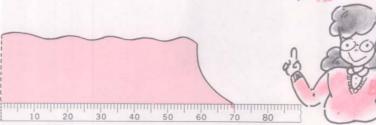
#### Armhole shaping

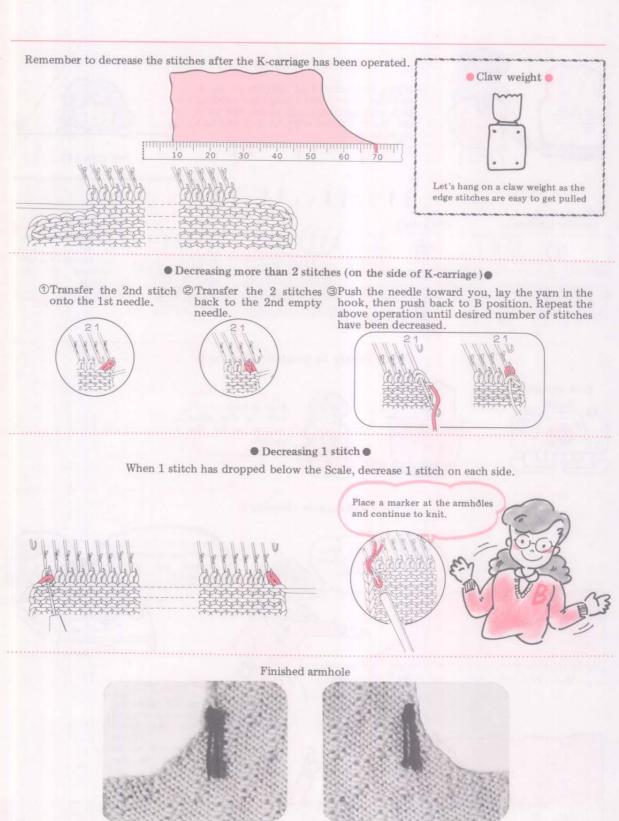


From here I've got too watch the change of the armhole line carefully each row!



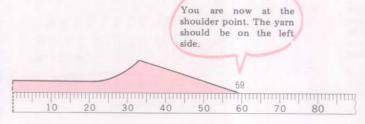
You will notice the outline has dropped the Stitch below Scale ... Those stitches are to be decreased on the next row!





## Shoulder shaping by decreasing

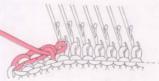


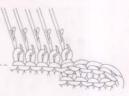


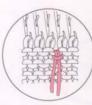


Shoulder shaping the same way as the decreases of more than 2 stitches of armholes

Knit 1 row to the right, decrease the number of stitches not now visible. Operate the L-carriage and knit 1 row to the left. Decrease the stitches on the left side. Repeat the above until the base of back neckline is completed.







At the base of back neck place a marker at the centre.

#### • Neckline shaping •



#### Watch the card! ! .

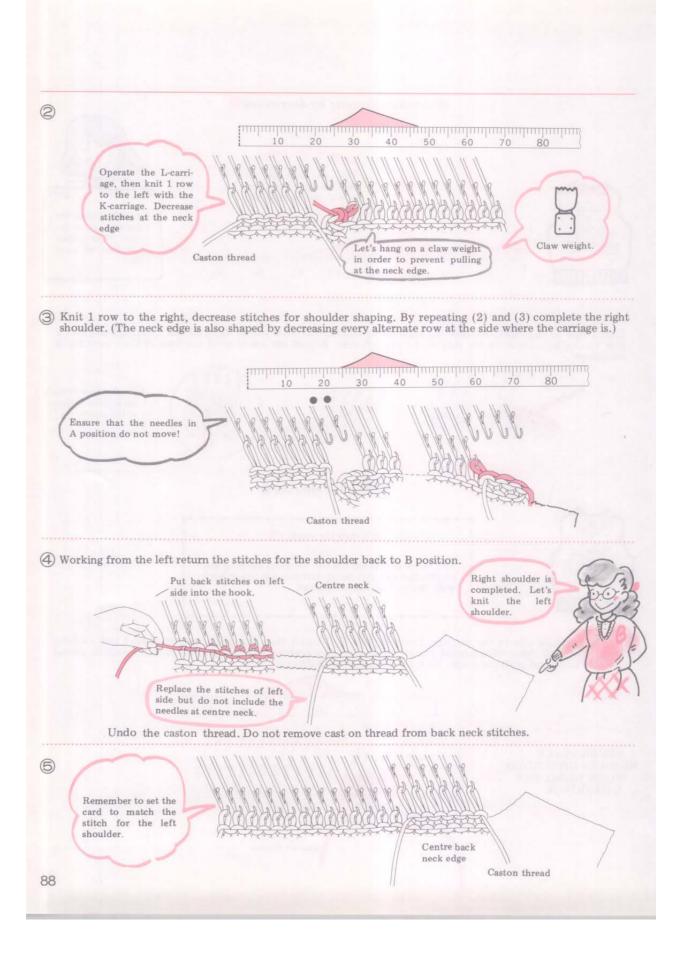
The work is divided for the neckline shaping and so the stitches not being knitted are taken back with the special cast-on thread.

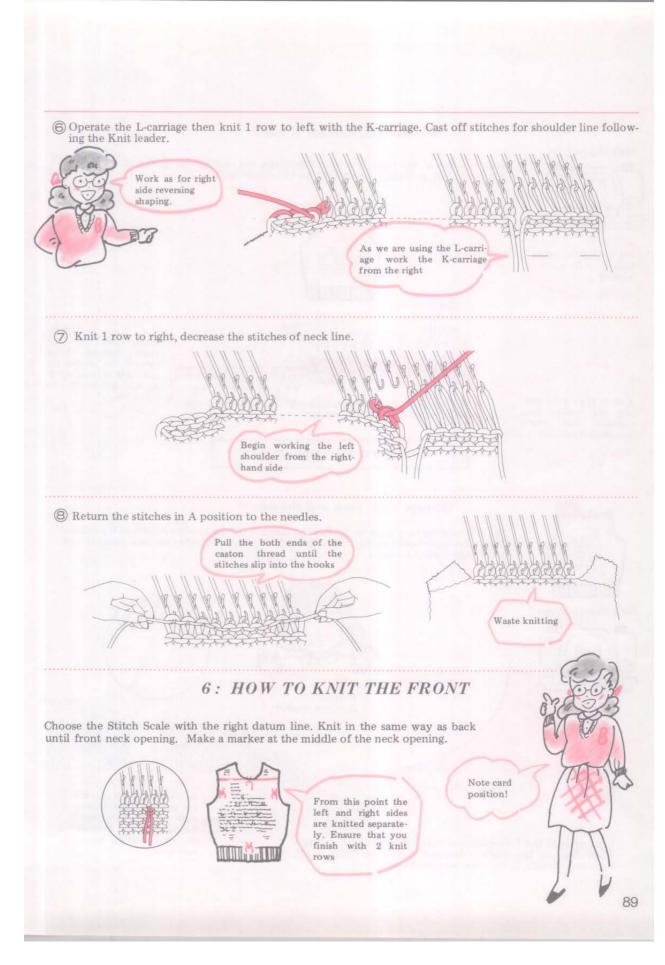
1 At the opposite side to the carriage, following the Knit-leader take the special caston thread and working from right, pull the needles toward you so the stitches pass over the latch opening it. Place the caston thread into the hook and push the needle back to A position as illustrated.



NEVER PLACE NEEDLES INTO HOLD WHEN USING THE L-CARRIAGE

Cast on thread.





#### Waste knit stitches at left

Both trippers up



Set the holding cam lever to H for waste knitting

Push needles at the right side into E position, set carriage for hold and waste knit stitches at left, including the straight part at centre neck.



Part to be dropped from machine.

Part to be knitted first

This is how the work should look, after 1 row of waste knitting.

Remember to note card position.

you knit the Before knitting, bring waste forward the needles for right side of neck opening and the shoulder to E position.

Knit 10 rows waste knitting and remove from machine. Push empty needles to A position

#### Shape right neck and shoulder

Set the holding cam lever to N. Put the stitches on the needles placed in E position back into their hooks using a transfer tool. (When the needles are in E position the L-carriage does not work.)



Both trippers down



Have you finished!

Waste knitting



Right side

<u> Արուդիուիականուրուիականակարիա</u> 40 30

First operate the L-carriage and knit 1 row by the K-carriage. Then decrease the stitches dropped below the Stitch Scale. Continue shaping in the same way as the back.

As we have drawn only half the garment pattern piece, work the left side to match the right side but following the same drawing on the Knit-leader.

#### Shape left neck edge and shoulder

Using the Feeding dial on the Knit-leader, adjust the pattern line to the Stitch Scale.

Arrange the correct number of needles shown on the Stitch Scale to B position and... By turning the Dial return the sheet to the position before neck shaping began. Turn more than is required to start off with, then adjust to the exact position.

Centre needle

80 70 60 50 40 30 20 10

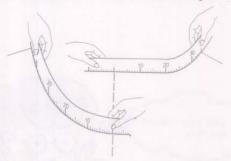
Fold the waste knitting to the back and omitting the straight section at centre, put back the stitches.

After the stitches have been picked up, return the punch card to the correct position. Set the card lock lever to ● and move the L-carriage to the right, set it to ▼ and operate the L-carriage working in the same

#### • Knitting the neckband

① Put the Stitch Scale along neck edge on drawing to determine the number of stitches required.

way as the right side.



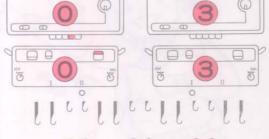
★ For knitting 2x2 rib with finished edge refer to page 140.

Adjust the number of stitches to be in multiples of 4+2 and arrange the needles. Work finished edge for 2x2 and knit the neckband.

• Finished edge circular knitting •

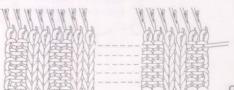


Finished side



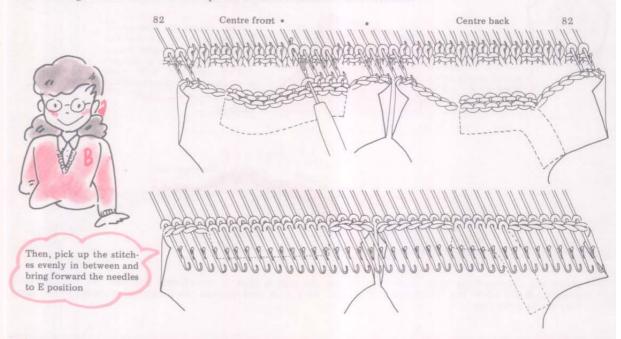
After completion of ribbing drop the ribber, remove the connecting arm and replace the sinker plate.





#### Attach the neckband to bodice

① With the wrong side of the garment facing you, pick up the same number of stitches as the neckband from the neck edge of back and front except the seam allowance of the shoulders.



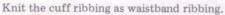
© Knit 1 row from right. Change to waste yarn, knit 2-3 rows and bind off the stitches. (For binding off stitches refer to page 72).



#### 7: HOW TO KNIT SLEEVE

(Use the Stitch Scale with centre datum line)

Set the cuff of the sleeve on the sheet to the Stitch Scale. In this case it reads 35. So arrange 35 needles on each side of 0 in B position







#### Shaping sleeve sides by increasing

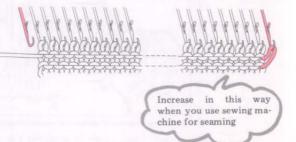
While you are operating the L-carriage work the increases following the Knit-leader.



Change to the Kcarriage and to required tension



When the Stitch Scale indicates so, increase a stitch by placing an empty needle at the side.





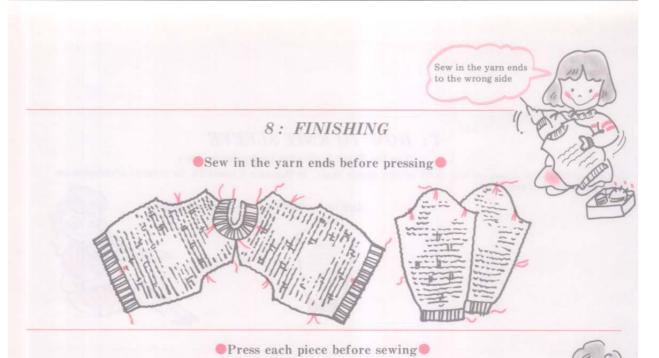
If you are sewing up by hand increase like this!

#### • Knitting the sleeve head

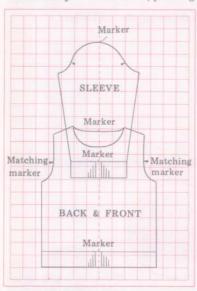
The Sleeve head is shaped by decreasing in the same way as the armhole of the bodice, remember to place markers. Bind off the remaining stitches.







Have ready Steam iron, pressing table, blocking pins, binding wire.

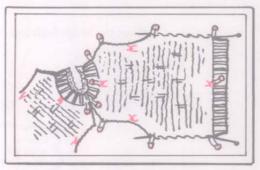


Trace the pattern on the sheet. Sometimes the edges of a garment stretch, so thread the wires through the edges, adjust to correct length and press

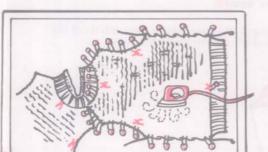
Do not progribbing

Sewing Winding

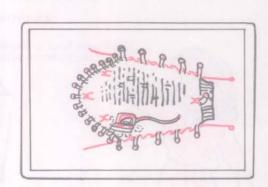
1 Pin out the garment as the drawing.



② You will need more pins along the curved edges.



Syou will need more pins along the curves of the armhole.





#### Part 1

Sewing shoulders, sides and sleeves by sewing machine

Check the measurement on your drawing. Put the edges of each part together with the right sides facing and sew the edges by binding wire in winding manner. Baste inside the seam allowance.

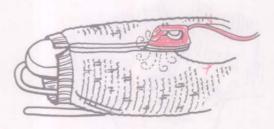








Press the seams



#### Attach sleeves

① Put the head of sleeve inside the armhole with the wrong side outside. Use the markers as a guide.



@Place pins evenly.

Baste inside and outside of seam allowance. Sew by a sewing machine at 0.5 cm in from the edge.

95

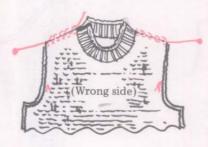




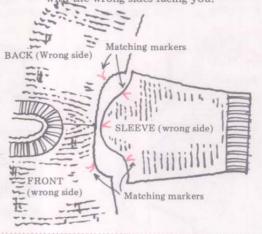
#### Part 2

#### Sewing the side and sleeve seams by sewing machine

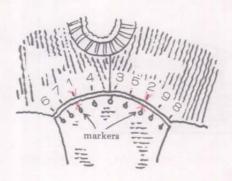
① Place the shoulders right sides together. Thread the binding wire in winding manner, baste along the inside of seam allowance to hold it securely in position and sew by sewing machine.



② Lay the back, front and sleeves on a flat surface with the wrong sides facing you.



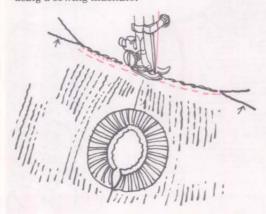
3 Pin into position.



While you remove the pins, thread the edges with the binding wire by winding method. Baste inside the seam allowance.



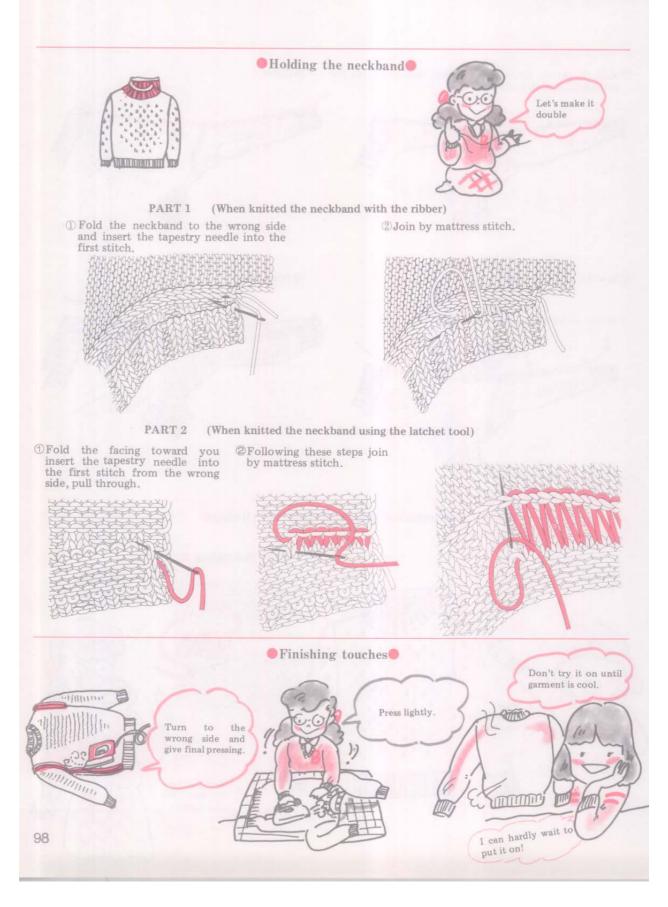
S When basting is complete, sew 0.5 cm from edge using a sewing machine.



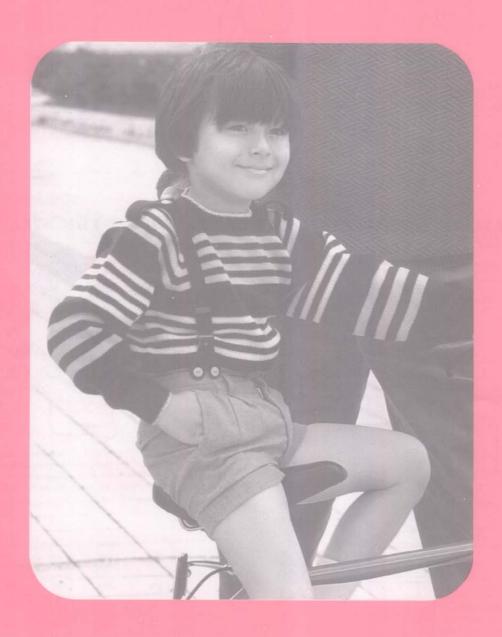
© When sleeve is attached, press the seam.







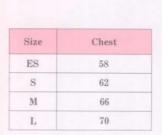
# Step 5





## CHILD'S SWEATER (ROUND NECK WITH RAGLAN SLEEVES)

There are 4 sizes. Choose the size referring to the body measurement.





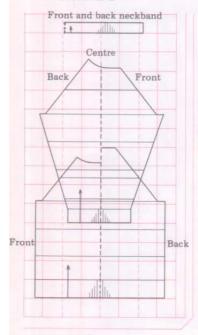
When you measure the chest, put 3 fingers under the tape do not make too tight.

Measurement

Around chest (C)

cm

### 1: TRACING THE PATTERN ON THE SHEET



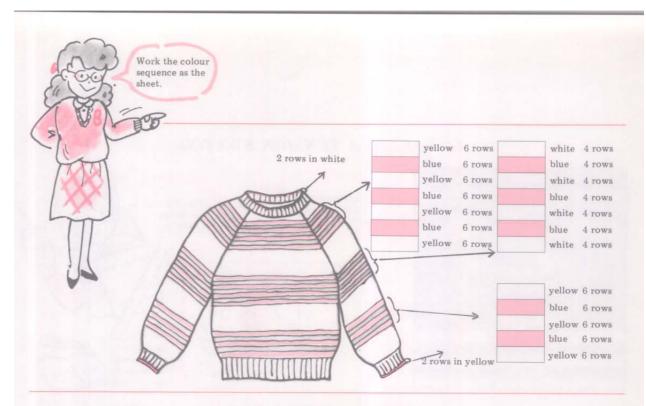


Fit the centre line of the pattern to the centre of the Knit-leader sheet and trace as the diagram.

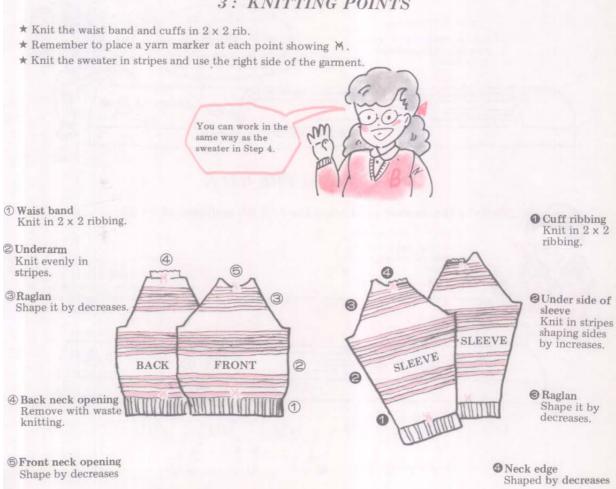
#### 2: THINGS YOU WILL NEED



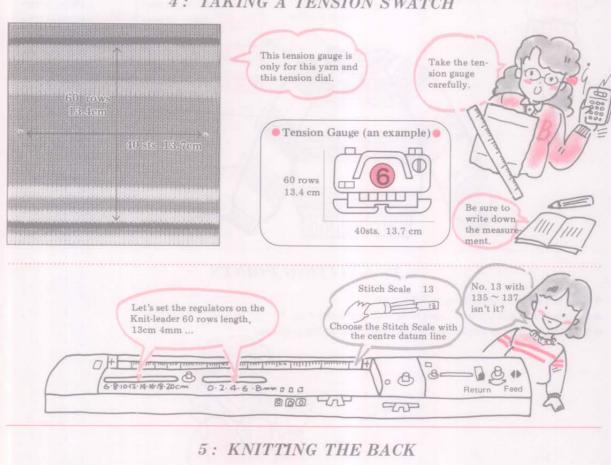
Size	Main yarn (blue)	Contrast colour (yellow)	Contrast colour (white)
ES	150g	50g	50g
S	200g	50g	50g
M	250g	50g	50g
L	300g	50g	50g

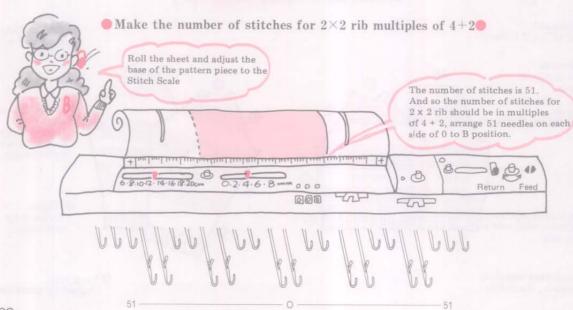


#### 3: KNITTING POINTS

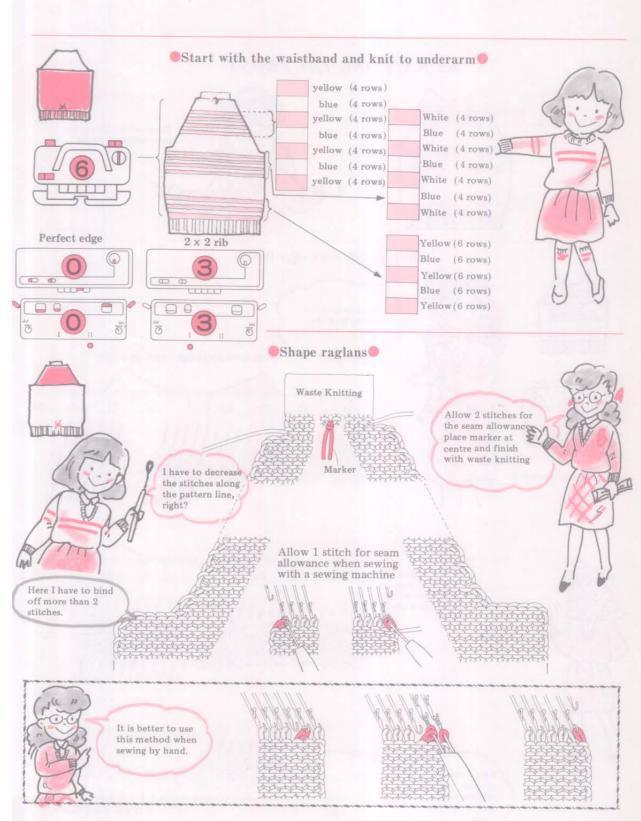


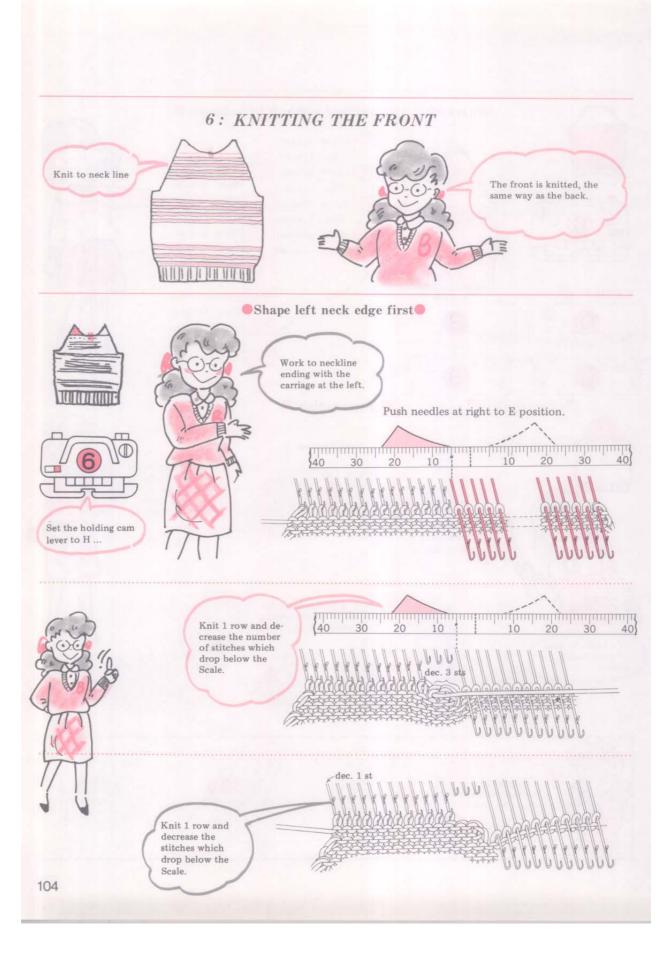
#### 4: TAKING A TENSION SWATCH

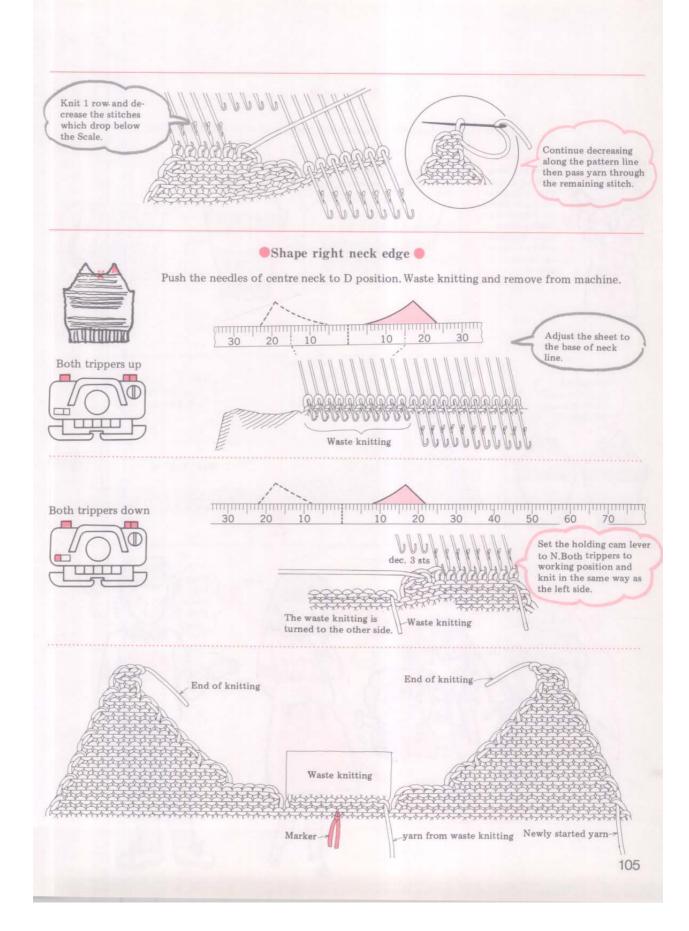




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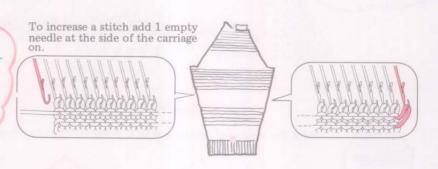




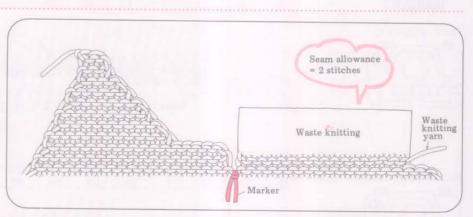
For the cuff ribbing, knit the required number of rows using the ribber.



After you have finished knitting cuff ribbing knit the sleeve increasing stitches reading the Stitch Scale. Be careful not to make two of the same sleeves.

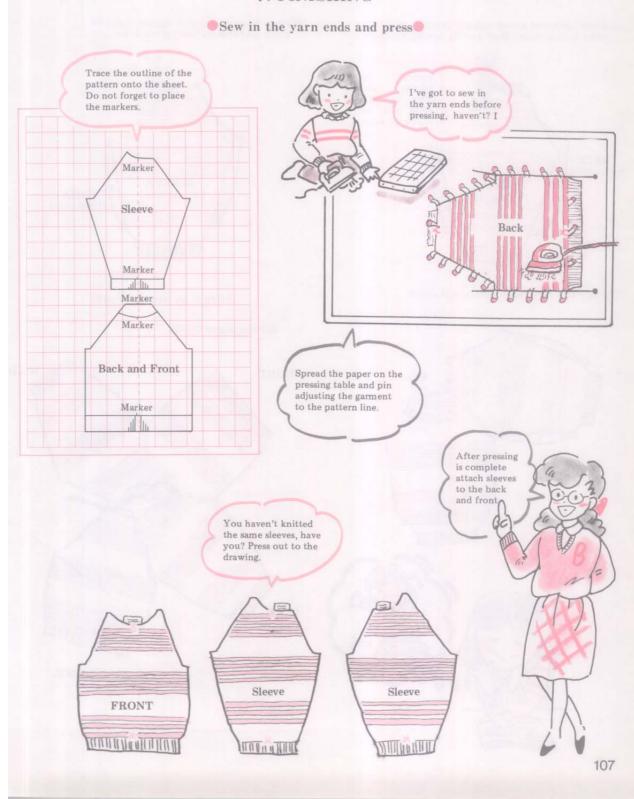






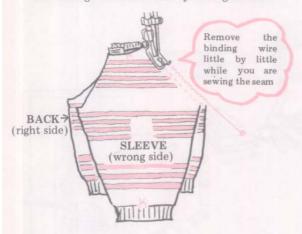


#### 7: FINISHING



#### Sewing by sewing machine

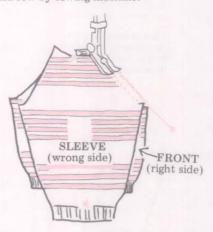
① Place back and sleeve raglans together with right sides facing. Baste then sew by sewing machine.



3 Place the back raglan to the left sleeve.

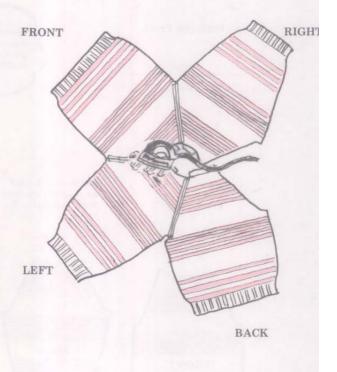


© Place front and sleeve raglans together. Baste and sew by sewing machine.



Press by steam iron

4 Press seams lightly





### • Knitting the neckband

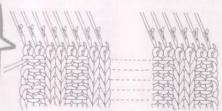
① Place the Stitch Scale around the neck edge and determine the number of stitches required. Adjust the number to multiples of 4 + 2 stitches and arrange that number of needles. (For 2 x 2 rib with finished edge refer to page 140).



©Though the finished edge on page 140 was worked in 1 and half rounds of circular knitting, in this case you will need to knit 2 rounds.



Set the carriage as for waist band ribbing and knit 2 rows in contrast colour for the finished edge. Change to the main yarn and knit the required number of rows cut the yarn leaving an end 6 times the width of knitting on machine.

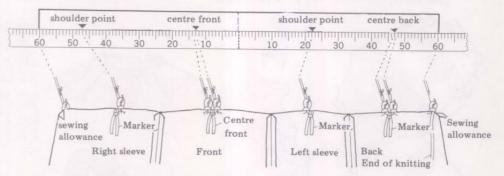


Transfer the stitches on the ribber to the main bed. Lower the ribber and remove the connecting arm and replace sinker plate.

### Attach the neckband to back and front

①With the wrong side of work facing you, place on each end, shoulder point of back and front matching the markers (Pick up same number of stitches as neckband centre.)





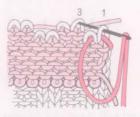
@Pick up the stitches evenly and place onto needles and bring out the needles to E position.



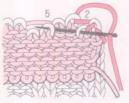
 $\$  Knit 1 row from right side. Knit 2  $\sim$  3 rows in waste yarn and bind off the stitches. (Refer to page 72 binding off stitches)

### Finish 2×2 rib of neckband

- ①Hold the garment with right side facing you, insert the tapestry nee-dle into the 1st stitch from right side, then to the 2nd stitch from the wrong side.
- 7 6 5 4.3
- © Pull the tapestry needle through. Insert the neethrough. Insert the neethrough. dle into the 1st stitch again and to the 3rd stitch from right side.



dle into the 2nd stitch from right side and into the 5th stitch from wrong side.



@ Pull the tapestry needle through, insert tapestry needle into the 3rd stitch from wrong side and to the 4th stitch from right side.



6 Pull the tapestry needle through and insert it into the 5th stitch from right side and into the 6th stitch from wrong side.



6 Pull the tapestry needle through and insert it into the 4th stitch from wrong side and into the 7th stitch from right side.



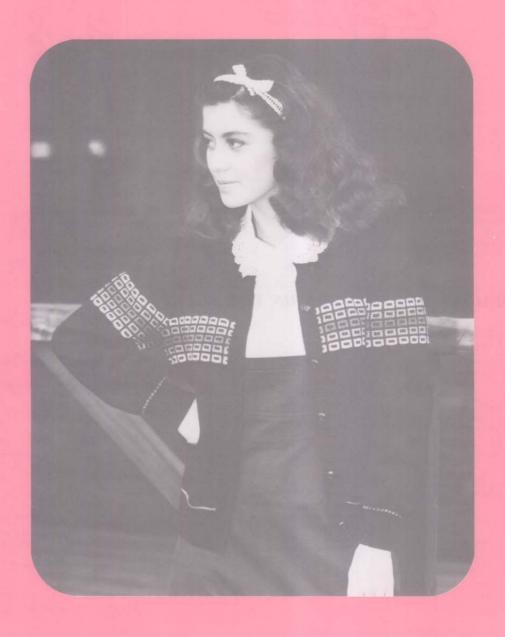
 $\odot$  Repeat 3  $\sim$  6 until the last stitch. For the last time insert the tapestry needle as the diagram. (After all the stitches have been bound off undo the waste knitting.)



- Sew remaining Raglan from underarm to under side of sleeve using a sewing machine, and mattress stitch the 2×2 ribbing



# Step 6





### Step 6 LADY'S CARDIGAN



The pattern has 5 sizes and I'm to choose one of them based upon my bust measurement, isn't it?



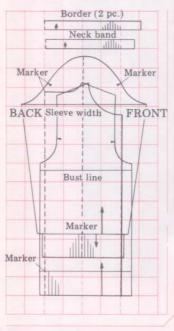
Choose correct size for your body measurements.

Size	Chest
ES	81-86
S	86~91
M	91-96
L	96~101
EL	101-106

Write your measurements.

Bust	Length	Sleeve Length
em	em	em

### 1: TRACING THE PATTERN ON THE SHEET



Each part is traced on one sheet. 112

Trace the pattern you have chosen on to the sheet.

Draw the multi-coloured pattern area as the pattern pieces in the desired position,

### 2: THINGS YOU WILL NEED

Size	Main yarn (black)	Contrast colour (yellow)	Contrast colour (orange)	Contrast colour (green)
ES	350g	50g	50g	50g
S	400g	50g	50g	50g
M	400g	50g	50g	50g
L	450g	50g	50g	50g
EL	450g`	50g	50g	50g

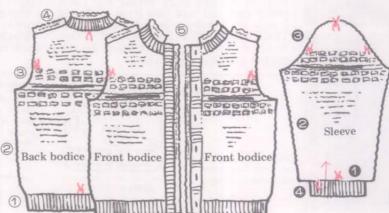




6 buttons

### 3: KNITTING POINTS

- \* The section across the bust is in multi-colour tuck stitch. The plain side is the right side.
- \*The lower edge, cuffs and neckband are knitted in 1x1 ribbing.
- \* Be sure to make a marker at the position marked.
- 1 Waist band ribbing Knit in  $1\times1$  rib.
- @Hem to under arm Knit without shaping. A little before armhole work in multicolour tuck.
- 3 Armholes shaping by decreasing.
- 4 Shoulder and neck opening Shoulder shaping by partial knitting and the neck opening by decreasing.
- ® Neckband 1×1 ribbing



1 Sleeve Knit the sleeve from cuff.

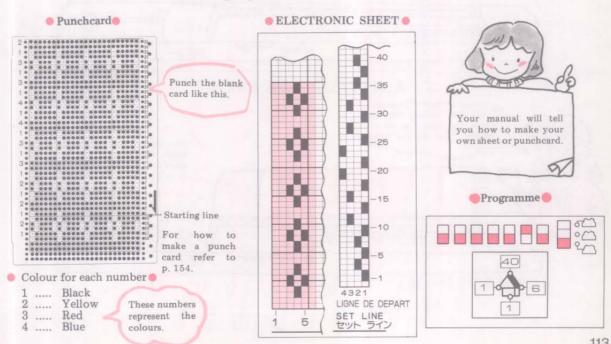
@Sleeve shaping By increasing. multi-Begin colour pattern below the armhole to match Back and Front.

©Sleeve Shaped by decreases and the remaining tches are bound off.

O Cuff ribbing Pick up from the cuff decreasing stitches and knit in 1×1 rib.

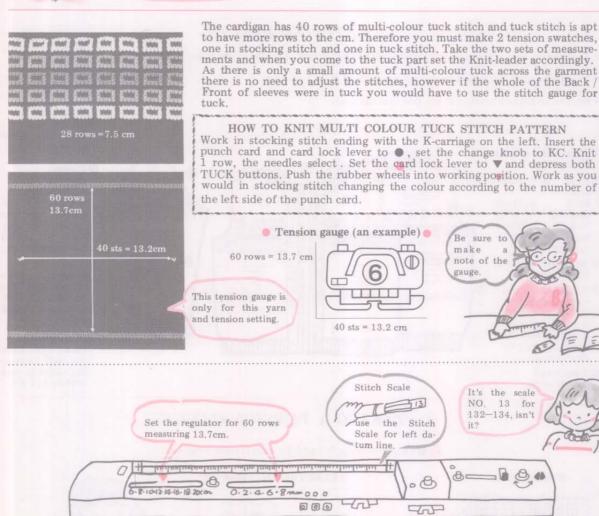
### 4: TAKING A TENSION GAUGE

Making a punch card or electronic sheet

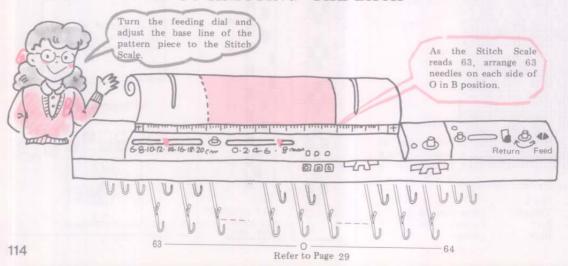




Since the tension gauge can differ from machine to machine, remember to make a new one every time and measure it correctly









### Waistband ribbing and Back Front to armholes

For waistband ribbing add 1 stitch to the number you have read on the Stitch Scale. (This ensures that the stitches on the Front match the Back.)

The last 2 rows are knitted with contrast colour yarn.

From the 1×1 rib to tuck pattern position work in the same way as for Step 3



Perfect edge





SECREPUS L

Knit in multi-colour tuck stitch pattern



After multi-colour tuck has been finished set the change knob to N.L.



From here we use the card and knit in multicolour tuck stitch pattern.

While you are knitting in this pattern you have to shape armholes by decreases. Then knit evenly to the shoulder point.

Shape the armholes in exactly the same way as for Step 3.

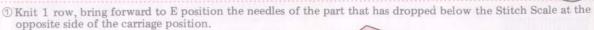




This is what the sheet looks like when you get to the shoulder point.

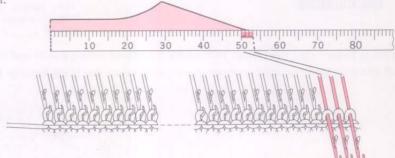
10 20 30 40 50 60 70 80

Now you are going to use the technique of partial knitting for the first time. Pay attention!



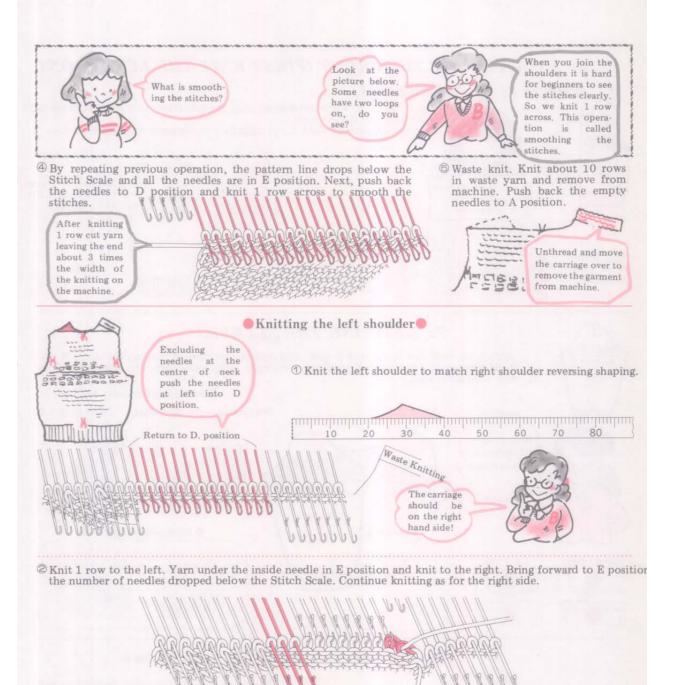


Set the holding cam lever to H...



<sup>\*</sup>You have only drawn the right side of the Back pattern piece so you must work the left side to match.

© Knit 1 row. Pass the yarn under the first needle at E position as the diagram and bring forward the needles to E position on the opposite side, Pass yarn under needle. 3 By repeating the above, knit until the base of back neck opening. Shape neck opening Opposite side of the carriage from base of centre neck. Push the needles at left to E posi-Centre back neck tion. ① Knit 1 row. Bring forward the number of needles dropped below the Stitch Scale to E position. Decrease 1 stitch at neck edge. ավագիախարակավափակավագիակակակակակակակակա Claw weight Let's hang a claw weight in order to prevent the neck edge pulling. @Knit 1 row to the right.Place yarn under the nearest resting needle and knit 1 row to the left. 3 Bring forward the number of needles dropped below the Stitch Scale to E position. Decrease 1 stitch at neck edge. 116



Waste knit centre stitches

### 6: HOW TO KNIT THE FRONT (FIRST KNIT THE LEFT FRONT

WHICH IS ON THE SHEET)

Draw onto the Knit-leader sheet only the left front, you must work the right front reversing the shapings Knit the left and the right front separately in the same way as the back.

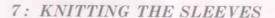
Knit the waistband using the ribber or latchet tool

End stitch is for seam allowance

This is where you pick up for the buttonhole and button band.



Remember have to knit a left and a right side.



Adjust the cuff line to the Stitch Scale and read the number of stitches for the cuff ribbing. Arrange the needles in B position accordingly, using waste yarn, knit a few rows then knit with main yarn.

Decreasing for sleeve head

Decreasing more than 2 sts. Decreasing 1 st.



Perfect edge

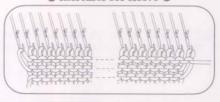


1 x 1 rib



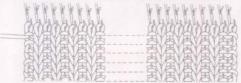
100000 100000 Left sleeve Right sleeve

Increases for sleeve

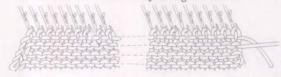


•Knit cuff ribbing and attach to the edge of sleeve

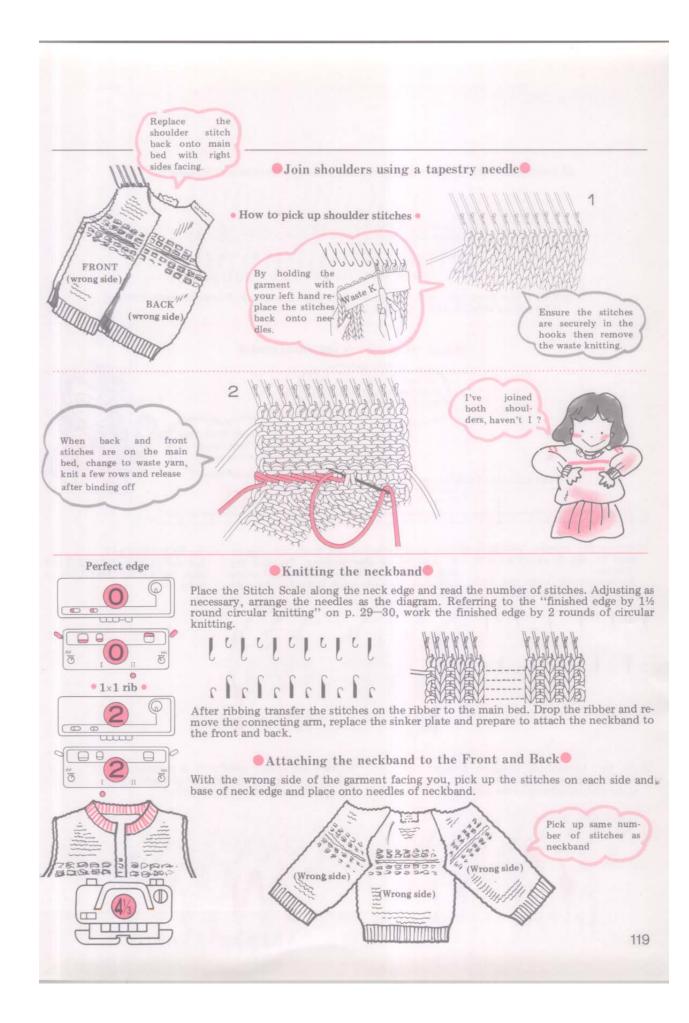
① Adjust the Stitch Scale to the cuff ribbing line and read the number of stitches, caston the required amount using the ribber. Finish the edge by circular knitting. And knit the length of the cuffs. Then transfer the stitches onto the main bed.

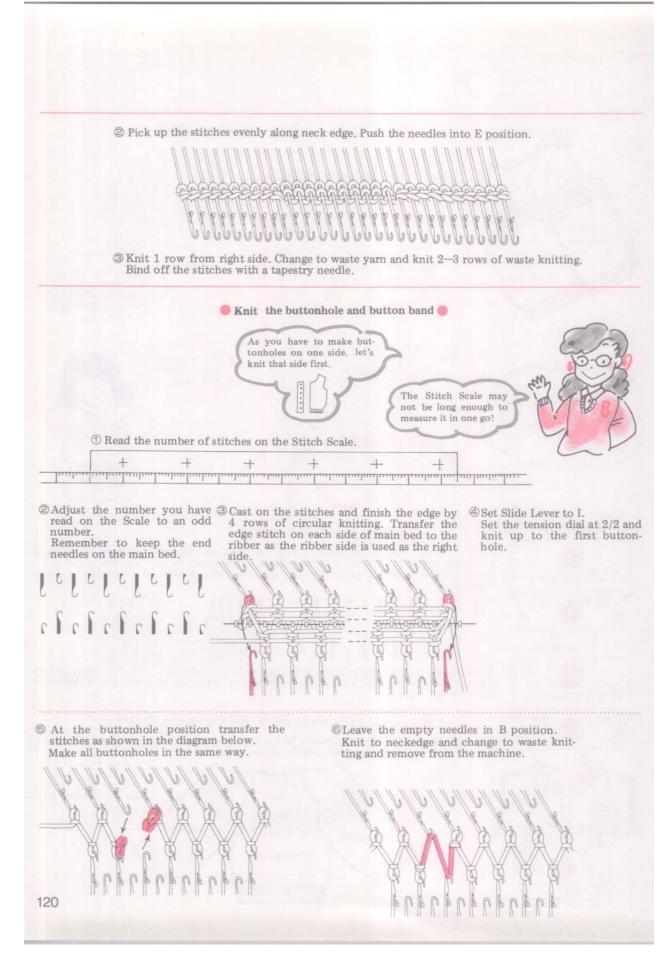


@ With the wrong side of the sleeve facing you and the waste knitting turned over pick up the stitches and distribute them evenly along the row.



3 Knit 1 row from the right side. Knit 2 or 3 rows in waste yarn and bind off the stitches. Remove the waste knitting.

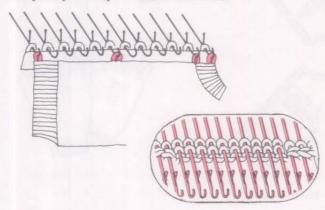


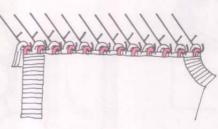


### Attach button bands to the Fronts

① Pick up the stitches along the button band edge ② Ensure that you pick up the stitches evenly, and place onto needles.

With the wrong side of the garment facing you pick up the stitches evenly along centre front edge and place picked up stitches onto needles.



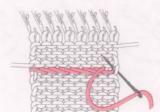


Let's bring forward the needles to E position.

Sknit 1 row in main yarn. Change to waste yarn and knit a few rows. and Bind off the stitches.

Attach the button band in the same way.

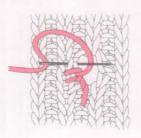




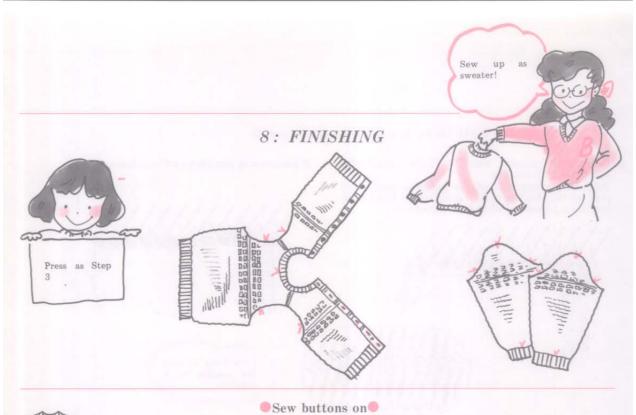


### Finishing the buttonholes

Using blanket stitch finish the buttonholes.









Sew a button on each mark-ed position











- Thread a tapestry needle as illustrated.
   Thread through button.
   Attach to the button band.
   Wrap the thread around the shank.
   Fasten off securely.



### HOW TO MAKE VARIOUS GARMENTS FROM THE SAME PATTERN

Look at the applications!





### 1) SHORT SLEEVE SWEATER

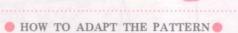
### MATERIALS:

Choose a fine yarn -- approx. 250g and approx. 350cm of ribbon for the shoulder and the sleeves.



40 sts = 11.1cm

PROGRAMME (

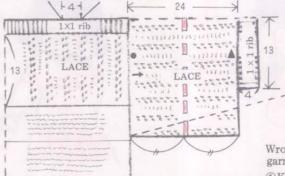


- 1 Extend the length to waistband.
- Shorten the sleeve and square off.



Ribbon position End of Neck Edge

punchcard •



• KNITTING POINTS

Wrong side of fabric is right side of garment.

Pattern card page 136

- How to pick up stitches TKnit the yoke and sleeves in lace.

  Pick up the sleeves Pick up the sleeves from the back
  - from the back/front and front along armhole edge.

    © Decorate with ribbon.
    - After redrawing the pattern pieces work as the basic garments.



### ▲ How to knit the cuff

① Calculate the number of stitches to be decreased, push corresponding number of needes to D position.

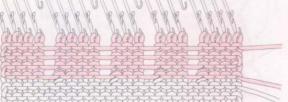


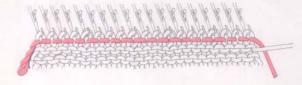
 Sknit several rows with waste yarn and remove from machine.



②By using the L-carriage, transfer the stitches.

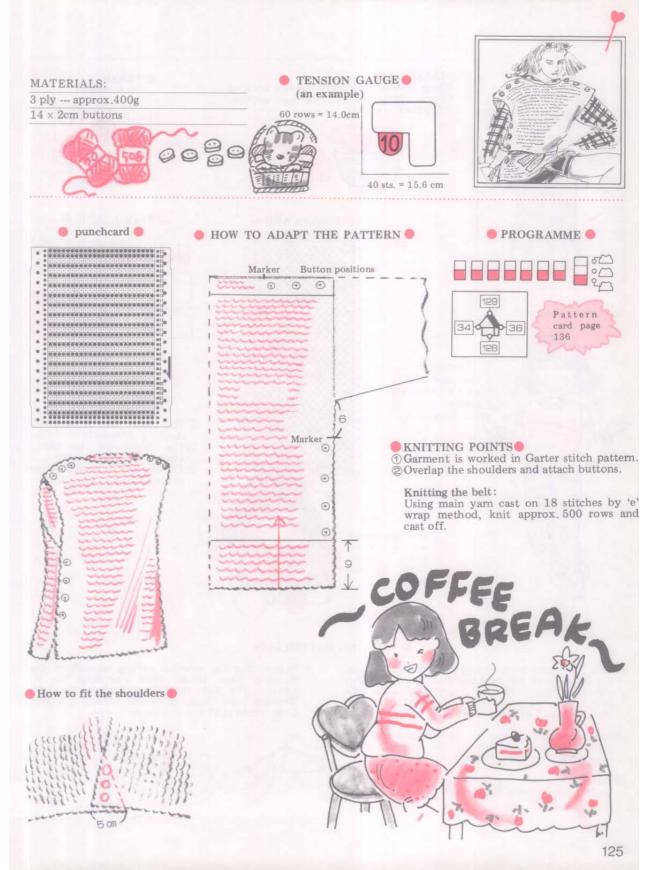
Mrit the cuff in 1 x 1 rib. With the wrong side facing, replace the stitches of sleeve edge back onto same needles, knit 1 row and bind off.





2 OVERTOP

### WORK THIS GARMENT ON THE GARTER CARRIAGE!



### 1 A-LINE SKIRT



#### MATERIALS:

Using a very fine yarn for the backing approx. 200g and a heavier yarn approx. 150g for the weaving.



60 rows = 11.2cm

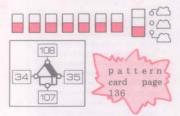


40 sts = 13.1cm

### PUNCHCARD



### PROGRAMME



### KNITTING POINTS

Work in weaving stitch.

- The inside hem is worked in stocking stitch only.
- The facing of the belt is knitted in stocking stitch.
- The rest of the skirt is worked exactly as the A-line skirt.



It is very important to use different weight yarns for this stitch.

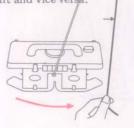


### WEAVING PATTERNS

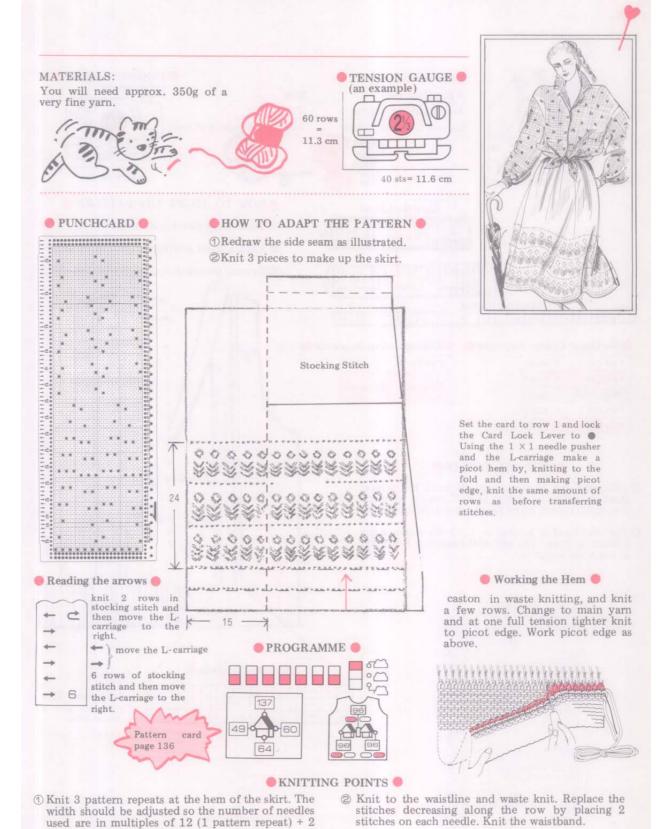
- ①Knit the inside hem, ending with the carriage on the left. Insert the card and lock on row 1. Set card lock lever to ● . Set change knob to KC and knit 1 row. Set weaving brushes to working position. Set card lock lever to ▼.
- Set the weaving yarn to the left weaving yarn guide. Holding the end of the weaving yarn, operate the carriage to the left.
- ③ Transfer the weaving yarn under the K-carriage to the right Weaving Yarn Guide.

4 Ensure that the weaving yarn is securely in the Weaving Yarn Guide when operating the K-carriage. The yarn must be placed in the right Weaving Yarn Guide when the carriage is moved from left to right and vice versa.





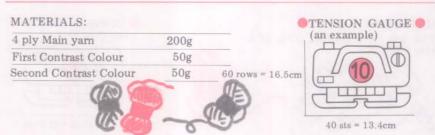
### 2 LACE SKIRT WITH GATHERED WAIST



stitches for the seam allowance.

### 1) MAN'S V-NECK SLIPOVER





## Back Neckband 1 × 1 rib

1 × 1 rib

HOW TO ADAPT THE PATTERN

3 Reverse the stitches using the latchet tool.

1 Draw in the new neckline.

2 Make a wider neckband.

Armhole edging

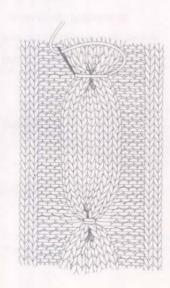
Con Col 1	5 rows
Con Col 2	5 rows
Main Yarn	5 rows
Con Col 1	5 rows
Con Col 2	5 rows

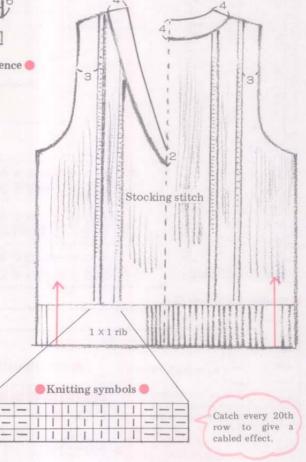
Con Col 2 2 rows

Main yarn 12 rows

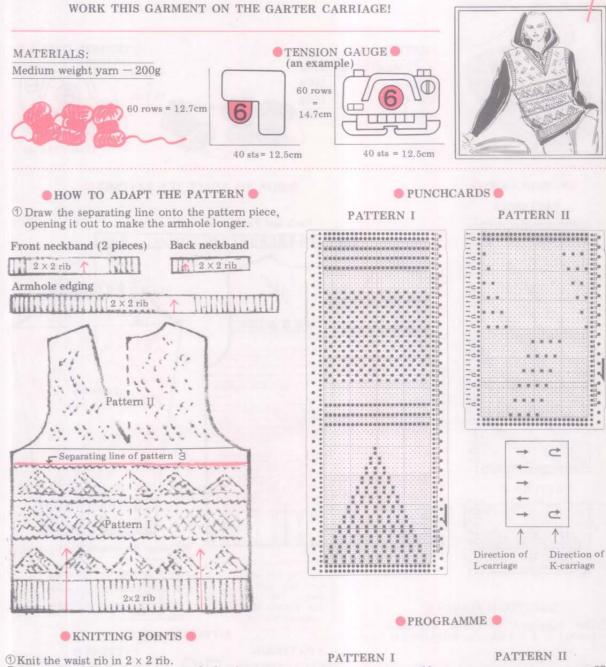
### **OKNITTING POINTS**

- Following the knitting symbols work the reverse stitches using the latchet tool. When the garment is complete catch every 5cm to give a cabled effect.
- $\ensuremath{\mathfrak{D}}$  The neckband is knitted in 1 imes 1 rib working the colours as given. The rest of the garment is worked as the V-neck slipover.





### (2) LADY'S V-NECK SLIPOVER

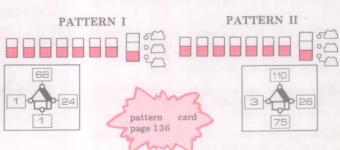


@The garter stitch pattern is worked using the Garter carriage.

③ From the armhole a fine lace stitch is worked

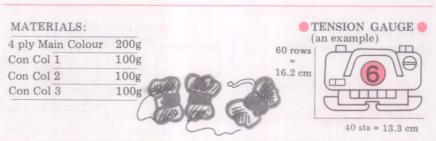
using the L-carriage.

The neckband and armhole edging are in 2 × 2 rib. To remind you of how this is done refer to Step 4 and Step 5, the rest of the garment is worked as for V-neck is slipover.



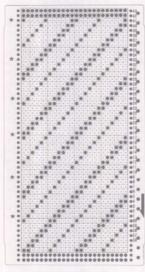
### (1) LADY'S SET-IN SLEEVE SWEATER



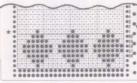


### PUNCHCARDS

#### PATTERN I

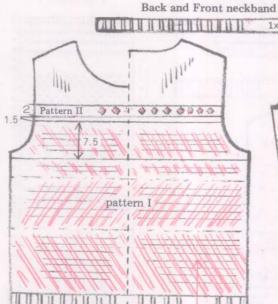


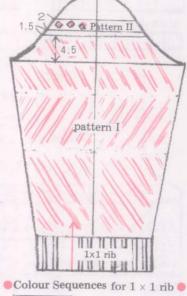
### PATTERN II



### OHOW TO ADAPT THE PATTERN

1x1 rib





1111

For the 2nd pat-**OKNITTING POINTS** 

- 1 The waistband, neckband and cuffs are knitted in  $1\times 1$  rib. For reference see Step
- @When you knit pattern I, knit 1 complete card round, then reverse the card, take it out from the machine, turn it back to front. Note row 1 on the reverse side.
- The sleeves are knitted in the same way as the back and front. For the rest of the sweater see Step 4.
- Change the colours on pattern I as indicated down the side of the card.

tern this side is above. For the 3rd pattern this comes to bottom.

Col 1 (2 rows) Col 2 (2 rows) 8 rows Col 3 (2 rows) 8 rows

PATTERNI

118

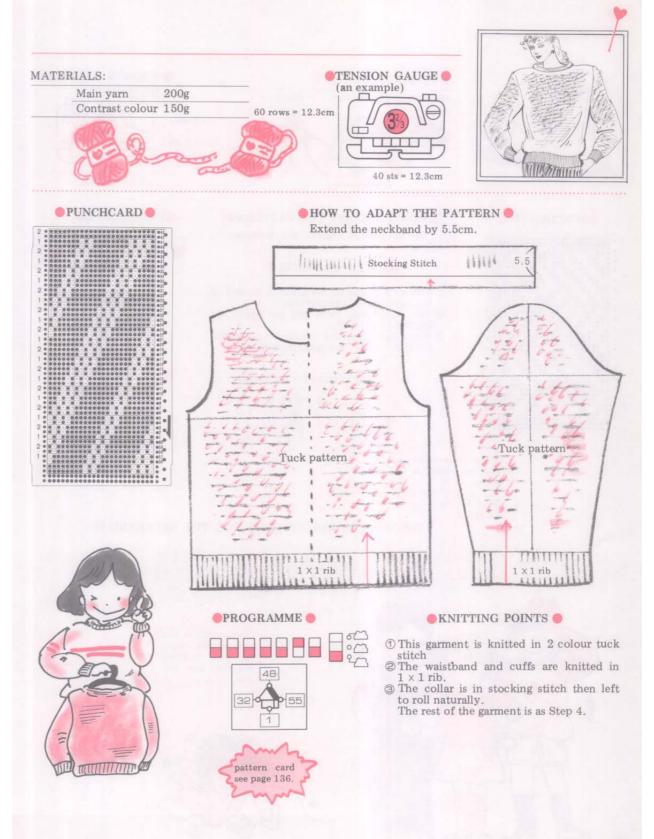
PROGRAMME PATTERNII





pattern card see page 136.

### (2) LADY'S SET-IN SLEEVE SWEATER



### 1) MAN'S RAGLAN SWEATER

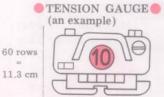


### MATERIALS:

Medium thickness yarn

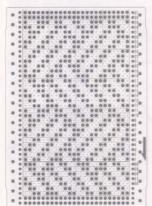
450g





40 sts = 13.3 cm

### PUNCHCARD



### ● HOW TO ADAPT THE PATTERN ●

Use the pattern without any changes.

### **OKNITTING POINTS**

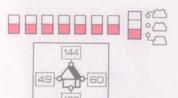
- The wrong side of the knitting is used as the right side of the garment.
  The waistband, cuffs and neckband are knitted in 1 × 1 rib.
  When picking up for the neckband ensure the right side of the garment is facing.

Decreasing stitches for neck edge





### PROGRAMME



Pattern card page 137.

If you decrease the neckline stitch as shown it will be easy to pick up the stitches for neckband.

### PICKING UP THE STITCHES FOR THE NECKBAND



### (2) RAGLAN SWEATER WITH SINGLE MOTIF

### MATERIALS

4 ply Main Yarn 150g
Con Col 1 50g
Con Col 2 50g
Con Col 3 50g



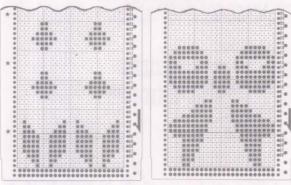
### TENSION GAUGE

60 rows = 14.2cm

40 sts = 12.4 cm



### PUNCHCARDS

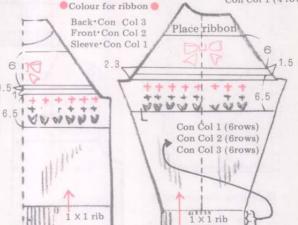


### KNITTING POINTS

- The garment is knitted in fairisle and has a single motif.
- Waistband, neckband and cuffs are knitted in 1 x 1 rib. Refer to Step 3.
- 3 The rest of the garment is worked as for Step 5.

### Back and Front neckband

Con Col 3 (6 rows Con Col 2 (4 rows Con Col 1 (4 rows



### HOW THE SINGLE MOTIF FINISHING YARN IS MADE



Using the one-point cam (Refer to Manual).

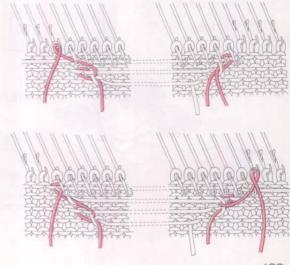


TO WORK SINGLE MOTIF Insert card and lock on row 1. Set change knob to SM.

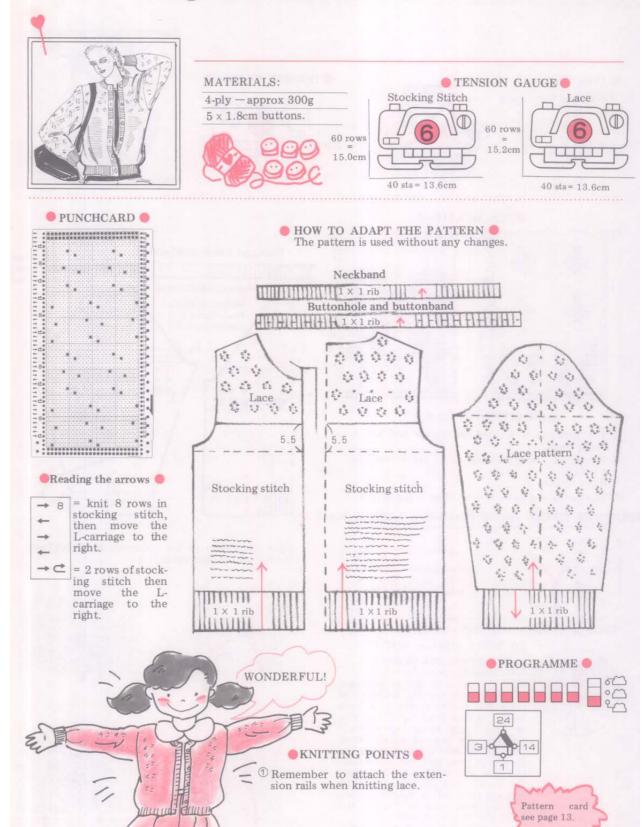
Knit 1 row and the needles are selected. Push the MC button and place the contrast colour in Yarn Feeder B. Set Card Lock Lever to ▼ knit 1 row. Bring forward to D position the second needle from the end of selected needle on the K-carriage side and put the finishing yarn into its' hook. Then push the needle to B position. Move the carriage from left to right and place the finishing yarn in exactly the same way as the left side.

For programme and pattern card refer to page 137

Open the raglan so the underarm drops but leave the rest of the garment as it is.

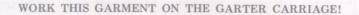


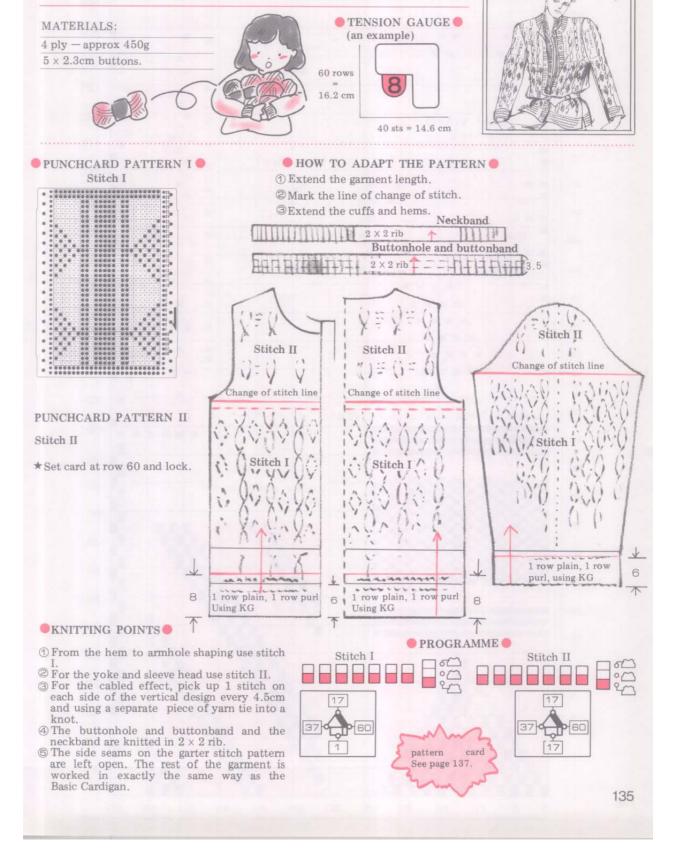
### (I) LADY'S CARDIGAN

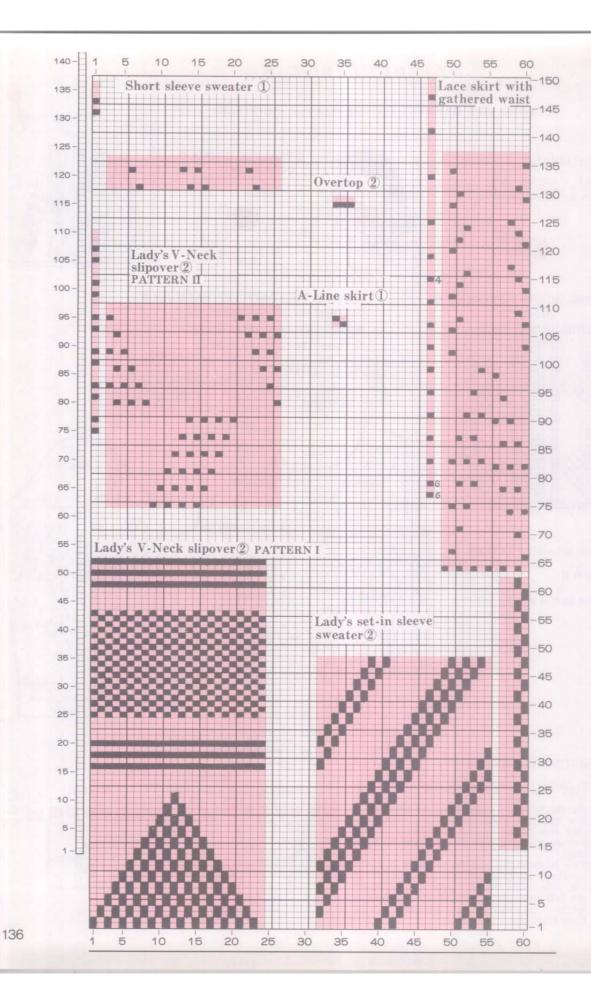


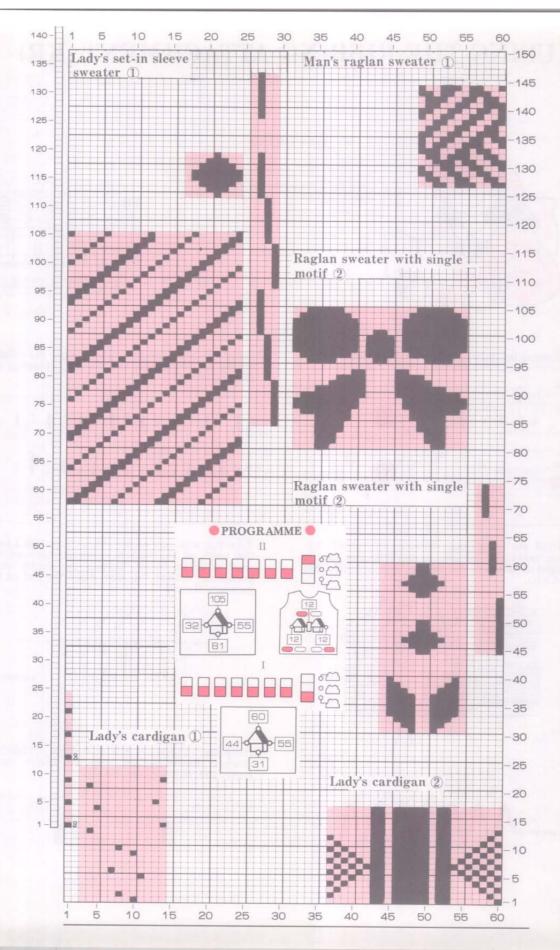
134

### (2) LADY'S CARDIGAN







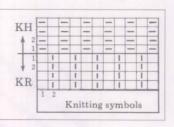


### USING THE RIBBING ATTACHMENT (KR)

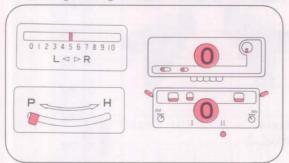


●1×1 RIB●

Referring to the instruction manual, let's set up the ribber

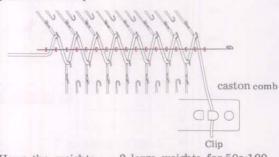


① Following the diagram below set the KH and KR.



 $\ensuremath{@}$  Using the 1 imes 1 needle pusher, place the needles on the KH (main bed) and the KR (ribber) as the diagram below.

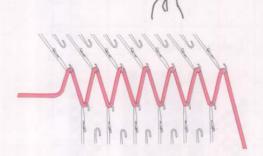
- ★ Move the carriage two or three times across both needle beds (without yarn) to align the needles, ending with the carriage on right.
- Take the wire out of the Caston comb and push the teeth of the caston comb up between the yarn, as shown below. Keeping the caston comb horizontal, replace the wire. Place the end of the yarn into the clip.



 $\odot$  Hang the weights, -2 large weights for  $50{\sim}100$  stitches. Remember to keep the caston comb horizontal, so hang them evenly.



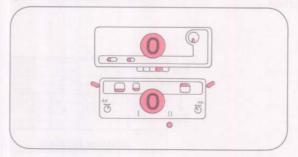
Thread the yarn and holding the end of the yarn, move the carriage to the left. The yarn is caught on alternate needles on both beds (the KH and KR).



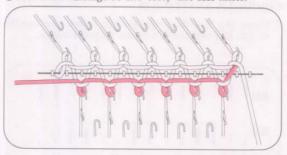
0

It's an accessory and comes with the ribber!

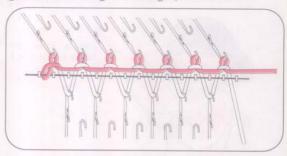
6 Set the KH and KR as shown below.



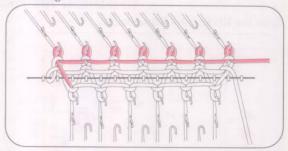
® Move the carriage to the left, the KR knits.



Move the carriage to the right, the KH knits.



Move the carriage to the right, the KH knits. You
have now completed a finished edge by circular knitting.



When you have completed the rib and you want to continue in a stitch using the KH, transfer the

stitches using the transfer needle.

★If you want to use the ribber (KR) side as the right side, make 2 rounds of circular knitting!

HOW TO KNIT 1 × 1 RIB

Set the carriage as shown below. NOTE: Never try to return the carriage from the middle of a row, ensure that the carriage clears all the needles before you try to return it.



The ribber does

a great job.

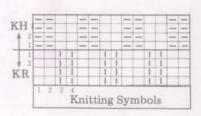


If you have a Transfer carriage you can transfer the stitches very quickly!



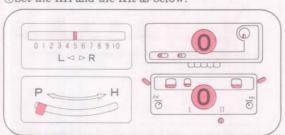
### ●2×2 RIB●





### • FINISHING THE EDGE BY CIRCULAR KNITTING

①Set the KH and the KR as below.



Set the Half Pitch Lever to H so that the first row will be cast on as under 4.

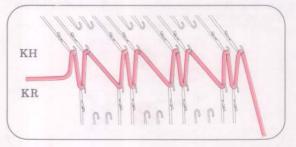




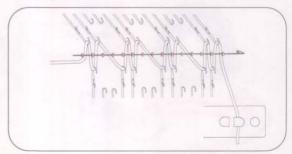
@Using the 2  $\times$  2 needle pusher, place the needles on the KH and the KR as the diagram below.



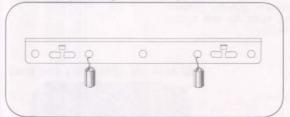
4 Thread the yarn feeder (refer to  $1 \times 1$  rib) and move the carriage to the left. The yarn is caught as below.



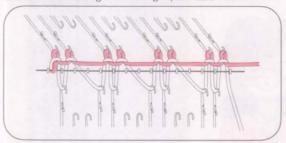
©Take the wire out of the caston comb and push, the teeth of the caston comb up between the yarn as shown below. Keeping the caston comb horizontal, replace the wire. Place the end of the yarn into the clip.



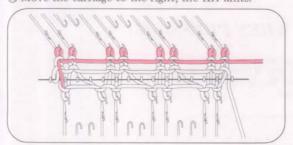
Shang the weights, = 2 large weights for 50-100 stitches. Remember to keep the caston comb horizontal, so hang them evenly.



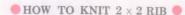
®Move the carriage to the right, the KH knits



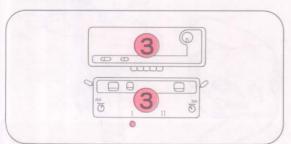
1 Move the carriage to the right, the KH knits.



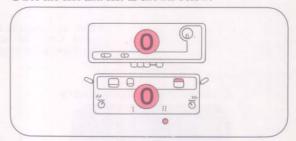
\*After transferring the stitch push the empty needle to A position.



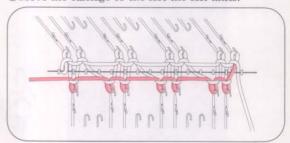
Set the carriage as below and knit the desired number of rows.



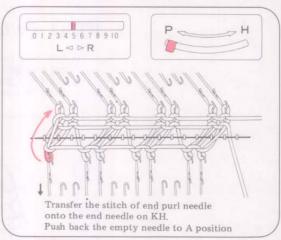
The Set the KH and KR as shown below.



Move the carriage to the left the KR knits.



1 Set the Half Pitch Lever to P.





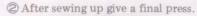
If you want to use the ribber (KR) side as the right side make 2 rounds of circular knitting.

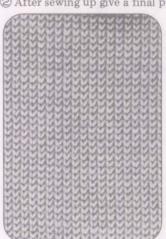
### PRESSING

When the knitting is complete, pin the garment pieces onto the pressing table to the correct shape and press very carefully.









### 1: WHAT TO USE WHEN PRESSING

① It is best to use a steam iron when working in 100% wool, but if you are using a synthetic yarn, read the label for instructions on how to press.

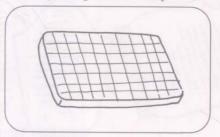




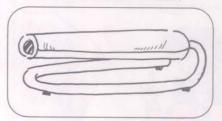


### 2 Pressing

Use a pressing table for flat pieces.

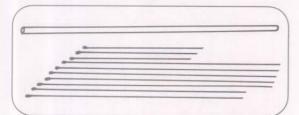


Use a sleeve board for seams.



### Binding wire and blocking pins

BINDING WIRE
Use the binding wire either by threading along the edge stitches or by winding method.



BLOCKING PINS

Blocking pins are used to pin the edges of the garment pieces.



2: CHOOSE THE CORRECT TEMPERATURE FOR THE YARN BEING USED

Type of Fibre	Approx temperature
Linen	180"-190"C
Wool	160°-180°C
Silk	140°-170°C
Rayon, polyester nylon and acrylic	130°-170°C



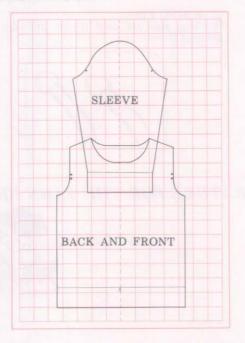


### 3: HOW TO PRESS A SWEATER

1 Always press your garments before sewing



Trace the pattern pieces you have knitted onto another piece of paper. ②Spread the marked paper onto the pressing table.



SLEEVE

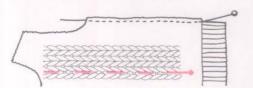
BACK AND FRONT

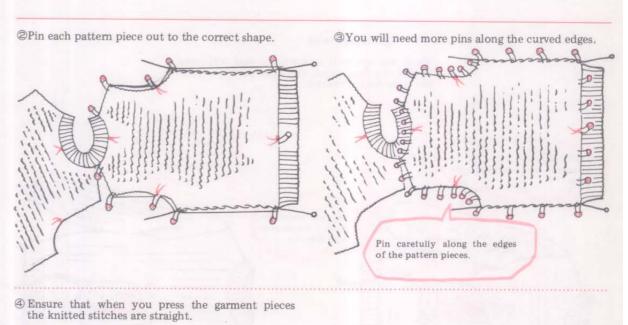
### PRESSING THE BACK AND FRONT

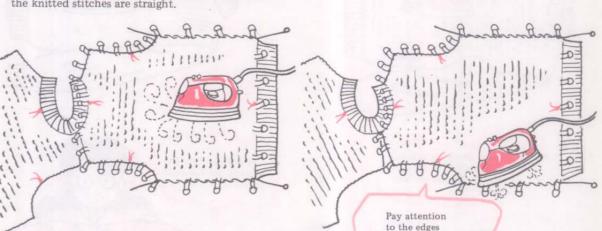
Binding wire using the winding method...

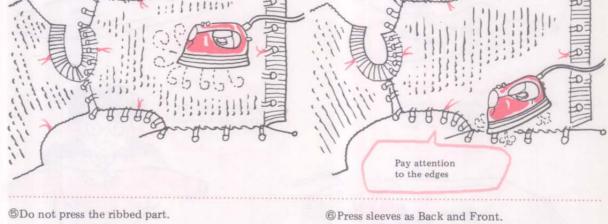
Binding wire threading through.

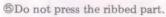


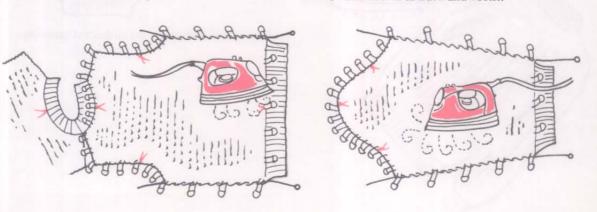






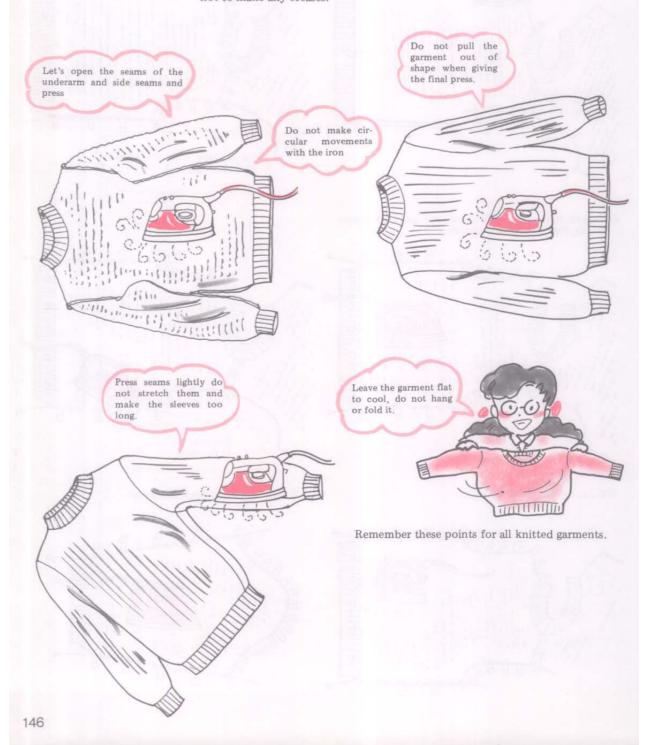








When the garment is sewn up you will need to give it a final press. You must be very careful not to make any creases.



## USING A SEWING MACHINE FOR MAKE-UP

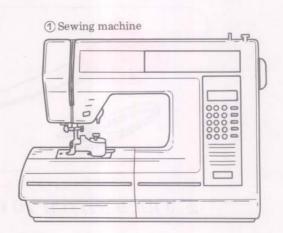
Sewing by machine saves time and gives a good finish. You can adjust the stitch according to the type of garment you are sewing.



#### 1: HOW TO CHOOSE A SEWING MACHINE



There are two types of sewing machine:- the straight stitch and the zig-zag. You can use both kinds for sewing knitting.



@What kind of thread should you use?

Cotton thread

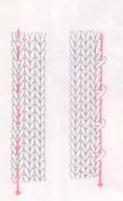


As knitting stretches it is better to use the special stretch threads available.



#### 3 Basting

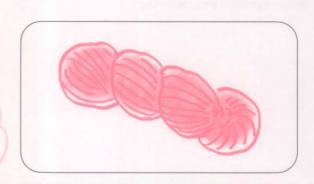
Before you baste use the binding wire as shown below.





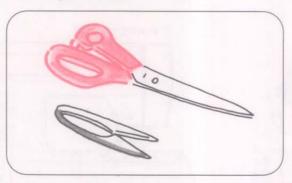
If you use the binding wire by winding or threading, you will find it much easier to use a sewing machine.

Using a good quality basting thread and ensuring that the stitch designs match, carefully baste the seams.



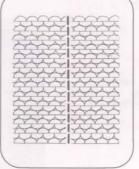
#### 4 Scissors

It is essential with dressmaking and knitting alike to have a good sharp pair of scissors.

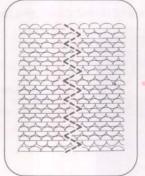


#### 2: WHICH STITCH TO CHOOSE

#### 1 Straight stitch



#### ② Zig-zag



Where more elasticity is required use the zig-zag

#### 148

This is the basic stitch on all sewing machines. Use this stitch where there is not a great deal of elasticity and a neat firm line is required.

#### 3: ORDER OF MAKE-UP

Let's take as an example a sweater using a sewing machine. Ensure that all garment pieces are pressed well before make-up.

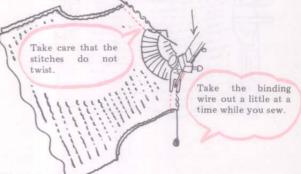


#### Baste first then use the sewing machine

① Place the two pieces with right sides together and use the binding wire.

②Baste the seam ensuring that the length of the seam is correct. Finally use the sewing machine choosing the correct stitch.

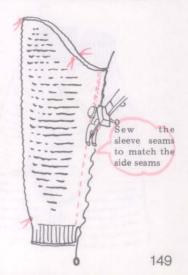


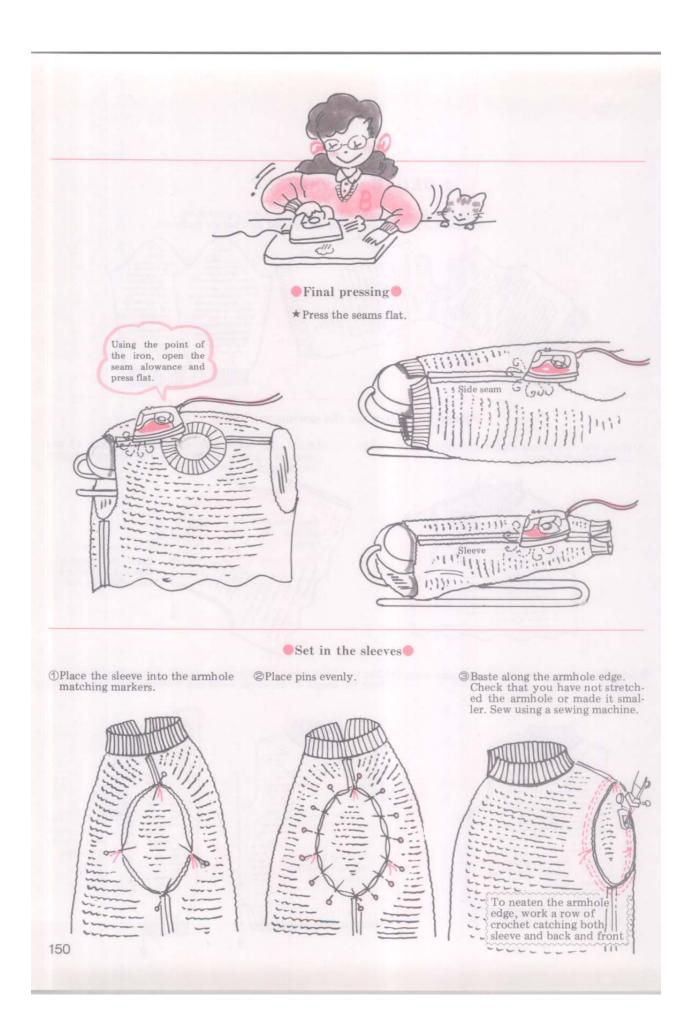


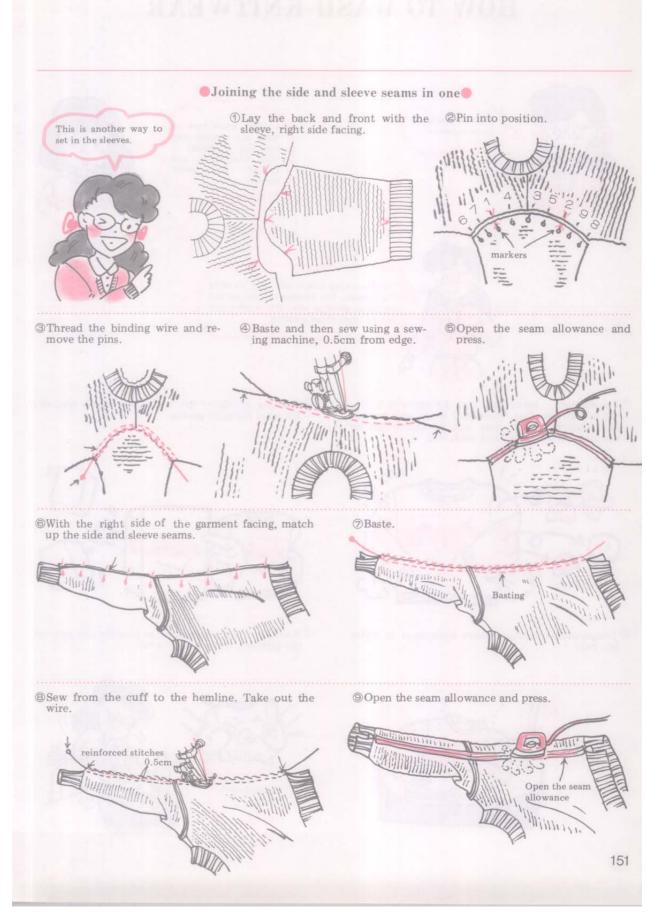
3 Join the side seams in exactly the same way. 4 After you have pinned into position thread the binding wire, check the length of the seam, baste and then use the sewing machine.











## HOW TO WASH KNITWEAR



I didn't know how to wash my sweater and one day I washed it with other things and spoiled my lovely my sweater.

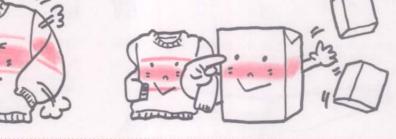




Good washing means not only cleaning the garment, but keeping the texture and colour as good as new, this is what you should know about washing.

- ① Preparation make sure that the garment is dry, shake out any dust, mend any holes, and remove any buttons which may not be colour-fast or decorations which will not wash well.
- Washing agents use a cleaning agent specially for wool for good results.

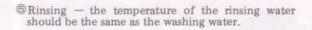


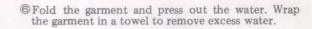


- Temperature never, never wash wool in water too hot!
- Washing wash as quickly as possible and squeeze the garment, never brush or rub.

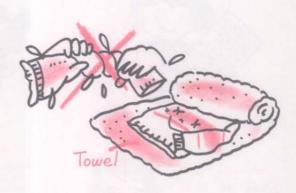












⑦ Drying — place the garment on a flat surface spreading the garment evenly. Tilt the board or set slightly to let the water drain. When it is almost dry hang the garment.

Sinishing — if you must press the garment use a steam iron holding it away from the garment and being careful not to stretch it.







y easy!

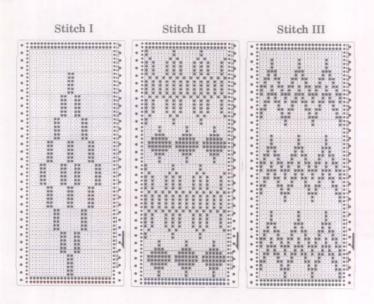
It's not so dif-

ficult!



## MAKING YOUR OWN PUNCH CARD



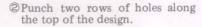


- The blank card has 60 rows. You do no have to use all 60 rows but you mus make the card long enough so that it car rotate in the machine. If your pattern i 40 rows long, repeat it once, if you pattern is 20 rows long repeat it twice.
- © Ensure that there are two rows of punch ed holes at the top and bottom of th card.
- ③Place the card into the machine and join together. Lock the card on row 1. The first row that is selected is actually 7 row below.
- The centre of the pattern is the 12th o 13th stitch counting from the left.
- ©You must have at least 36 rows punched to enable the card to rotate.

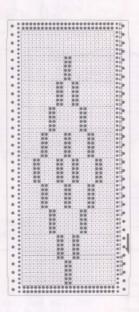


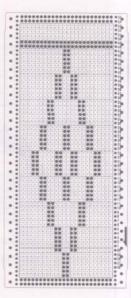
What happens when your stitch design is less than 60 rows?

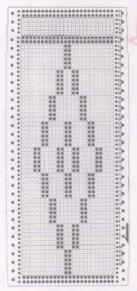
This stitch design is less than 60 rows.



©Cut off the top part of the card above the 2 rows of punched holes, then trim the card at the sides to enable it to join up.





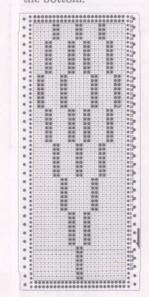


Cut off this part

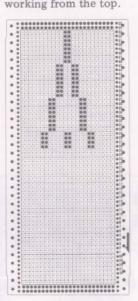


What happens when your stitch design is more than 60 rows?

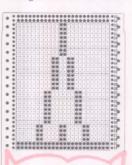
1 Punch the first card to the top, working from the bottom.



② Take a second card and punch the remaining part of the stitch design, working from the top.

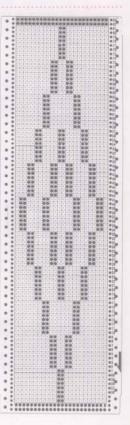


Punch two rows of holes at the end of the stitch design on the second card.

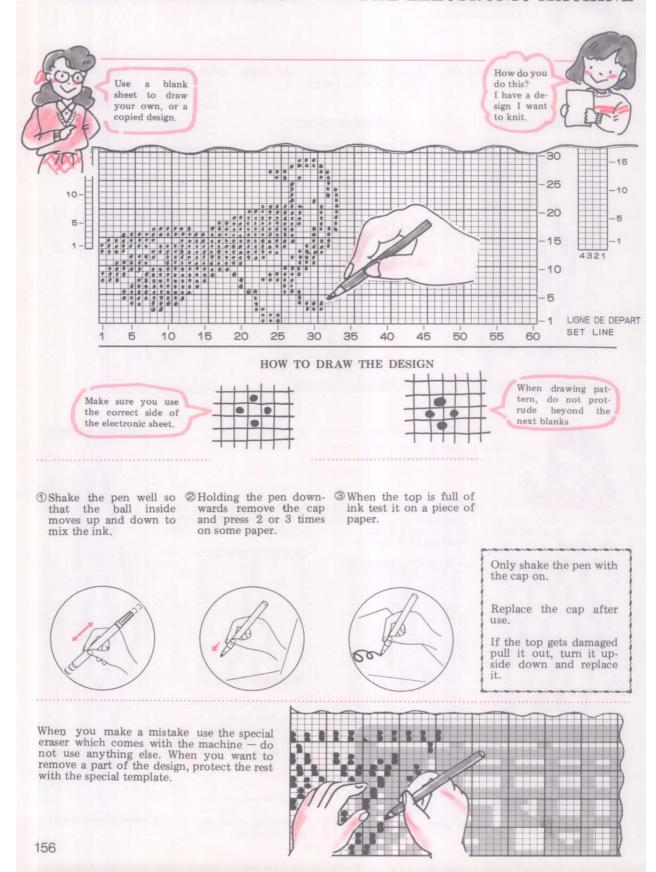


Cut off the lower part of the card below the 2 rows of punched holes. Trim the sides of the card so that it joins easily.

Using the snaps join the two cards together overlapping so the design is complete.



## MAKING A STITCH DESIGN FOR THE ELECTRONIC MACHINE



## HOW TO WORK 2×2 RIB• USING A LATCHET TOOL

① Bring forward every 2 needles to B position. Knit 1 row and hang the caston comb.



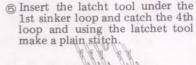
@ Waste knit. Knit 1 row with the special caston thread. Set the Tension Dial to 2. Knit 3 rows at the finished edge at tighter tension.



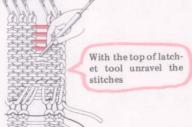
3 Using a transfer tool, pick up the sinker loop onto the empty needles as below.

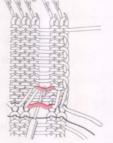


Set the Tension Dial to 4, and knit the required rows for 2 x 2 rib. Drop the 3rd stitch from the right.

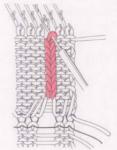


@Repeat until you reach the top the hook of the needle.

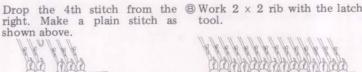


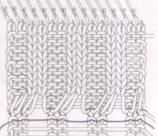


then hook the last stitch ont

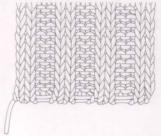


 $\ensuremath{{\mbox{$ \odot$}}}$  Drop the 4th stitch from the  $\ensuremath{{\mbox{$ \otimes$}}}$  Work 2  $\times$  2 rib with the latchet right. Make a plain stitch as tool.





@Remove the caston thread. The 2 × 2 rib. is complete.



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