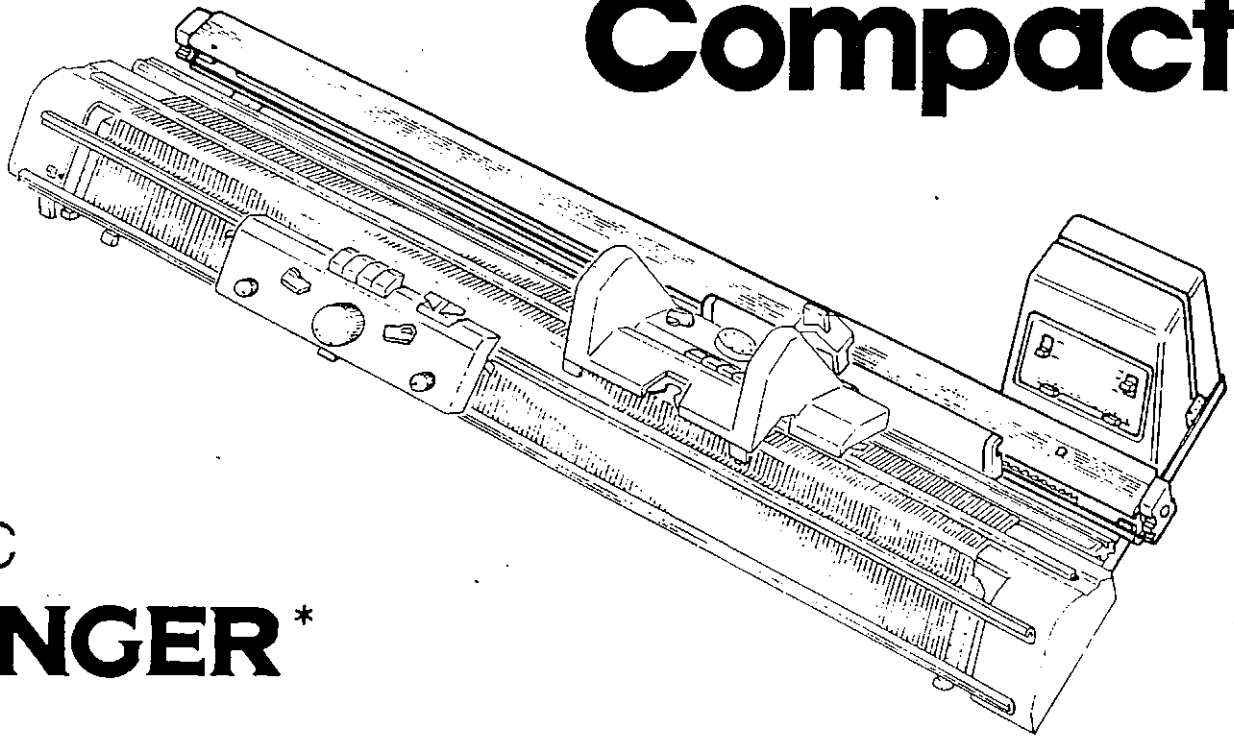
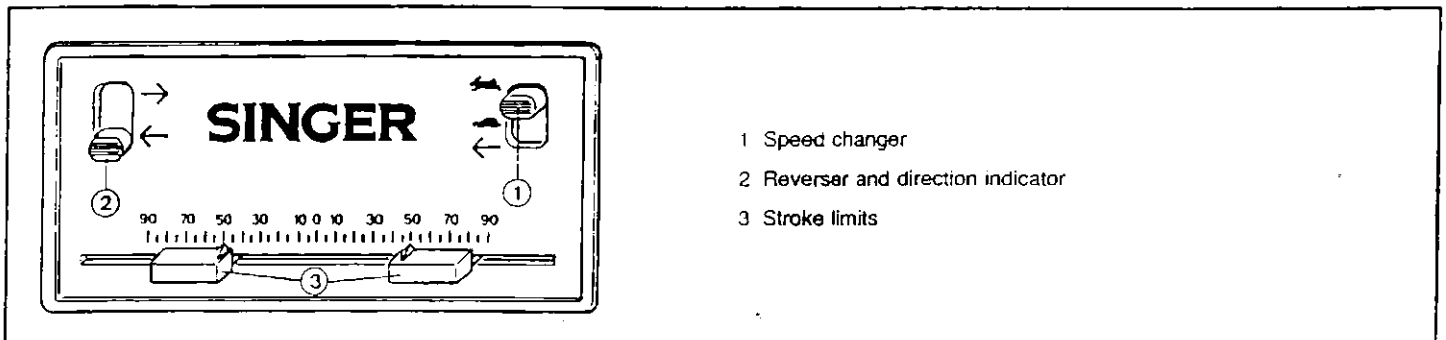


# Motor - Drive Compact






STC  
**SINGER**\*

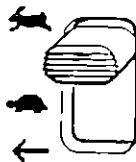
## Use of the different controls





- 1 Speed changer
- 2 Reverser and direction indicator
- 3 Stroke limits

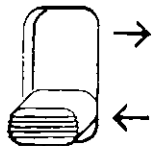
### 1. SPEED CHANGER

- The upper position  corresponds to the high speed and is used in most cases when knitting *without automatic needle selection* and when knitting Jacquard.
- The middle position  corresponds to the normal speed and is used when knitting Fair Isle and all patterns with automatic needle selection.
- The lower position  : when holding this switch down, the carriage will be moved to the far left of the machine regardless of the number of needles in working position. When releasing this switch, it will automatically come back to the middle position.

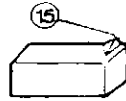


### 2. REVERSER AND DIRECTION INDICATOR

- When the switch is set in upper position  : the Motor-Drive Compact will move the carriage according to the direction the arrow is showing i.e. towards the right-hand side.
- When the switch is set in lower position  : the Motor-Drive Compact will move the carriage according to the direction the arrow is showing i.e. towards the left-hand side.
- When using the Motor-Drive Compact you may select this switch either in upper or lower position according to the chosen direction. This operation is done when the Motor-Drive is stopped.

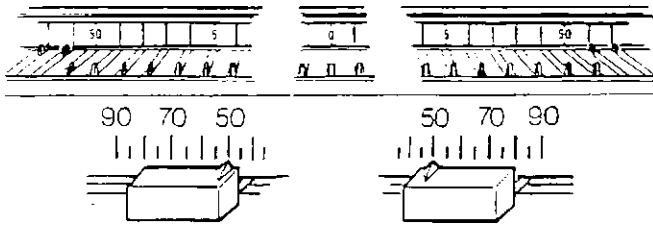


### 3. STROKE LIMITS



The index (15) on top of the stroke limit indicates the maximum number of needles which will knit at each side of 0 on the graduated scale.

To bring the index (15) of the stroke limits opposite to the required graduation, press the stroke limits against the board and move them towards the right or the left-hand side.

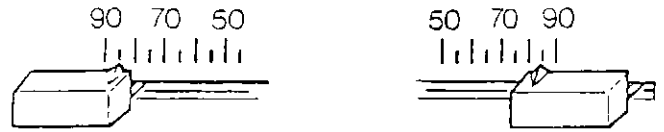


#### • How to adjust the stroke

Bring the index (15) of the stroke limit opposite to the graduation corresponding to the total number of needles in working position at the right-hand side.

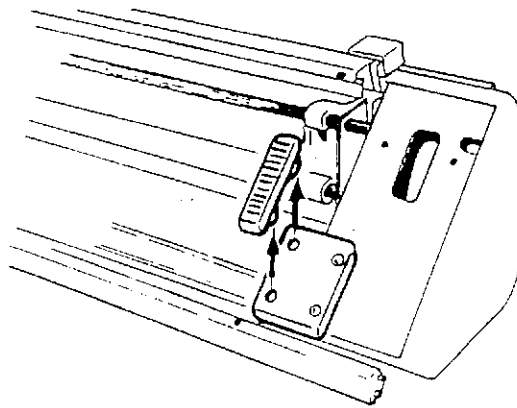
Should not the number of needles in working position correspond to a graduation bring the index of the stroke limit opposite to the graduation immediately above. Repeat the same operation at the left-hand side.

#### IMPORTANT:



When using the high speed never set the stroke limits beyond the graduation 85 even if the stroke of the carriage is longer.

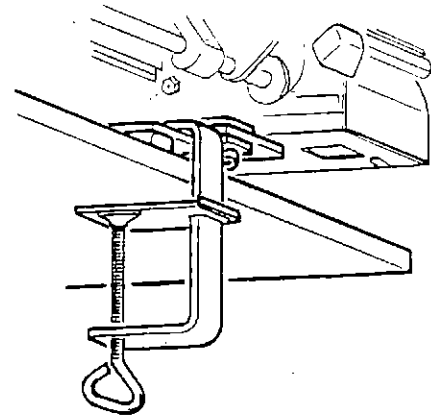
## Setting up your Motor-Drive Compact



1

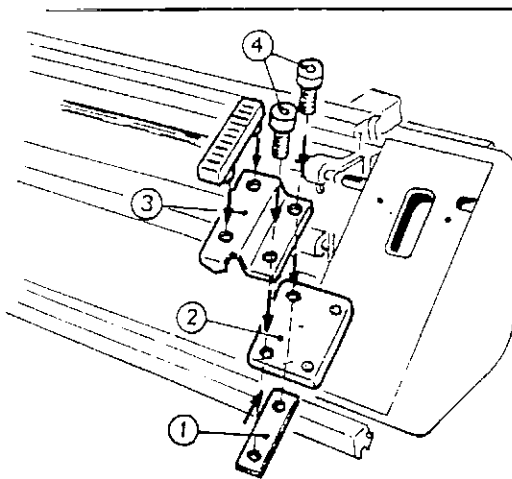
Remove the carriages from the machine and lay them upside down. (Never place a carriage cam down or you will damage it.), Remove the tension unit and the tension unit stand with the row counter.

Remove the table clamps and turn the machine over. Remove the table protectors from the base bracket.



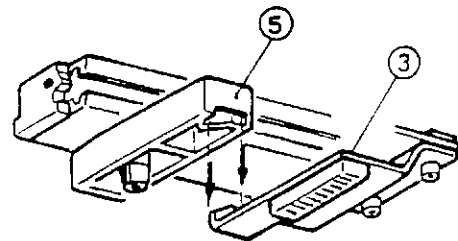
3

Place the knitting machine on the table, making sure the table protectors are in line with the edge of the table. Fix the machine with the clamps.



2

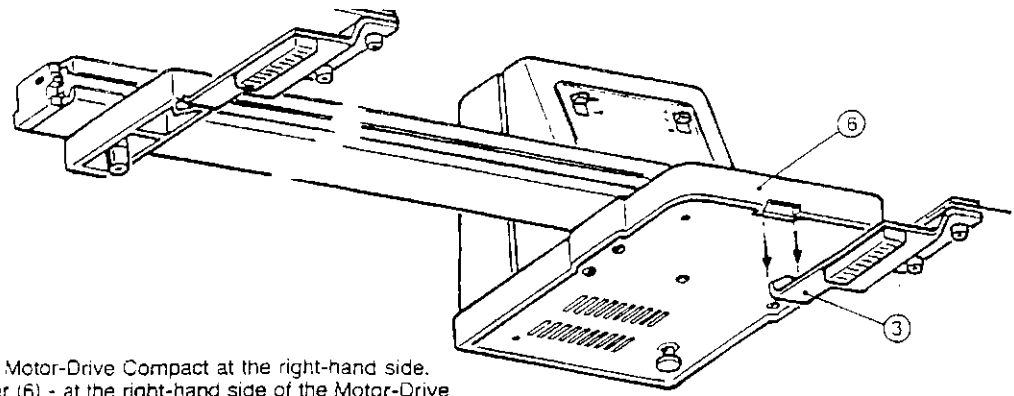
Apply the bracket fixing plate (1) underneath the base bracket (2). Hold the anchor-plate (3) above the base bracket (2). Using a 4 mm Allen key, fix the anchor-plate (3) with the two Allen head screws (4). Push the anchor-plate (3) towards the base bracket (2) and tighten the screws (4) firmly. Replace the table protector onto the anchor-plate (3). Repeat the same operation for the other side of the machine.



4

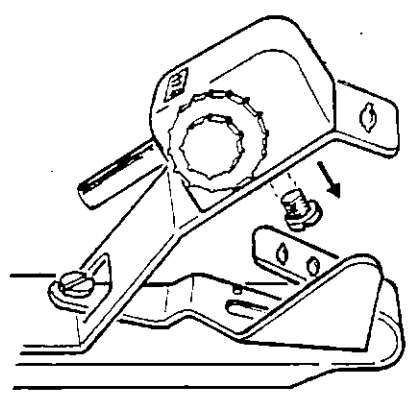
Place the Motor-Drive Compact on the table, behind the machine. Fit the attaching sole (5) - at left-hand side of Motor-Drive Compact - onto the anchor-plate (3).

5



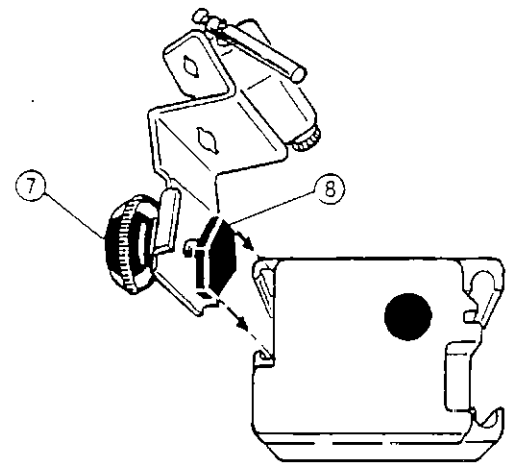
Slightly raise the Motor-Drive Compact at the right-hand side. Fit the base cover (6) - at the right-hand side of the Motor-Drive Compact - onto the other anchor-plate (3).  
NOTE: To remove the Motor-Drive Compact, make sure to disengage first the base cover (6) from its anchor-plate (3).

6



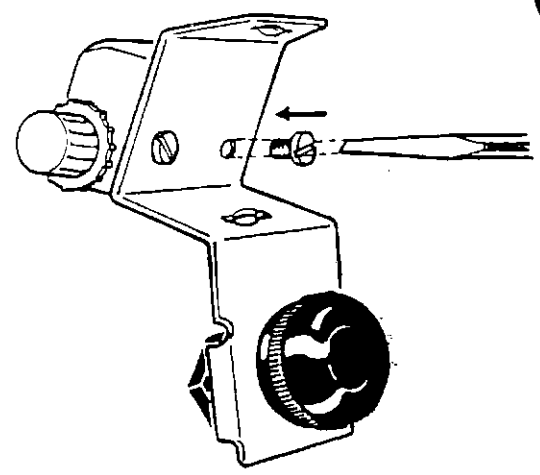
Remove the row counter from the tension unit stand by removing the screws from behind the row counter.

8



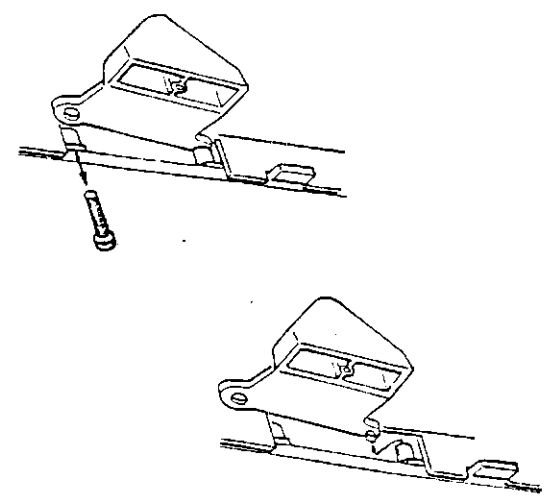
Attach the tension unit stand with the row counter to the Motor-Drive rail by sliding the hexagonal head (8) into the track opening at the rear of the rail. Slide the stand into position behind the central 0 of the graduated needle scale on the machine and screw firmly into place.

7



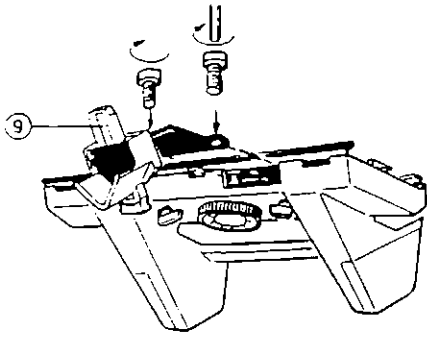
Using the same screws attach the row counter to the new tension unit stand supplied with the Motor-Drive Compact.

9



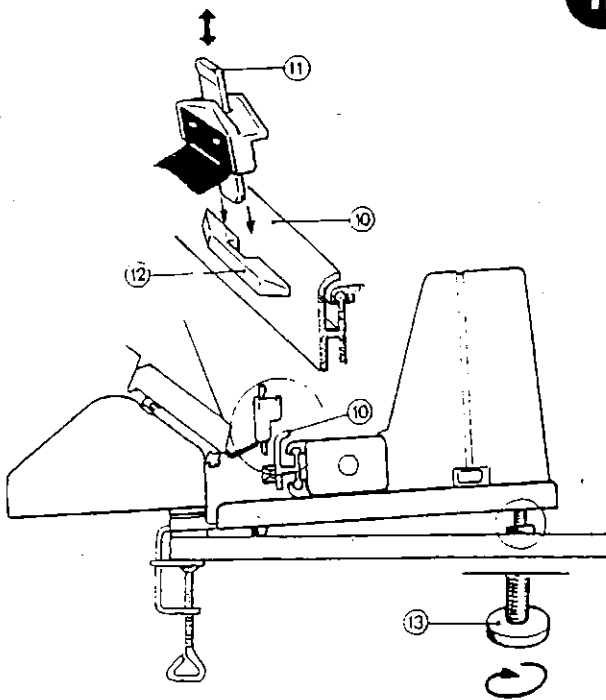
Using a 4 mm Allen key remove the Allen head screws nearest the slider rail immediately below the row counter cam bracket on the back carriage. Pull out the row counter cam bracket carefully.

10



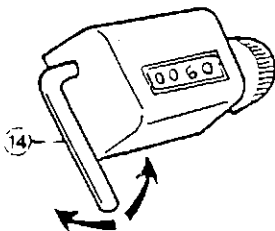
Insert the row counter cam bracket (9) with engaging bolt supplied with your Motor-Drive Compact.  
Reinsert the Allen head screws with the shorter screw near the Jacquard key.  
Tighten them carefully.

11



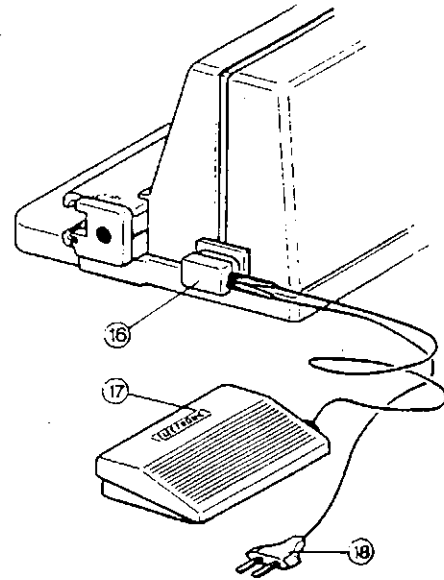
Replace the back carriage onto the machine.  
Bring the carriage towards the drive guide (10) and press the engaging bolt (11) downwards into the drive slot (12) of the drive guide.  
Should the engaging bolt (11) knock against the drive slot (12), turn the level adjusting knob (13) located underneath the base cover (6) to the left or to the right-hand side until the engaging bolt (11) can be pressed downwards into the drive slot (12) without any difficulty.

12



adjust the row counter arm (14) so that each passage of the carriage registers on the row counter.

## How to plug in and how to use Motor-Drive Compact



Plug the power lead (16) of the speed controller (17) into the side of the Motor-Drive and then the power lead (18) into the electrical outlet.

**CAUTION:** When using the high speed, limit the stroke by setting the stroke limits opposite to the graduation 85 at each side.

Press down the speed controller (17) to bring the drive guide (10) towards the carriage.  
Lock the carriage by pressing the engaging bolt (11) downwards.  
Knit.

**NOTE:** To change the direction indicator or the stroke limits, raise the foot from the speed controller (17) because these operations be done when the Motor-Drive is stopped.

**CAUTION:** As the carriage goes beyond the ends of the machine, it is necessary to make sure that nothing or nobody are within the moving area of the drive guide when the machine is in use.

**CAUTION:** Always disconnect electrical power supply when the Motor-Drive is not in use.

### WHAT TO DO IF...

- The drive guide (10) jams at the right-hand side:
  - Raise the foot from the speed controller (17).
  - Set the reverser and direction indicator in lower position ( ← ).
- You want to remove the Motor-Drive Compact:
  - Should the right-hand connecting slide stop be further than 70 and the left-hand one further than 90, loosen them and bring them towards the centre of your knitting machine.
  - Release the base cover (6) from its anchor-plate (3).
  - Release the attaching sole (5) from the anchor-plate.
- The carriage jams during knitting:
  - Disconnect the engaging bolt (11).
  - Bring the drive guide (10) to the left-hand side.
  - Unlock the carriages and bring them back to their starting point.
  - Lock the carriages back on the rail.
  - Unpick the stitches or rows already knitted if necessary.
  - Reset the row counter if necessary.
  - Replace all needles into working position 1.
  - Press down the speed controller (17) to bring the drive guide (10) towards the carriage.
  - Press the engaging bolt (11) downwards.
  - Knit.
- The Motor-Drive Compact stops working after an intensive use:
  - Raise the foot from the speed controller (17).
  - Wait a few minutes before resuming knitting.