

**HOW TO USE
THE INTARSIA CARRIAGE** page 1

**ANLEITUNGSBUCH
FÜR INTARSIEN-SCHLITTEN** Seite 9

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LE CHARIOT INTARSIA** page 17

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**ISTRUZIONI PER L'USO DEL CARRELLO PER
LA LAVORAZIONE AD INTARSIO** pagina 33

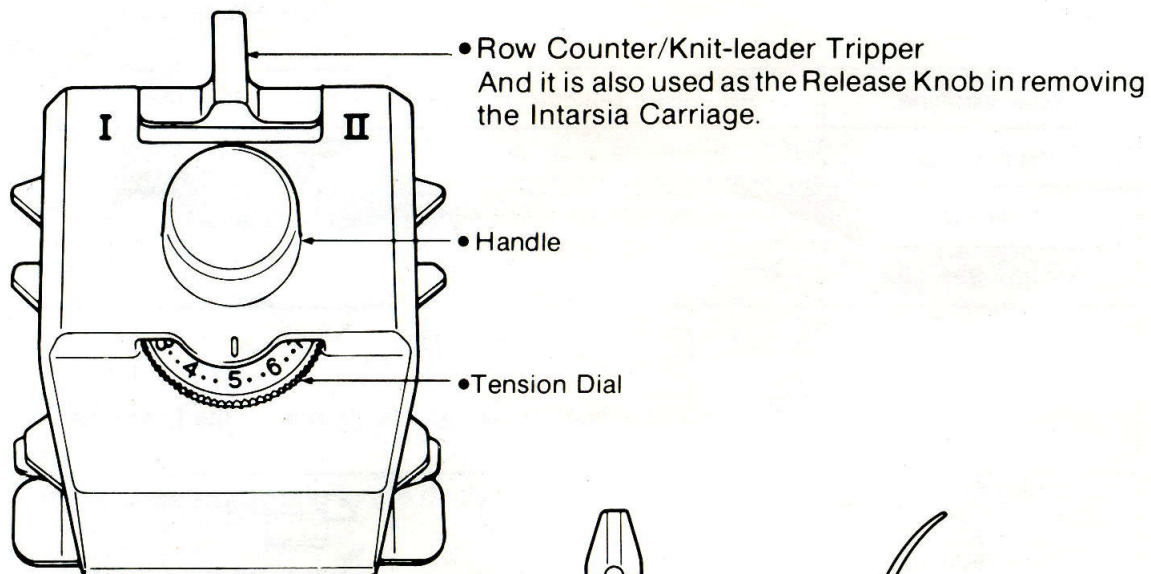
**COMO UTILIZAR
EL CARRO INTARSIA** página 48

model/modell/modele/model/modello/modelo

KA-8210

NAME OF PARTS

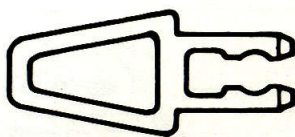
Intarsia Carriage (I Carriage)



• Sinker

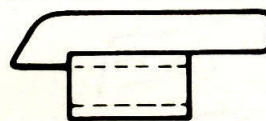


• Threader



• Attached Tripper (A)

■ Insert it into the hole (I) or (II) of the I Carriage.



• Attached Tripper (B)

■ Put it on the Tripper of the I Carriage.

* These Trippers are packed under the I Carriage in the box.

HOW TO USE THE TRIPPERS

The Trippers are used for operating the feeding levers of Row counter and Knit-leader. Choose the suitable trippers according to your knitting machine.

*** To operate the feeding levers**

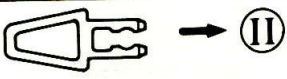
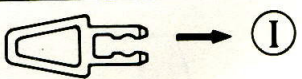
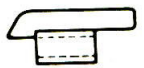
Your machine	Row Counter	Knit-leader
KH 830, 836	No attached Trippers are required.	
KH 840		
KH 860, 890, 892		
KH 881 891 893	 Put Attached Tripper ① into ② hole of the I carriage.	
KH 864 868 894 900 910 930 940 950	 Put Attached Tripper ① into ① hole of the I Carriage.	 Put Attached Tripper ② on the Tripper of the I Carriage.

Fig. 1

*** How to attach the Trippers**

Insert the Trippers straight with placing the I Carriage on a flat table.

- * Make sure that you hear "click" after you insert Attached Tripper ①.
- * Push Attached Tripper ② as far as it goes.

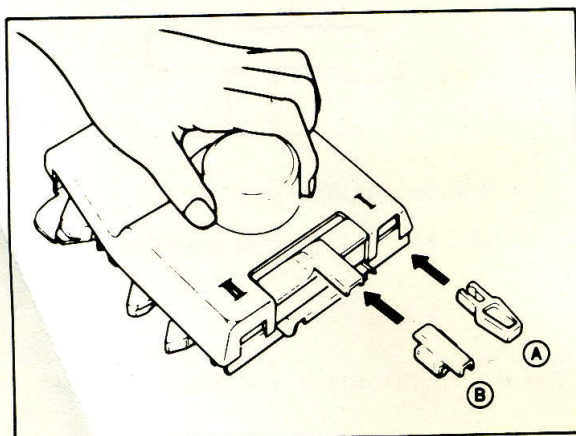


Fig. 2

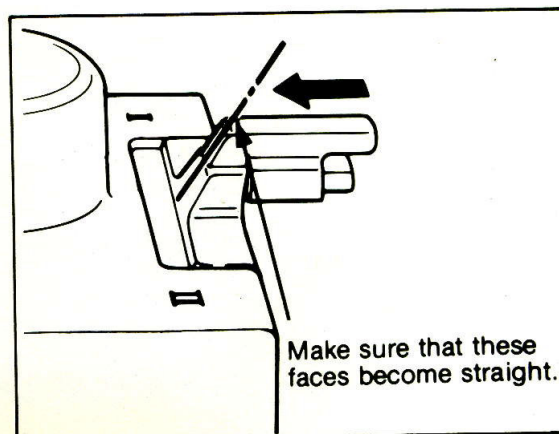
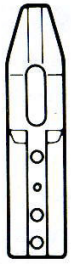


Fig. 3

HOW TO USE THE SINKERS

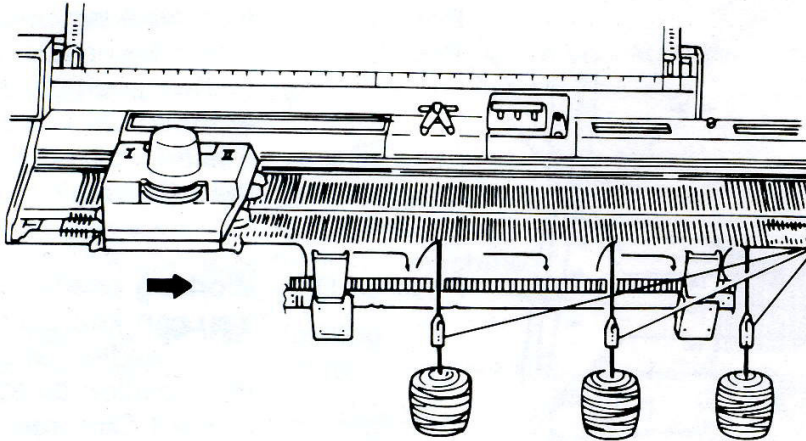


Sinker



Threader

The Sinkers are used for giving equal tension to each yarn when you knit intarsia knitting. Thread the yarn into the holes of the Sinkers and hang them in the way of the yarn as shown in the figure.



Set the Sinkers at a proper distance from the needles.

Choose the holes according to the thickness of the yarn and thread them by the Threader.



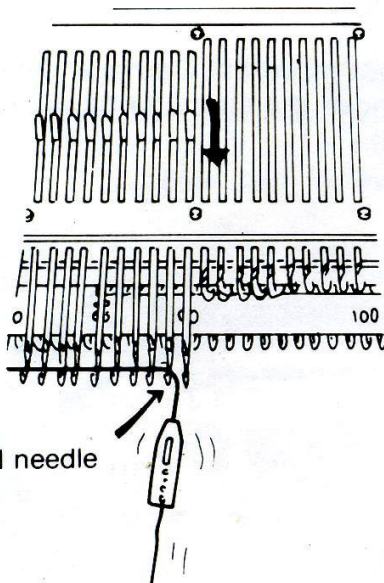
In case of thick yarn



In case of medium yarn



In case of fine yarn



Bring forward the adjacent needle of the end needle to prevent the Sinker from being pulled up on the needle bed.

NEEDLE POSITION

The working needle position of the Intarsia Carriage is different from that of K Carriage.

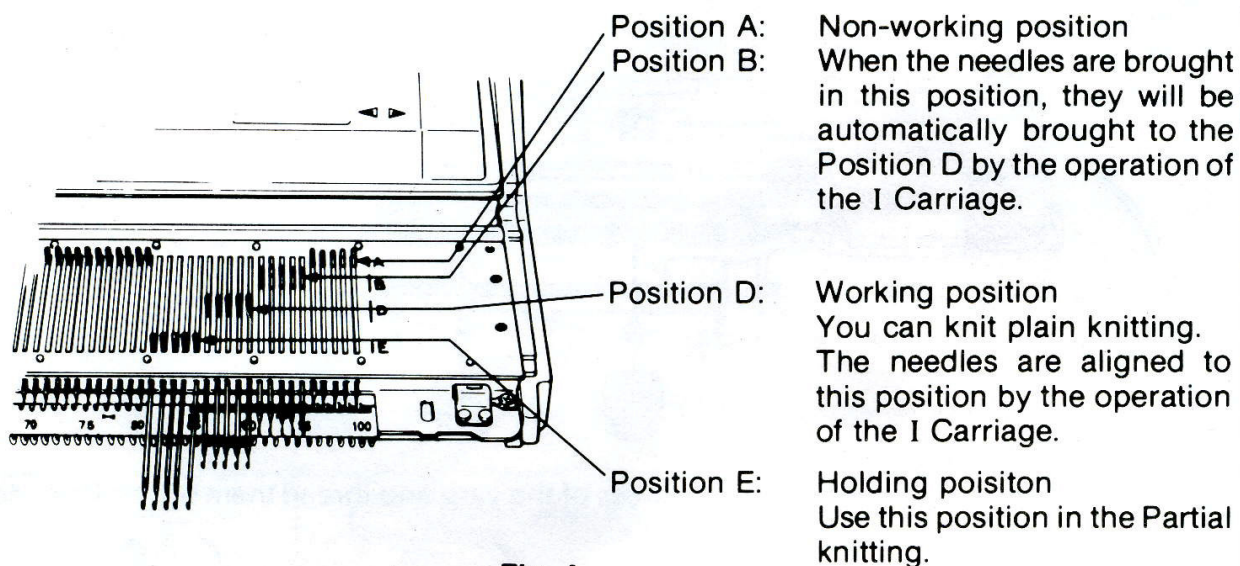
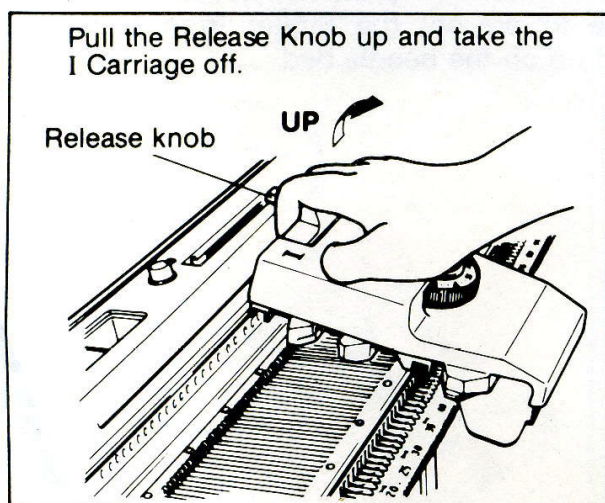


Fig. 4

IF THE I CARRIAGE SHOULD JAM



Do not move the Carriage by force.
 (Remove the Carriage carefully and knit again.)

Fig. 5 - 4 -

HOW TO USE THE INTARSIA CARRIAGE

The Intarsia Carriage is a special carriage for making the Intarsia Knitting easy. In the Intarsia Knitting the yarn does not traverse at the back and multicolor yarn can be knitted in one row.

<Before you knit the Intarsia Knitting ...>

- (1) Cast-on and knit with the K Carriage before you start the Intarsia Knitting.
- (2) Take the yarn out of the Yarn Tension Unit and the Yarn Feeder. Then place it at your feet.
- (3) Thread the Sinkers with each ball of yarn (refer to p.3).
- (4) Place all yarns you want to knit at your feet. (You need to prepare yarns according to the times you want to change them.)
- (5) Take off the K Carriage from the machine.

<Now let's start the Intarsia Knitting>

- (1) If necessary, attach the suitable Trippers onto the I Carriage.

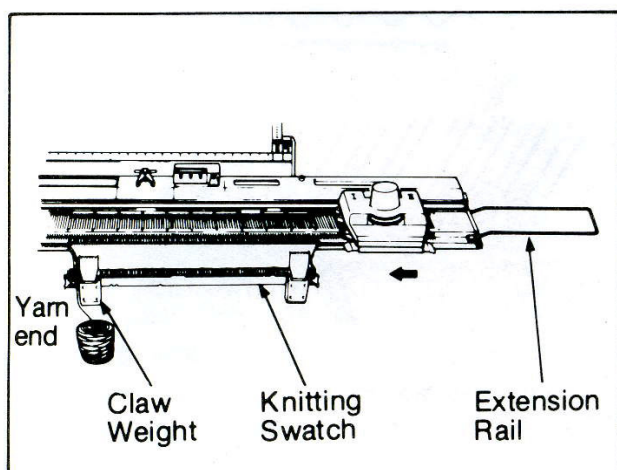


Fig. 6

- (2) Place the I Carriage at the opposite side of the yarn end.
(Place the I Carriage from the end of the needle bed. If necessary, set up the extension rails.)
- (3) Set the Tension Dial of the I Carriage equally to the K Carriage.
- (4) Hang the Claw Weights on both edges of the knitting swatch.
(Rehang them at every 20 rows.)

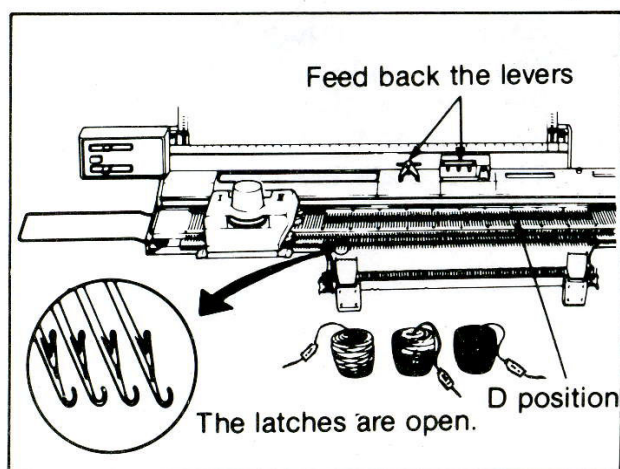


Fig. 7

- (5) Operate the I Carriage to align the needles to D position.
Make sure that the latches of the needles are open.
As you move the I Carriage the Knit-leader and the Row Counter feed one row, so, put back one row.

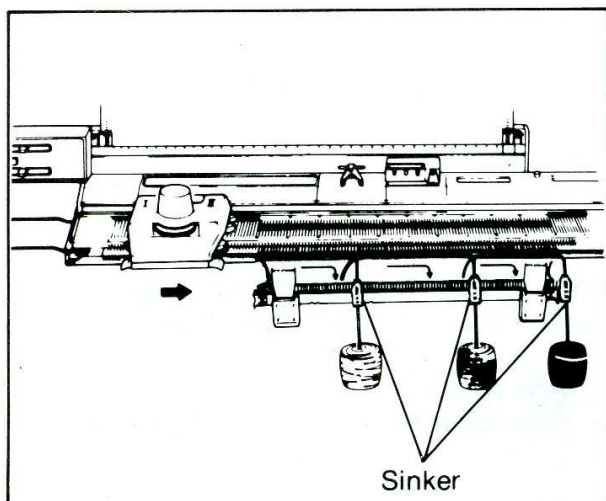


Fig. 8

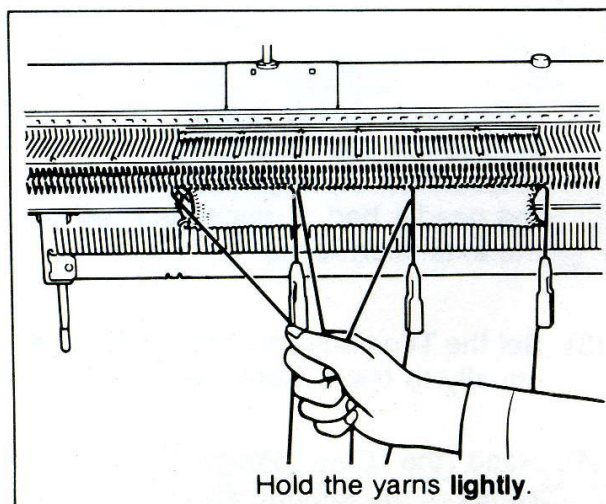


Fig. 10

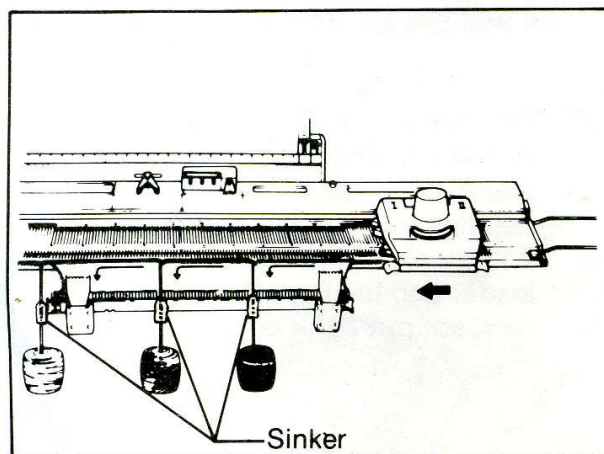


Fig. 11

(6) 1st row of the Intarsia

Lay the yarns in the hooks of the needles from the Carriage's side as shown in the figure 8.

Move the I Carriage slowly with holding the yarns ends lightly by your left hand.

* If the latches of the needles are closed, the stitches will drop!

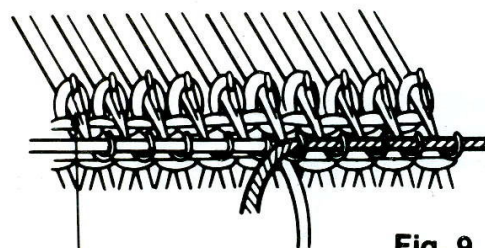


Fig. 9

The latches are open!

(7) 2nd row of the Intarsia

Refer to the figure 12 on the next page and lay the yarns in the hooks of the needles. (Cross the yarns when you change them.)

Then operate the I Carriage. Repeat these steps.

How to lay the yarns

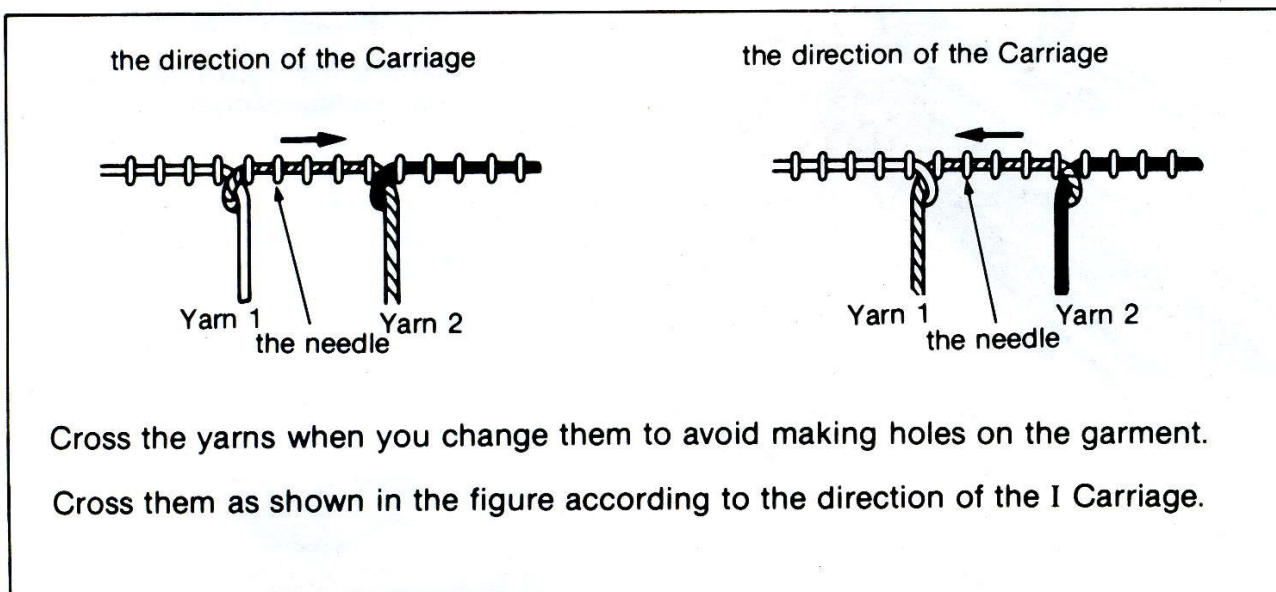


Fig. 12

NOTE

(TENSION GAUGE) When you make a tension swatch pay attention to the difference between the K Carriage and the I Carriage. Although the Tension Dial of the I Carriage almost corresponds to that of the K Carriage, the tension gauge can be changed by the strength of holding yarn with your hand.

- * When you decide the size or place of the pattern in the Intarsia Knitting, it is better to use the Knit-leader.
If you do not have it, you had better use Intarsia diagram.
- * Tie the yarn at the edge of the knitting especially with thick yarn. (Do not make a knot on the way of the knitting.)

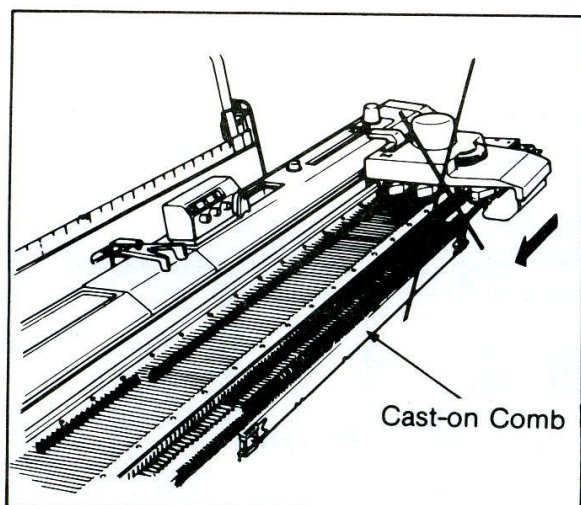


Fig. 13

* When the Cast-on comb is hanged on the gate pegs do not operate the Intarsia Carriage.

* Do not operate the I Carriage without yarn as there is a fear of doing damage to the needles.

* Oil the following parts slightly before you knit.

- ① The metal cams on the back of the I Carriage.
- ② The metal part that touches with the rear rail of the needle bed.
- ③ The metal slit where rubber wheel move.

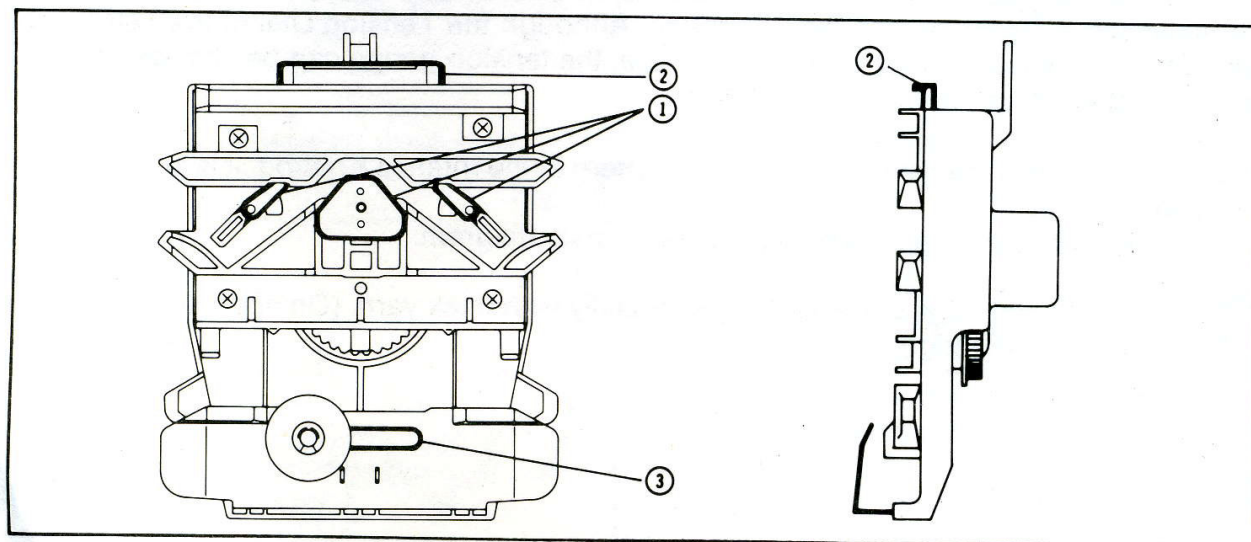


Fig. 14