

# OPERATING MANUAL

FOR

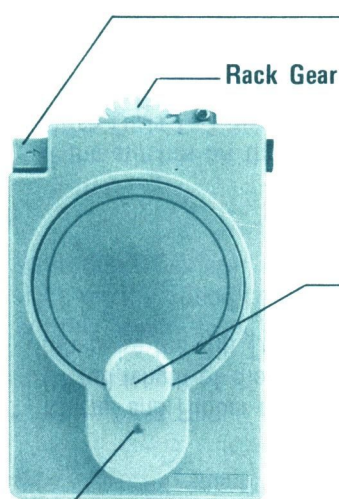
*RIB TRANSFER CARRIAGE*

RT-1

### **About Rib Transfer Carriage RT-1**

- This Rib Transfer Carriage can be used on the knitters Models 321–360, Electronic Knitters in combination with SRP-50 Ribber.
- This Rib Transfer Carriage works to transfer stitches from the Ribber onto the Knitter needles.
- Placing the Rib Transfer Carriage on the knitter needle bed, and turning the Crank Handle in clockwise direction, stitches on the Ribber needles are transferred onto the Knitter needles one by one.
- When you have finished the welt or cuff in rib stitches, transfer those stitches from the Ribber onto the Knitter, and continue to knit the rest of the garment, or finish the garment of rib stitches on the knitter side.
- This Rib Transfer Carriage can transfer the stitches from the Ribber, regardless of the needle arrangement, but if a needle has two stitches as a result of decrease or so, special cares are required.

## NAMES OF OPERATIONAL PARTS



### Slide Button

When the red button is pushed in, white button comes out from the other side, and vice versa.

Red Button: when pushed in, Rack Gear meshes with the Rack of the needle bed.

White Button: when pushed in, Rack Gear is freed from the Rack. This position is used for setting and removing.

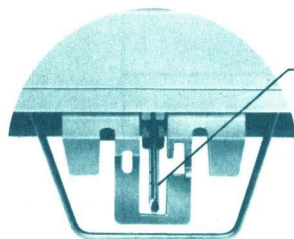
### Crank Handle Knob

One full right turn of this Crank Handle Knob enables the RIB TRANSFER CARRIAGE to transfer one stitch onto the confronting knitter needle.

(Be sure to turn the Crank Handle in the direction marked by arrow.)

### Starting Point

Turn the Crank Handle Knob from this point, and stop it at this point.



### Transfer Needle

Read carefully this manual before using the Transfer Carriage.

Misuse of the Carriage causes the Transfer Needle to be damaged.

## BEFORE USING THE RIB TRANSFER CARRIAGE

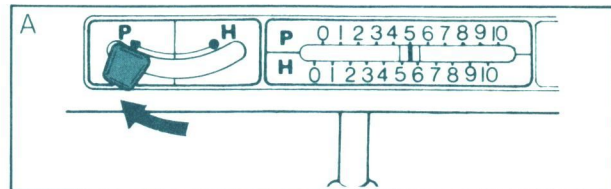
- \* Remove or put aside the following accessories if they were in use.  
Point Cams, N1 Cam (on Electronic Knitters)  
Point Cam M, E, (on Punch Card Knitters)
  
- \* Knitter and Ribber carriages must be placed at either end of the needle bed.  
(If full length of the needle bed has been used for knitting, remove both carriages from the needle bed, otherwise the Rib Transfer Carriage will not be set on the needle bed.)
  
- \* If the stitches on the transfer row are too tight or the yarn is not elastic, knit another row with the Stitch Dials 1–2 numbers higher.

## BEFORE USING THE RIB TRANSFER CARRIAGE

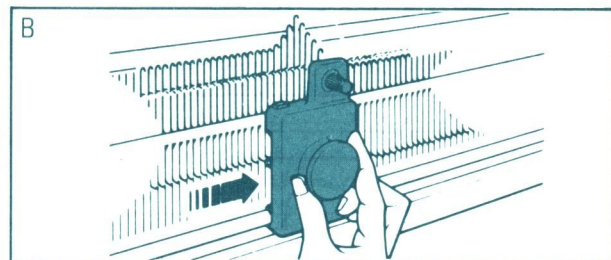
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(If full length of the needle bed has been used for knitting, remove both carriages from the needle bed, otherwise the Rib Transfer Carriage will not be set on the needle bed.)
  
- \* If the stitches on the transfer row are too tight or the yarn is not elastic, knit another row with the Stitch Dials 1–2 numbers higher.

## HOW TO USE RIB TRANSFER CARRIAGE

- (1) Set the Half-Pitch Lever to P. (Fig. A)  
(If the Lever had been set at P while knitting, leave it as it was set.)

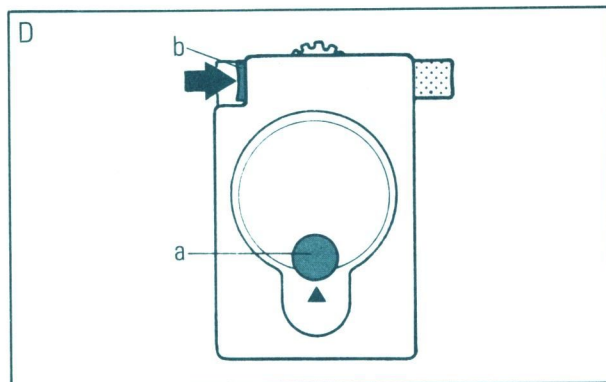


- (2) With the P-Carriage, moving from left to right on the Ribber needle bed, push the knitting needles to "C" position. (Fig. B, C)



- (3) Set the Crank Handle Knob "a" to ▲ mark, and push in the Slide Button "b". (Fig. D)

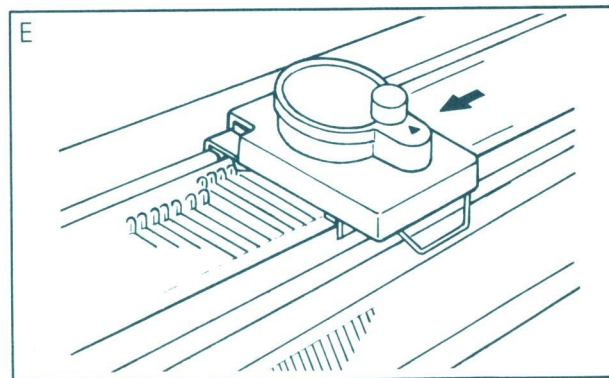
*Before pushing in the Slide Button, be sure to set the Crank Handle Knob to ▲ mark.*



- (4) Place the Rib Transfer Carriage at the right side of the fabric, on the knitter needle bed. (As shown in the diagram opposite, fit it on the Rail and the front of the needle bed.)

Slide the Carriage to the right end of fabric slowly. (Fig. E)

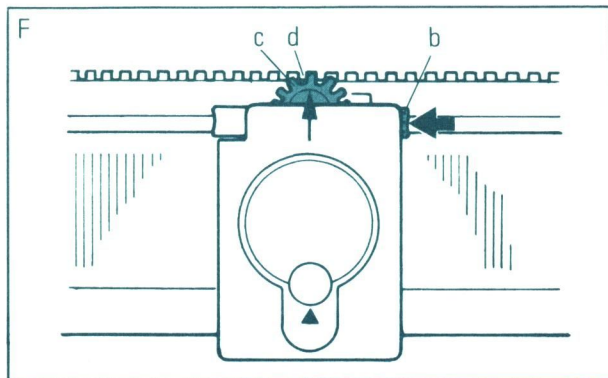
*Do not slide the Carriage toward the right.*



- (5) Push in the red end of the Slide Button "b", and mesh the Gear "c" with the Rack "d". (Fig. F)

(If the Gear does not mesh with the Rack correctly, jog the Rib Transfer Carriage to right or left, then push in the Slide Button.)

The Rib Transfer Carriage is ready for operation.



- (6) Turn the Crank Handle Knob in the clockwise direction to transfer stitches. (Fig. G)

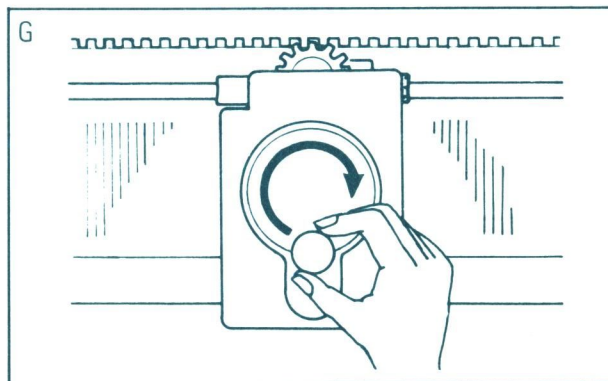
Turn the Crank Handle Knob slowly and at an even speed.

At each turn of the Crank Handle Knob, one ribber stitch is transferred onto its confronting knitter needle.

**DO NOT turn the Crank Handle Knob in the anti-clockwise direction.**

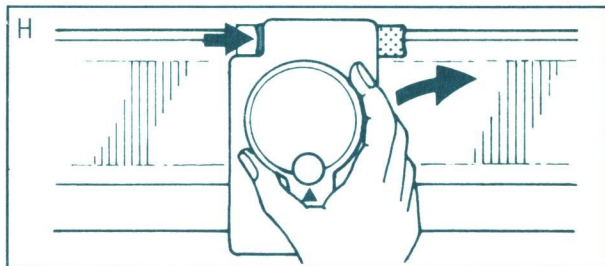
**To stop transferring stitch, stop the Knob at the ▲ mark.**

For the last five stitches, turn the Crank Handle very slowly.

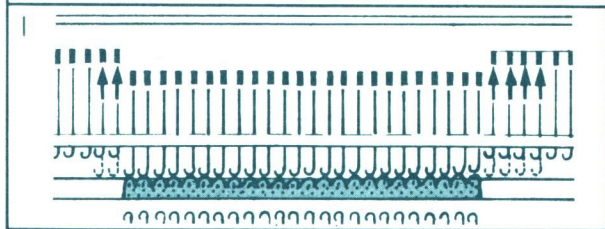




- (7) When the stitches have been transferred onto the knitter, push in the White End of the Slide Button, and release the Rib Transfer Carriage from the needle bed. (Fig. H)



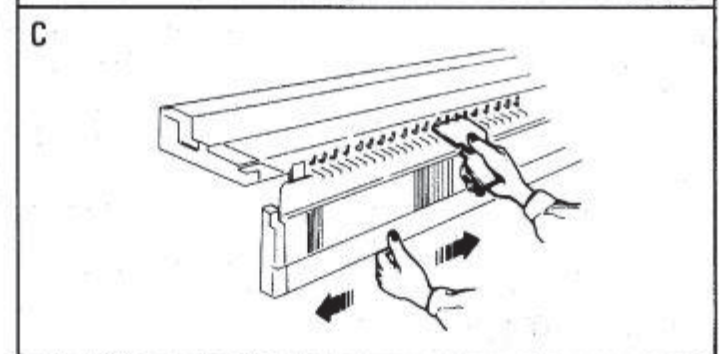
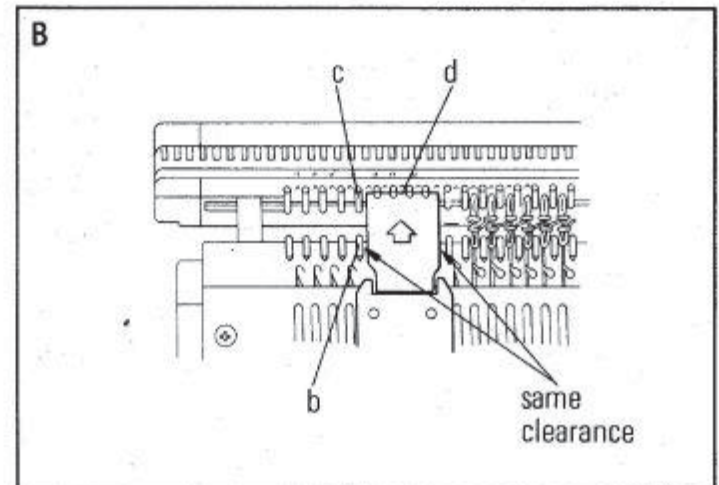
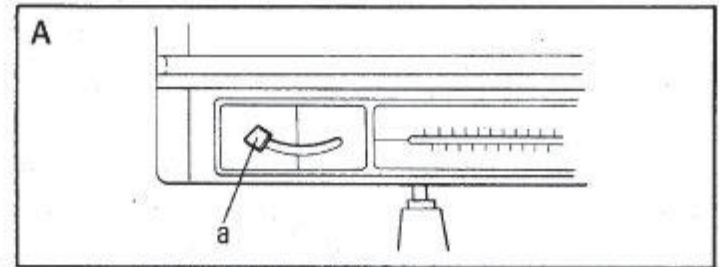
- (8) Non-working needles aligned in B position must be back in A position. (Fig. I)  
(The needles in A position are pushed into B position by the Rib Transfer Carriage.)

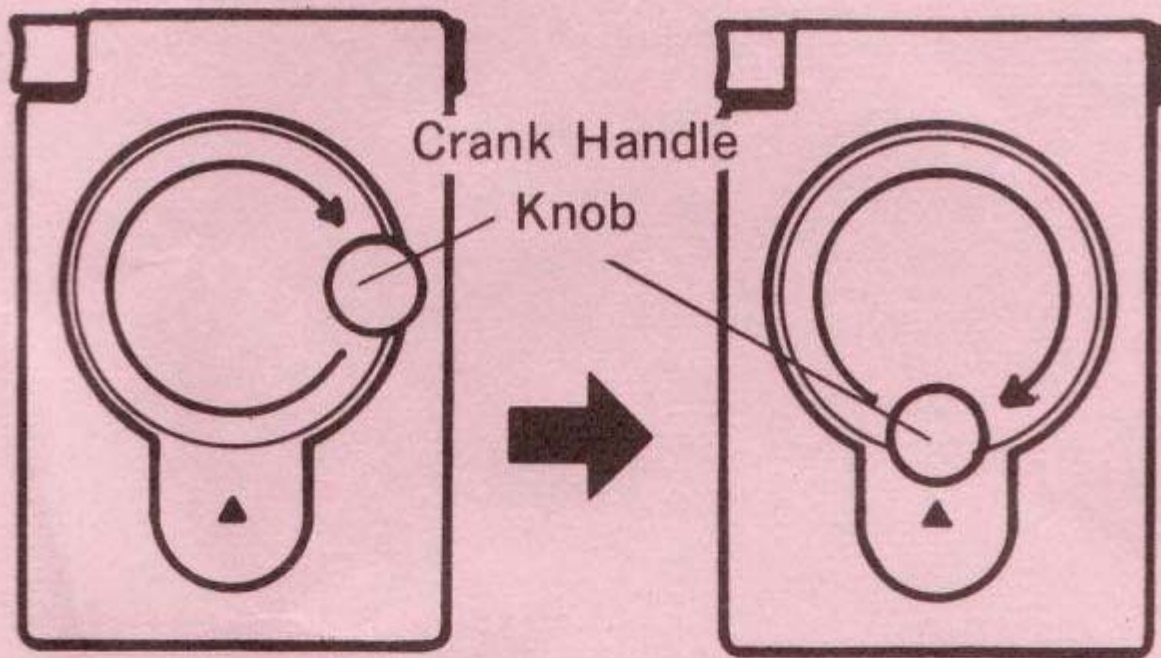


## CAUTIONS

Be sure to check the following points before operating the Rib Transfer Carriage, otherwise the Rib Transfer Carriage will not work properly, or the transfer needle on the Rib Transfer Carriage will be damaged irreparably.

- \* Attach the Ribber correctly to the Knitter referring to the relative instruction books.
- \* Set the Half-Pitch Lever "a" to P position, and make sure that Sinker Posts of Ribber face with the Sinker Post of the Knitter before operating the Rib Transfer Carriage. (Fig. A)
- \* If the Sinker Posts of the Ribber "b" and the Knitter "c" would stay out of position when the Half Pitch Lever is set at P position, correct the relative position in the following manner.
  - i) Place the teeth of the Claw Weight "d" against the Knitter Sinker Posts. (Fig. B)
  - ii) Check the space between both edges of the Claw and the Sinker Post on its both sides.
  - iii) Lift the Ribber Needle Bed with your hand and swing it to right or left till the Sinkers correctly face with each other. (Fig. C)
- \* Be sure to set the Crank Handle Knob at ▲ mark before setting or removing the Rib Transfer Carriage, or starting to transfer stitches.
- \* Turn the Crank Handle only in the clockwise direction. (It will not turn in the anti-clockwise direction.)





IN TRANSIT

CORRECT POSITION  
FOR USE

\*To protect the Rib Transfer Carriage from damage in transit, its Crank Handle Knob is placed  $3/4$  turn away from the ▲ mark, the starting point.

\*Before using the Rib Transfer Carriage, turn the Crank Handle in clockwise direction to the ▲ mark.

\*Be sure to set the Crank Handle Knob of the Rib Transfer Carriage at ▲ mark before setting it on the needle bed or removing it from the needle bed.