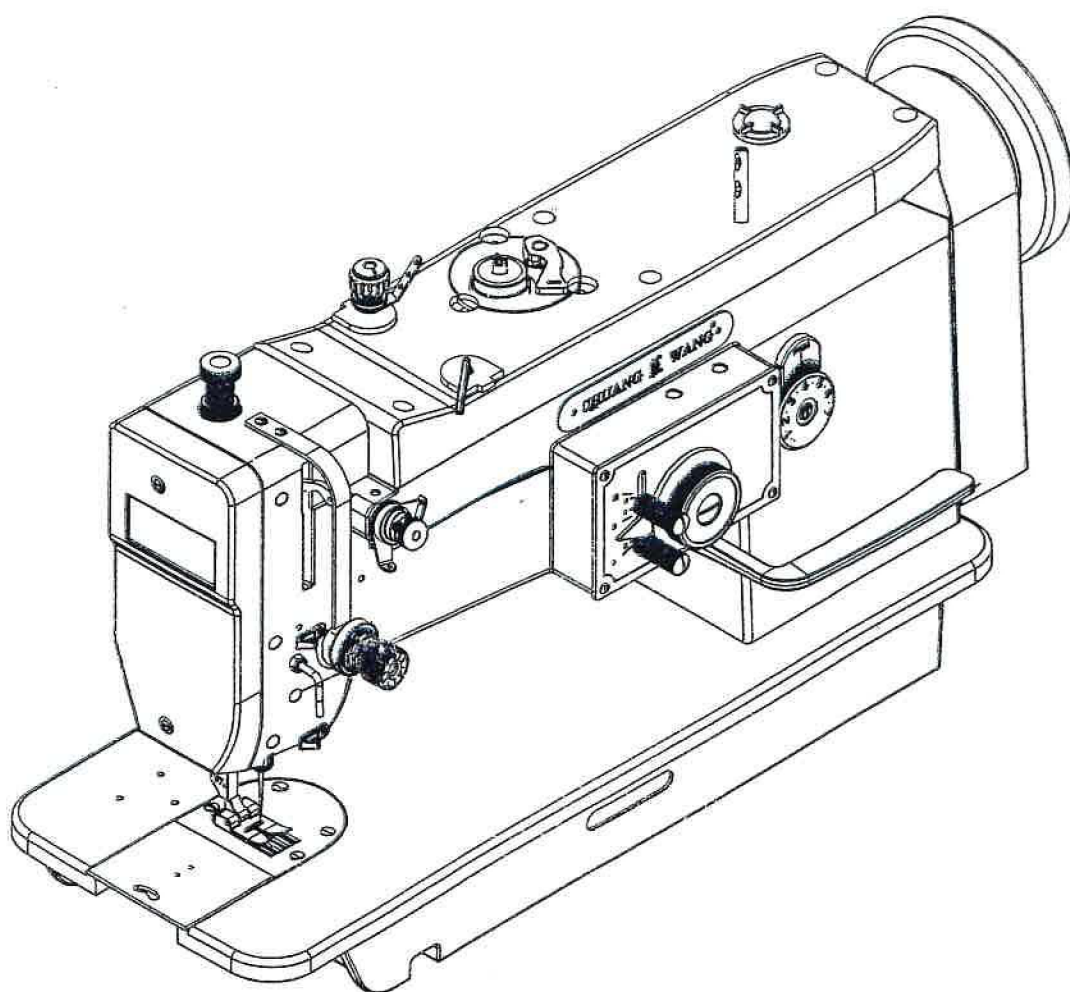


NC-1105

INSTRUCTION MANUAL



IMPORTANT SAFETY INSTRUCTIONS

Putting sewing systems into operation is prohibited until it has been ascertained that the sewing systems in which these sewing machines will be built into, have conformed with the safety regulations in your country. Technical service for those sewing systems is also prohibited.

1. Observe the basic safety measures, including, but not limited to the following ones, whenever you use the machine.
2. Read all the instructions, including, but not limited to this Instruction Manual before you use the machine. In addition, keep this Instruction Manual so that you may read it at anytime when necessary.
3. Use the machine after it has been ascertained that it conforms with safety rules/standards valid in your country.
4. All safety devices must be in position when the machine is ready for work or in operation. The operation without the specified safety devices is not allowed.
5. This machine shall be operated by appropriately-trained operators.
6. For your personal protection, we recommend that you wear safety glasses.
7. For the following, turn off the power switch or disconnect the power plug of the machine from the receptacle.
 - 7-1 For threading needle(s), looper, spreader etc. and replacing bobbin.
 - 7-2 For replacing part(s) of needle, presser foot, throat plate, looper, spreader, feed dog, needle guard, folder, cloth guide etc.
 - 7-3 For repair work.
 - 7-4 When leaving the working place or when the working place is unattended.
 - 7-5 When using clutch motors without applying brake, it has to be waited until the motor stopped totally.
8. If you should allow oil, grease, etc. used with the machine and devices to come in contact with your eyes or skin or swallow any of such liquid by mistake, immediately wash the contacted areas and consult a medical doctor.
9. Tampering with the live parts and devices, regardless of whether the machine is powered, is prohibited.
10. Repair, remodeling and adjustment works must only be done by appropriately trained technicians or specially skilled personnel. Only spare parts designated by CHUANG WANG can be used for repairs.
11. General maintenance and inspection works have to be done by appropriately trained personnel.
12. Repair and maintenance works of electrical components shall be conducted by qualified electric technicians or under the audit and guidance of specially skilled personnel. Whenever you find a failure of any of electrical components, immediately stop the machine.
13. Periodically clean the machine throughout the period of use.
14. An appropriate power plug has to be attached to the machine by electric technicians. Power plug has to be connected to a grounded receptacle.
15. The machine is only allowed to be used for the purpose intended. Other used are not allowed.
16. Remodel or modify the machine in accordance with the safety rules/standards while taking all the effective safety measures. CHUANG WANG assumes no responsibility for damage caused by remodeling or modification of the machine.
17. Warning hints are marked with the two shown symbols.



Danger of injury to operator or service staff



Items requiring special attention

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Danger of injury to operator or service staff



Items requiring special attention

FOR SAFE OPERATION



1. To avoid electrical shock hazards, neither open the cover of the electrical box for the motor nor touch the components mounted inside the electrical box.



1. To avoid personal injury, never operate the machine with any of the belt cover, finger guard or safety devices removed.
2. To prevent possible personal injuries caused by being caught in the machine, keep your fingers, head and clothes away from the handwheel, V belt and the motor while the machine is operation. In addition, place nothing around them.
3. To avoid personal injury, never put your hand under the needle when you turn "ON" the power switch or operate the machine.
4. To avoid personal injury, never put your fingers into the thread take-up cover while the machine is in operation.
5. The hook rotates at a high speed while the machine is in operation. To prevent possible injury to hands, be sure to keep your hands away from the vicinity of the hook during operation. In addition, be sure to turn OFF the power to the machine when replacing the bobbin.
6. To avoid possible personal injuries, be careful not to allow your fingers in the machine when tilting/raising the machine head.
7. To avoid possible accidents because of abrupt start of the machine, turn OFF the power to the machine when tilting the machine head or removing the belt cover and the V belt.
8. If your machine is equipped with a servo-motor, the motor does not produce noise while the machine is at rest. To avoid possible accidents due to abrupt start of the machine, be sure to turn OFF the power to the machine.
9. To avoid electrical shock hazards, never operate the sewing machine with the ground wire for the power supply removed.
10. To prevent possible accidents because of electric shock or damaged electrical component(s), turn OFF the power switch in prior to the connection/disconnection of the power plug.
11. Be sure to confirm that the machine head support bar is properly set in place before tilting the machine head.

BEFORE OPERATION

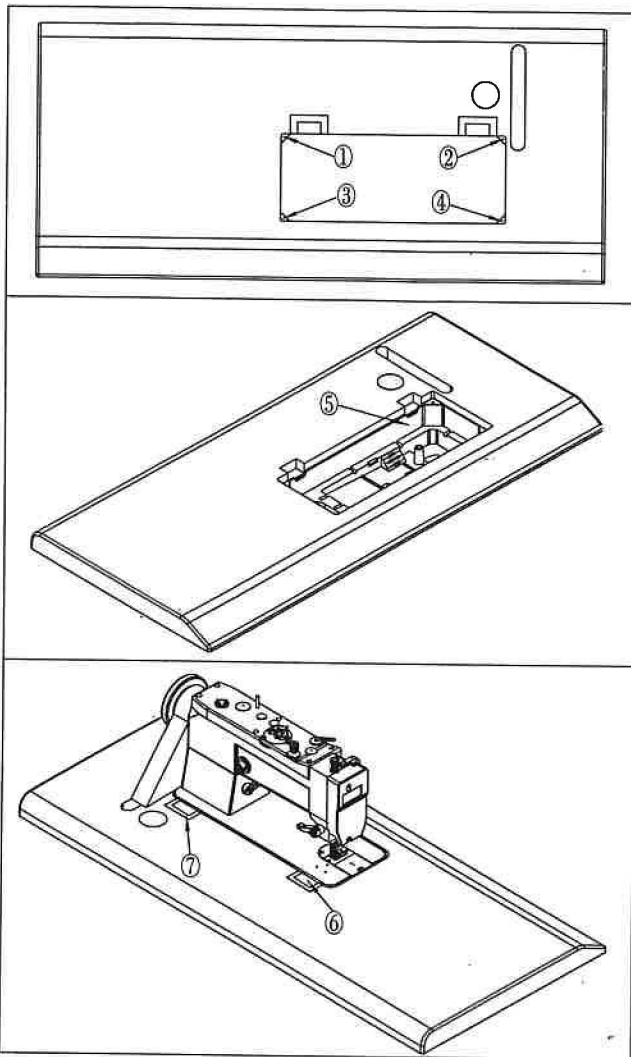


CAUTION :

To avoid malfunction and damage of the machine, confirm the following.

- Before you put the machine into operation for the first time after the set-
- Remove all dust gathering during transportation and oil it well.
- Confirm that the power plug has been properly connected to the power
- Confirm that the voltage has been properly set.
- Never use the machine in the state where the voltage type is different from
- The direction of rotation of the sewing machine is counterclockwise as Be careful not to rotate it in reverse direction.
- For the first month, run the machine at a speed of 1,800rpm or less.

1. 縫紉機的安裝/INSTALLATION



1、在圖示把底槽到機臺的四角上①②③④。

1.Put the base at the corner of the table①②③④ .

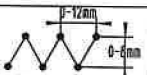

2、用螺釘把四角上①②③④橡膠放上，然後把油盤⑤放上去。

2.Install the corner rubber cushion at the corner of the table with a nail.(Four corner ①②③④), and then fit the oil pan ⑤.

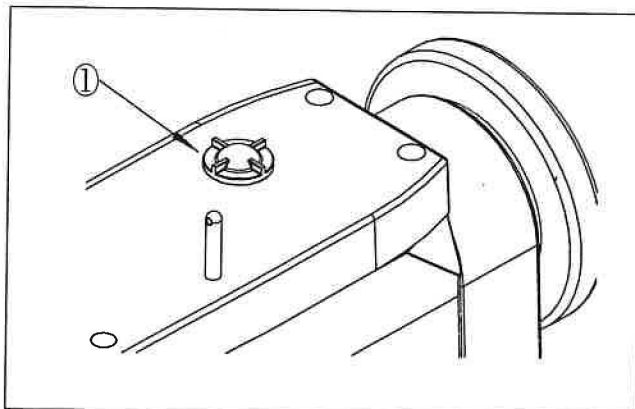
3、把鉸鏈⑥放到機臺的孔上，對準臺板橡膠支座⑦，把頭部放到四角的機頭膠墊上。

3.Fit the hinge ⑥ connection to the hinge rubber cushion ⑦ and then place the machine head onto the corner rubber cushion.

2. 規格/SPECIFICATIONS

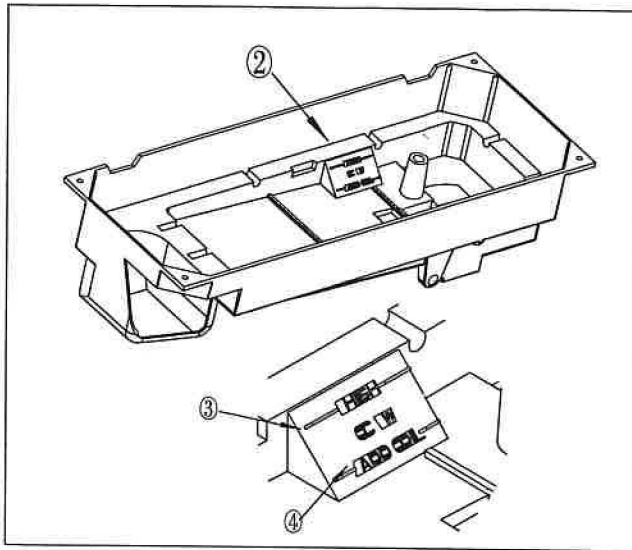
用途 Usage	最高縫速 Max.Speed	縫目長度 Max.Stitch	直線縫最大縫目 MAX.STITCH LENGTH FOR STRAIGHT STITCHING	手提押腳高度 Presser Foot Clearance	使用針 Needle Type	使用梭床 Hook Type
中厚料 (Medium to thick Materials)	1200 s.p.m			9-13 mm	DPx5 #14-#22	大型梭床 Large Hook

3. 加油/LUBRICATION



1、圖①為打油器送油觀查點；
在整機開始連作後，經由目視；油料有進入
此觀查點；即可透過內部油管綫路達到整機
內部零件自動潤滑的效果。

① is oil sheck window;
Oil streaming for lubrication purpose can
be seen through the clear oil check
window.



2、請把機油倒進油盤②裏，一直到 HIGH 標記③位置；油盤的油面降到 ADD OIL 標記④以下時，請再次補充機油。

2. Fill oil into oil pan ② to HIGH mark. Please re-fill oil when oil down ADD OIL mark.



注意

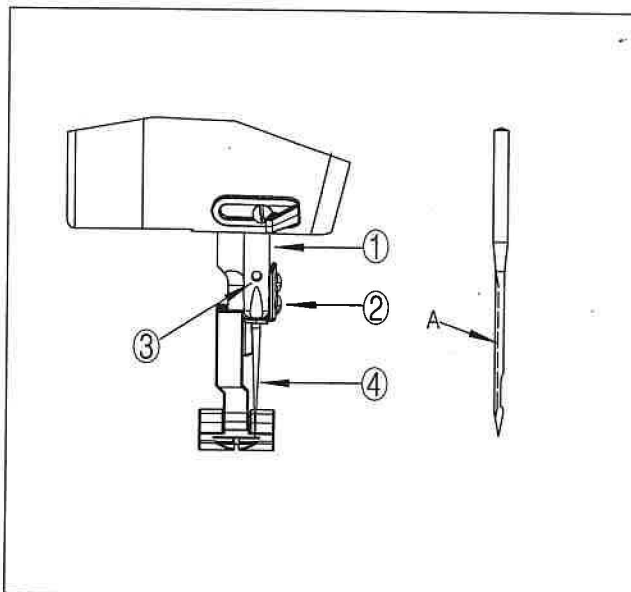
請每日檢查油量，避免縫機因油量不足，沒法自動加油潤滑而造成各部位零組件損；壞故障與縫紉機運作的性能。



Caution

checking oil amount everyday, make sure to have sufficient oil to avoid parts damage and malfunction of the machine caused by lack lubrication.

4. 機針的安裝/ATTACHING THE NEEDLE



標準機針是 DPx5#14 #22, DPx17#16 #22.

- ①移動針柱至最高點；
 - ②鬆開螺絲；
 - ③插入機針，鎖緊螺絲；
 - ④機針的長槽面向前；
- A轉到橫向前面。

The standard needle is DPx5#14 #22, DPx17#16 #22.

- ①Move needle bar to highest point;
 - ②Loosen screw;
 - ③Insert needle up as far as possible and tighten screw;
 - ④Long groove faces ahead.
- A in needle faces exactly to the front.



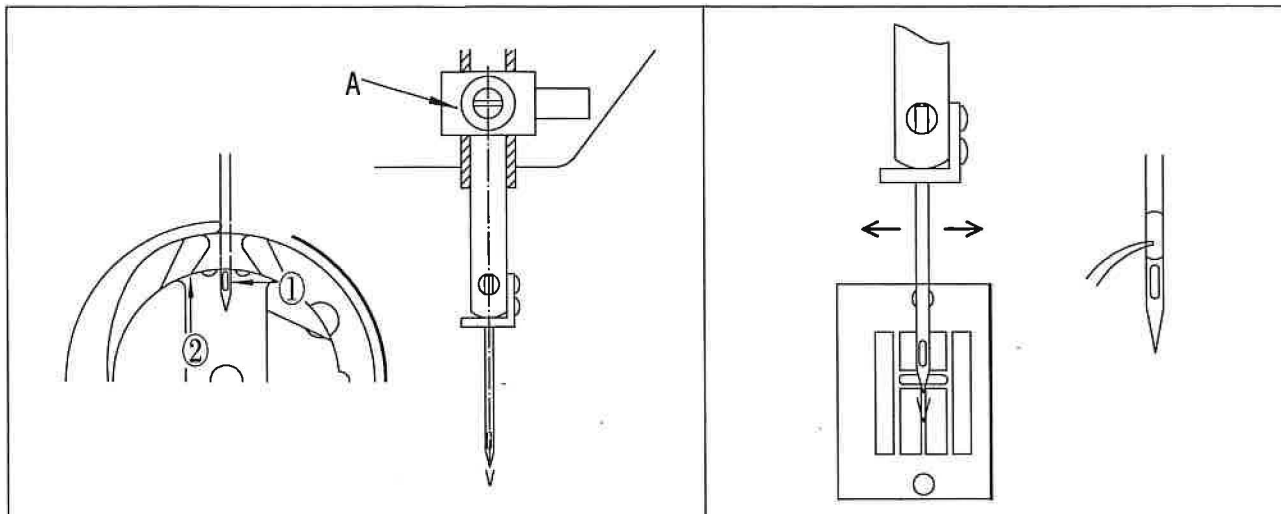
注意

爲了防止突然啓動造成人身事故，請關掉電源，確認馬達確實停止轉動後再進行。



WARNING:

To avoid possible personal injury due to abrupt start of the machine, turn off the power to machine and check to be sure that the motor has totally stopped rotating in prior.



5. 機針定位

- 1、將針擺調至零點，直到針形成直上直下即可。
- 2、此時旋梭固定螺絲勿上緊。
- 3、用手輕轉皮帶輪將針運行到底點。
- 4、此時①線孔位置應置于旋梭②內緣綫邊，若不在此正確位置，可由A點調整螺絲移動針杆高低，調整結束，在將螺絲上緊即可。

Positioned Needle

1. Adjust dial A to zero position until the needle go the straight stitches.
2. tighten fixed screw of hook
3. Turn machine pulley that made needle at the lowest position.
4. At the moment, the needle hole ① should be at the inner edges of hook ②. If not, please adjust screw to move the height of needle bar. Tighten screw once finishing the adjustment.



注意

為了防止突然啟動造成人身事故，請關掉電源，確認馬達確實停止轉動後再進行。



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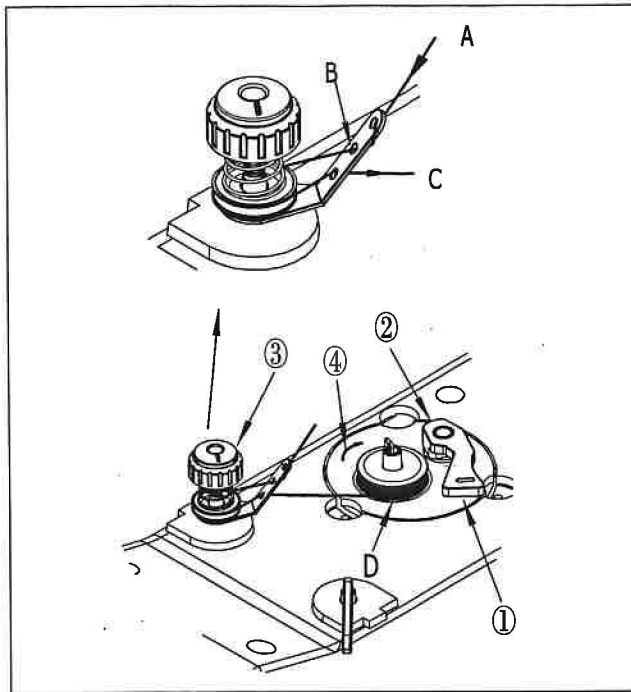
6. 機針和旋梭的關係

- 1、完成上述步驟，先將旋梭取下，並將針板固定好。
- 2、針柱擺動以左右二側針不撞上針板為原則。
- 3、將針板取下，用手輕轉皮帶輪，把針杆移動至左側上方位置。
- 4、將旋梭置于軸心上，此時暫不固定。
- 5、把針杆向下滑動到最低點，請注意當針開始往上移動，此時先停止，並將旋梭尾靠于針錢孔上方，并調整機針與旋梭尾的間隙，把機針和旋梭尖的間隙調整為0.02~0.07 mm，完成後用手輕轉皮帶輪，將針杆移至右邊，并注意機針與旋梭之間隙，確認無誤之後方可，將旋梭緊固。

NEEDLE-TO-HOOK RELATIONSHIP

1. After finishing above step, remove the hook and fix the needle plate.
2. The sway of needle can't hit needle plate.
3. Take off the needle plate, turn pulley to move needle bar on left top side.
4. Install the hook on the shaft, do not fix temporary.
5. Turn machine pulley until the needle bar at the lowest point. When needle start to move up, hold on and then adjust the clearance between the needle and the hook point. Hold on and then adjust the clearance to be 0.02 ~0.07mm between the needle and the hook point. Turn machine pulley that made the needle at the right side after regulating. Make sure the clearance properly, and then tighten the screw.

7. 梭綫的繞綫方法/WINDING A BOBBIN



- 1、按照A、B、C、D的順序穿綫，然後在梭芯上繞數圈綫。
- 2、繞綫器軸心旋轉之方向以④所示方向。
- 3、放倒梭芯箭頭方向輕推把手①，讓轉緊綫軸調整梭心內之綫量時，首先鬆開把手①上之止付螺絲然後移動把手，調整完成後再鎖緊止付螺絲②，使用螺帽③去調整梭心繞綫之張力。
- 1、 Route the thread in the order of A、B、C and D , and then wind it round the bobbin several times.
- 2、 Bobbin winder spindle rotates in the direction of arrow ④.
- 3、 Push lever ① in the direction of arrow to wind the bobbin. To adjust amount of thread on bobbin, loosen set screw ② in lever ① and move lever ① , as required. Securely tighten set screw ②. Adjust the thumb nut ③ to regulate the tension for bobbin winding.

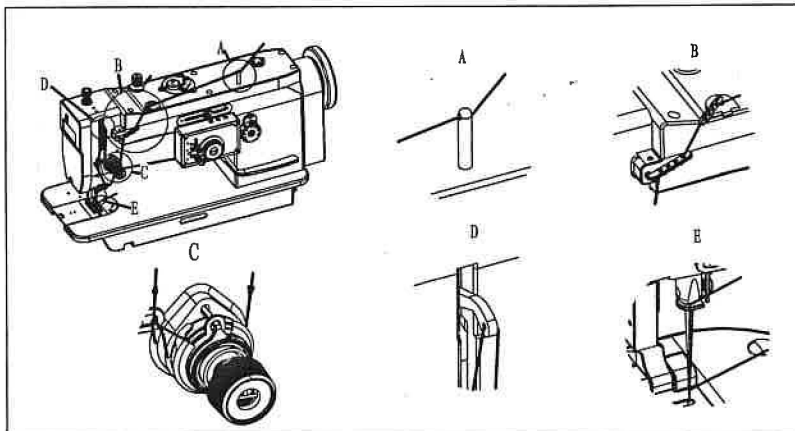


讓縫紉機空轉時，有可能機綫空繞而卷不到旋鎖上；因此請卸下梭殼和梭芯。



When making the sewing machine run idle, remove the bobbin case and the bobbin since there is the possibility that thread is entangled in the hook.

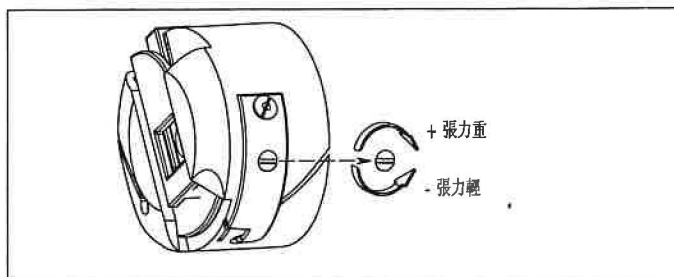
8. 上綫的穿綫方法/THREAD THE MACHINE HEAD



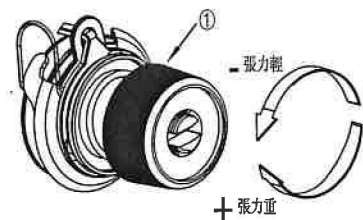
- 1、請如圖所示那樣穿上綫，將縫綫順序穿入A，B，C，D，E。

- 1、 Threading the thread according the sequence of A,B,C,D,E.

9. 綫張力/THREAD TENSION

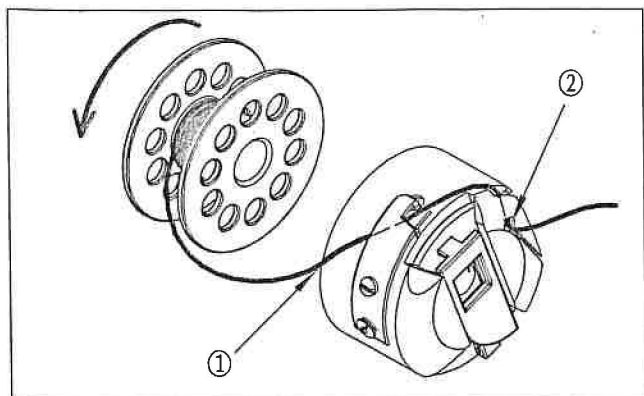


- 1、底綫的張力調整，圖表示螺絲左右轉動來決定張力輕重。
- 1、 Tension on threads should be as light as possible, while still sufficient to set stitch correctly in material.



- 1、使用螺母①來調整張力彈簧。
- 1、 Regulate needle thread tension with tension regulating thumb nut ① as shown in diagram.

10.底线的穿线方法/THREADING THE BOBBIN CASE



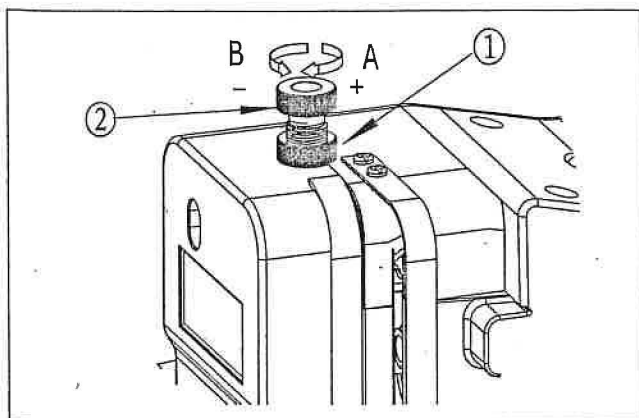
底线的穿过方法

把线穿过梭壳的穿线口①，然后从线张力弹簧②的下面穿过。

Threading the bobbin case

Pass the thread through threading slit ① in the bobbin case, and route it under tension spring ②.

11.压脚压力的调整/PRESSER FOOT PRESSURE



1、请先松开①固定螺帽。

2、只要向A或向B旋转螺栓②即可调整压脚之压力。

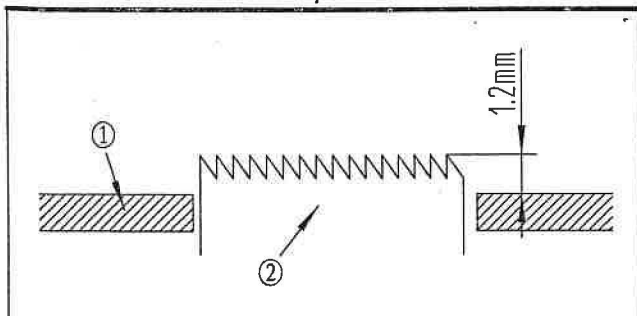
3、在缝纫物上之压力尽可能保持轻一点，以足够让传送正确即可。

1、 Loosen fixed screw nut ①.

2、 To regulate the presser foot pressure, turn knurled thumb screw ②, toward A or B are required.

3、 The pressure on the material should be as possible, while still sufficient to ensure correct feeding.

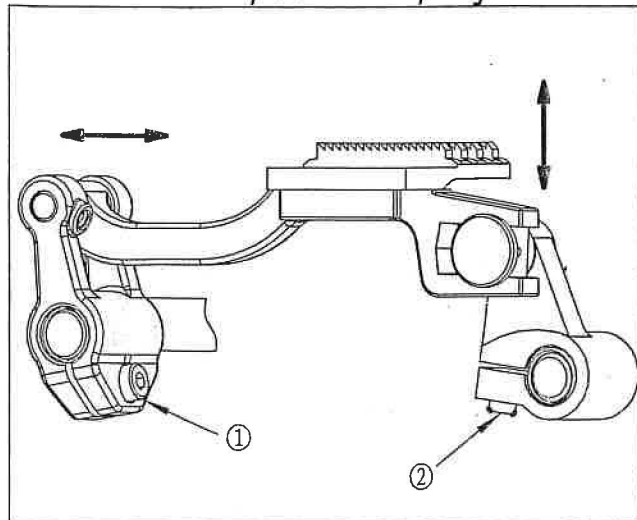
12.送布牙的高度/HEIGHT OF THE FEED DOG



1、请把距离送布牙②的针板①的突出量调整到1.2mm。

1、 Feed dog ② is factory-adjusted to jut out 1.2mm from the surface of throat plate ①.

13.送布牙高低/前后调整/Adjust the Height of Feed Dog / Position of Feed Dog



1、调整前，请先将机台电源关闭，用手轻转皮带轮即可进行调整。

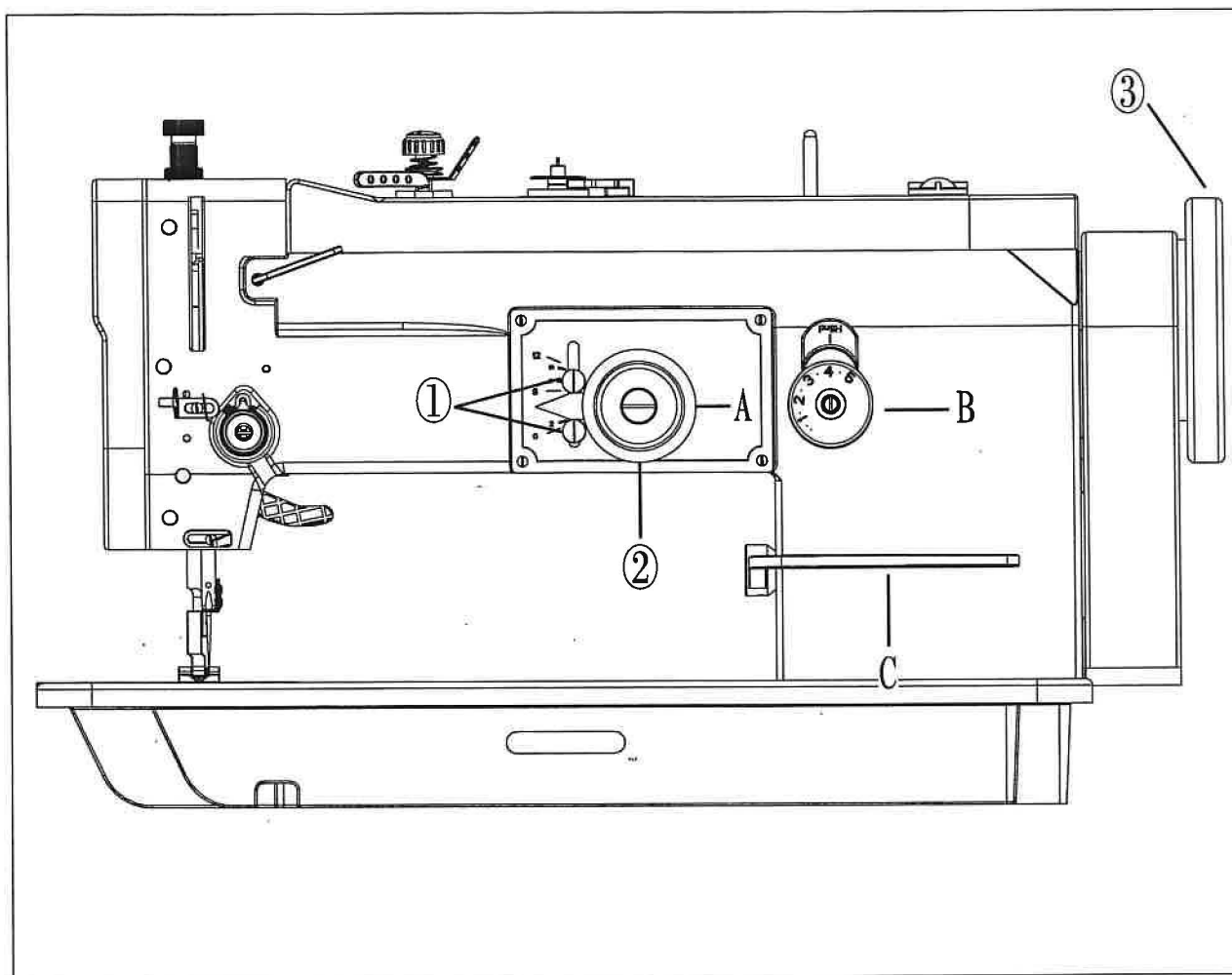
2、调整送布牙前后距离，请先松开①螺丝，即可调整，结束后在将螺丝上紧即可。

3、调整送布牙高低，请先松开②螺丝，即可调整，结束后在将螺丝上紧即可。

1. Please turn off the power before adjustment. Turn machine Pulley to do the adjustment.

2. Loosen the screw ① to adjust the front and rear distance of feed dog. Tighten the screw securely after the adjustment.

3. Loosen the screw ② to adjust the height of feed dog. Tighten the screw securely after the adjustment.



14. 針距調整/REGULATING THE STITCHLENGTH

- 1.圖示A來進行調整，請先用螺絲刀鬆開固定螺絲①；
- 2.由轉盤指針②，依所要的針距來進行刻度調整；
- 3.數字越大，針距越大；數字越小，針距越小；
- 4.調整完畢之後，在用螺絲刀擰緊固定螺絲①；
- 5.請先用手轉動皮帶輪③，確認針距不會因針距過大，而造成組件的損壞。

- 1.Loosen ① screws;
- 2.Adjust dial A for stitchlength regulating;
- 3.Big numbers for bigger stitchlength, smaller stitchlength;
- 4.Tighten ① screws after regulating.
- 5.Turn ③ wheel belt by hand to make sure a proper stitchlength.

15. 針幅調整/SELECTING THE NEEDLE POSITION

- 1.由圖示B進行調整；
- 2.數字盤數字越大，則針幅越大，即所謂的粗針；
- 3.數字盤數字學越小，則針幅越小，即所謂的細針；

- 1.Adjust dial B for needle range selecting.
- 2.Turn counterclockwise (left) for bigger needle range.
- 3.Turn clockwise (right) for smaller needle range.

16. 前進與倒退縫目/Reverse & Forth Feed

- 1.當需要改變後送時快速壓下倒退把手C點；
- 2.至最底點，并壓住此把手；
- 3.直到後送完畢，當放開把手後，縫機將回復前送的運作。

- 1.Depress the reverse Handle "C" to the bottom and hold on for reverse feeding .
- 2.Release the reverse handle then become forth feeding.

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