



MOD. AG30

INSTRUCTION MANUAL

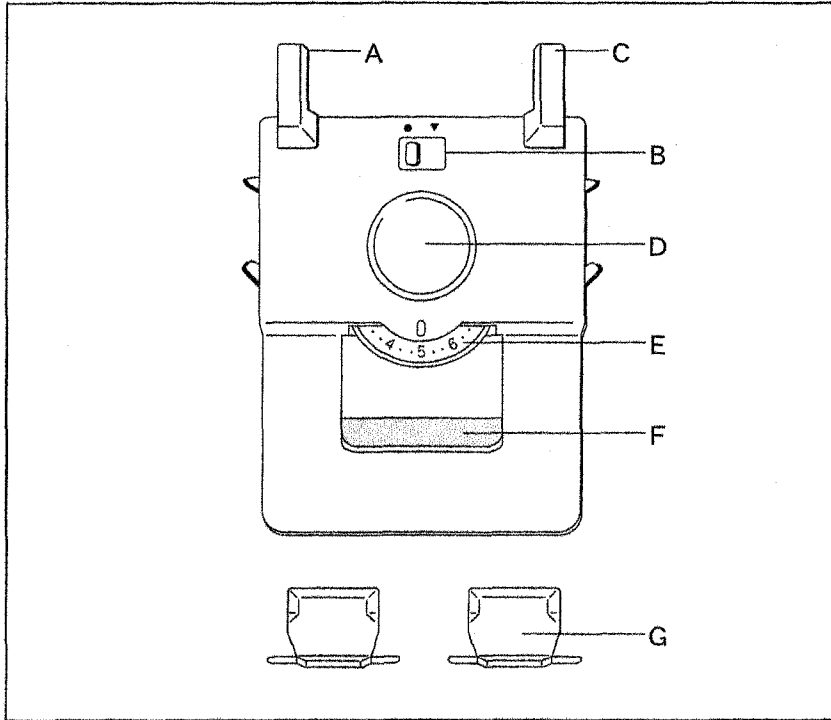
FOR

INTARSIA CARRIAGE



CONTENTS

Names of parts and their function	1
Needle positions and functions	1
How to use the Intarsia Carriage	2
How to set the Intarsia Carriage	4
How to knit stockinet using the Intarsia Carriage	7
If the Intarsia Carriage has jammed while knitting	8
Maintenance	8



NAMES OF PARTS AND THEIR FUNCTION

A— Feeding Lever (L)

Actuates Knit Contour.

B— Release Lever

Releases the Carriage from the Needle Bed, when set to the right position (▼).

C— Feeding Lever (R)

Actuates the Row Counter and Knit Contour.

D— Carriage Grip

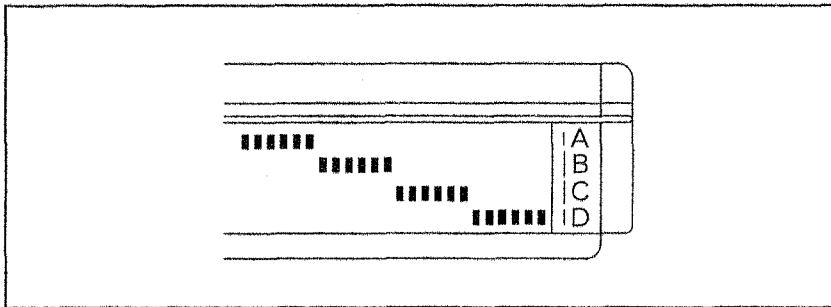
E— Stitch Dial

Regulates the size of stitches. Use the same Stitch Dial number as required for the Main Carriage.

F— Fabric Presser

G— Edge Stitch Pressers (2)

Stabilize the edge stitches.



NEEDLE POSITIONS AND FUNCTIONS

A— Needles do not knit.

B— Needles do not knit.

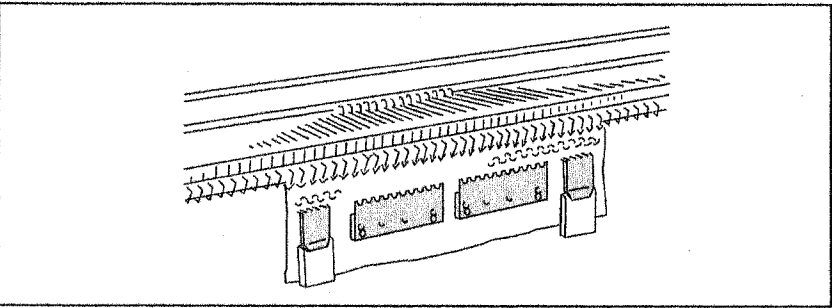
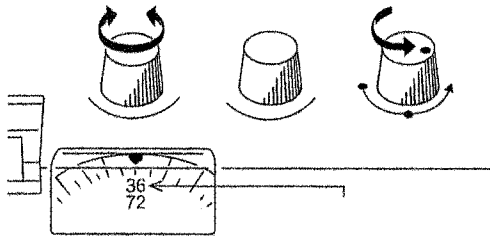
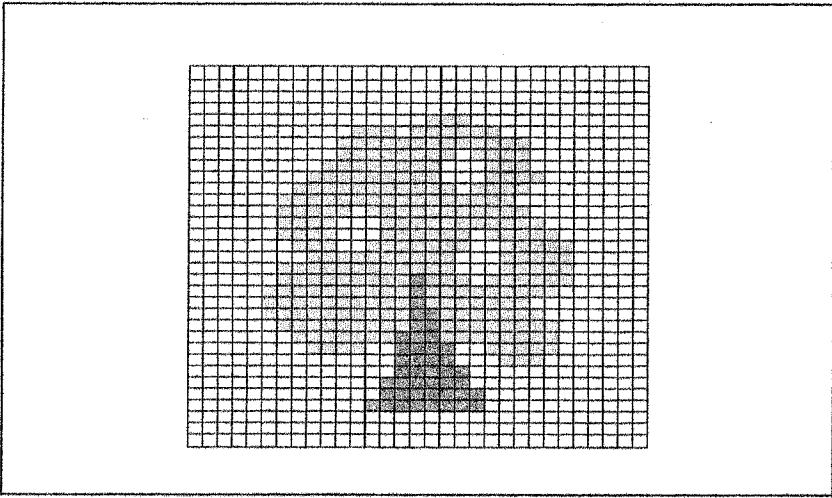
Needles are aligned in C position, after the Intarsia Carriage is moved once.

C— Needles Knit stockinet.

Needles are always aligned in this position when the Intarsia Carriage is used.

D— Needles do not knit.

Align needles in this position when moving the Intarsia Carriage without knitting or working partial Knitting.



HOW TO USE THE INTARSIA CARRIAGE

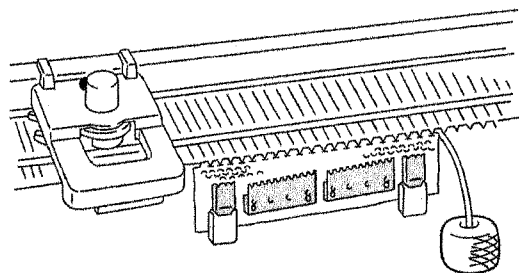
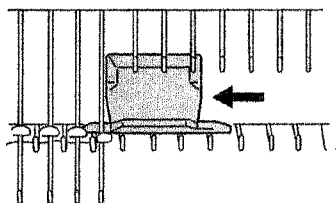
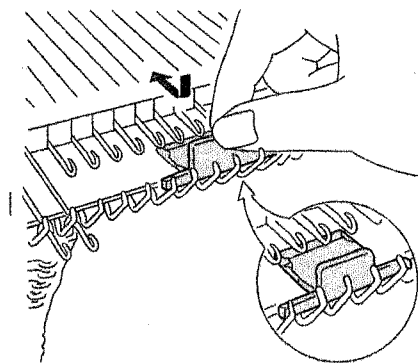
Intarsia is a method of knitting multi-coloured geometric or pictorial patterns, without floats across the back of fabric.

- * Prepare required number of yarn balls in each colour.
- * Draw the intarsia pattern on the graph paper.
- * If you have the Knit Contour (optional), you can draw your own intarsia pattern directly onto pattern paper.
- * In any case, as the wrong side is facing you while knitting, draw patterns in reverse.

- * Select a number twice the row number read on the tension swatch, when the Knit Contour is in use.
For example, if 18 rows read on the tension swatch, select 36 on the Row Number Scale.

(How to knit)

1. Use the Main Carriage, to cast on and knit about 10 rows with waste yarn.
2. Hang Wide Claw Weights and Claw Weights evenly across the fabric.



3. Install the Edge Stitch Pressers on both edges of the fabric as follows:

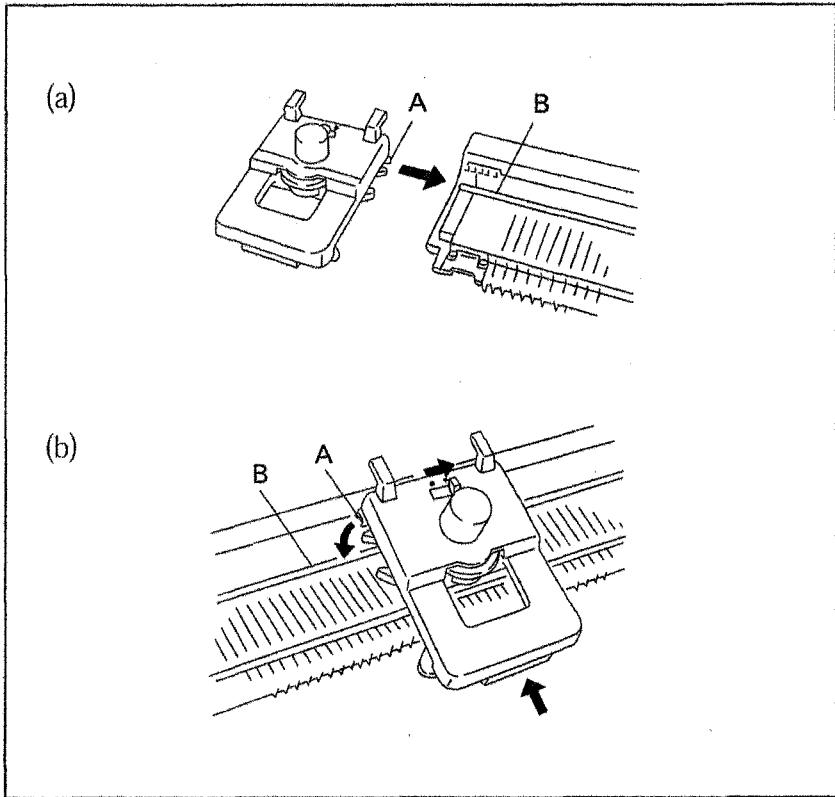
- 1 Insert the tip of Edge Stitch Presser under non-working needles in A position adjacent to the fabric edge.
- 2 Fit the head of the presser between the front edge of Needle Bed and Sinkers.
- 3 Bring the side face of the presser into contact with the edge needle.

* When the knitting width is changed by increasing or decreasing stitches, slide the Edge Stitch Pressers to the fabric edges as the shaping progresses.

4. Change the waste yarn for the main yarn, and knit 3 rows in stockinet.

5. Remove yarn from the Yarn Feeder and Auto-Tension, and place the yarn balls on the floor, in front of the machine. Remove the Main Carriage from the Needle Bed.

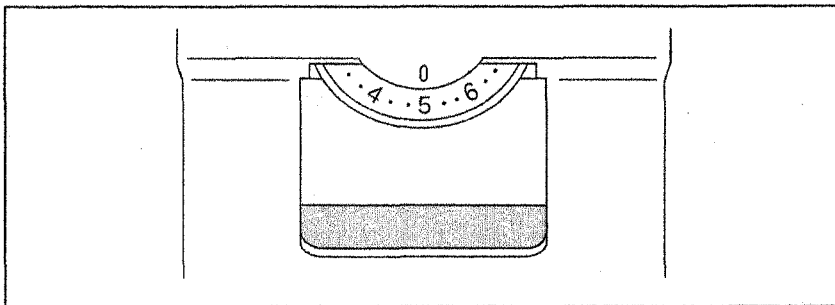
6. Install the Intarsia Carriage on the Needle Bed from the side without the yarn.



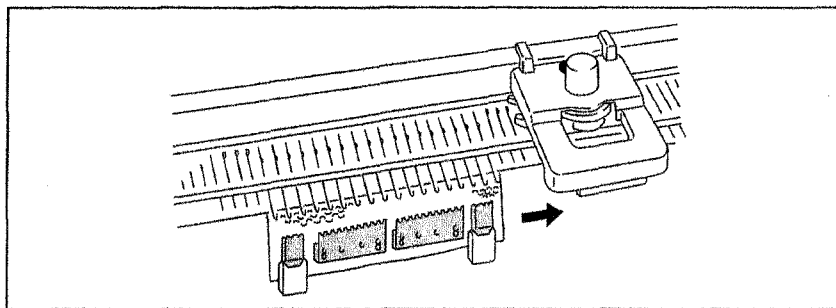
The Intarsia Carriage can be set in two ways as follows:

(a) Install the Carriage on the Needle Bed by sliding the Carriage Pipe (A) onto the Carriage Rail (B) from the either side.

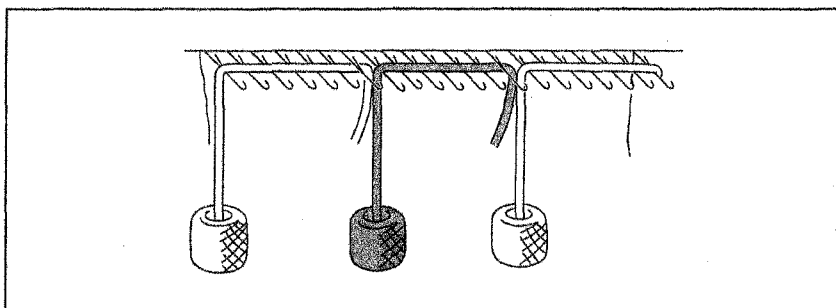
(b) Set the Release Lever to the right (▼). While engaging Fabric Presser with Sinkers, fit the Carriage Pipe (A) onto the Carriage Rail (B). Reset the Release Lever to the left (●).



* After installing the Intarsia Carriage, set the Stitch Dial to the same number as required for the Main Carriage.



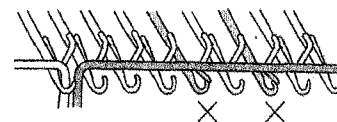
7. Move the Carriage slowly across the needles in B position.
(The needles will be aligned in C position.)



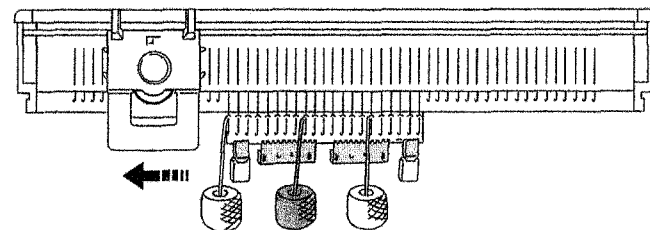
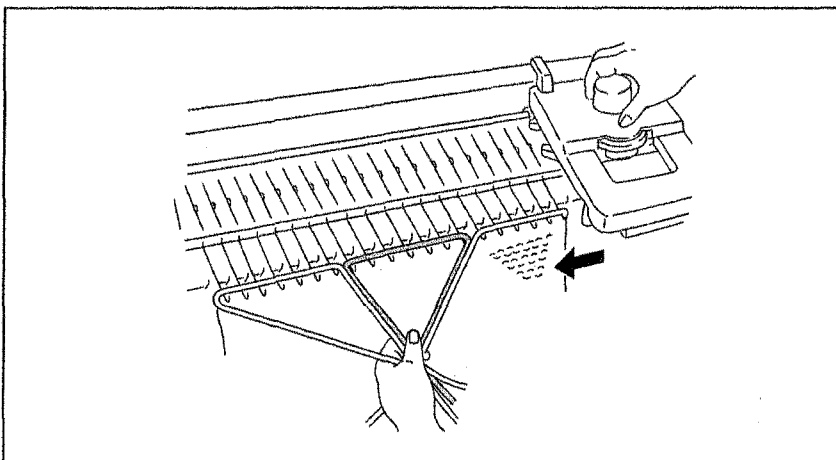
8. Knit the first row as follows:

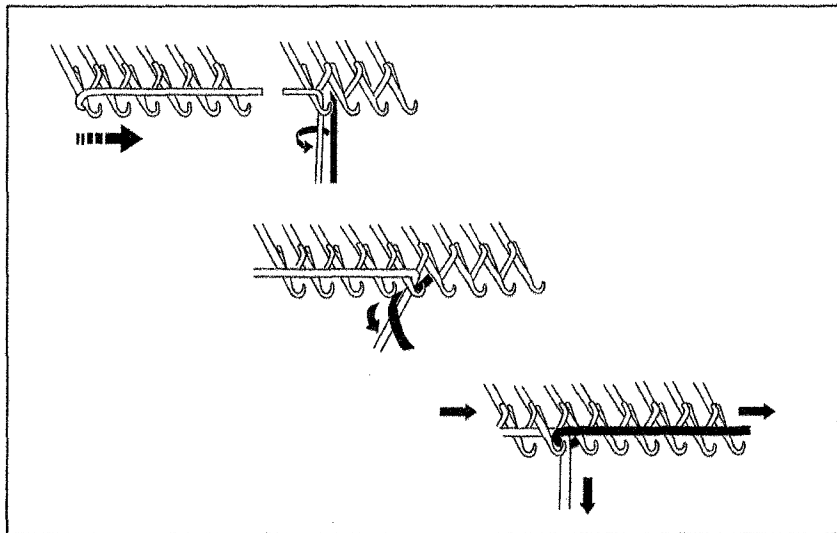
— 1 Following the Pattern Chart, lay yarns A, B and C in the open hooks starting from the Carriage side.

* Make sure the latches of all the needles are open before laying yarn.



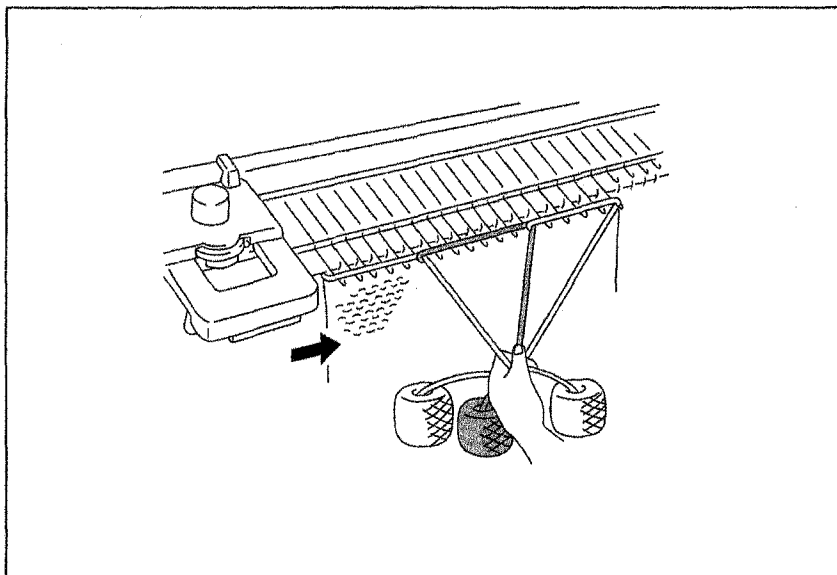
— 2 Holding down the yarns gently to take up yarn slack, move the Carriage slowly across the needles to knit the first row.
(The needles knit and re-align in C position.)





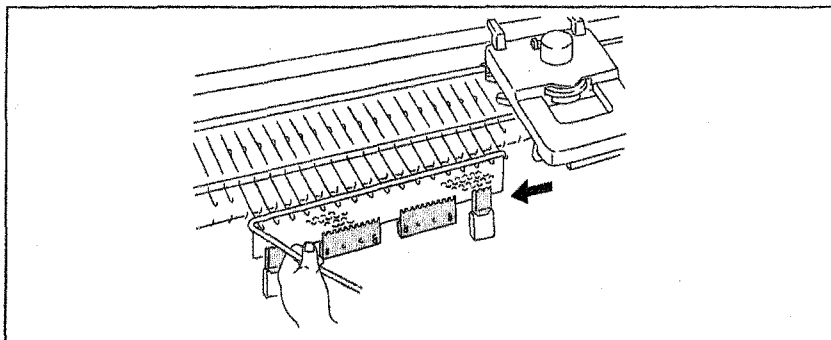
9. Knit the second row as follows:

- 1 Lay the yarns in the needle hooks starting from the Carriage side. To avoid separation of stitches at the edge of each colour yarn, twist yarns as illustrated.



- 2 Holding down the yarn gently to eliminate yarn slack, move the Carriage slowly across the needles to knit the second row.

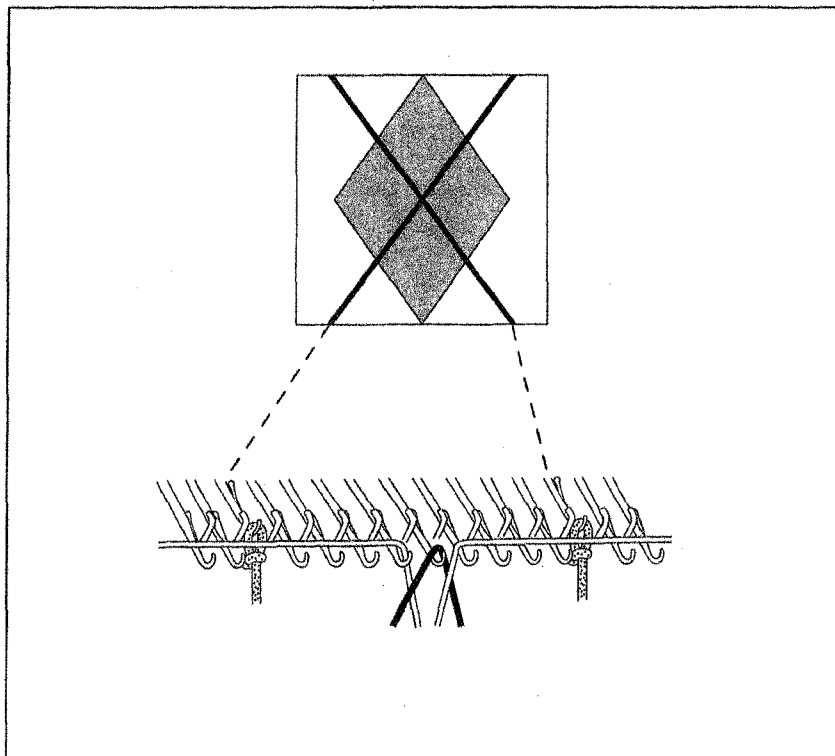
* Following the Pattern Chart, repeat above steps (8) — (9).



HOW TO KNIT STOCKINET USING THE INTARSIA CARRIAGE

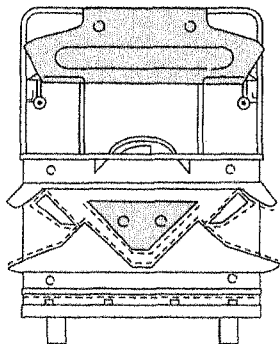
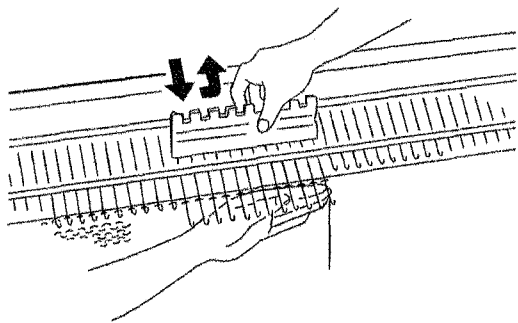
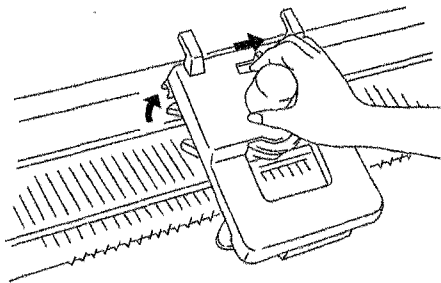
Lay the main yarn in hooks of all the needles in C position, and move the Carriage across the needles to knit a row.

* Lay the yarn in the needle hooks starting from the Carriage side.



HOW TO KNIT ONLY 1 OR 2 STITCHES IN THE INTARSIA PATTERN

1. To knit only 1 or 2 stitches in one colour, lay the yarn on those needles and push them by hand back to B position.
2. Continue to knit by laying the yarn in the needle hooks, omitting the needles knitted by hand.
3. Repeat above steps.



IF THE INTARSIA CARRIAGE HAS JAMMED WHILE KNITTING

* Do not move the Intarsia Carriage by force while it has jammed, and proceed as follows:

1. Set the Release Lever to the right (▼). Remove the Carriage from the Needle Bed, and replace it on the end of Needle Bed.
(Take note the Carriage must be positioned at the side of the yarn after unravelling.)
2. Return the needles in C position to B position, replacing the stitches in the needle hooks with a Transfer Tool.
Unravel the incomplete row.
3. Push the needles in B position to D position, then back to C position.
(Make sure the latches of all the needles are open.)
4. If using the Knit Contour, return the pattern paper by twice the number of rows as unravelled.
If using the Row Counter, return the counter by the same number of rows as unravelled.
5. Continue to knit.

* If mistakes occur during knitting, apply above steps(2)---(5).

MAINTENANCE

- * When the Carriage becomes heavy to operate, apply lubricating oil to Slider, Carriage Pipe, and the side face of Cams on the underside of Carriage.
- * When the Carriage becomes dirty, clean the soiled surface with a dry cloth. Do not use benzine or thinner as they may mar the finish.