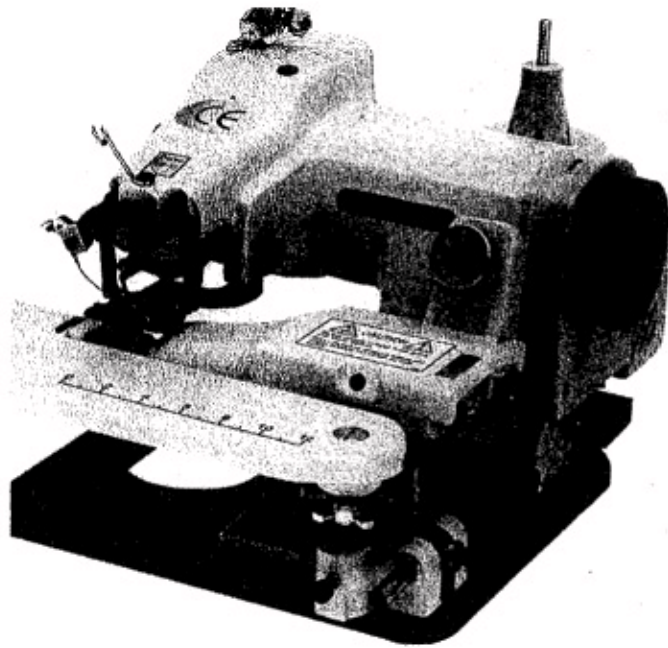


# WSM-500

## PORTABLE BLINDSTITCH MACHINE



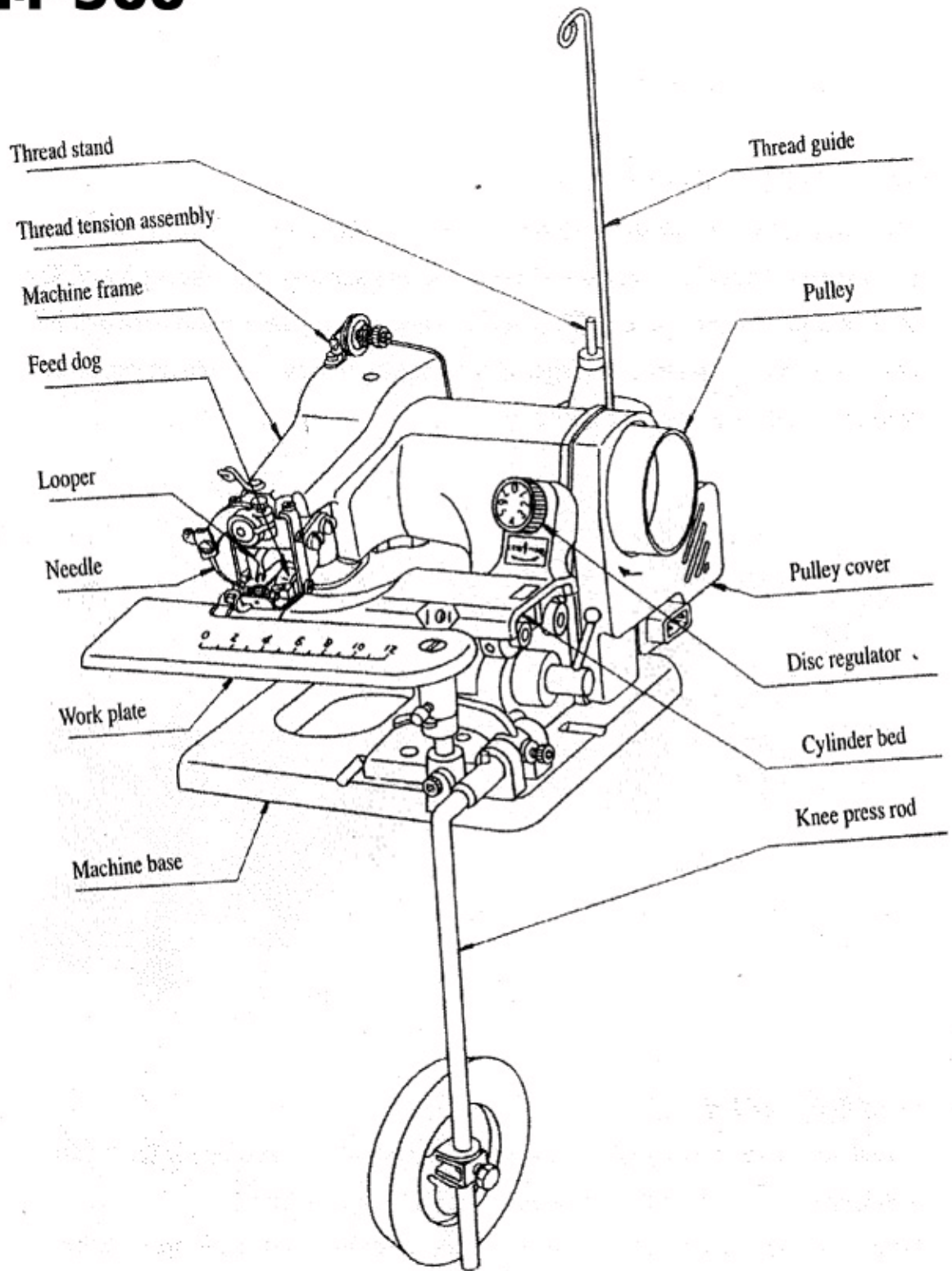
## INSTRUCTION MANUAL

# INDEX

|  |    |
|--|----|
| 1. Installing the machine:.....          | 2  |
| A. Fixing the machine.....               | 2  |
| B .Instaling the thread base.....        | 2  |
| C .Connecting motor controller.....      | 3  |
| D. Installing knee press rod.....        | 4  |
| 2. Lubrication.....                      | 4  |
| 3. Needle and thread.....                | 6  |
| 4 .Replacing the needle.....             | 6  |
| 5. Thread the machine.....               | 6  |
| 6. Before operation.....                 | 8  |
| 7. Adjusting the thread tension.....     | 9  |
| 8 .Presetting the stitch length.....     | 10 |
| 9. To adjust the stitch depth.....       | 10 |
| 10. Takeing the sewing material out..... | 11 |
| 11. Skip stitch device.....              | 12 |



# WSM-500



## 1. INSTALLING THE MACHINE

Take all spare parts and accessory out of the box



### A. LOCATING THE MACHINE (FIG.1-2)

Place the machine on a steady table and close to the right forward of the table as far as possible, take the machine clamp assembly out of the spare parts to fix the bottom of the machine onto the side of the table. The machine clamp assembly can insert into the channel of the bottom through forward of right as you require, to make sure the tighten of the machine.(Please refer to the fig.1 & fig.2)

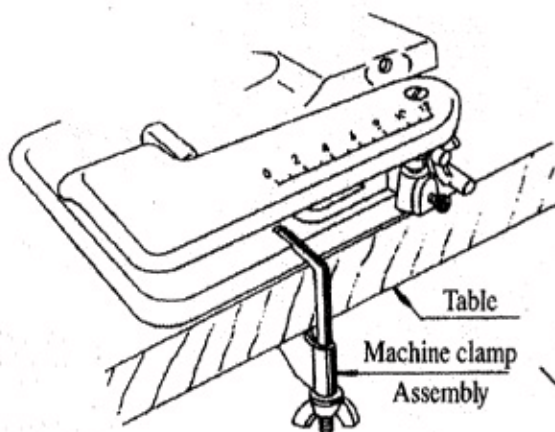


FIG.1

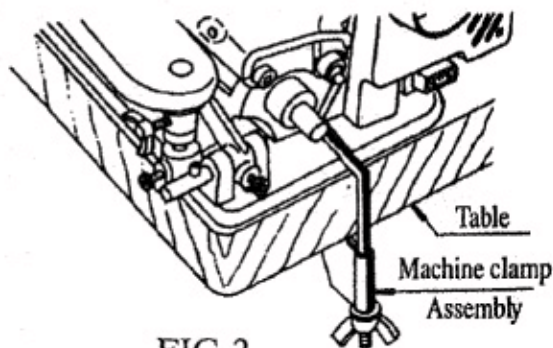


FIG.2

### B. SET LINE SOCKET (FIG.3)

At first, loosen the thread guide set screw(1). Then insert the thread guide (2) and the thread guide stud (3) in the hole of the back and tighten the set screw (1).

The second, loosen the thread guide screw (4) and adjust the thread guide top (5) to face the thread stand (6). Then tighten the thread guide screw(4).



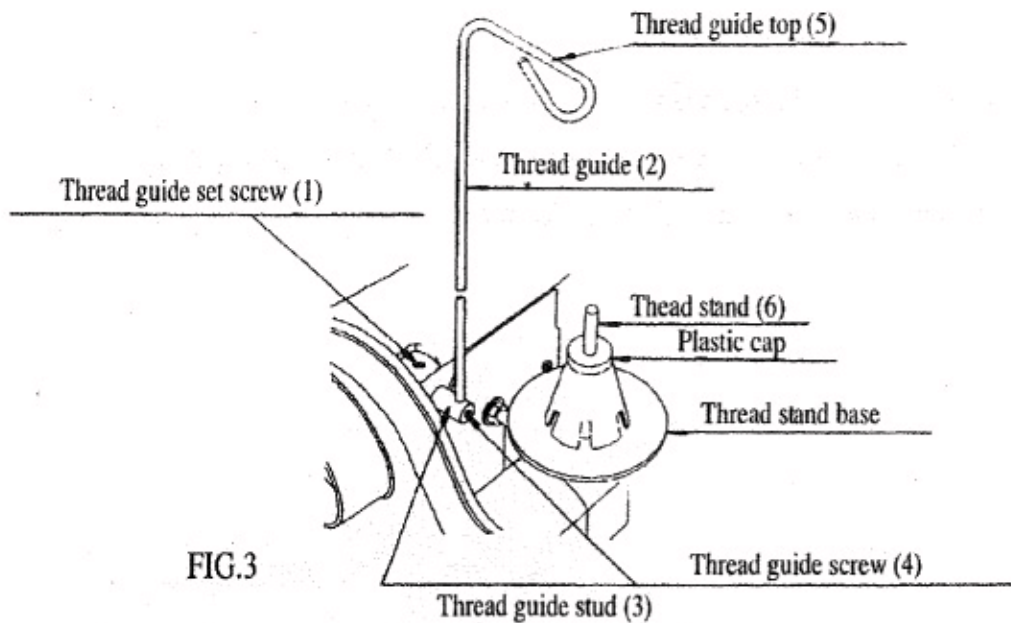


FIG.3

### C. CONNECTING THE MOTOR CONTROLLER. (FIG.4-5)

Insert the three-hole connector into the joint machine and insert the standard connector in the wall-type plug, then put the motor controller on the ground to adjust the speed.

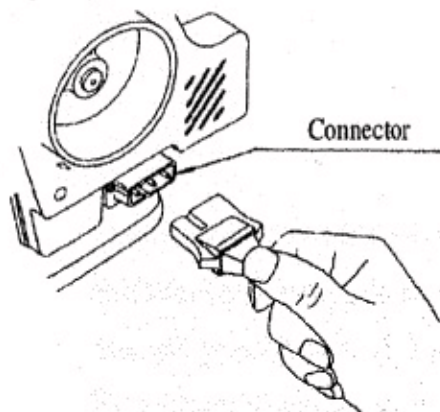


FIG.4

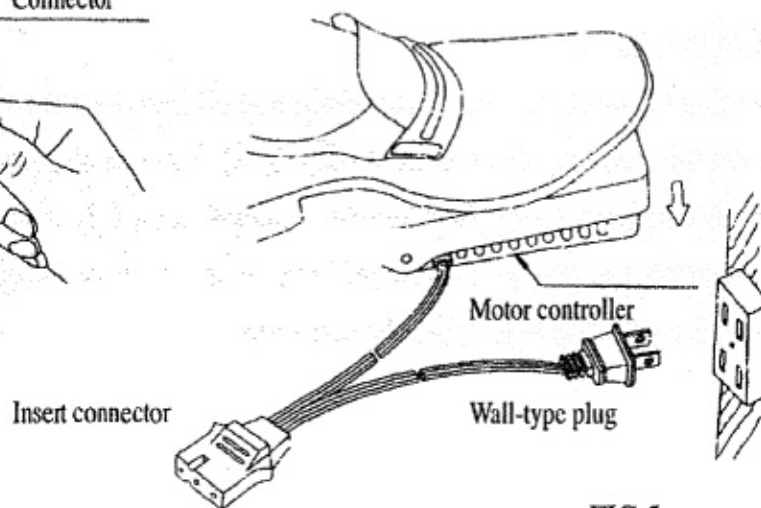
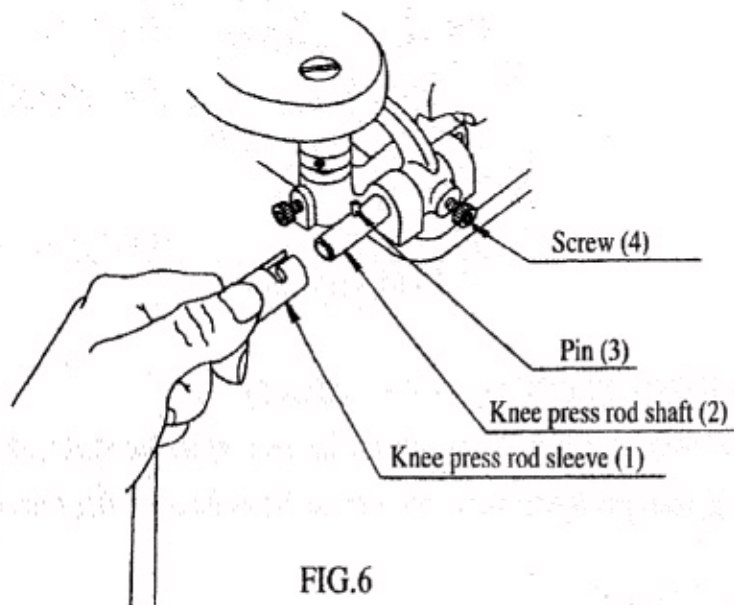


FIG.5

#### D. INSTALLING KNEE PRESS ROD (FIG.6)

Push the knee press rod (1) forward to the knee press rod shaft (2) and make the pin (3) be put into the l-groove smoothly. Loosen the screw (4) to adjust the angle of the knee press rod as you require and then tighten the screw (4).



#### 2. LUBRICATION (FIG.7)

After installing the machine, pour some lubrication oil into the holes on the machine to operate smoothly and lengthen the serve life (Fig.7). You can also pour some machine oil on the running parts inside the machine to operate smoothly after opening the arm side cover and the arm rear cover. You had better pour one or two drops of machine oil before operation everyday to lengthen the serve life.



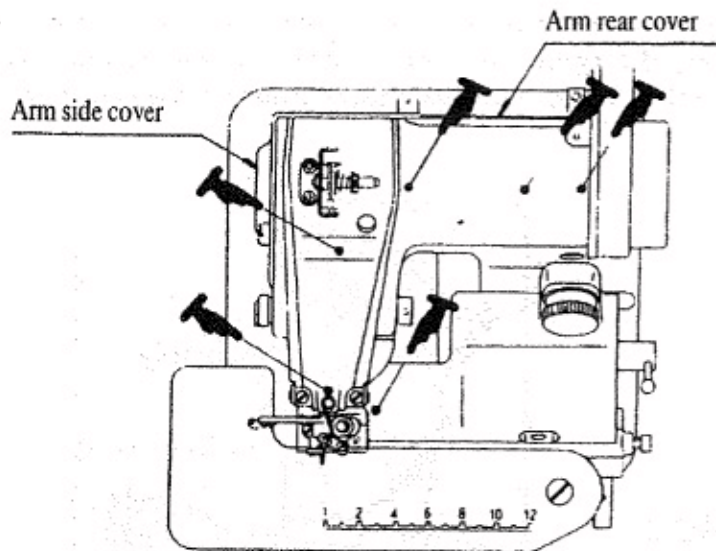


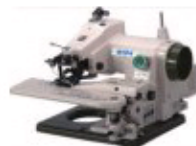
FIG.7

### 3. NEEDLE AND THREAD

Select the needle (LW x 6T)

To ensure the satisfactory operation of the machine the thread needle and material should be matched as follows:

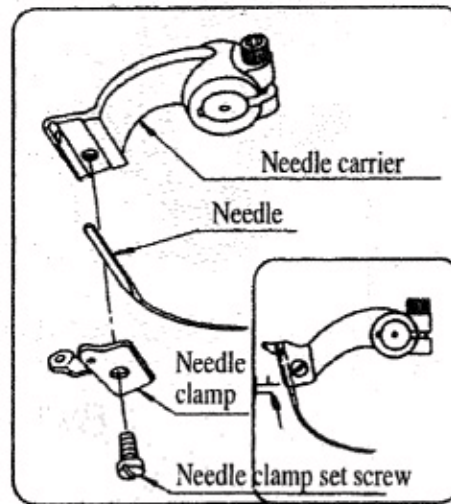
| Needle         | Thread    | Sewing material                         |
|----------------|-----------|---|
| Size 3(11)     | No.80-100 | Nylon silk or other thin materials      |
| Size 3 1/2(14) | No.60-70  | Cotton, woolen or other medium material |
| Size 4(16)     | No.50-60  | Thick woolen or other thick material    |



#### 4. REPLACING THE NEEDLE (FIG. 8)

Raise needle to its highest position by turning the wheel clockwise and loosen the needle clamp set screw (1) about two round, then replace the needle and insert the new needle into the needle carrier (2) and push it up as far as it will go. Install the needle clamp and tighten the needle clamp set screw. (Please refer to Fig8)

FIG.8



#### 5. THREADING THE MACHINE (FIG. 9-12)

##### A. Put the thread on the plastic cap (Fig.9)

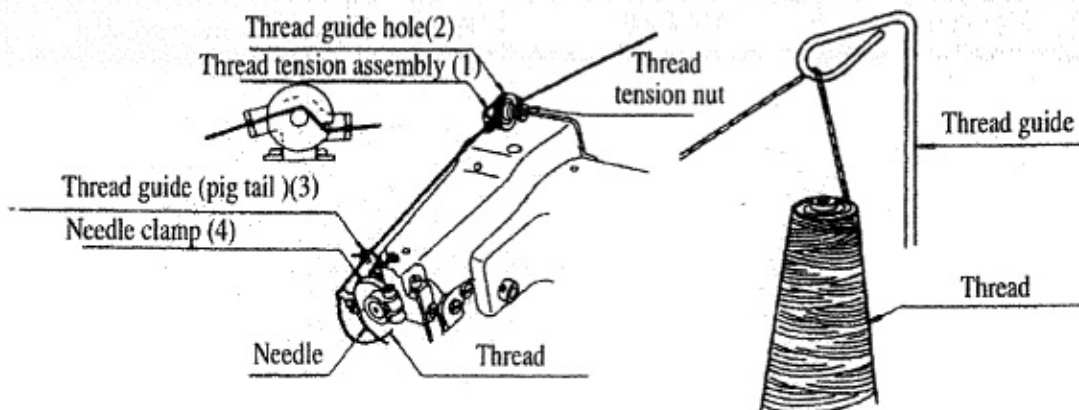


FIG.9





B. Using common thread spool, please take off the plastic cap and put the thread spool on the thread stand. (Fig. 10)

C. Please refer to Fig.9 to thread the machine correctly.

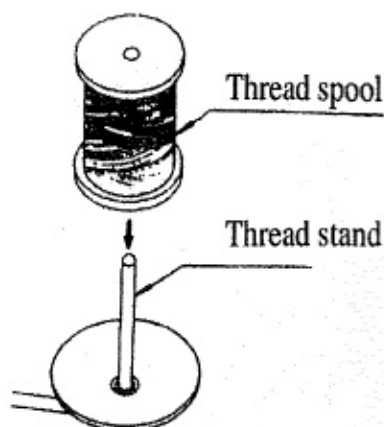


FIG.10

When the thread is up to the thread guide assembly (1), draw the thread through thread guide hole (2), out of the front hole (Fig.9), thread guide (3) and the hole of the needle clamp (4) from top to bottom. Please note that the direction of the needle is over left, draw the thread upward through out of the needle hole (Fig. 11),  
If you loosen the work plate set screw and open the work plate, it is easier to thread the needle. (Fig. 12)

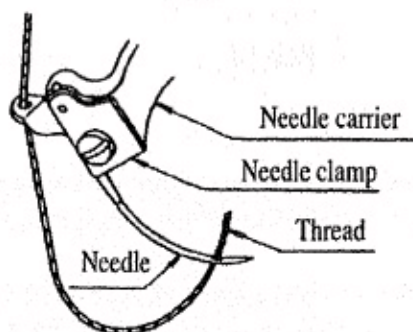


FIG.11

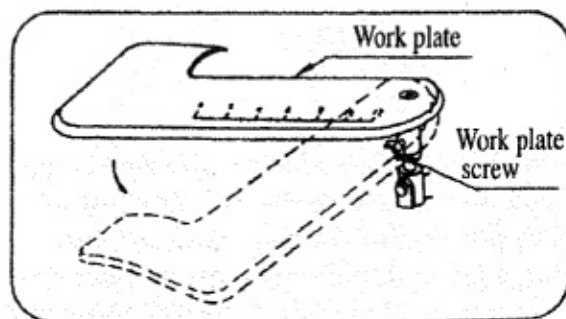


FIG.12



## 6. BEFORE OPERATION (FIG.13-14)

You should check the knee press rod to make sure the clearance between the presser foot and the cylinder bed is sufficient. Then place the material flat in the gap between the needle plate & presser plate or keep the edge of the sewing material and the edge of the edge guide parallel.

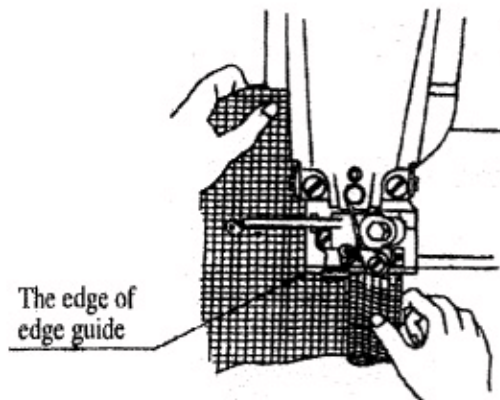


FIG.13

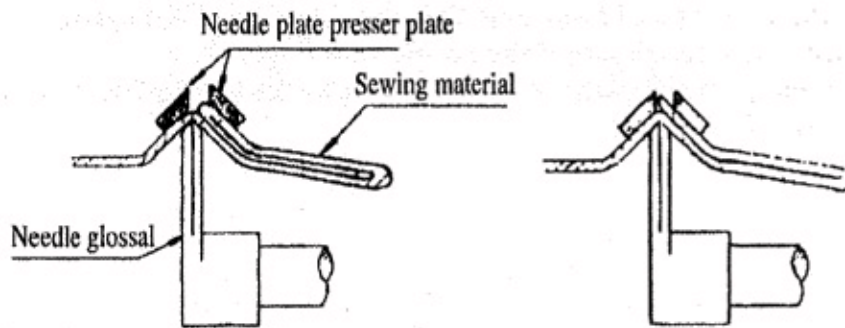


FIG.14-1

FIG.14-2

Loosen the knee press rod after placing the material and begin to operate slowly. Not only should you look at the needle, but also pay attention to whether the sewing material is parallel to the edge of the edge guide or not.

A. Sewing edge of double-ply material, put down the sewing material as Fig.14-1 showed.

B. Sewing edge of single-ply material, put down the sewing material as Fig. 14-2 showed.



## 7. ADJUSTING THE THREAD TENSION (FIG. 15-16)

You should select the thread in direct relation to the material being sewn. The thread tension can be adjusted by turning the thread tension nut on the moving arm.

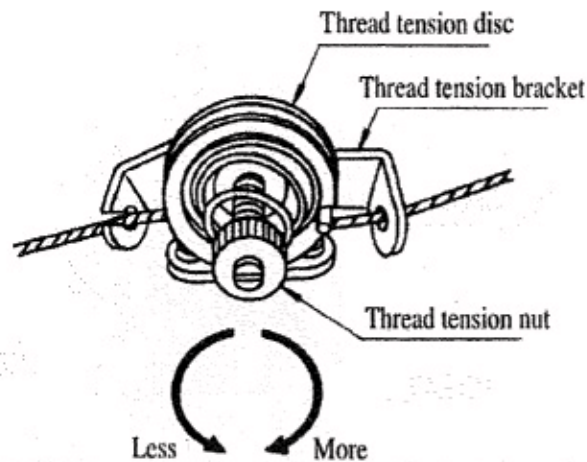


FIG.16

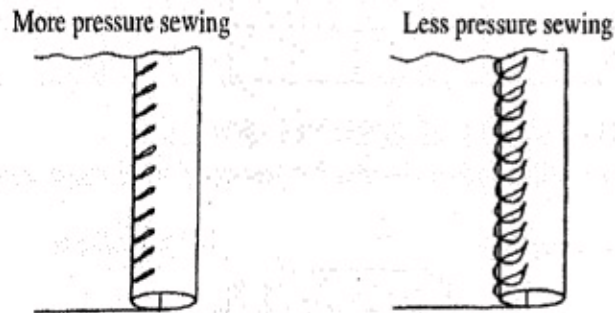


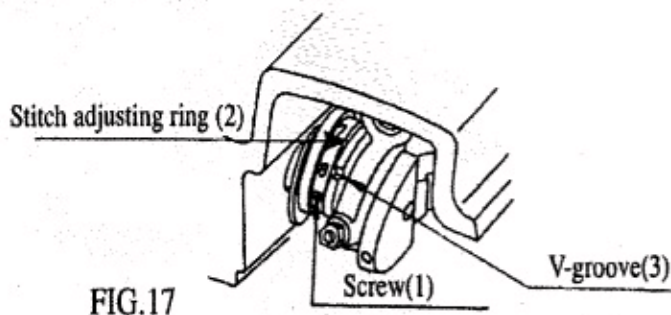
FIG.15

Turn the nut clockwise to increase the pressure. Turn the nut counter-clockwise to decrease the pressure. To avoid adjusting more than a 1/4 turn when loosening or tightening every time, you may want to first test the pressure first and adjust it if necessary.



## 8. PRESETTING THE STITCH LENGTH (FIG. 17)

Loosen the two nuts and open the arm side cover, then loosen the two nuts (1) in the stitch adjusting ring (2). Turn the stitch adjusting ring (2) until the V-groove points to the desired number, and then tighten the screws (1). The factory setting is "6".



The numbers on the stitch adjusting ring represents the length of the stitch shown in the box below:

|                     |   |   |   |   |   |
|---------------------|---|---|---|---|---|
| Number              | 4 | 5 | 6 | 7 | 8 |
| Stitch length (M/M) | 4 | 5 | 6 | 7 | 8 |

## 9. TO ADJUST THE STITCH DEPTH (FIG.18)

You can adjust the stitch depth needle by turning disc regulator in the front of the machine.

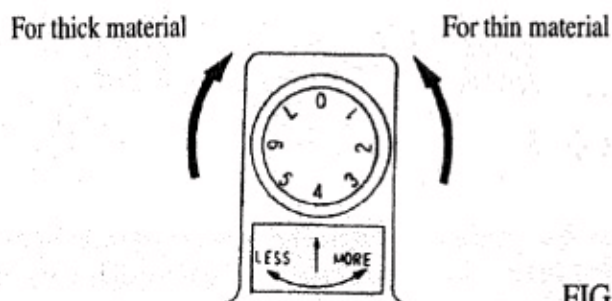


FIG.18

When you are sewing thin material, please turn the disc regulator counterclockwise to increase the stitch depth. The bigger the number on the disc, the deeper the stitch. Conversely, turn the disc regulator clockwise to decrease the stitch depth. To avoid the needle and machine being broken, we suggest that you had better try to sew in a short length before operation and decide the suitable depth according to the actual stitch.

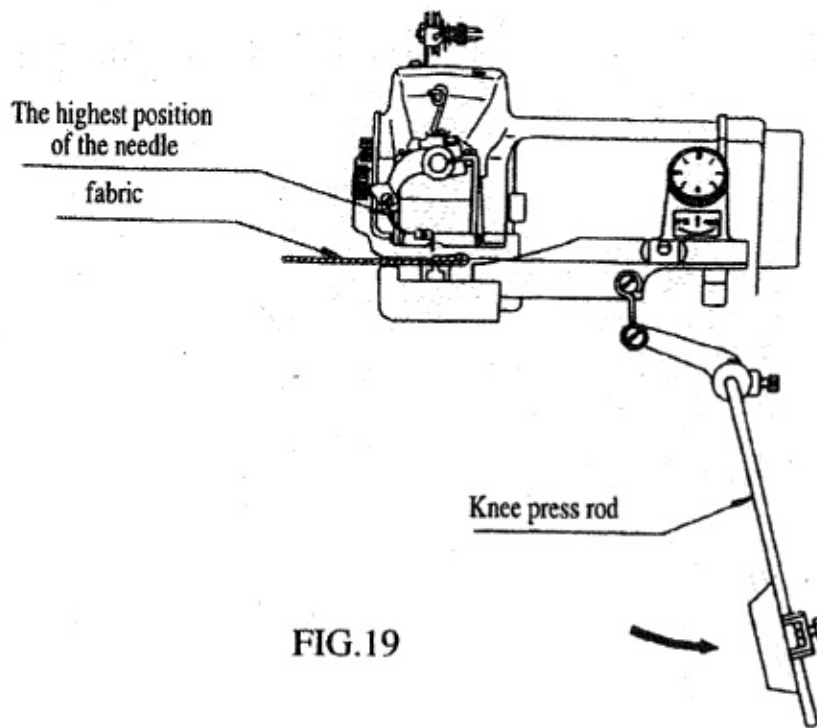
**Note:** Adjust the disc regulator until the machine stops.





## 10. REMOVING THE FINISHED FABRIC (FIG.19)

Stop the machine and turn the pulley clockwise until the needle separates from the fabric (the needle should be at its highest position ). Then press the knee press rod to the right and draw the fabric out of the back of the machine that break the thread once the fabric has cleared the machine.





# Westchester Sewing

[www.westchestersewing.com](http://www.westchestersewing.com)



**WSM**

