Instruction Manual For KG-88 On The Electronic Knitting Machine (Modified KH-910)

This is the supplementary instruction manual for explaining some special points to use the G-Carriage on the Electronic Knitting Machine (Modified KH-910). You can enjoy your original stitch patterns by the combination of the G-Carriage and the Electronic Knitting Machine. Read this leaflet with the Instruction Manual of KG-88 and retain it for future use.
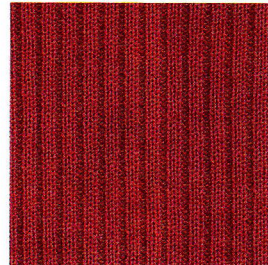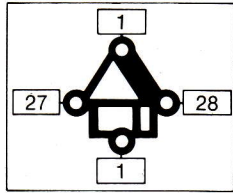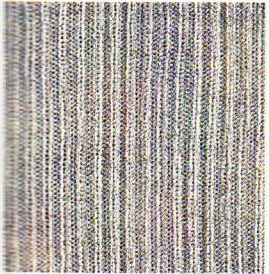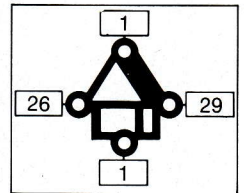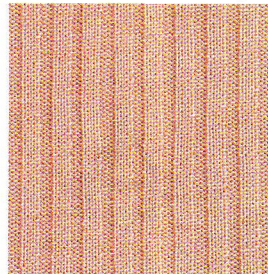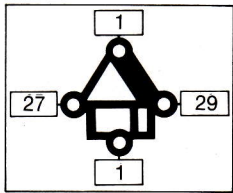
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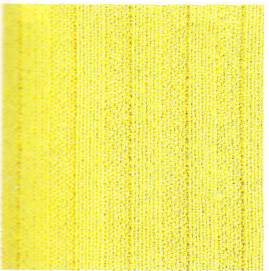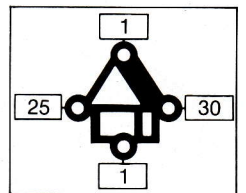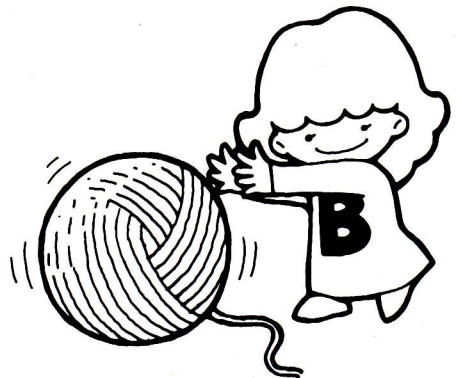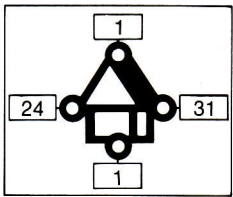
RIB KNITTING PATTERNS
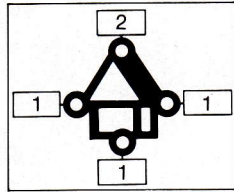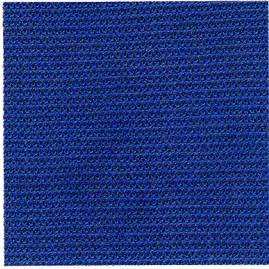Use the attached card No. 3-12
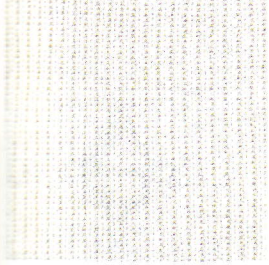
1X1 RIB KNITTING

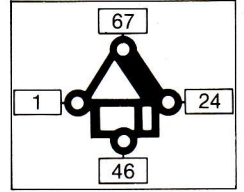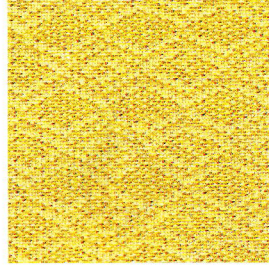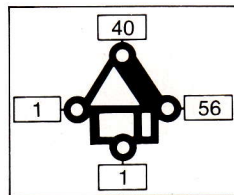2X2 RIB KNITTING

2X1 RIB KNITTING

3X3 RIB KNITTING

4X4 RIB KNITTING

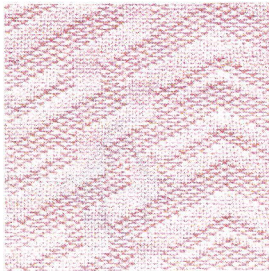# MULTI GARTER STITCH PATTERNS

Card No. 1-1

    (GARTER STITCH)

Card No. 1-2
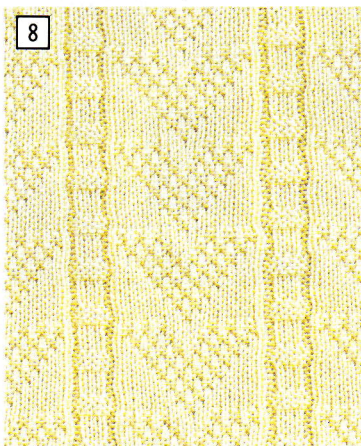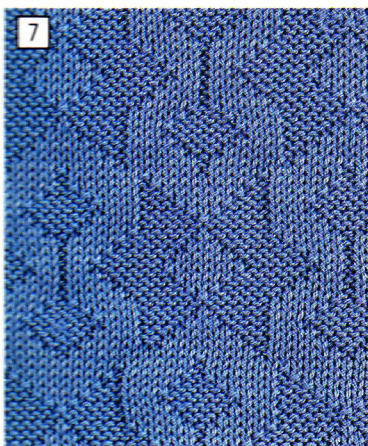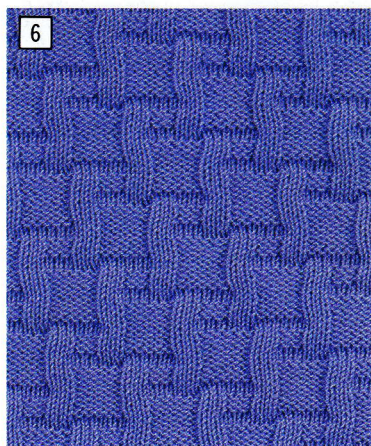

Card No. 2-7

ORIGINAL PATTERN VARIATIONS

10

11

12

13

14

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16

1

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2

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6

3
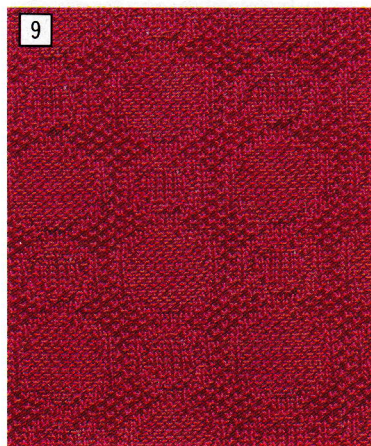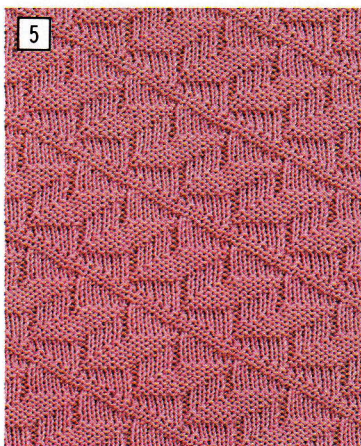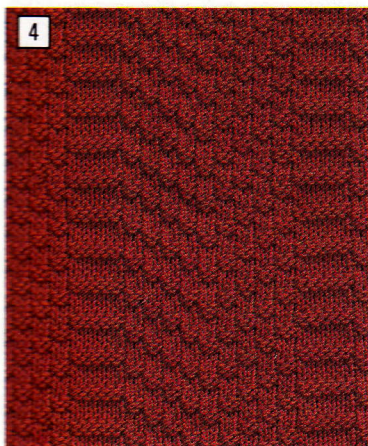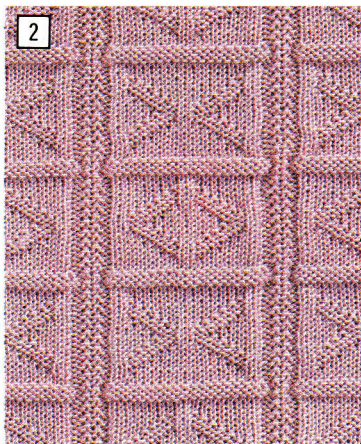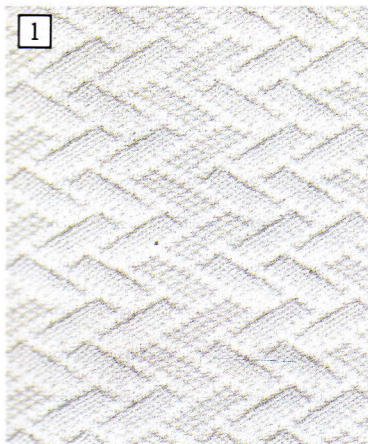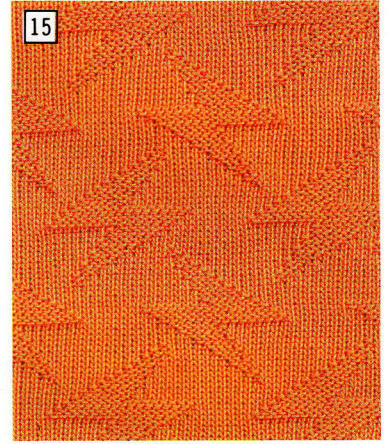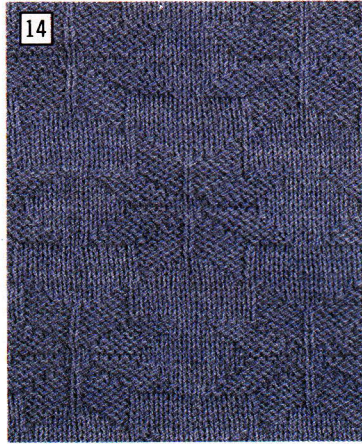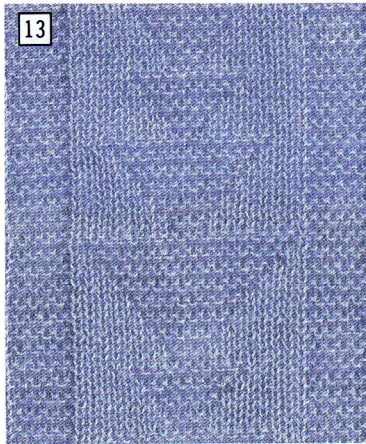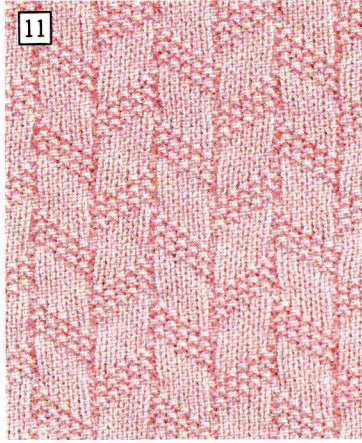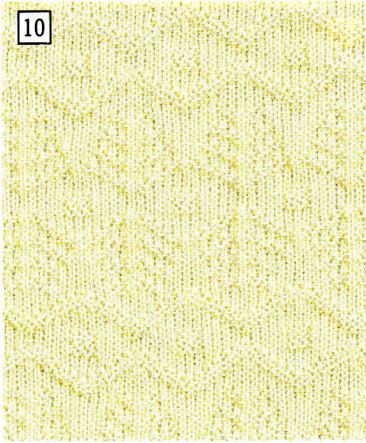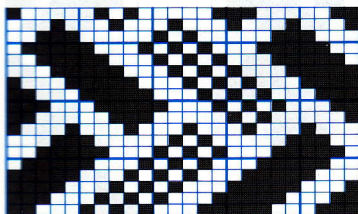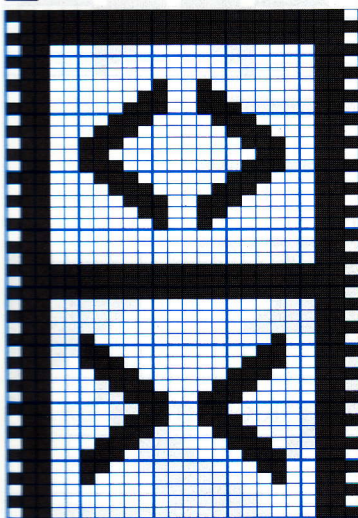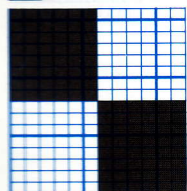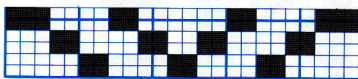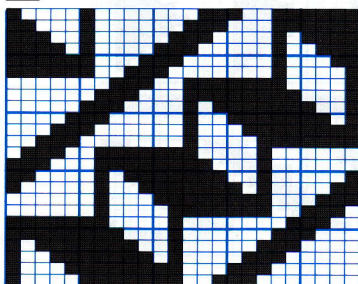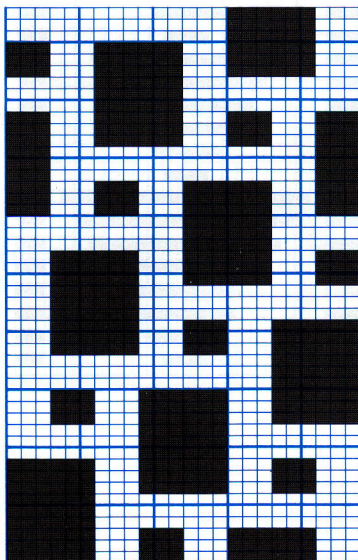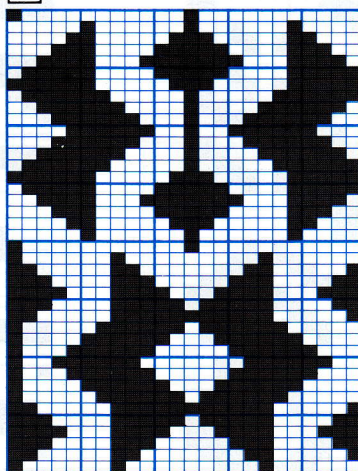
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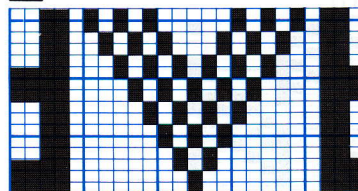
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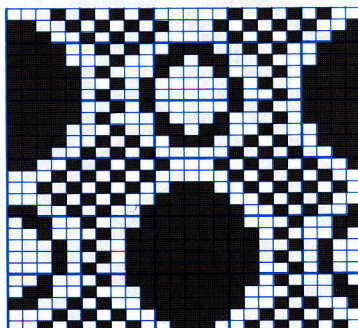
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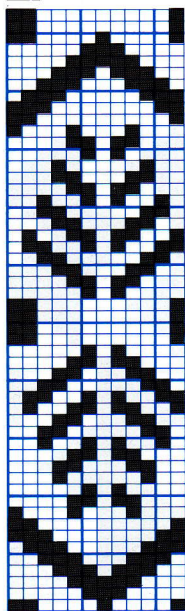
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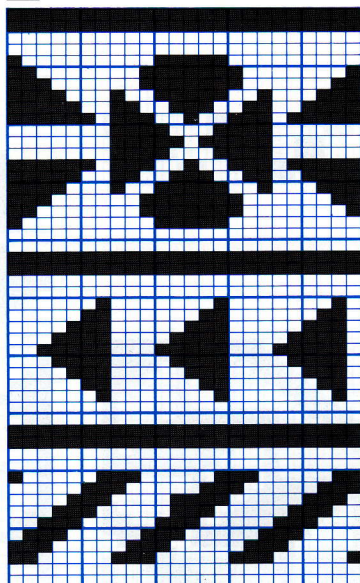
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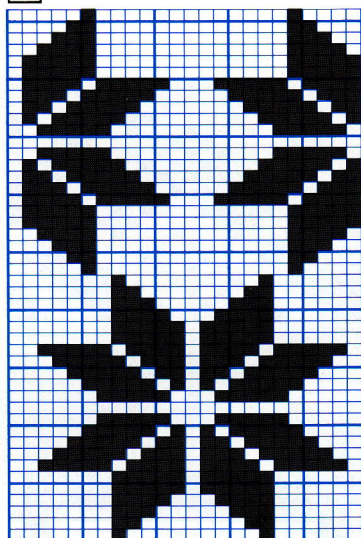
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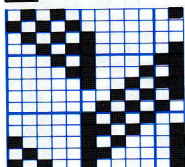
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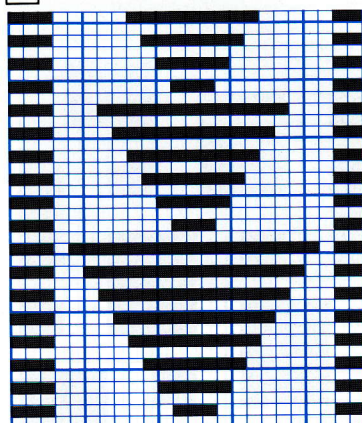
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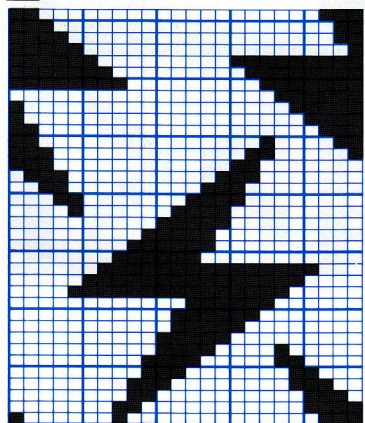
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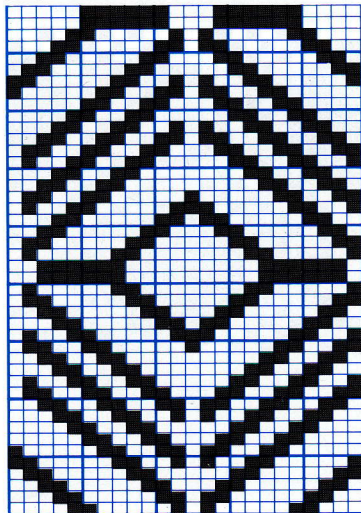
ACCESSORIES

FOR KG-88
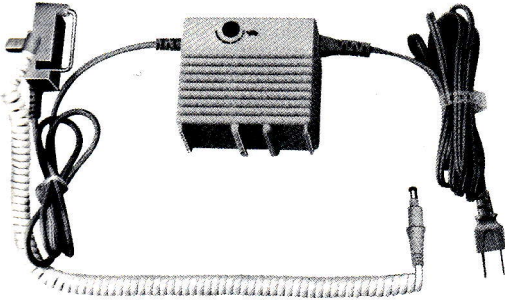
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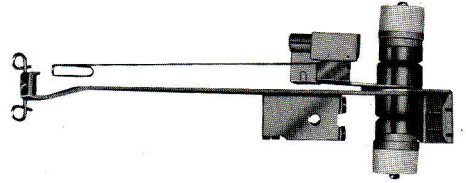
Head of the Yarn Tension Unit
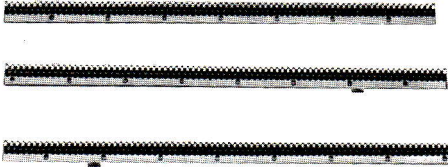
Racks (L.M.R)

FOR KG-88 WITH MODIFIED KH-910/

Magnets
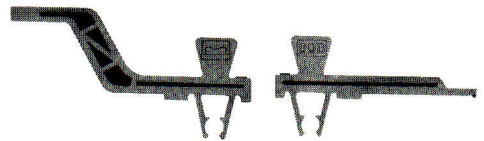
Trippers (Knit-Leader /Row Counter)

CONTENTS

1. CHANGE THE FOLLOWING PARTS BEFORE YOU USE THE MACHINE

(1) YARN TENSION-G

Refer to page 3 of the Instruction Manual of KG-88.

(2) RACKS

Refer to page 3 of the Instruction Manual of KG-88.

(3) TRIPPERS

1. Remove the both trippers of KH-881.

pull out
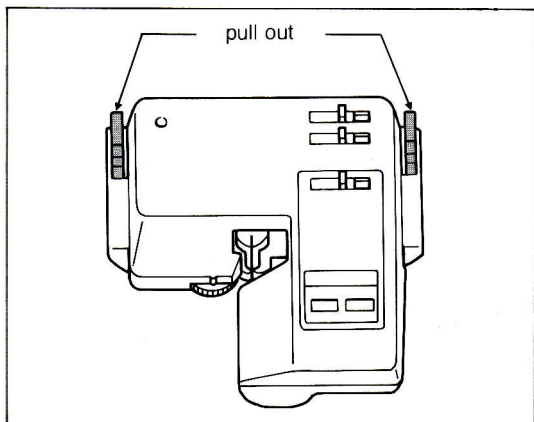
2. Put the Knit-Leader tripper into the left hole. (□mark)
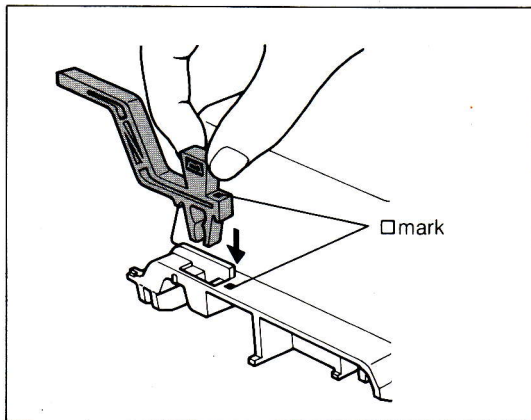
□mark

3. Put the Row Counter Tripper into the right hole. (△mark)

△mark

(4) MAGNETS

○marks should come inside

Push them until you hear "click"
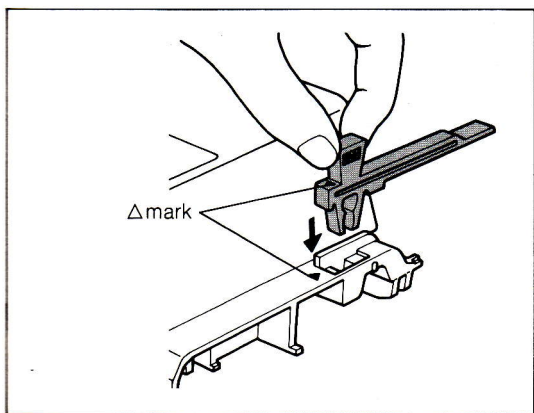
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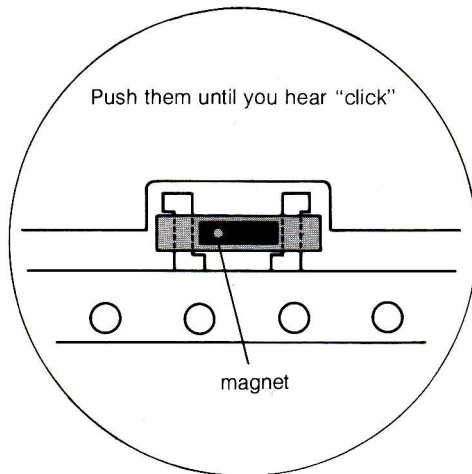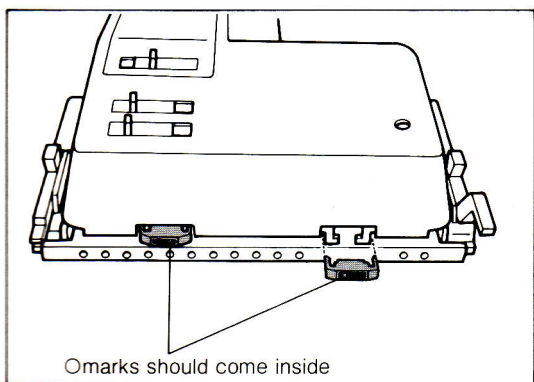
2. PROGRAMMING

* Use the attached cards or make your original one, if necessary.
* The Needle-G works at ■ part of the card and the main bed needle works at the blank.
* Make use of attached cards and choose proper part to knit rib pattern. (Refer to gravure page.)
  You can enjoy various rib patterns and stitch patterns from one card.

<EXAMPLE>
1X1 RIB KNITTING

Imput the same number for the 1st and the last row in the rib knitting pattern

First needle position

Pattern width

Needle-G works

Mainbed's needle works
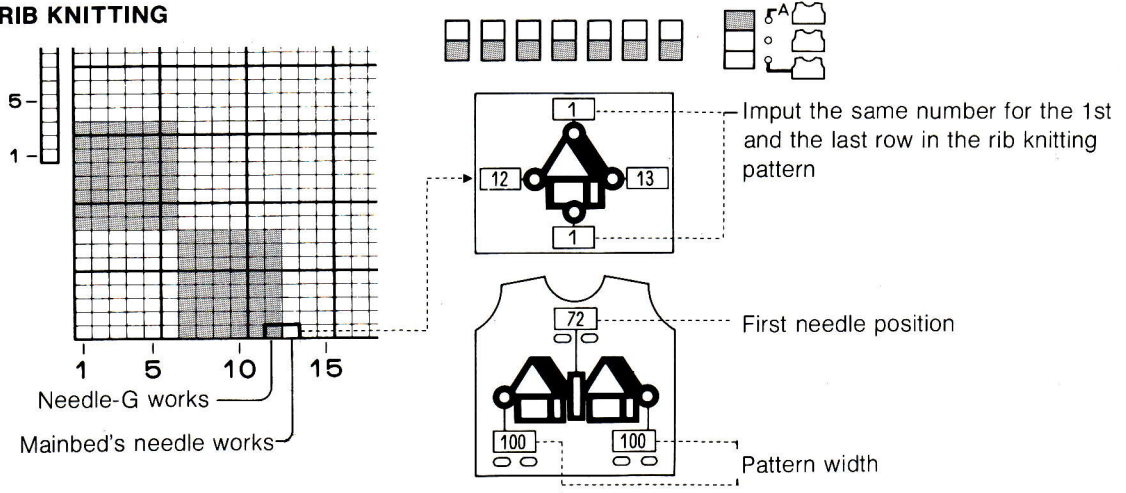
THE OTHER RIB PATTERNS
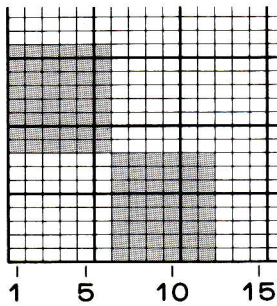
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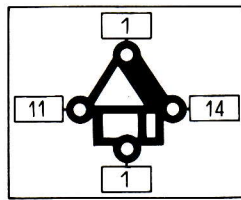
2X1 RIB
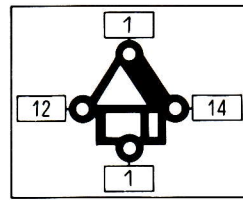
3X3 RIB
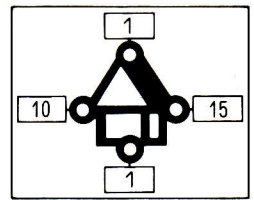
3. LET'S START KNITTING. . . .

1. Set the pattern card at the Set Line.
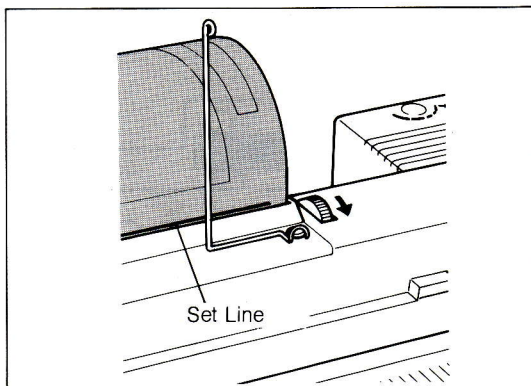
2. Hold the side of the G-Carriage by both hands and put it on the Extension Rail. (R)

Set Line

Mark
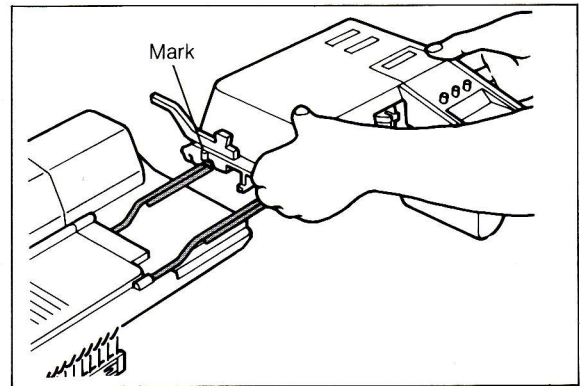
3. Push the G-Carriage until it stop.
   Make sure that the front foot fix on the needle bed.

Front Foot
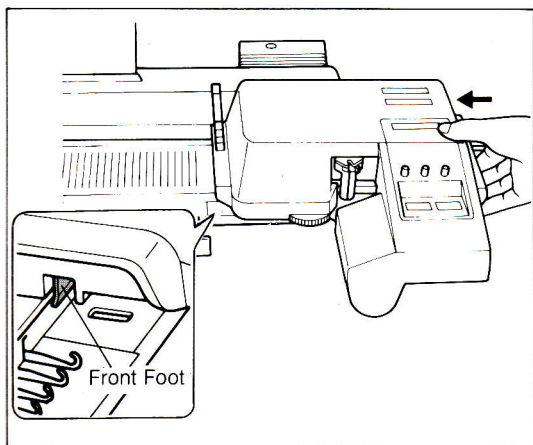
4. Put the Pin Plug in.
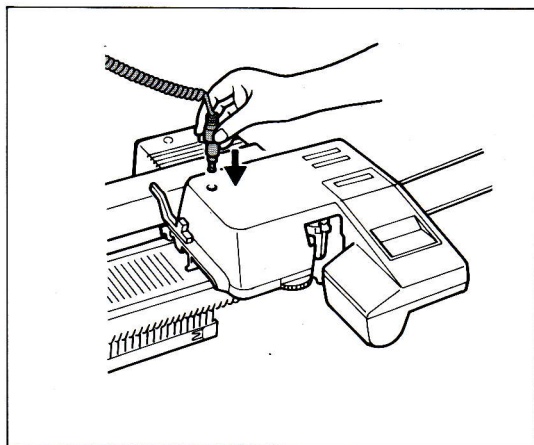
5. Plug in.
   When you put away the machine, first take off the main plug, then take off the Pin Plug.
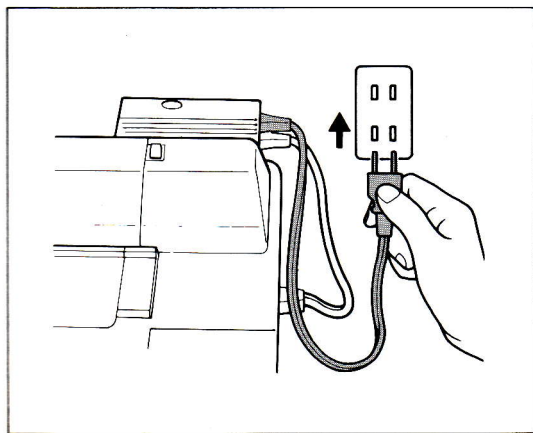
6. Turn the Power Switch on.
   Make sure that the G-Carriage is at the outside of the [I] Turn Mark.
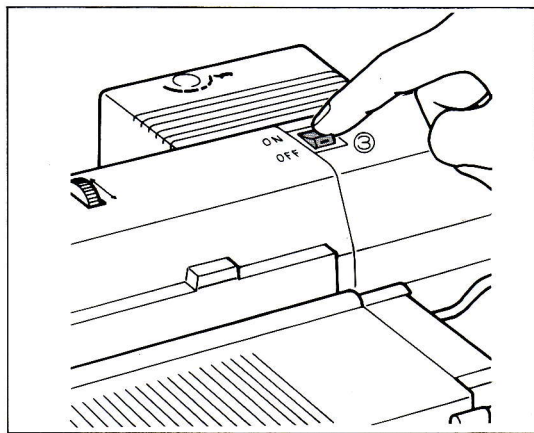
7. Put the G-Carriage on the needle bed with reference to the Instruction Manual.
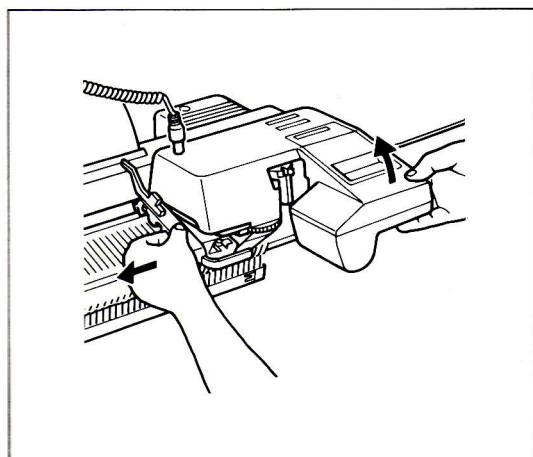
Remember to pass the Turn Mark [I] from the outside to tell the machine that the G-Carriage is going to work.
Make sure that the Pattern Position Lamp is on. (This lamp shows the machine is ready to work with G-Carriage. If the Lamp is not on you cannot knit the pattern correctly.)

READY   ERROR

Pattern Position Lamp
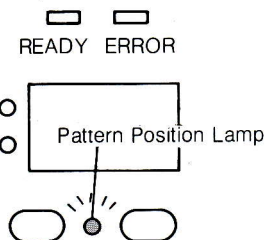
8. Program the pattern in the machine.
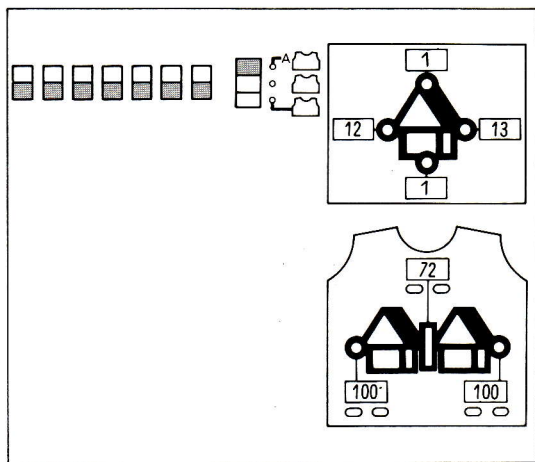
9. Push ⬚CF key.
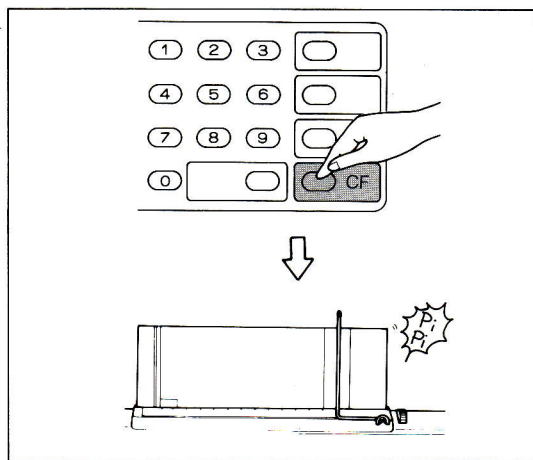
10. Thread the yarn with reference to the Instruction Manual.
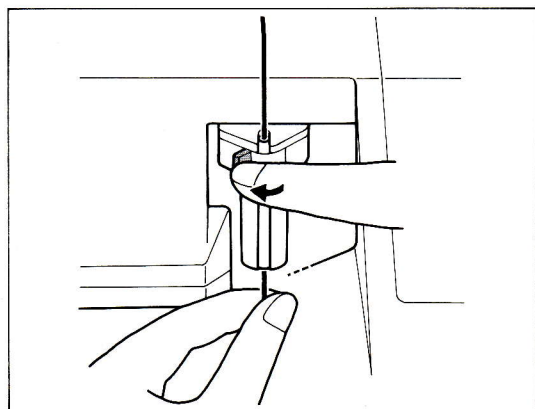
11. Set the levers and the Row Counter at the proper position and the number.
Then start knitting.
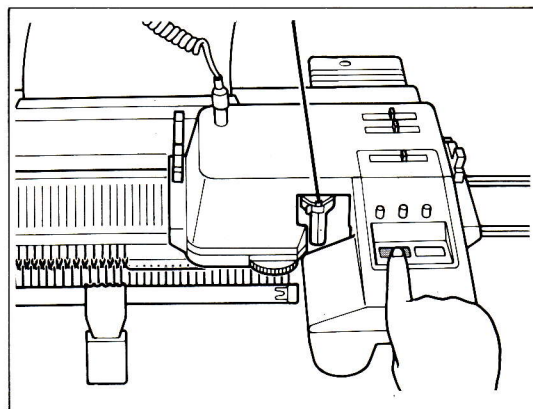
4. CASTING-OFF

It is explained in the Instruction Manual of KG-88 (page 16 ~ 19) but pay attention to the Power Switch.
If the Power Switch is on, the G-Carriage can cast off only ■ part of the pattern card.
Remember to turn the switch off when you want to cast-off.

Set the dial at the same tension as the main knitting
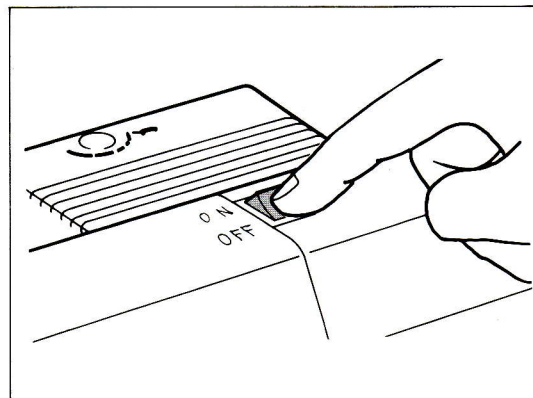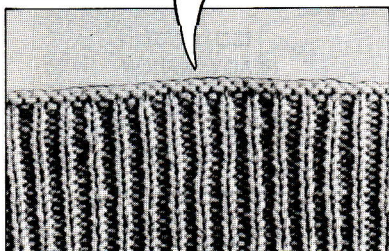
5. HOW TO SHAPE A NECK LINE
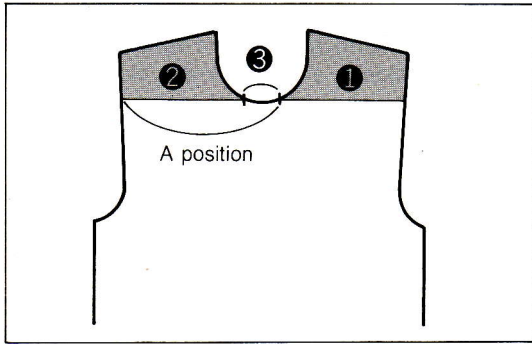
A position

* It is impossible to place the needles at D or E position in using G-Carriage. So shape a neck line by uing A (Non working) position.
* When you are using the Double Length pattern (No. 4 switch) knit the neck line separately after knitting the even number row.
* When you are using the Reflection pattern (No. 5 switch) remember the direction of the pattern. (whether you are knitting from top to bottom or bottom to top.)

1. Stop the G-Carriage when you want to begin knitting separately.

   (1) IF you knit in ⊂⊃ (self turning) position, switch the Self Turning Lever to ⇌ position in the row you want to stop. (to prevent the G-Carriage from turning over.)

   (2) Stop it.

CARRIAGE DIRECTION LEVER
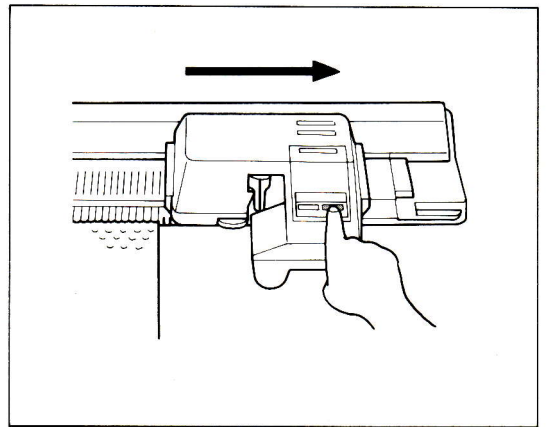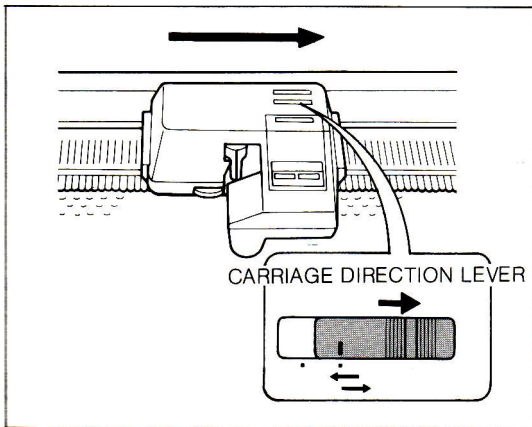
2. Mark on the L-window of the card.
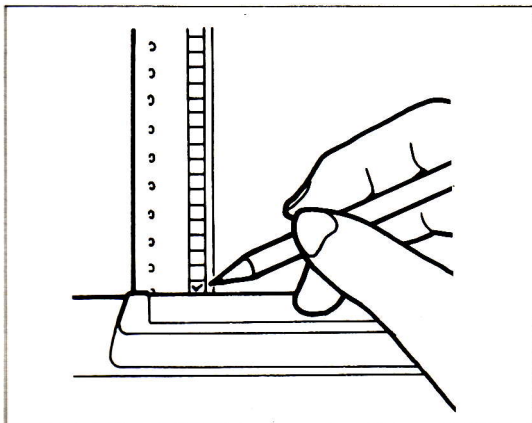
3. Refer to the step from No. 3 to No. 6 on pp. 25 ~ 26 of the Instruction Manual and knit the right shoulder ①. Then arrange the needles of part ② to B position. (Part ③ needles are still remain at A position.)

— 6 —
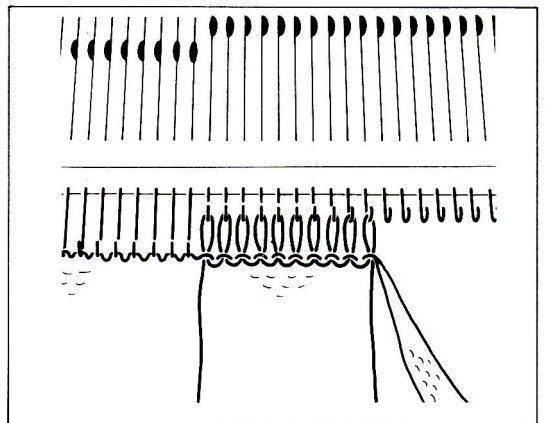
4. Set the G-Carriage at the right side of the knitting.
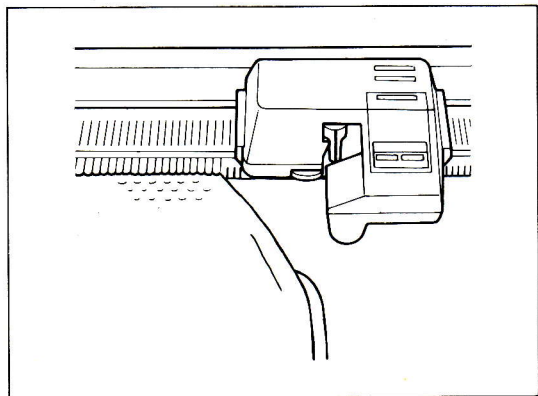
5. Put back the card at the mark in the L-window you made before.
   (1) Push ⬭RR key.
   (2) Enter the number of the row you checked before and push ⬭CF key.

L-window

Mark (136)
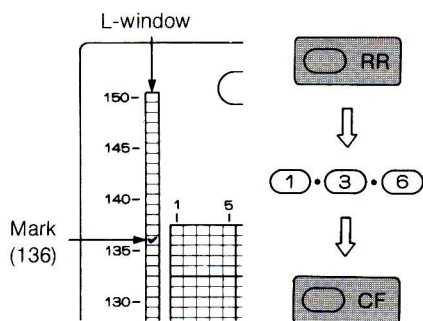
* IN THE REFRECTION PATTERN CASE
  Put back the card according to the direction of the pattern.

IN KNITTING FROM BOTTOM TO TOP

RR ⇨ ⬭CF ⇨ ① ③ ⑥ ⇨ ⬭CF
                checked number

IN KNITTING FROM TOP TO BOTTOM

RR ⇨ ① ⑤ ⓪ ⇨ ⬭CF ⇨ ① ③ ⑥
       the last number   checked number
       of the pattern   ⬇
                                        ⬭CF
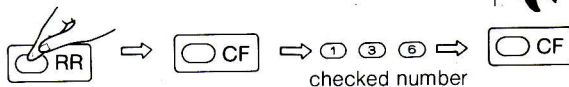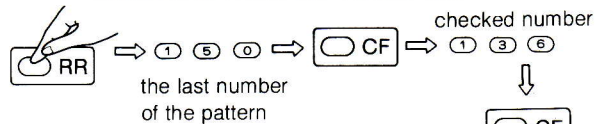
6. Then knit the part ② (left shoulder) and cast off the part ③ with the waste yarn. (Refer to page 27 of the Instruction Manual.)
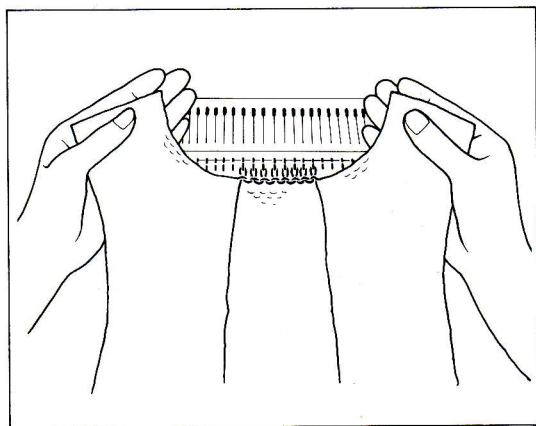
6. HINTS FOR TROUBLED CASES. . .

(1) UNRAVELLING

If the G-Carriage stop moving, refer to page 30 of the Instruction Manual and follow the way of mending. Besides, pay attention to the direction of the G-Carriage when you move it and the row number of unravelling to knit the pattern correctly.

* IF YOU WANT TO UNRAVELL THE ROWS

1. Move the G-Carriage to the same direction as the Carriage Direction Lever shows with holding the front part up.

2. Take out the yarn from the Yarn Guide. (If the yarn end is the opossite side of the G-Carriage, add one to the number of unravelling.)

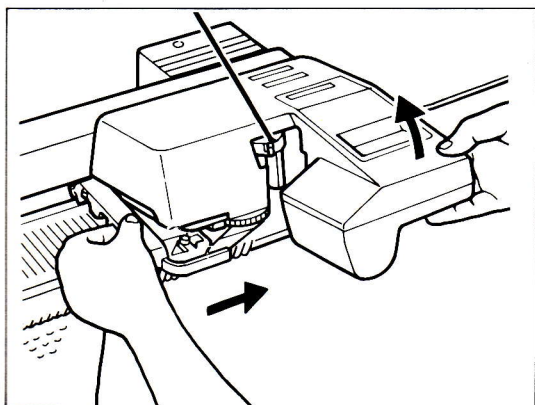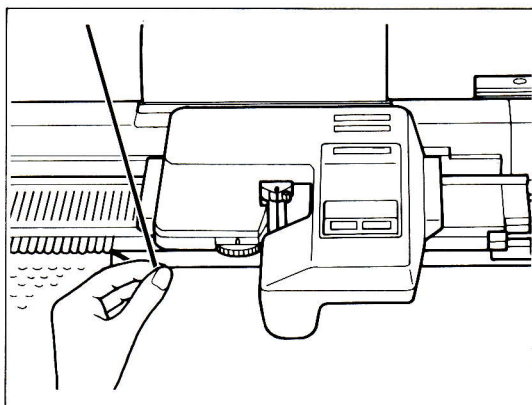

3. Unravell and remember the number of it.
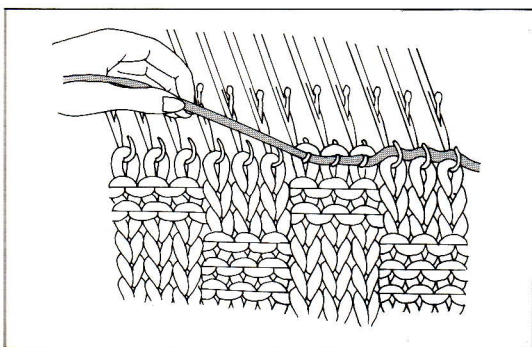
4. Imput the unravelling number and push ◯CR key.

5. Place the G-Carriage at the yarn end side and set the Carriage Direction Lever.

CARRIAGE DIRECTION LEVER

6. Adjust the Row Counter and the Knit-Leader. Then start knitting.

(2) WHEN YOU WANT TO TAKE OUT THE PATTERN CARD WHILST KNITTING

1. Stop the G-Carriage after it complete the last row you want to stop.
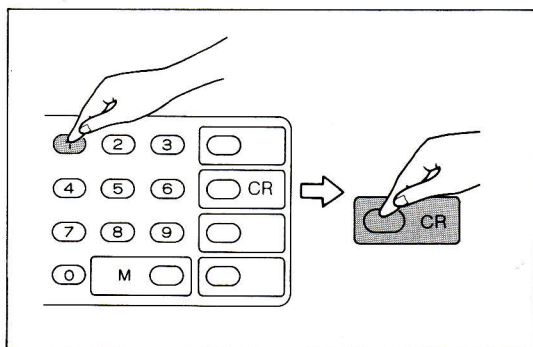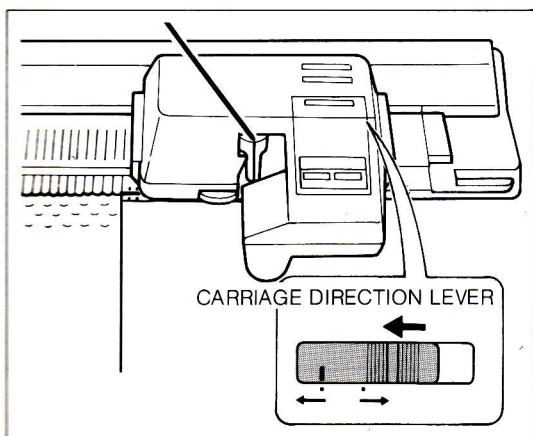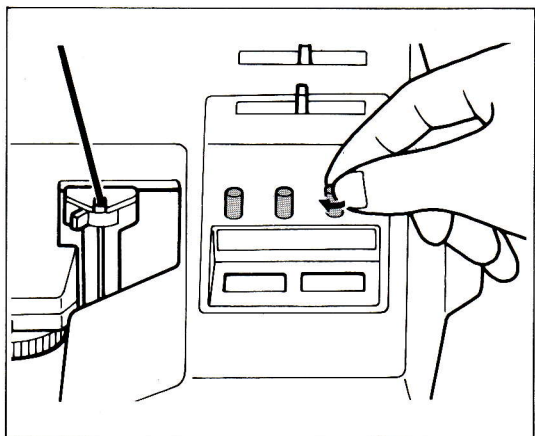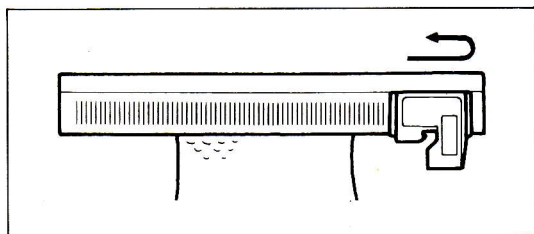
IN ⊂⊃ CASE
   Stop it after its moving direction has changed.

IN ⇆ CASE
   Stop it after it has passed through the knitting swatch.
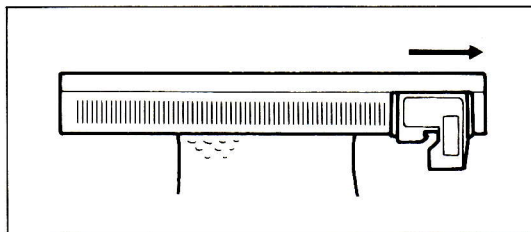
2. Turn off the switch and take out the card by turning the Card Feeding Dial back.

* To start knitting again

1. Put the G-Carriage at the outside of the Turn Mark [▮]

Turn Mark

2. Set the Pattern Card.
   Feed the Card Feeding Dial and set it at the 1st row L-window.

3. Turn on the Power Switch.
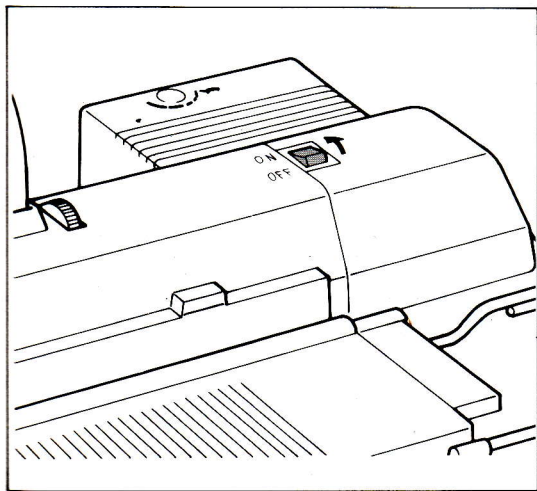
4. Imput the number shown in the L-window ①
and push ⬭RR key.
The card should feed back to the row you start
knitting again.

5. Move the G-Carriage at the edge of the knitting.
Make sure that the Pattern Position lamp is on.

Pattern Position

6. Thread the yarn and set the levers. Then start
knitting again.

(3) WHEN YOU WANT TO TURN OFF THE POWER SWITCH WHILST KNITTING

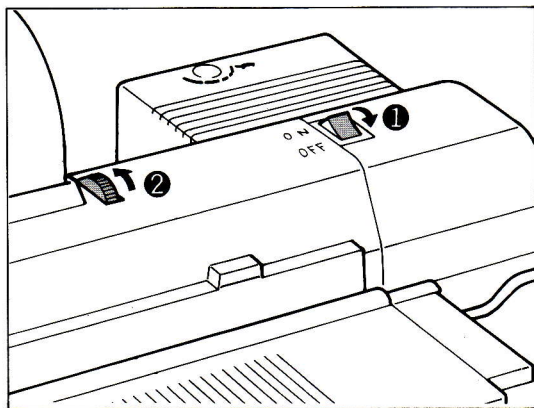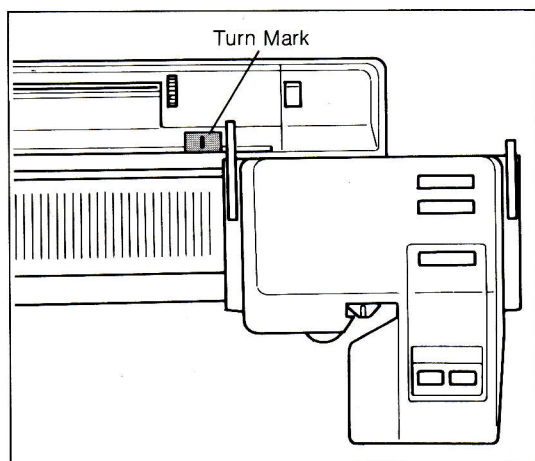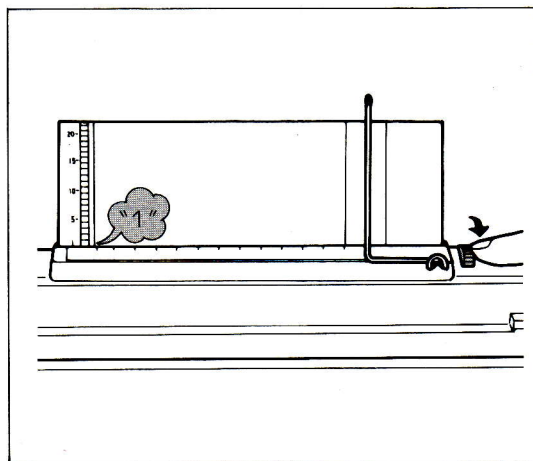1. Stop the G-Carriage after it complete the last row you want to stop.

IN ⊂⊃ CASE
Stop it after its moving direction has changed.

IN ⇆ CASE
Stop it after it passed through the knitting swatch.
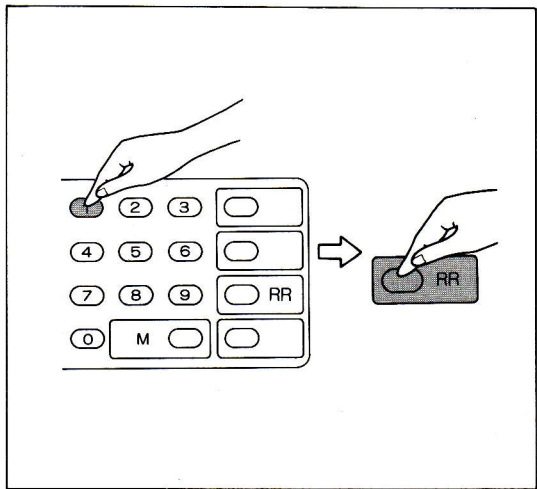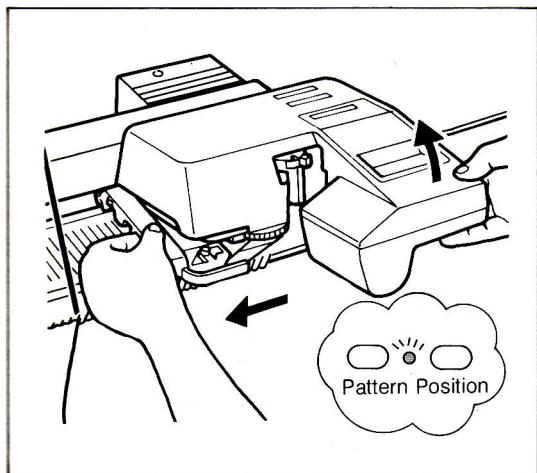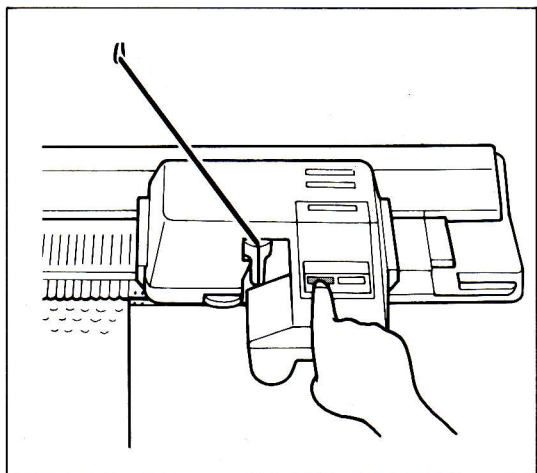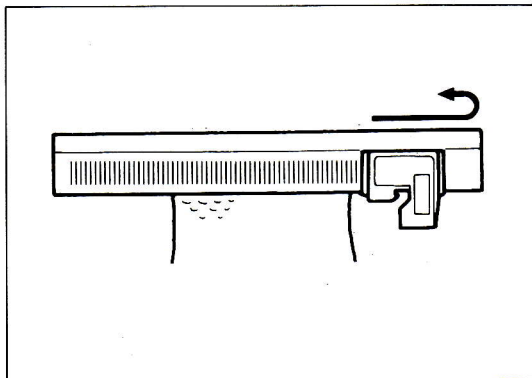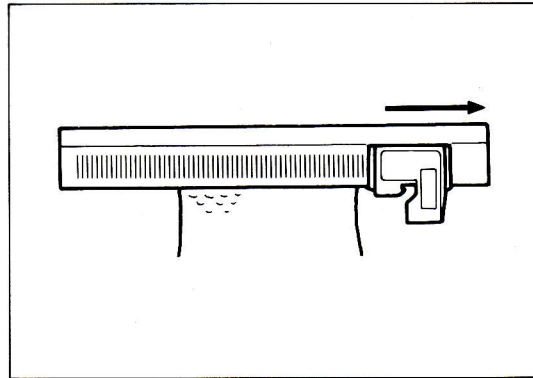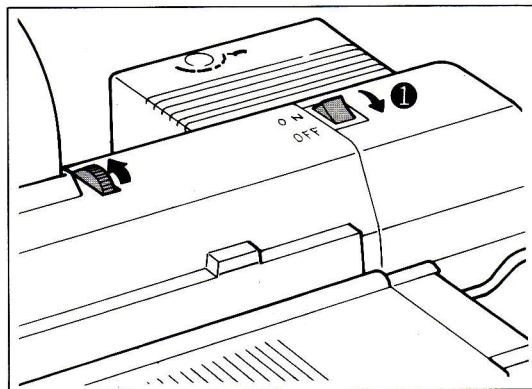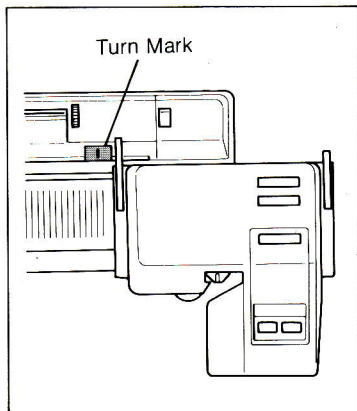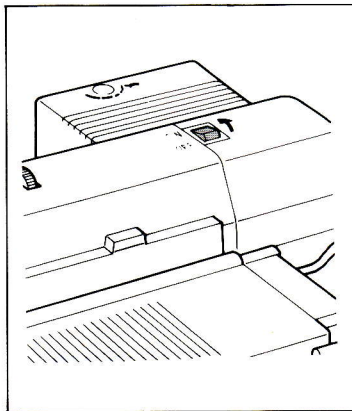

2. Turn off the switch.
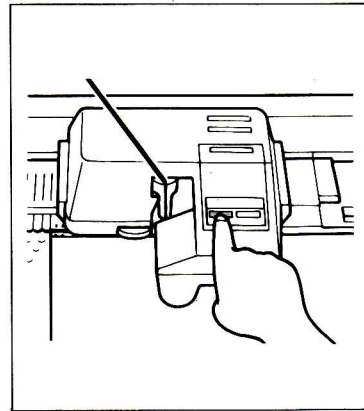

* To start knitting again

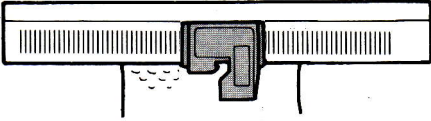1. Put the G-Carriage at the outside of the Turn Mark.
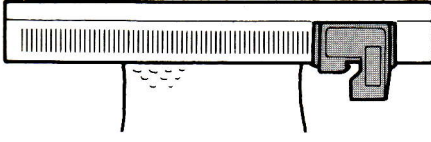
2. Turn the Power Switch on.

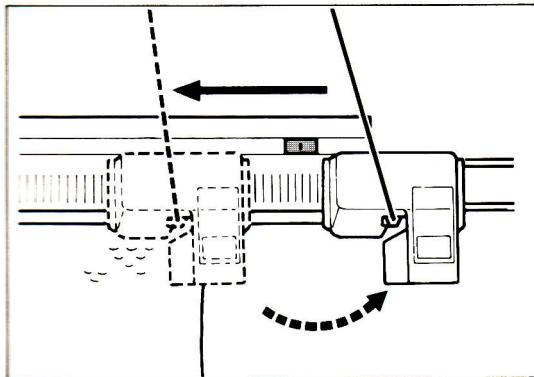3. Move the G-Carriage at the edge of the knitting. Then start knitting.

Turn Mark

(4) IF ELECTRIC POWER IS CUT OFF WHILE PATTERN KNITTING

First check your situation.

| THE PLACE THE G-CARRIAGE HAS STOPPED	
IN THE WAY OF KNITTING	You have to unravell the row. Refer to the following procedure.
THE OUTSIDE OF THE KNITTING	You don't have to unravell the row. Skip the Step No.2 and No.4. • But When the G-Carriage is moving to the knitting swatch in ⇌ position, push ⊙CR → 1 → ⊙CR as explained in Step No.4. (The machine might count that it has knitted one row.)

1. Move back the G-Carriage to the outside of Turn Mark, if the carriage is whilst the knitting. (The other direction of the Carriage Direction Lever.)
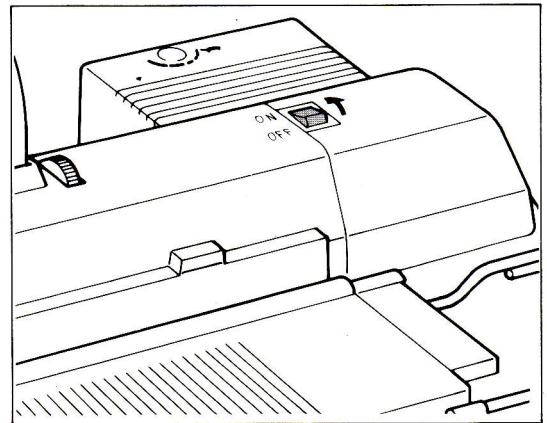

* If the G-Carriage is at the outside of the knitting, move it to the nearer side regardless of the moving direction of the G-Carriage.
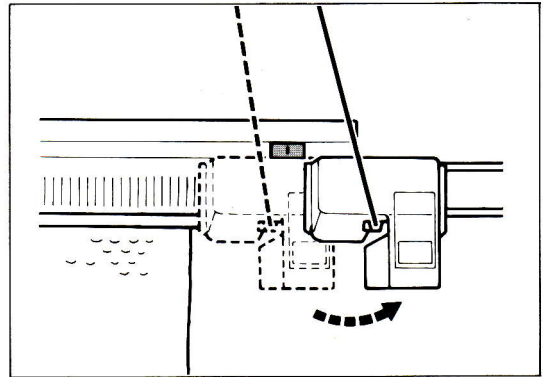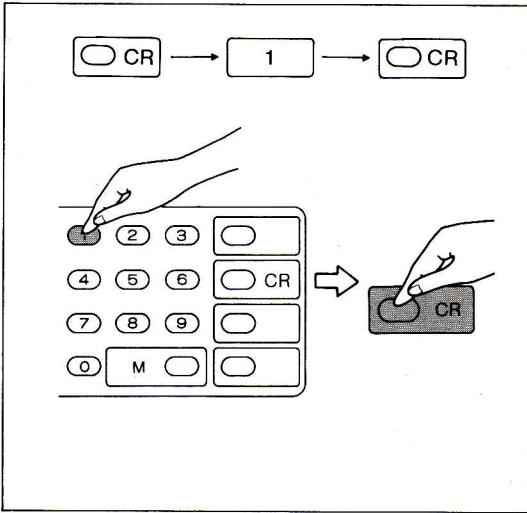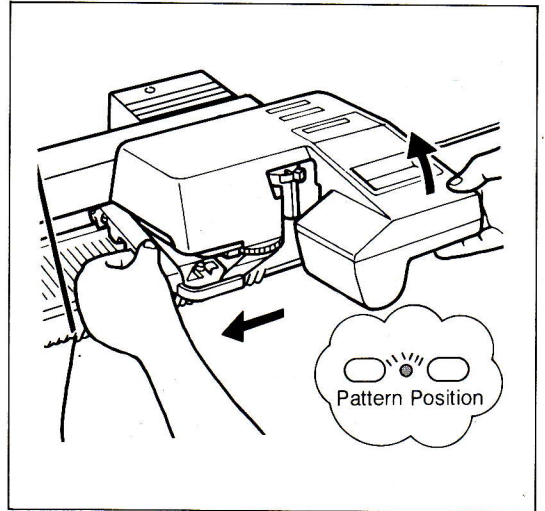

2. Unravell the row.
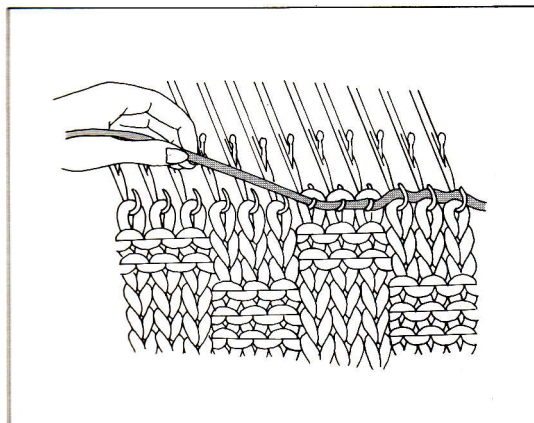
3. Turn the Power Switch on.

4. Push ⬭CR key.
   (Error lamp lights up.)
   Imput ①, then push ⬭CR key again.

5. Move the G-Carriage to the edge of the knitting.
   Make sure that the Pattern Position lamp is on.

Pattern Position

6. Start knitting again.