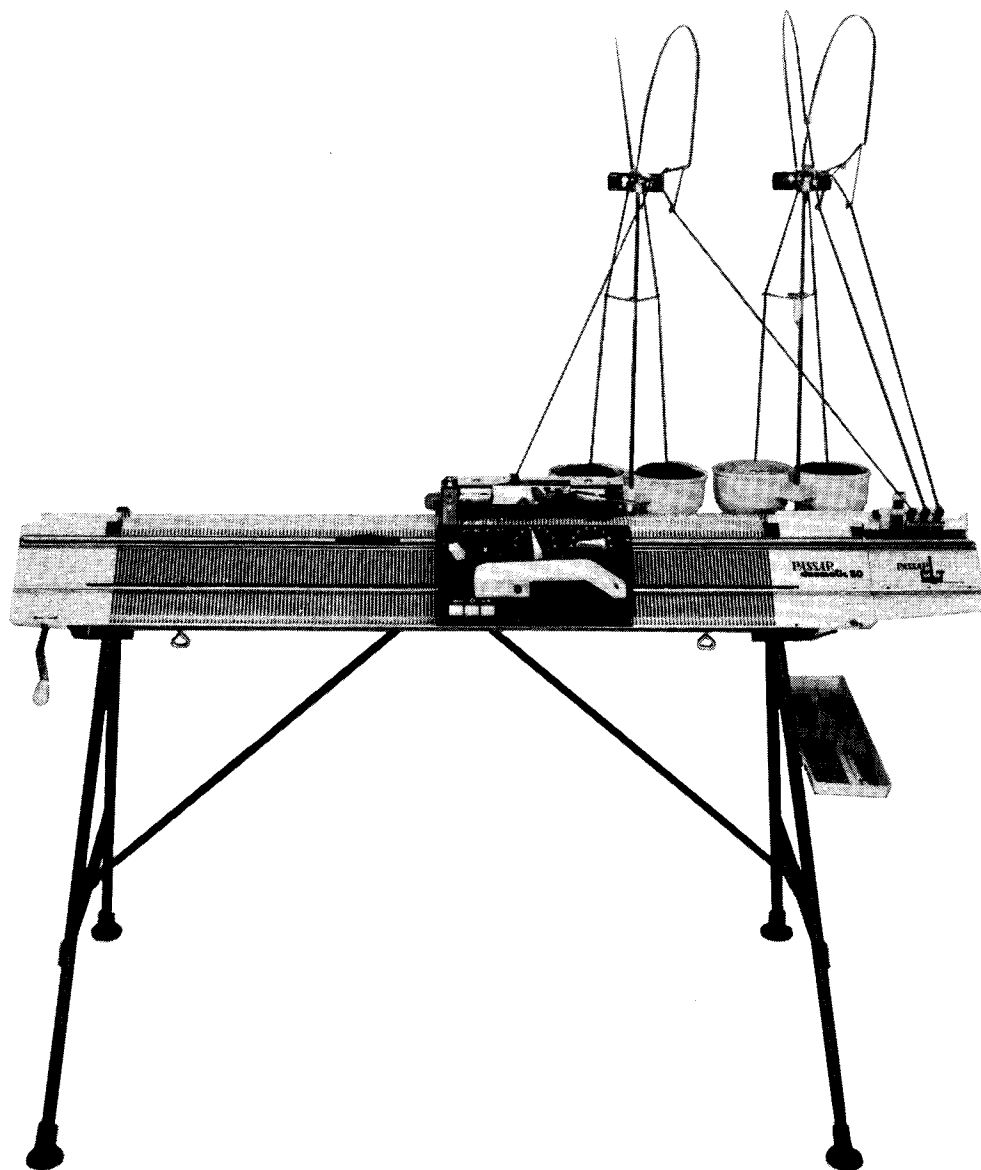




COLOR

english
DM 80

Instruction book for COLOR



Color was designed for time-saving knitting on Duomatic with several yarns different in colour or quality.

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First of all, do some "blank exercise"

Before starting your knitting with the Color, we recommend you learn the operations of this colour selector without threading the wool and without needles. The following paragraphs will teach you the "knowhow":

1. How to insert the feeding eyelets

Place the four feeding eyelets into their supports on the switch box. Two clamps, above and below the centre, are receiving each feeding eyelet (see Fig. 2).

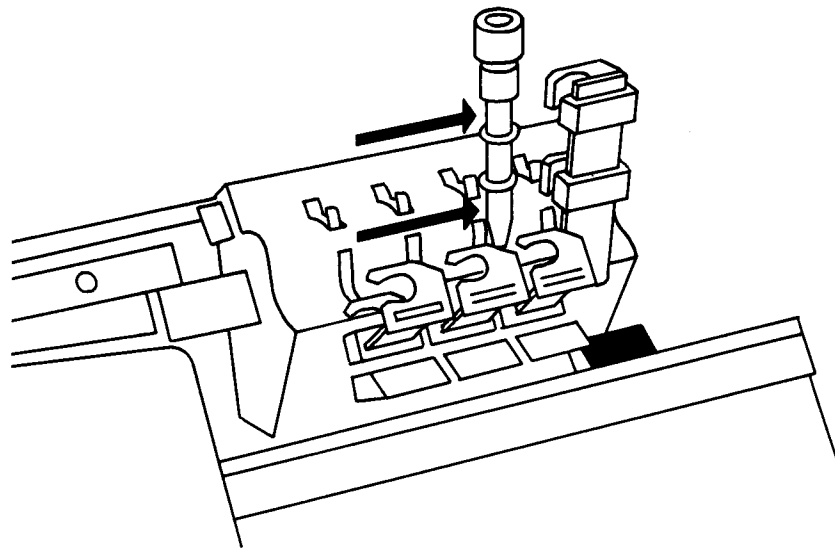


Fig. 2

2. Check Neutral-Position of Color

First push discharge flap: The discharge flap is placed underneath the switch box and fixed onto the side plate (back), Fig. 3.

For control purposes pull the *lever of the colour changer* twice hard to the right so that the switch box will move twice to the right and slide back into its normal position.

Now, all four feeding eyelet supports are in one row, pointing forwards.

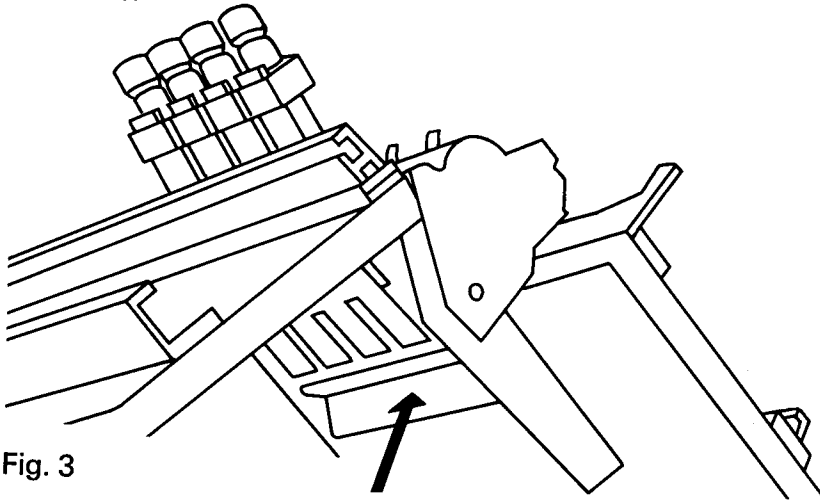


Fig. 3

3. How to select the feeding eyelet on Color for one-colour-knitting

All four feeding eyelets are in Neutral-Position as per Fig. 3. Press down one of the four selecting keys until it clicks into place. Thus the feeding eyelet support on the Color is pre-selected, in so-called Pre-Selecting-Position, Fig. 6.

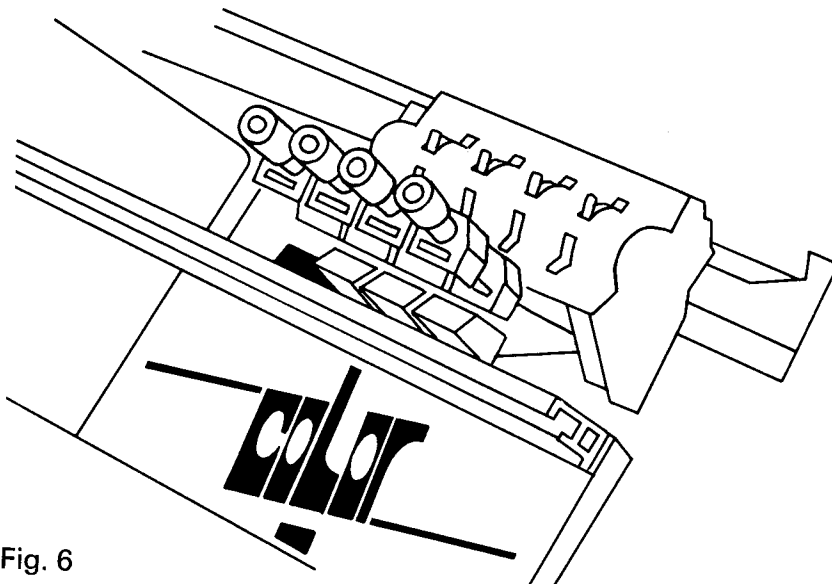


Fig. 6

Move lock carefully to the right until the movable feeding eyelet socket on the lock opens in a scissor-like movement, as per Fig. 7.

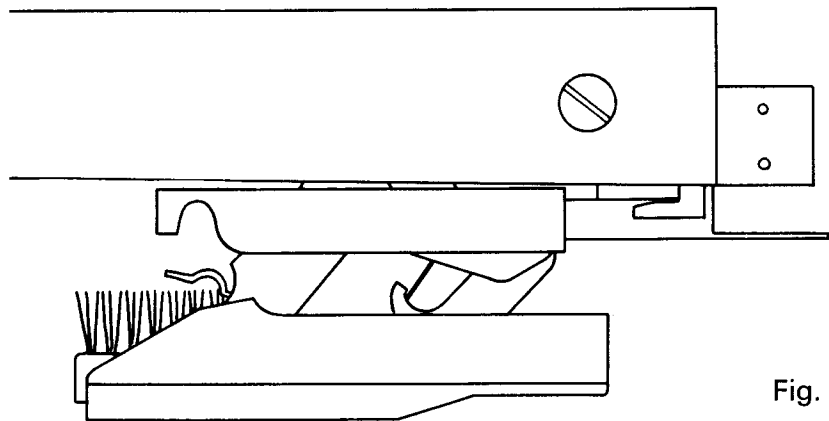


Fig. 7

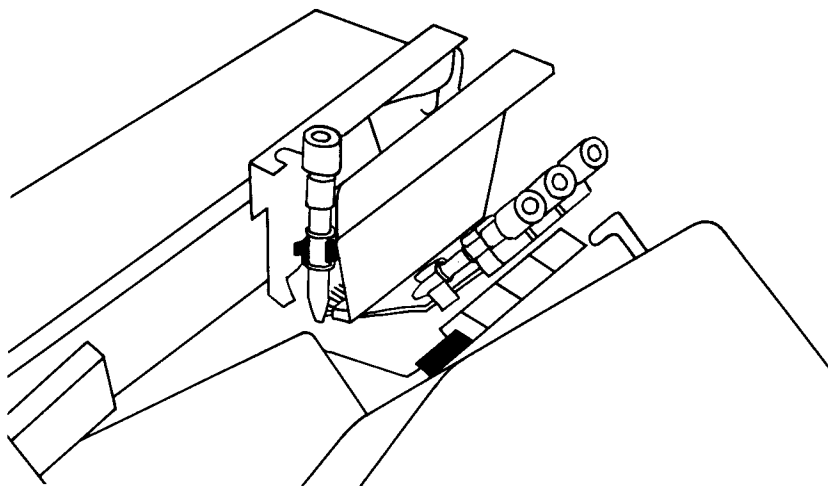


Fig. 9

Move lock to the left, Color moves simultaneously. The pre-selected feeding eyelet of the Color is then taken over by the movable socket on the lock, i.e. one clamp seizes the centre of the feeding eyelet (Fig. 9) which is now in Working-Position, Fig. 10. The eyelet support of the Color is empty, in Taking-Over-Position, as per Fig. 10.

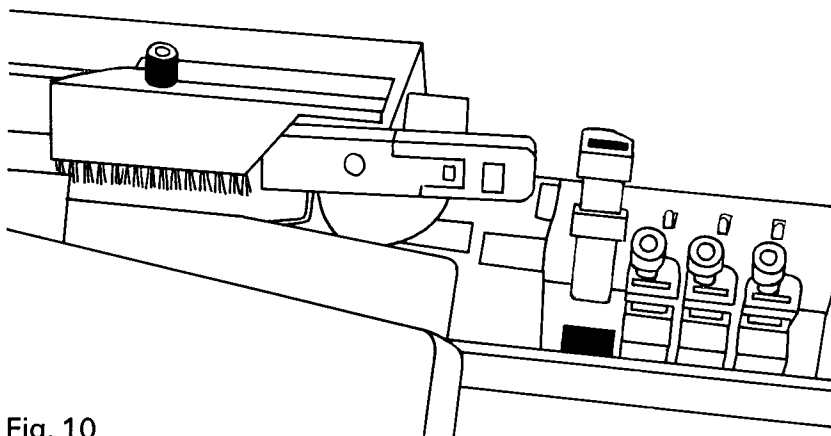


Fig. 10

For one-colour-knitting continue as usual but, at right, move lock only to the "Stop-Position" before the Color as per Fig. 11.

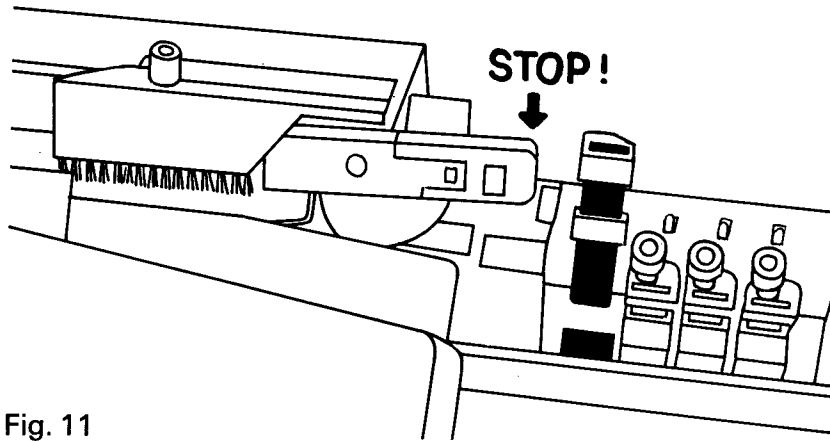


Fig. 11

If you move the lock further to the right (past the Stop-Position), the feeding eyelet is being taken over by the eyelet support of the Color and put down in Pre-Selecting-Position. This position does not allow a direct taking over of the lock.

In order to bring the feeding eyelet back into Taking-Over-Position, move the lock a bit to the left and then back to the extreme right. Only now, the eyelet support of the Color swings up again into Taking-Over-Position, so that the feeding eyelet will be taken over by the lock when continuing knitting.

4. How to knit fully automatically, alternating between two different colours

You want to knit with two different colours (or qualities) changing colours every alternate row or else after several rows. First of all, pre-select the feeding eyelet of the main colour as described in paragraph 3 and let it be taken over by the socket on the lock. With feeding eyelet in Working-Position move lock to the left.

Not till then, press down selecting key of the main colour together with the key of the contrast colour.

The colour may now be changed, after two or more knitted rows, by moving the lock up to the catch on the extreme right.

Important

Do not pre-select the feeding eyelet of the contrast colour unless the feeding eyelet of the main colour is already placed in its socket on the lock. In other words: In the beginning, never press two or several keys at the same time. The feeding eyelets would then—at the same time—swing up into Taking-Over-Position which could cause serious damage.

5. How to knit with three or four different colours

When knitting with more than two colours, pre-select the colour you want next by pressing the key; then, move the lock to the extreme right, as far as the catch.

Each time, before you move the lock to the catch on the right, pre-select the following colour by pressing down the key.

Important

If working with more than two different colours, always press down only one selecting key at the time (for the following colour), when lock is at left. Colour sequence as desired.

Getting ready for knitting

1. Threading the yarn guide

- Place each ball of yarn in its yarn holder 1. Pick up the loose end of yarn coming from the centre of the ball, and insert it into one end of the double end bodkin.
- Guide yarn through eyelet 2.
- Take yarn between the two tension discs 3, making sure the yarn is under the small protruding pin.
- Guide yarn through eyelet 4
- Through eyelet 5
- Through eyelet 6.

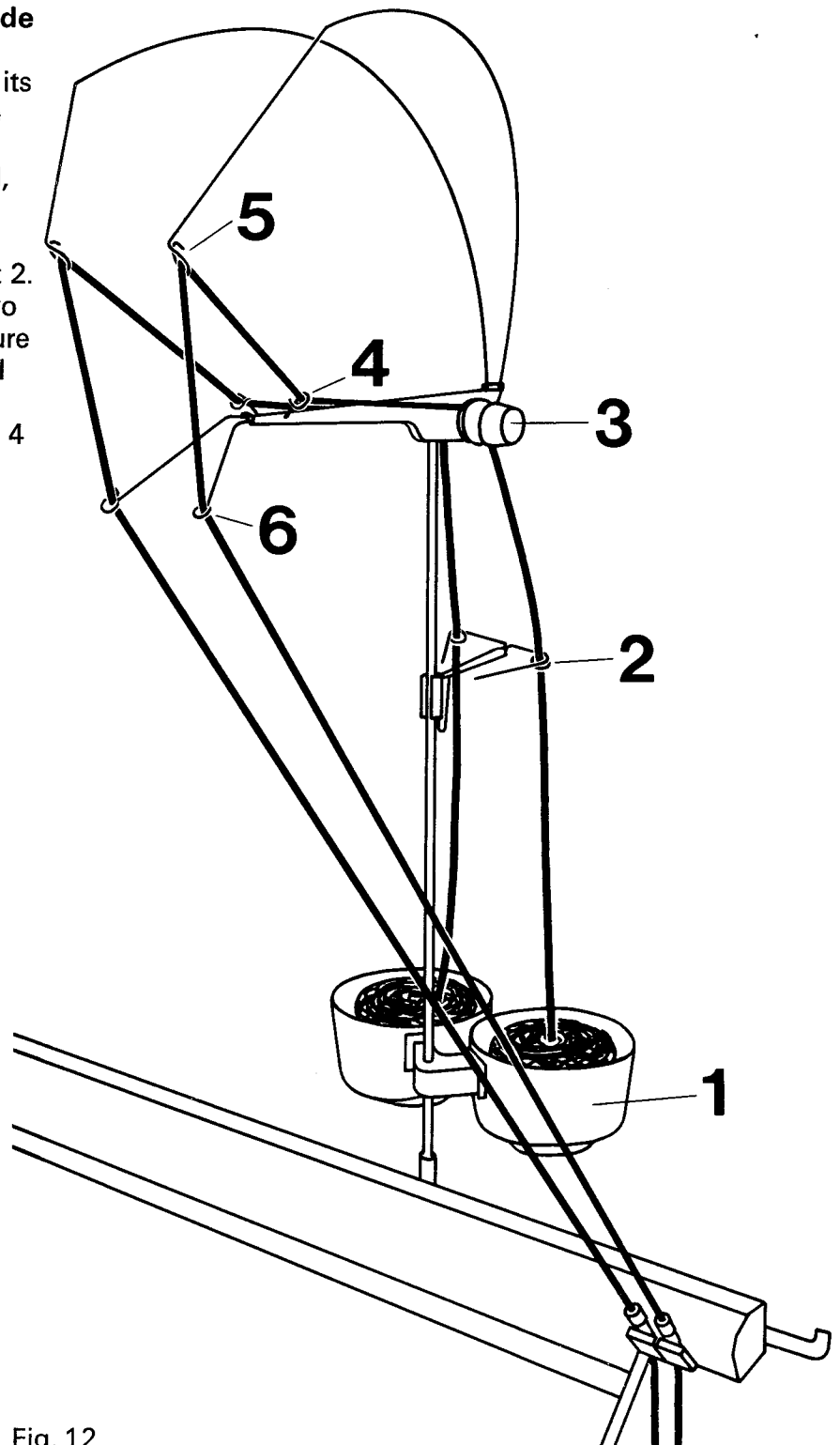


Fig. 12

2. Threading yarn through feeding eyelet

- Press far left selecting key as well as pull the lever of the colour changer hard to the right. The feeding eyelet support of the pre-selected eyelet swings up into Taking-Over-Position.
- Remove feeding eyelet from its support on the Color. Thread yarn through from above and pull out a length of about half a metre. Pull yarn down between the needle beds (needle area) and fix it in the slot on the front bed.
- Replace feeding eyelet into its support as per Fig. 15 and push down.

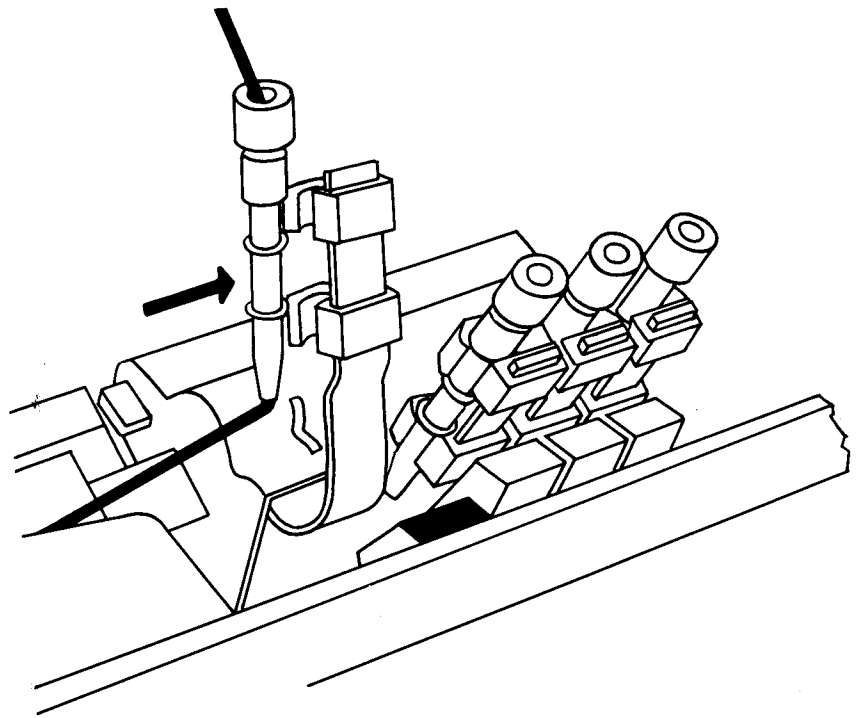


Fig. 15

-
- Thread yarn through remaining feeding eyelets in the same way until all four (or as many as required) yarns are threaded. Then push discharge flap. All feeding eyelets are in Neutral-Position.

3. How to adjust the yarn (tension) control

For more details, see Instruction Book DUOMATIC 80, page 15.

Basic rule:

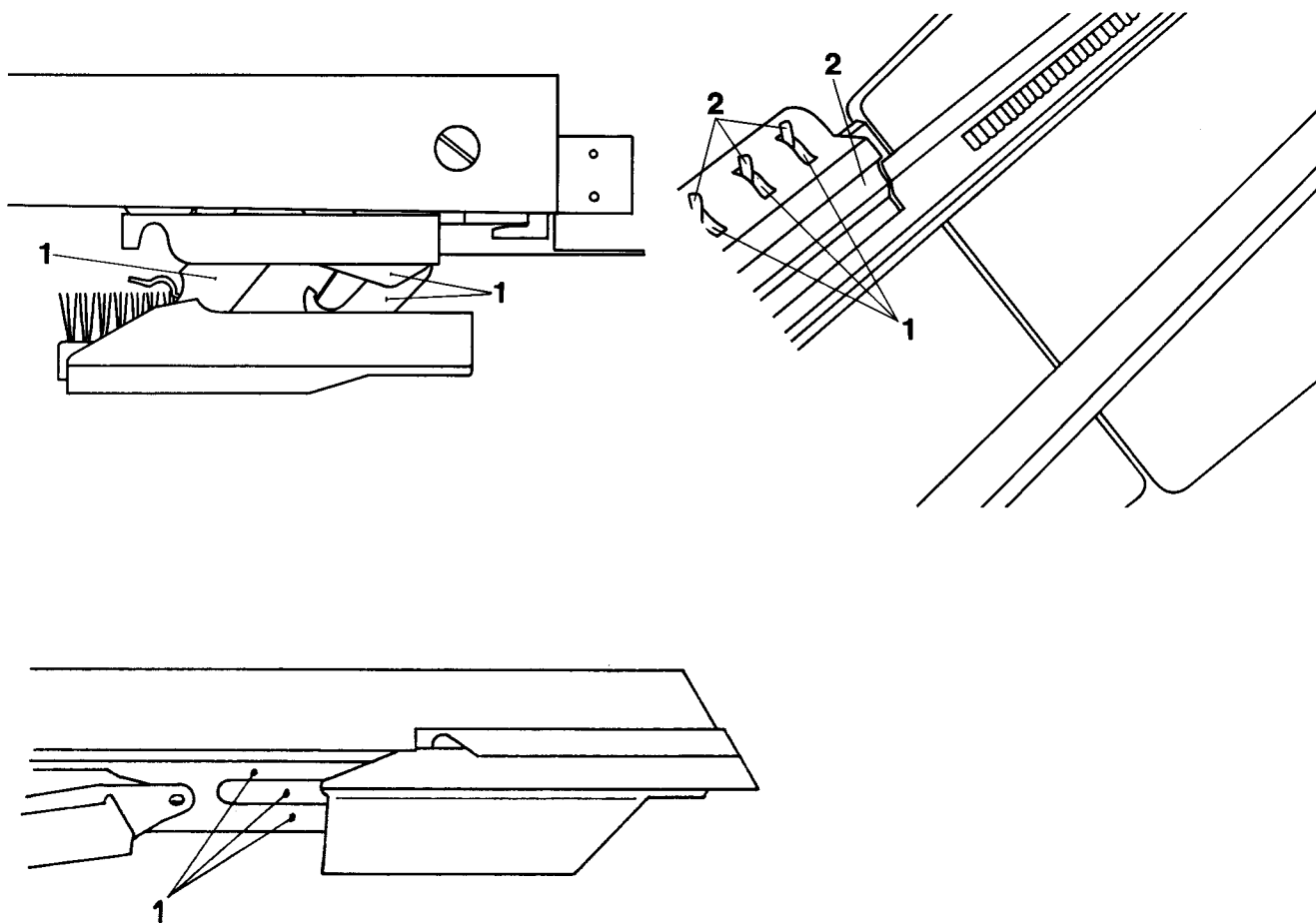
If there are loops forming at the edge of the knitting, adjust the setting on the yarn tension disc to a higher number.

- Once more, make sure all feeding eyelets are in Neutral-Position, i.e. push discharge flap.

Greasing

First remove dirt with dry cloth from respective spots.

- 1 For strong use 1 drop Bellodor-Oil per week
- 2 Oil slightly every day



Technical hints

1. There should never be two feeding eyelets in Taking-Over-Position at the same time

One feeding eyelet of the lock has been received by the Color and is now down in Pre-Selecting-Position (Fig. 6). The next feeding eyelet has already moved up into Taking-Over-Position, but has not yet been taken over by the lock.

In this situation the lock should not be moved to the right again, because then the first feeding eyelet would also swing up into Taking-Over-Position. There should never be two feeding eyelets in Taking-Over-Position for the colour-changer would be damaged as soon as knitting would be continued.

If, due to wrong manipulation, two feeding eyelets were standing in Taking-Over-Position, proceed as follows:

- Leave lock where it is.
- Press both feeding eyelets down in Pre-Selecting-Position.
- Push discharge flap (Fig. 3).
- Move lock to the left, away from Color.
- Now, only press selecting key of desired colour.
- Move lock to the extreme right and back to the left again, thus bringing the desired feeding eyelet back into Working-Position on the lock.

2. In the beginning never press two selecting keys at the same time

Never press two selecting keys at the same time, unless there is one feeding eyelet in the lock. Otherwise, when moving the lock to the right, two feeding eyelets would swing up into Taking-Over-Position (see para 1!).

If, by mistake, two selecting keys have been pressed down, first push discharge flap (Fig. 3) and then the *one* selecting key for the next colour.

3. The feeding eyelet jumps out of its support

- a) yarn tension is too strong
correction: reduce yarn tension
- b) there is a knot in the yarn
correction: join both yarn ends by making a thin knot, preferably a weaver's knot as per Fig. 20/1, 2, 3, 4

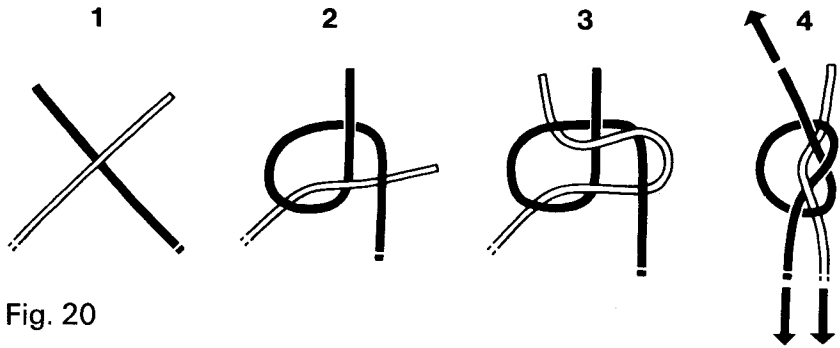


Fig. 20

4. Replacement of a damaged latch needle

Proceed as per instructions for Duomatic 80, page 86.

Exception:

Pull out needle rails only towards left.

On front bed you can reach the needle rail as usual.

On back bed, there is an opening just above the connection of the needle bed and the extension piece of the needle bed, through which you can push the needle rail towards the left, using the orange tool (see Fig. 21, back view).

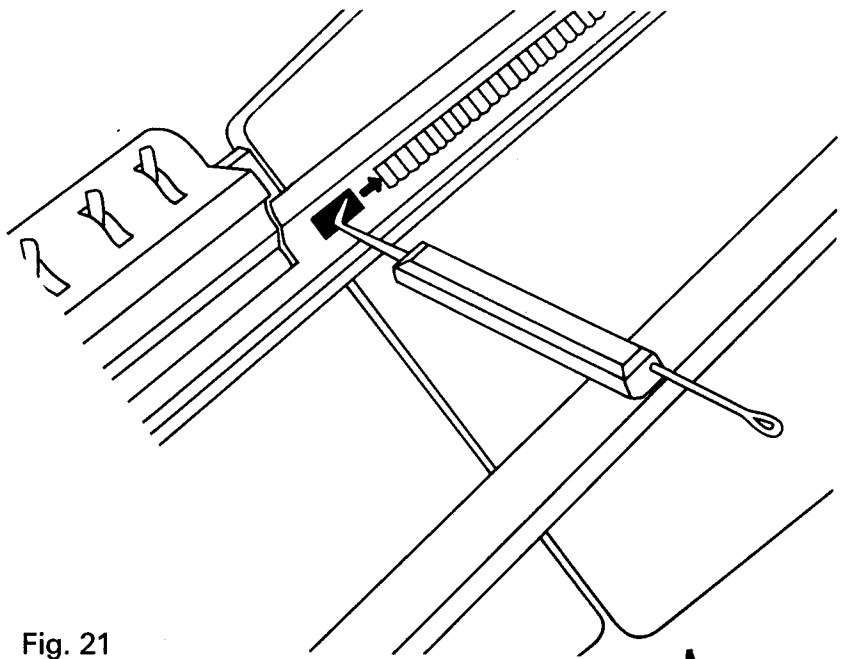


Fig. 21