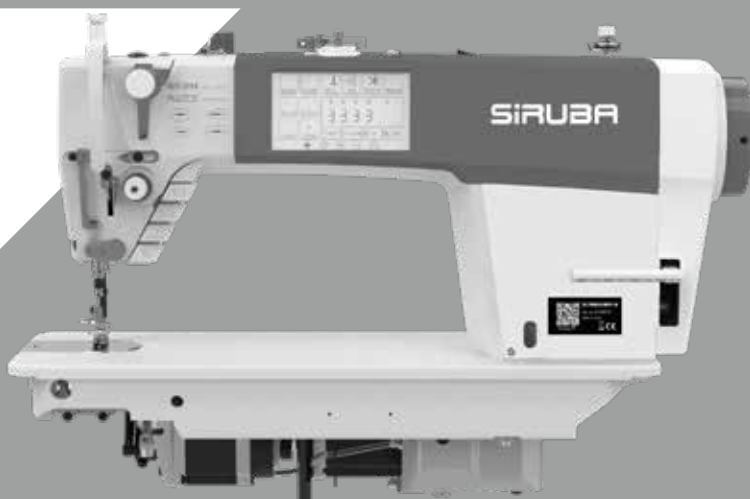


SIRUBA

使用說明書與零件圖

INSTRUCTIONS BOOK & PARTS LIST

■ DL7500SX



重要安全事項

為使您正確使用我們的產品，須對產品的各種功能充分了解，以便安全操作。使用前請仔細閱讀使用說明書。我們希望您能長期愉快地使用我們的產品，請保存好說明書，以備查閱。

1. 使用此縫紉機時，必須遵守包括如下項目的基本安全措施。
2. 使用此縫紉機之前，請閱讀本使用說明書在內的所有指示文件。
同時應將此使用說明書妥善保管，以便能夠隨時查閱。
3. 此縫紉機應與貴國的有關安全規定一起使用。
4. 使用此縫紉機和縫紉機動作中，所有的安全裝置應安裝到規定的位置。
沒有安裝規定的安全裝置的縫紉機禁止使用。
5. 此縫紉機應由接受過培訓的操作人員來操作。
6. 使用縫紉機時，建議戴安全防護眼鏡。
7. 發生下列情況時，應立即關掉電源開關，或拔下電源插頭。
 - 7-1 機針、彎針、分離器等穿線和更換鉸梭時。
 - 7-2 更換機針、壓腳、針板、彎針、分離器、送布牙、護針器、支架向導器等時。
 - 7-3 修理時。
 - 7-4 工作場所無人了或離開工作場所時。
8. 縫紉機以及附屬裝置使用的機油、潤滑脂等液體流入眼睛或沾到皮膚上時，或被誤飲時，應立即清洗有關部分並去醫院治療。

9. 禁止用手觸摸打開了縫紉機開關通電的零件或裝置。
10. 有關縫紉機的修理、改造、調整應由受過專門訓練的技術人員或專家進行。
11. 一般的維修保養應由受過訓練的人員來進行。
12. 有關縫紉機的電氣方面的修理、維修應由資格的電氣技術人員或專家的監督和指導下進行。
13. 修理、保養有關空氣、氣缸等壓縮空氣的零件時，應切斷空氣壓縮機供氣源后再進行。如有殘留壓縮空氣時，應放掉壓縮空氣。
14. 縫紉機在其使用其間應定期清掃。

15. 為了正常安全運轉，應安裝地線。同時應在不受高頻焊接機等強噪音源影響的環境下使用。
16. 電源插頭應用具有電氣專門知識來安裝。電源插頭必須連接到接地插座上。

17. 縫紉機指定用途以外不能使用。
18. 對縫紉機的改造、變更應符合安全規格，並採取有獎的安全措施。
另外，對於有關改造和變更，公司概不負責。

19. 本使用說明書上採用以下2個警告符號。



「損傷操作人員、維修人員的危險。



! 全上需要特別加以注意的事項。

IMPORTANT SAFETY INSTRUCTIONS

To get the most out of the many functions of this machine and operate it in safety, it is necessary to use this machine correctly. Please read this instruction Manual carefully before use. We hope you will enjoy the use of your machine for a long time. Please remember to keep this manual in a safe place.

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 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 device 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 work place or when the working place is unattended.
8. If you should allow oil, grease, etc. Use 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 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.
13. Before making repair and maintenance works on the machine equipped with pneumatic parts such as an air cylinder, the air compressor has to be detached from the machine and the compressed air supply has to be cut off. Existing residual pressure after disconnecting the air compressor from the compressed air supply has to be expelled. Exceptions to this are only adjustments and performance checks done by appropriately trained technicians or specially skilled personnel.
14. Periodically clean the machine throughout the period of use.

15. Grounding the machine is always necessary for the normal operation of the machine. The machine has to be operated in an environment that is free from strong noise sources such as high-frequency welder.
16. An appropriate power plug has to be attached to the machine by electric technicians. Power plug has to be connected to a grounded receptacle.

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19. Warning hints are marked with the two shown symbols.



Danger of injury to operator or service staff



Items requiring special attention

安全操作事項 FOR SAFE OPERATION



危險
DANGER

1. 為了防止发生觸電事故，請不要再打開電源的狀態下，打開電氣箱蓋以及觸摸電氣箱內的零件。
- 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.



注意
CAUTION

1. 為了防止人身事故的发生，請不要再卸下電機罩、手指防護器等安全裝置的狀態下運轉縫紉機。
2. 為了防止被卷入機器的人身事故，縫紉機運轉中請不要將手指、頭髮、衣服靠近手輪、也不要將東西放到機器上面
3. 為了防止人身事故的发生，打開電源時以及縫紉機運轉中，請不要把手指放到機針附近。
4. 為了防止人身事故的发生，縫紉機運轉中請不要反手指放到挑線杆外罩內。
5. 縫紉機操作中，旋梭高速地旋轉。為了防止手受到傷害，運轉中請絕對不要把手靠近旋梭。
6. 為了防止人身事故的发生，放到縫紉機或返回原來位置時，要注意不要夾住手。
7. 為了防止突然的起動造成人身事故，放到縫紉機時，請一定關掉電源。
8. 使用伺服電機時，縫紉機停止電機無聲音。為了防止意外的起動造成人身事故，請注意不要忘記關電源。
9. 為了防止觸電事故，卸下電源地線的狀態，請不要運轉縫紉機。
10. 為了防止觸電和損壞電氣零件，拔電源的插頭時，請先關掉機器電源開關。
- 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 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.
- 8.If your machine is equipped with a servo-motor does not produce noise while the machine when tilting the machine head.
- 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 components(s), turn OFF the power switch in prior to the connection/disconnection of the power plug.

運轉縫紉機前的注意事項 BEFORE OPERATION



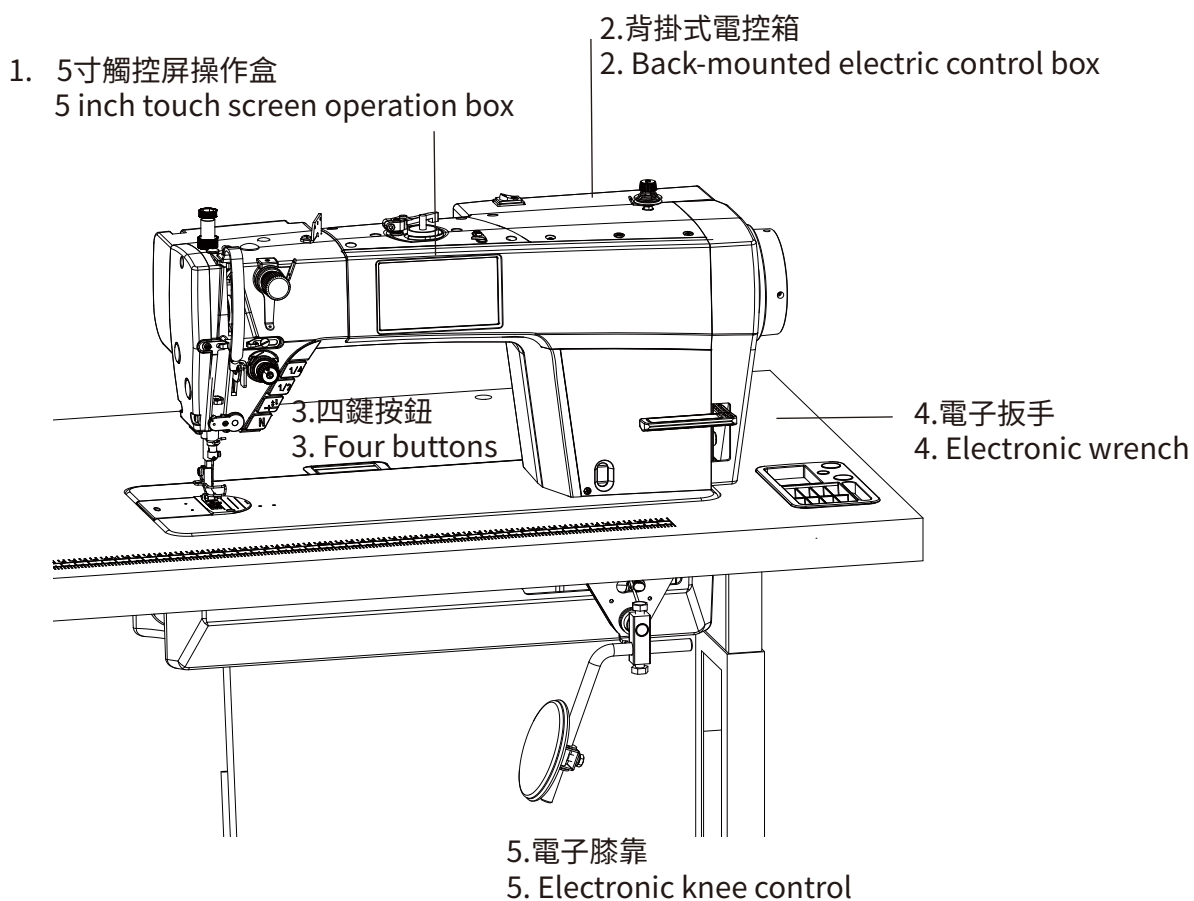
注意
CAUTION

為了防止機械錯誤動作或損傷，請確認如下項目。
To avoid malfunction and damage of the machine, confirm the following.

- 最初使用縫紉機之前，請把機器打掃干淨。
- 清除運送中積存的灰塵，并加油。
- 請確認電壓是否正確。
- 請確認電源插頭是否正確接連。
- 電壓規格不同時，請絕對不要使用。
- 縫紉機的轉動方向是，站在飛輪側看為逆時針方向。請注意不要讓縫紉機反向轉動。
- Before you put the machine into operation for the first time after the set up, clean it thoroughly.
- Remember all dust gathering during transportation and oil it well.
- Confirm that the power plug has been properly connected to the power supply.
- Never use the machine in the state where the connected to the power supply.
- The direction of rotation of the sewing machine is counterclockwise as observed from the handwheel side. Be careful not to rotate it in reverse direction.

1.全新功能、全新設計、全新體驗。

1. New functions, new design, and new experience.



6.無油高轉速:

同步帶聯動上下機構,車縫速度可達致5000sti/min.

6. Oil-free high Rotating speed:

The synchronous belt links the upper and lower mechanisms, and the sewing speed can reach 5000sti/min.

7.短線頭:

採用電機驅動的雙動刀剪線機構,可在機針正下方完成剪線,縫紉後的線頭最短可達3mm,可有效減少人工剪線的工作量。

Short thread head:

The shortest thread head is down to 3mm, which can effectively reduce workload of manual trimming.

8.步進挑線桿機構:

此功能由步進馬達分別驅動,曲柄、連桿、副挑線桿所組成。挑線收線調整自如,實現起縫小鳥巢功能,適應不同針距和布料厚度的縫製需求,線跡美觀度大大提升!

Stepping motor drive tack-up thread lever:

Driven by stepping motors, it consists of a crank, connecting shaft, and vice take-up thread lever.

The picking thread can be adjusted freely, achieving the function of sewing small bird nests, adapting to the sewing needs of different needle distances and fabric thicknesses, greatly improving the aesthetic appearance of the stitches!

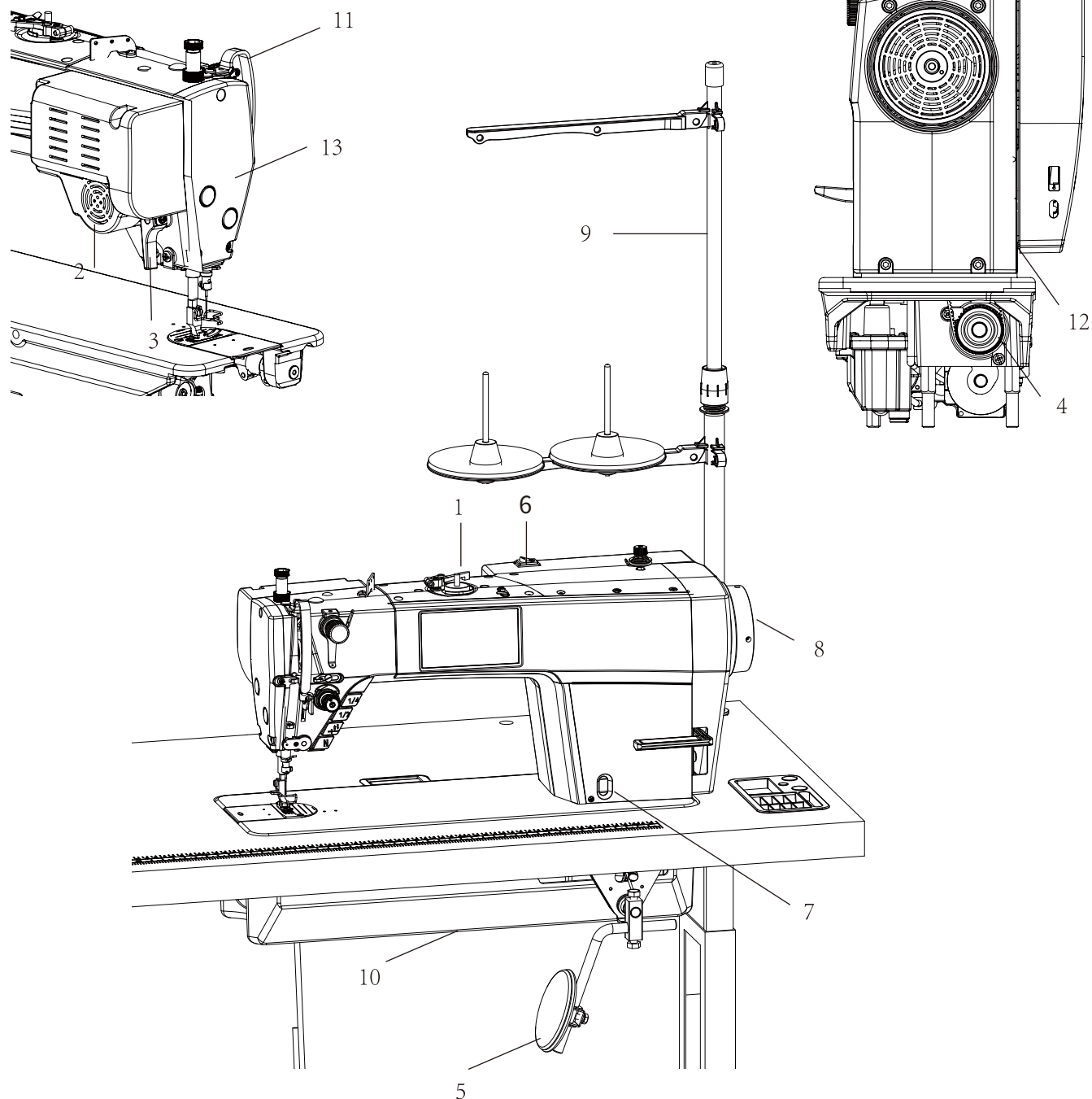
9.花樣縫:

可以透過設定產生9種不同線跡。

Pattern stitch:

Stepping motor offers 9 different patterns.

2.各部件名稱 Name of each component

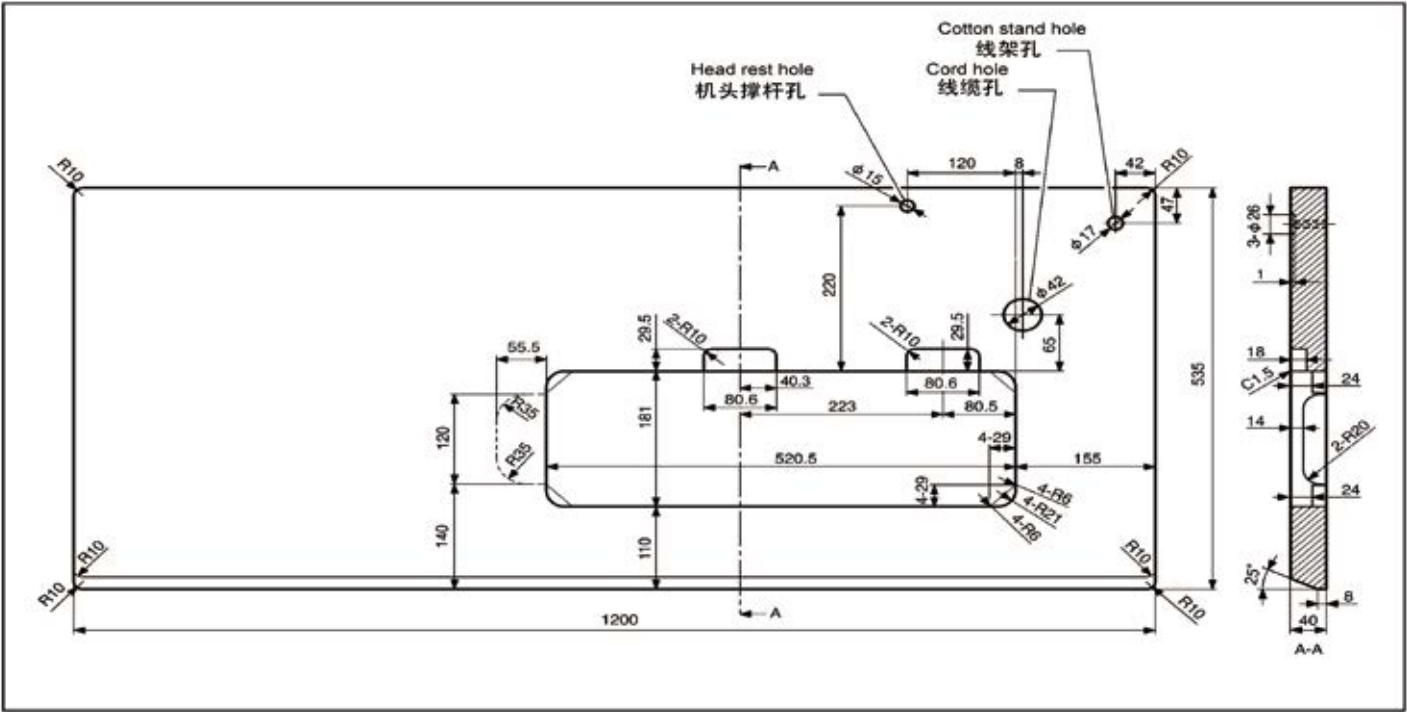


- 1.繞線器裝置(梭心)
- 2.鬆線電磁鐵
- 3.壓腳扳手
- 4.同步帶
- 5.膝靠
- 6.電源開關
- 7.油量視窗
- 8.手輪
- 9.線架組件
- 10.油盤
- 11.挑線桿防護罩
- 12.馬達罩殼
- 13.面板

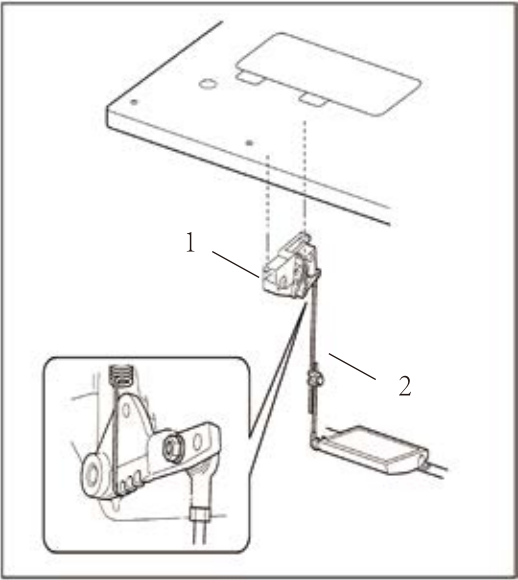
1. Bobbin winder device (bobbin)
2. Loose wire electromagnet
3. Presser foot wrench
4. Timing belt
5. Knee control
6. Power switch
7. Oil level window
8. Hand wheel
9. Wire frame components
10. Oil pan
11. Thread take-up rod protective cover
12. Motor cover
13. Panel

3-1.台板加工圖 Table processing diagram

- 台板的厚度應達40mm，能夠承受縫紉機的重量，並經的起縫紉機的震動。
- 請在如圖所示位置上鑽孔。

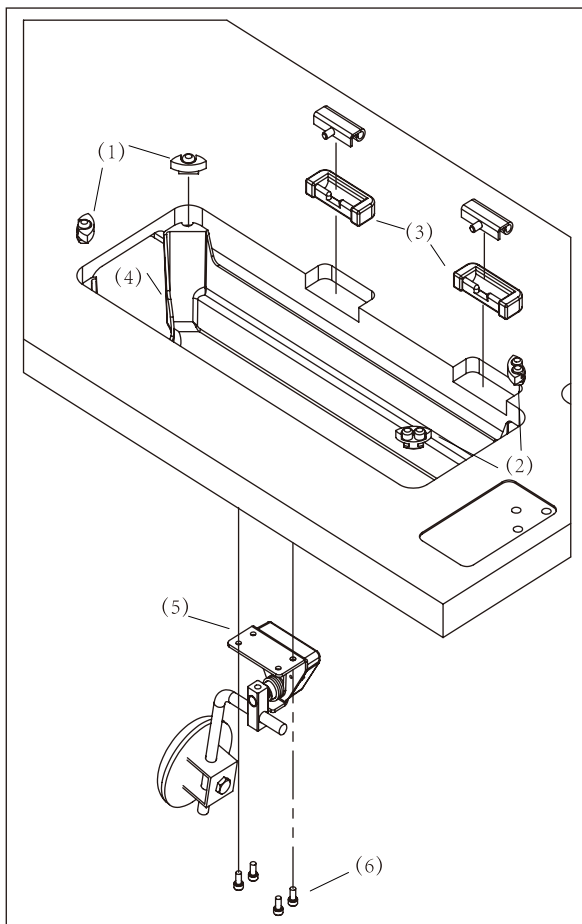


3-2.安裝方法 Installation



- 1.調速器
1.Governor
- 2.連杆
2.Connecting rod

3-2.安裝方法 Installation

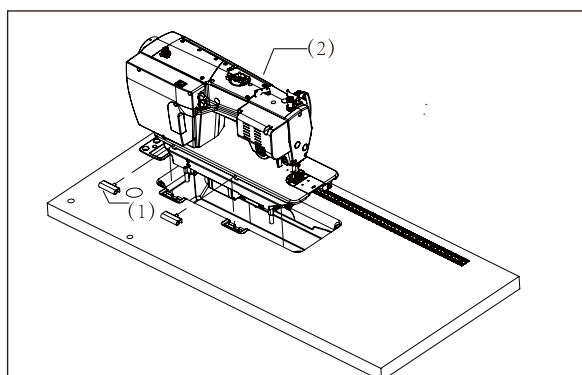


3.油盤

- (1) 頭部防震墊(左) (2個)
- (2) 頭部防震墊(右) (2個)
- (3) 鉸鏈套 (2個)
- (4) 油盤
- (5) 電子腳靠組件
- (6) 螺絲 (4個)

3. Install

- (1) Head cushions(big)[2 pcs]
- (2) Head cushions(small)[2 pcs]
- (3) Rubber cushions[2 pcs]
- (4) Oil pan
- (5) Electronic foot rest assembly
- (6) Screws (4 pieces)

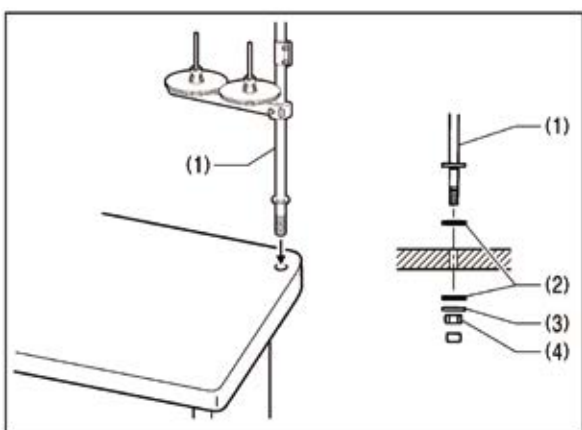


4.縫紉機頭

- (1) 機頭鉸鏈(2個)
- (2) 縫紉機頭部

4. Machine head

- (1) Hinges [2 pcs]
- (2) Machine head



5.線架

(1)線架

注意：將螺母(4)旋緊以便將兩個橡皮墊片(2)和墊圈(3),使線架(1)不會移動。

5. Cotton stand

NOTE:

Securely tighten the nut(4) so that the two rubber cushions(2) and the washer(3) are securely clamped and so that the cotton stand(1) does not move.

4.加油方法 Lubrication



注意 CAUTION



在加油未完成前，請勿插上電源。
當誤踩下踏板時，縫紉機動作會導致人員受傷。



使用潤滑油時，請務必戴上防護眼鏡和防護手套等，潤滑油落入眼中或沾在皮膚上，這是引起發炎的原因。



另外，不能支撐，否則會引起腹瀉和腹瀉。
將油放在兒童拿不到的地方。



剪去油罐的油嘴口時，請一定要拿住油嘴的根部。
如果拿住油嘴口，剪刀容易傷到手，成為受傷的原因。

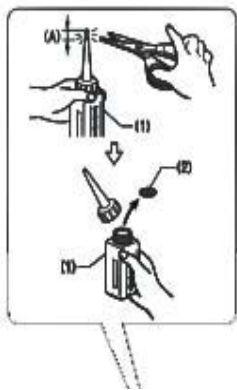


Do not connect the power cord until lubrication has been completed, otherwise the machine may operate if the treadle is depressed by mistake, which could result in injury.
Be sure to wear protective goggles and gloves when handling the lubricating oil and grease, so that they do not get into your eyes or onto your skin, otherwise inflammation can result.



Furthermore, do not drink the oil or eat the grease under any circumstances, as they can cause vomiting and diarrhea.
Keep the oil out of the reach of children.
When cutting the nozzle of the oil tank, hold the base of the nozzle securely.
If you hold the end of the nozzle, injury from the scissors may result.

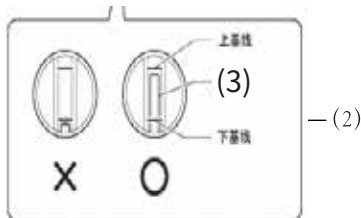
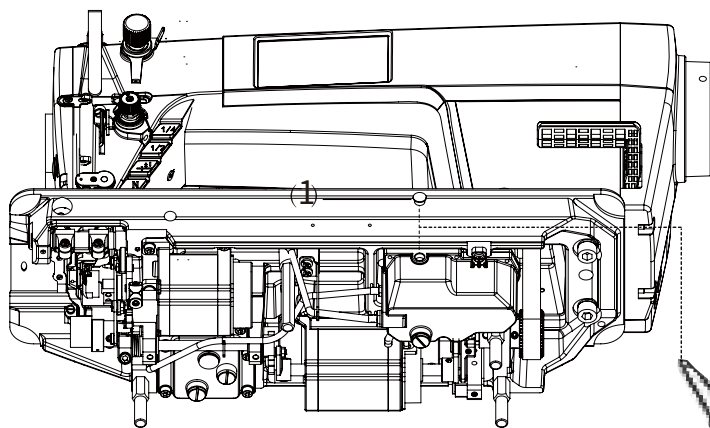
初次使用縫紉機前需添加機油以確保機器各部份機械部件的潤滑，以延長機器使用壽命



1. 將加注機油孔塞(1)打開
2. 將白油注入機頭加油口中
3. 加油過程中觀察油量視窗(2)、使油量計(3)穩定在上、下基線之間

註：油量計不可超過視窗上基線

如油量計(3)低於下基線，則必須添加機油



Before the first time use this sewing machine, you need to add oil to ensure the lubrication of the mechanical parts of the machine, to prolong the service life of the machine 1. open the oil rubber (1) 2. add oil into the machine 3. look at the oil window (2) during adding oil, to make the oil gauge (3) is steable between the top and bottom baselines

Note: the oil guage can't be over the top baseline in the window If the oil gauge (3) is lower than the buttom baseline, machine must be added oil



5-1. 縫紉前的準備 Preparation before sewing



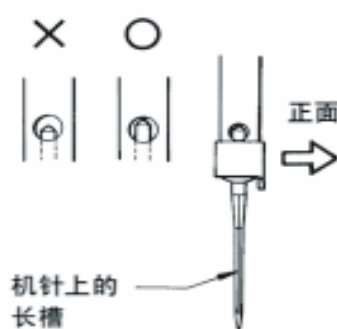
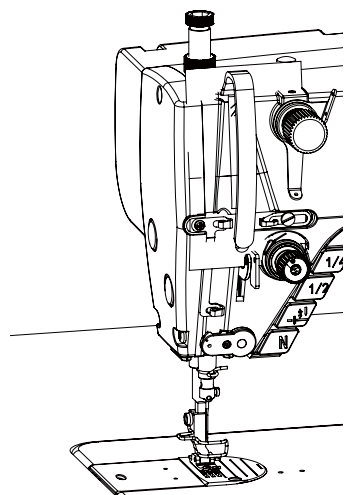
注意



安裝機針時，請關閉電源。

當誤踩下踏板時，縫紉機動作會導致人員受傷。

Do not connect the power cord until lubrication has been completed, otherwise the machine may operate if the treadle is depressed by mistake, which could result in injury.



1. 轉動縫紉機於輪，將針桿移至最高位置。
2. 鬆開螺絲。
3. 將機針(2)筆直插入固定，確認機針上的長槽處於左側，然後鎖緊螺絲(1)。

1. Turn the sewing machine wheel and move the needle bar to the highest position.
2. Loosen the screws.
3. Insert the needle (2) straight and secure it, make sure that the long slot on the needle is on the left side, and then tighten the screw (1).

5-2. 梭芯套的拆卸方法 How to remove the bobbin cover

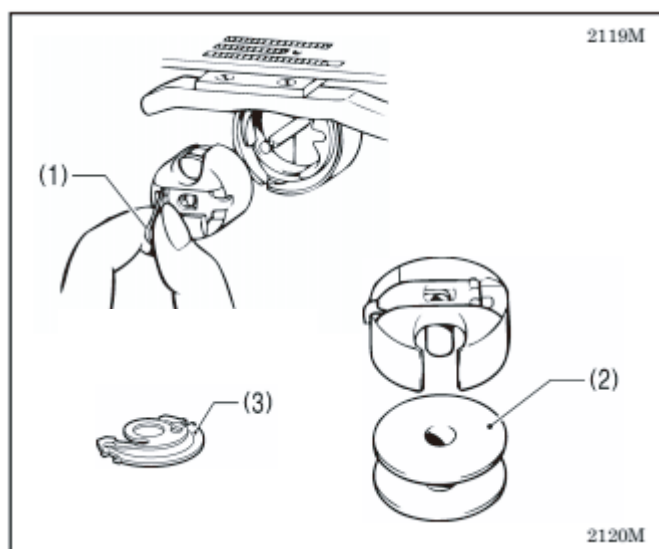


注意



取出梭芯套時，當誤踏下腳踏板時請切斷電源，縫紉機動作會導致人員受傷。

When taking out the bobbin case, please cut off the power if you accidentally press the foot pedal. The operation of the sewing machine may cause personal injury.



1. 轉動縫紉機手輪，將針桿移至針板上方即可。
 2. 向上將梭芯套的插銷(1)拉出然後取下梭芯套。
 3. 插銷(1)釋放後，取出梭芯(2)。
 4. 梭芯套中有鍍鎖空轉防止彈簧(3)。
- 鍍鎖空轉防止彈簧(3)可防止梭芯在剪線等情況下空轉。
1. Turn the handwheel of the sewing machine and move the needle bar above the needle plate.
 2. Pull up the latch (1) of the bobbin case and remove the bobbin case.
 3. After the latch (1) is released, take out the bobbin (2).
 4. There is a twist lock idling prevention spring (3) in the bobbin case.
- The twist lock idling prevention spring (3) prevents the bobbin from idling during thread trimming, etc.

5-3.面線的穿法 THREADING THE UPPER THREAD

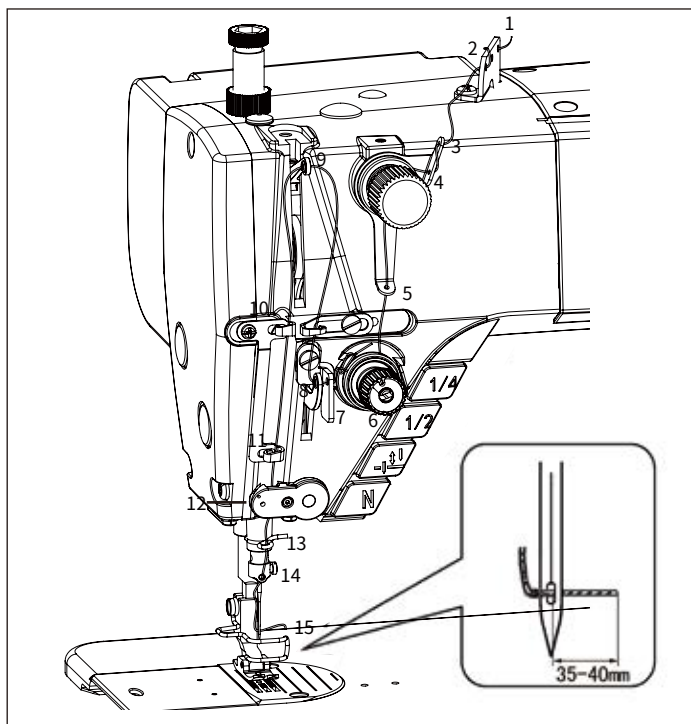


注意

在穿線過程中，請切斷電源。當誤按動起動開關時，縫紉機動作會導致人員受傷。

Turn off the power switch before threading the upper threadl.

The machine may operate if the treadle is depressed by mistake, which could result in injury.

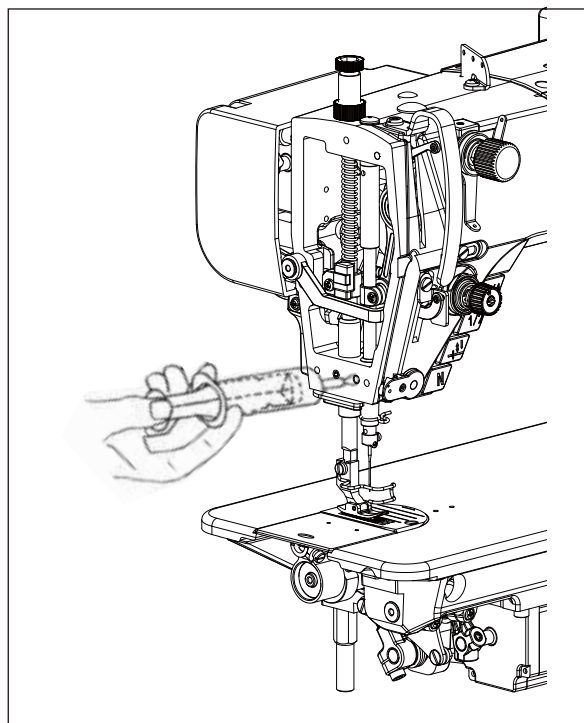


- 在穿引面線之前轉動手輪，抬高挑線杆 (1)。這樣會使穿引更加容易，並防止面線在縫紉開始時脫落
- Turn the machine pulley and raise the thread take-up (1) before threading the upper thread. This will make threading easier and it will prevent the thread from coming out at the sewing start.

6.添加潤滑脂 Add grease

1. 電源開關撥到OFF (關)。
2. 取下螺絲。
3. 在每個孔中添加潤滑脂至潤滑脂略有改善。
4. 擰緊螺絲，以推入潤滑脂。
5. 用手轉動手輪，上下移動針桿數次以便潤滑脂散佈開。
6. 用布從螺絲以及針桿軸套下面擦去多餘的潤滑脂。
7. 正常使用頻率下，每500小時加一次潤滑脂。

1. Turn the power switch to OFF.
2. Remove the screws.
3. Add grease to each hole until the grease improves slightly.
4. Tighten the screw to push in the grease.
5. Turn the handwheel by hand and move the needle bar up and down several times to spread the grease.
6. Use a cloth to wipe off excess grease from under the screws and needle bar bushing.
7. Under normal use frequency, add grease every 500 hours.



7.踏板的調整 ADJUSTMENT OF THE PEDAL

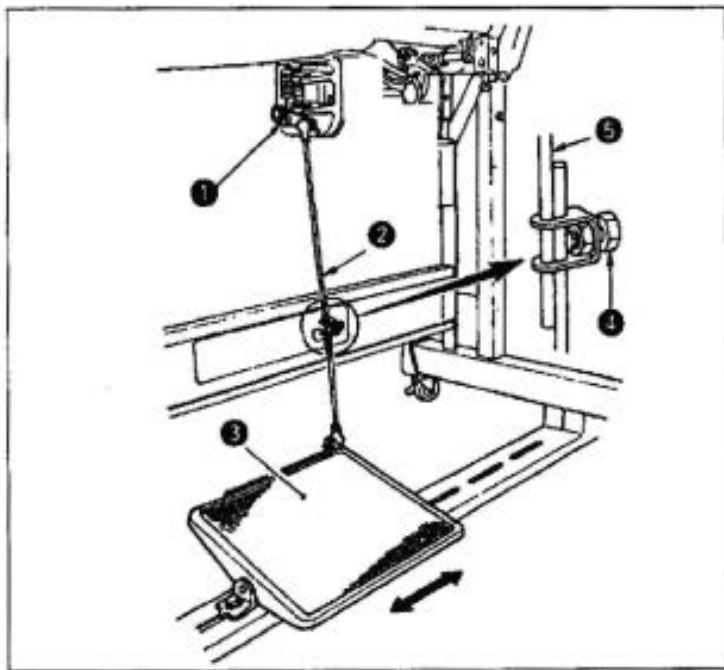


注意

為了防止意外的起動造成的事故，請關掉電源后進行。

WARNING:

Turn off the power before starting the work so as to prevent accidents caused by abrupt start of the sewing machine.



(1) 連接杆的安裝

1) 向箭頭方向移動踏板調節板③，讓踏板撥杆①和連接杆②呈一直線。

(2) 踏板的角度

1) 調節連接杆的長度就可以自由地改變踏板的傾斜角度。

2) 擰松調節螺絲④，拉出插入連接杆⑤進行調整。

(1) Installing the connecting rod

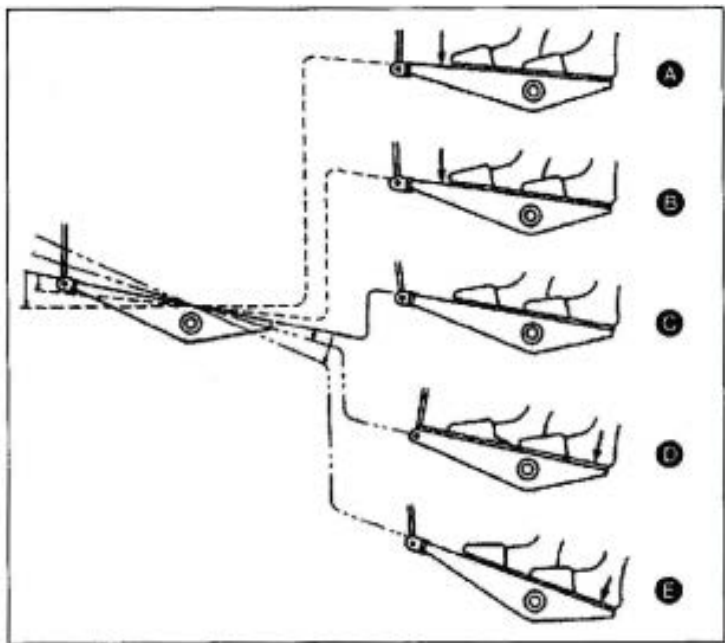
1) Move pedal ③ to the right or left as illustrated by the arrow so that motor control lever ① and connecting rod ② are straightened.

(2) Adjusting the pedal angle

1) The pedal tilt can be freely adjusted by changing the length of the connecting rod.

2) Loosen adjust screw ④, and adjust the length of connecting rod ⑤.

踏板操作 / PEDAL OPERATION



(1) 踏板按4個階段進行操作。

1) 向前輕輕踩踏板為低速縫制 ②

2) 再用力向前踩踏板則變為告訴縫制 ①
(但是，開關設定為自動倒縫時，倒縫結束后進行高速縫制)

3) 把踏板返回到腳輕輕地放到踏板上的位置縫紉機停止 ③ (機針上停止或下停止位置)

4) 用力向后踩踏板則為切線動作 ④

* 使用自動壓腳提升裝置時，再停止和切線之間增加1級開關。向后輕輕的踩踏板為壓腳提升動作 ④ 再往后用力踩踏板為切線動作。

(1) The pedal is operated in the following four steps:

1) The machine runs at low sewing speed when you lightly depress the front part of the pedal ②.

2) The machine runs at high sewing speed when you lightly depress the front part of the pedal ①.

(If the automatic reverse feed stitching has been preset, the machine runs at high speed after it completes reverse feed stitching)

3) The machine stops (with its needle up or down) when you reset the pedal to its original position ③.

4) The machine trims threads when you fully depress the back part of the pedal ④.

* If your machine is provided with the Auto-lifter an addition step is given between the machine stop and thread Trimming step. The presser foot goes up when you lightly depress the back part of the pedal ④, and if you further depress the back part, the thread trimmer is actuated.

8.标准調整 STANDARD ADJUSTMENT



注意



只有經過訓練的技術人員才能進行縫紉機的維修、保養和檢查。



與電氣有關的維修、保養和檢查請委托購買商店或電氣專業人員進行。



取下的安全保護裝置，再次安裝時，請務必安裝在原位上，并檢查能否正常的發揮作用。



縫紉機頭倒下或豎起時，請用雙手進行操作。單手造作時因縫紉機的重量萬一滑落易導致受傷。




发生下列情況時，請關閉電源。并拔下電源插座。否則誤踩下踏腳板時，縫紉機動作會導致受傷。


- 檢查、調整和維修
- 更換鉸梭，切刀等易損零部件




在必須接上電源開關進行調整時，務必十分小心遵守所有的安全注意事項。




CAUTION




Maintenance and inspection of the sewing machine should only be carried out by a qualified technician.




Ask your DUMA dealer or a qualified eledtrician to carry out any maintenance and inspection of the electrical system.




If any safety devices have ben removed, be absolutely sure to re-install them to their origin positions and check that they operate correctly before using the machine.



Secure the table so that it will not move when tilting back the machine head. If the table moves, it may crush your feet or cause other injuries.



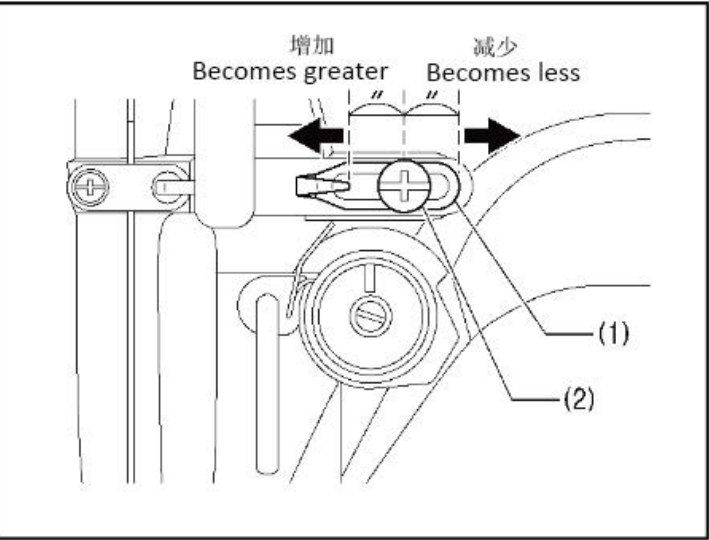
Use both hands hold the machine head when tilting it back or returning it to its original position. If only one hand is used, the weight of the machine head may cause your hand to slip, and your hand may get caught.



Turn off the power switch and disconnect the power cord form the wall outlet at the following times, otherwise the machine may operate if the treadle is depressed by mistake, which could result in injury.

- When carrying out inspection, adjustment and maintenance
- When replacing consumable parts such as the rotary hook and knife

8-1.機殼線導向R Adjusting arm thread guide R



機殼線導向R(1)的标准安裝位置是在螺釘(2)位于機殼線導向R(1)的可調範圍中心處。

[注意]

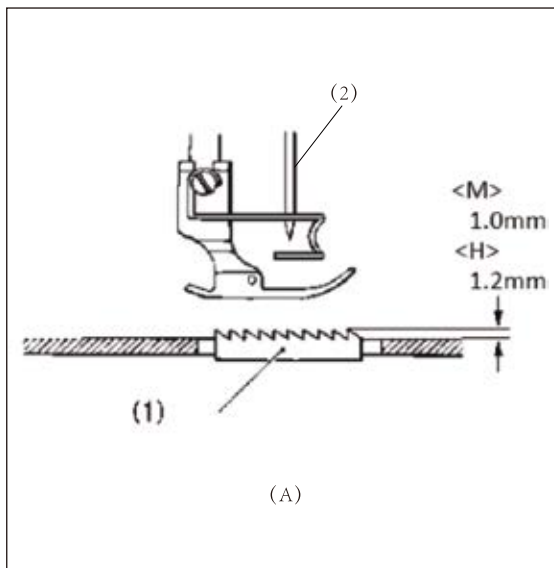
鉸松螺釘(2)，移動機殼線導向R(1)進行位置的調節。

- 當縫紉厚料時，向左移動機殼線導向R(1)。(挑線量增加。)
- 當縫紉厚料時，向左移動機殼線導向R(1)。(挑線量減少。)

The standard position of arm thread guide R (1) is the position where the screw (2) is in the center of the adjustable range for arm thread guideR (1).
To adjust the position, loosen the screw (2) and then move arm thread guide R (1).
• When sewing thick material, move arm thread guide R (1) to the left. (The thread take-up amount will become greater.)
• When sewing thin material, move arm thread guide R (1) to the right. (The thread take-up amount will become less.)

8-2.送布牙的高度 Adjusting the feed dog height

當送布牙(1)被盡量提高到針板表面之上時,其標準高度為1.0mm(用于M規格)和1.2mm(用于H規格)。

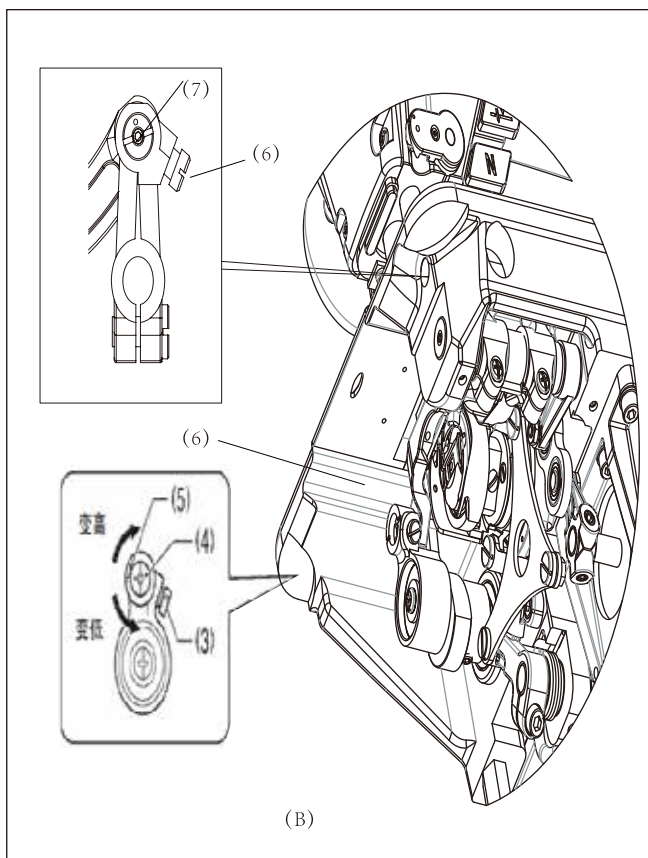


1. 回轉縫紉機手輪,將送布牙(1)移到針板上方最高處。
2. 放倒縫紉機機頭。
3. 旋松螺絲(3)。
4. 將上下送布台(4)依基線(5)在90°的範圍內旋轉,來上下調整送布台(6)圖B。
5. 擰緊螺絲(3)。
6. 如發現送布牙(1)有傾向現象時,依上述操作旋轉送布台短軸(7)。

The standard height of the feed dog (1) when it is at its maximum height above the top of the needle plate is 1.0 mm for M specifications, and 1.2mm for H specifications.

1. Turn the pulley until the feed dog (1) rises to the highest Position.
2. Tilt back the machine head.
3. Loosen the screw (3).
4. Rotate the upper and lower feed tables (4) within 90° according to the baseline (5) to adjust the feed table (6) up and down (Figure B).
5. Tighten the screw (3).
6. If the feed dog (1) is found to have a tendency, follow the above operation to rotate the short axis of the feed table (7).

8-3.送布牙的高低調整Adjustment the feed dog height and low



送布牙(1)位於針板最高處時的標準傾斜是牙架曲柄偏心軸(2)上的鋼印(O)與牙架曲柄(3)上的標記一致,送布牙(1)與針板平行。

1. 轉動縫紉機手輪,將送布牙(1)移至針板上方最高處的位置。
2. 放倒縫紉機機頭。
3. 將螺絲(3)鬆開。
4. 依標準位置,在90°的範圍內以箭頭方向調整牙架曲柄偏心軸(2)。
 - 防止起皺,可降低送布牙(1)的前端。(圖A)
 - 防止為了在重疊縫紉時布料不一致[縫線不合],可抬高送布牙(1)的前端。(圖B)
5. 將螺絲(3)完全鎖緊。

[注意]

調整送布牙(1)的傾斜度後,送布牙(1)的高度隨之改變,因此請再調整一次送布牙(1)的高度。

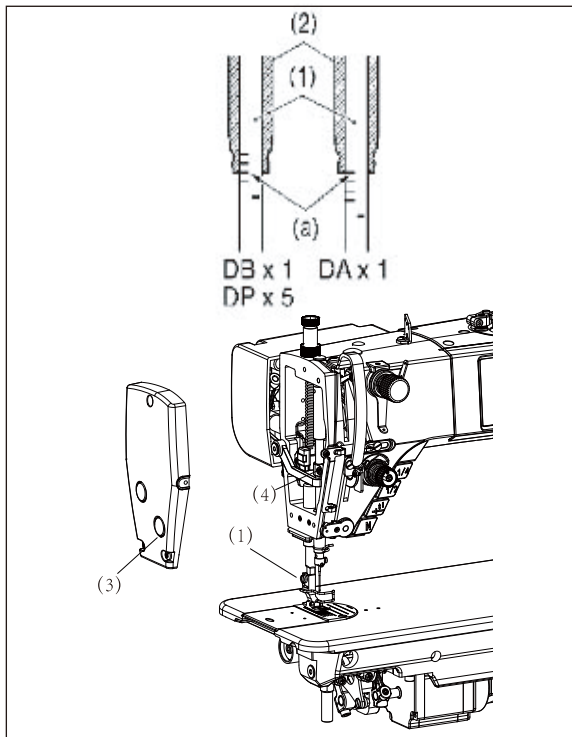
The standard inclination of the feed dog (1) when it is located at the highest point of the needle plate is that the stamp (O) on the eccentric shaft (2) of the frame crank is consistent with the mark on the frame crank (3), and the feed dog (1) is in line with the needle The plates are parallel.

1. Turn the handwheel of the sewing machine and move the feed dog (1) to the highest position above the needle plate.
2. Tilt the sewing machine head.
3. Loosen the screw (3).
4. According to the standard position, adjust the bracket crank eccentric shaft (2) in the direction of the arrow within the range of 90°.
 - To prevent wrinkling, the front end of the feed dog (1) can be lowered. (Figure A)
 - To prevent fabric inconsistency [stitch misalignment] during overlapping sewing, raise the front end of the high feed dog (1). (Picture B)
5. Tighten the screw (3) completely.

[Notice]

After adjusting the inclination of the feed dog (1), the height of the feed dog (1) will change accordingly, so please adjust the height of the feed dog (1) again.

8-4. 針桿的高度 Adjusting the Needle bar height



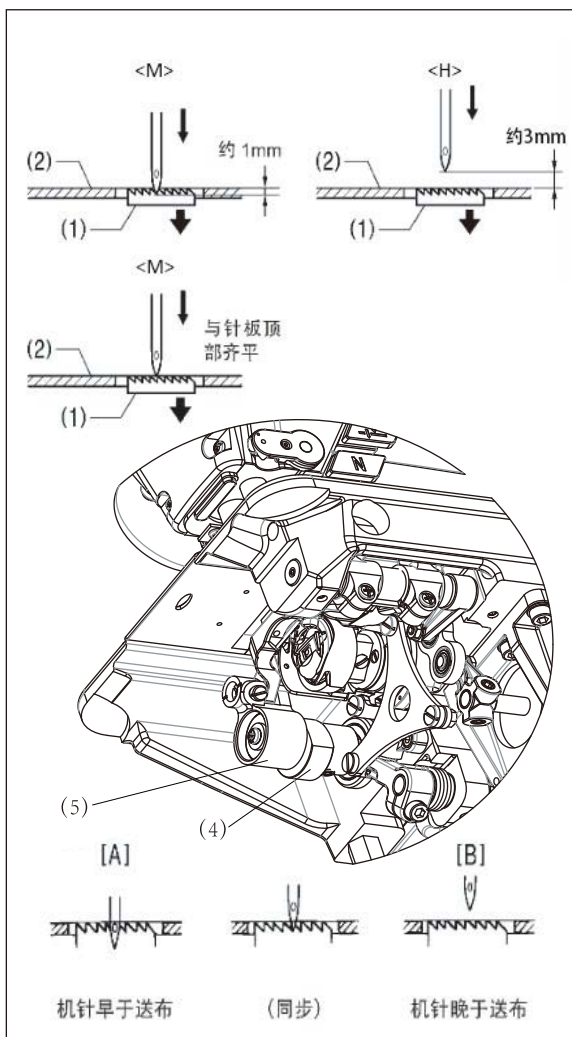
針桿(1)到達最下位置時，針桿(1)的基線(a)如圖所示要與針桿軸套(2)的下端保持對齊。

1. 轉動縫紉機手輪，使針桿到達最低位置。
2. 取下面板上的橡皮塞(3)。
3. 旋鬆螺絲(4)將針桿(1)上下移動來進行調整。
4. 擰緊螺絲(4)。
5. 安裝上橡皮塞(3)。

When the needle bar (1) reaches its lowest position, the baseline (a) of the needle bar (1) should align with the lower end of the needle bar sleeve (2) as shown in the diagram.

1. Rotate the sewing machine handwheel to lower the needle bar to its lowest position.
2. Remove the rubber plug (3) from the lower panel.
3. Loosen the screw (4) and adjust the needle bar (1) up or down as needed.
4. Tighten the screw (4).
5. Reinstall the rubber plug (3).

8-5. 機針和送布的同步 Synchronization of Needle and Feed Dog



送布牙(1)從最高位置開始下降到針板(2)的表面一致時，機針的尖端應在如左圖所示的位置上時為標準位置。

1. 放倒機頭。
2. 旋緊垂直螺帽(4)的兩個固定螺絲(5)，然後輕輕旋轉垂直螺帽(4)來調整速度。
 - 如要使機針早於送佈時，可向<順時針>的方向迴轉，要使機針晚於送佈時，可向<逆時針>的方向迴轉。
 - 為了防止在重疊縫紉時布料不一致[縫線不合]，可將機針的時序調整晚一些。
 - 為了使收線良好，可將機針的序調早一些。(圖A)

<注意>

如果將垂直螺帽(4)沿著<順時針>的方向旋轉得過多，則其可能導致機針斷裂。

3. 調整後牢固地擰緊固定螺絲(5)。

When the feed dog (1) descends from its highest position to align with the surface of the needle plate (2), the needle's tip should be positioned as shown in the left diagram.

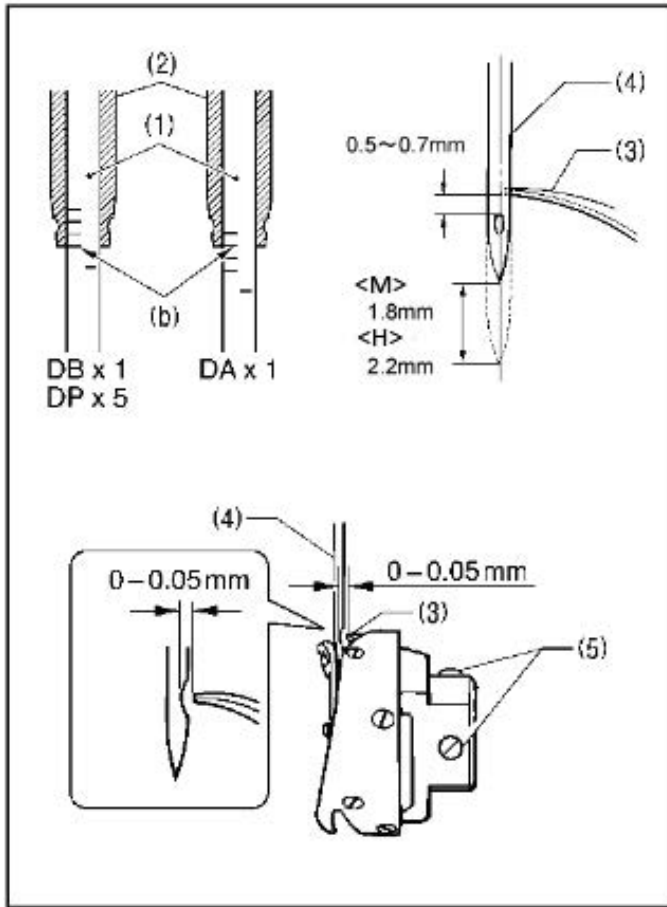
1. Lower the machine head.
2. Tighten the two fixing screws (5) of the vertical nut (4), then gently rotate the vertical nut (4) to adjust the timing.
 - To make the needle rise before the feed dog, turn the vertical nut (4) clockwise.
 - To make the needle rise after the feed dog, turn the vertical nut (4) counterclockwise.
 - To avoid inconsistent fabric alignment during overlapping sewing [misaligned stitches], adjust the needle timing to be slightly later.
 - For better thread take-up, adjust the needle timing to be slightly earlier (refer to Figure A).

<Caution>

If you rotate the vertical nut (4) too far clockwise, it may cause the needle to break.

3. After adjustment, securely tighten the fixing screws (5).

8-6.機針和鋸梭的同步Adjusting the needle and rotary hook timing



當針杆(1)從最低位置向上移動1.8mm(2.2mm用于M和H規格),到達基線(b)與針杆軸套(2)下端對齊的位置時,鋸梭尖端(3)應與機針中心(4)對齊,如圖所示。

(此時,針孔上邊緣與鋸梭尖的距离為0.5至0.7mm。)

1.轉動縫紉機手輪,使針杆(1)從最低位置上升到如圖所示的基線(b)與針杆軸套(2)的下端保持對齊為止。

2.鋸松固定螺釘(5)[3個],使鋸梭尖(3)與機針(4)的中心一致。

此時,鋸梭尖(3)與機針(4)之間的間隙為0~0.05mm

3.擰緊固定螺釘(5)[3個]。

The tip of the rotary hook (3) should be aligned with the center of the needle (4) when the needle bar (1) moves up 1.8mm (2.2mm for -M and -H specifications) from its lowest position to the position where reference line (b) is aligned with the lower edge of the needle bar bush (2) as shown in the illustration. (The distance from the upper edge of the needle hole to the rotary hook tip will be 0.5 to 0.7mm at this time.)

1. Turn the machine pulley to raise the needle bar (1) from its lowest position until reference line (b) is aligned with the lower edge of the needle bar bush (2) as shown in the illustration.

2. Loosen the set screws (5), and then align the tip of the rotary hook (3) with the center of the needle (4). The distance between the tip of the rotary hook (3) and the needle (4) should be approximately 0-0.05mm.

3. Securely tighten the set screws (5).

8-7. 旋梭供油量的調整



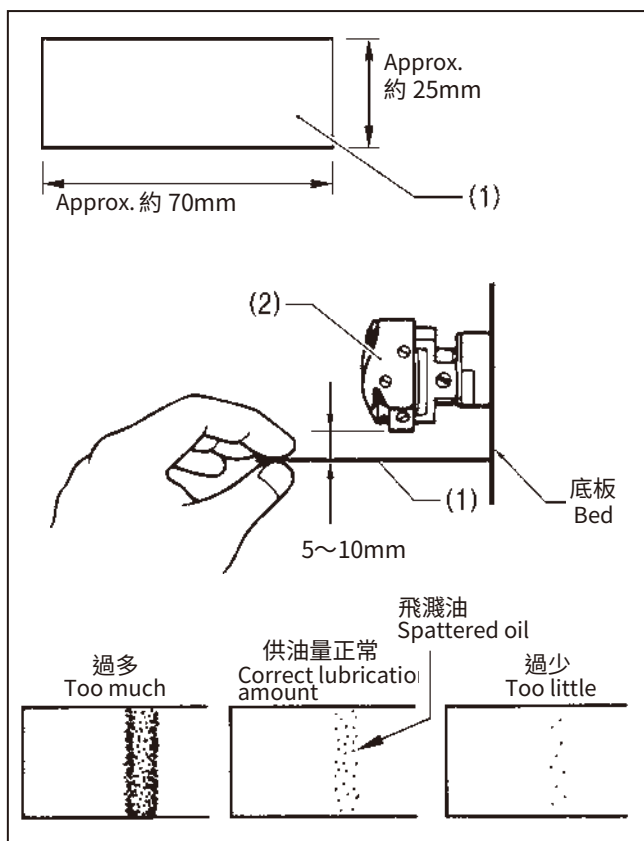
注意

在檢查旋梭供油量時，手指和油量測試紙不能碰到旋梭和送布機構等運動零件，是導致人員受傷的原因。

Be careful not to touch your fingers or the lubrication amount check sheet against moving parts such as the rotary hook or the feed mechanism when checking the amount of oil supplied to the rotary hook. If care is not taken, injury may result.

如換了旋梭或要變更縫紉速度時，請按下述步驟調整旋梭的供油量。

Use the following procedure to check the amount of oil being supplied to the rotary hook when replacing the rotary hook or when changing the sewing speed.



<供油量的確認>

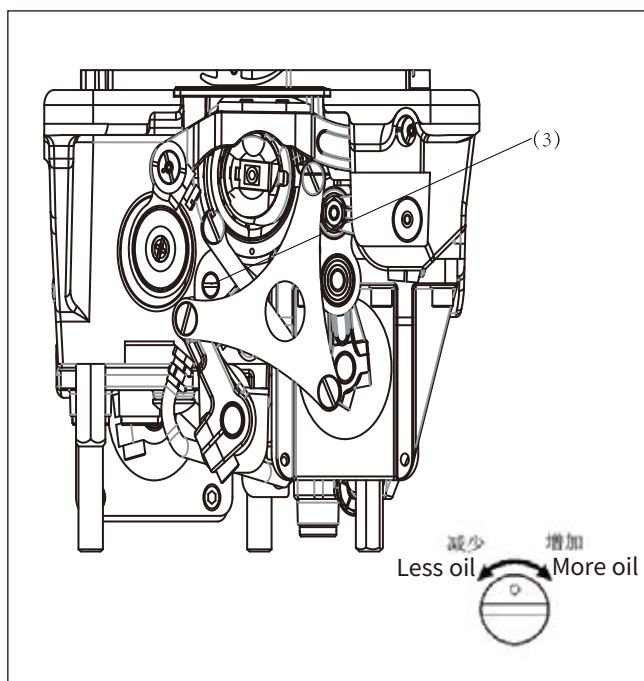
1. 拆去挑線杆至機針上的線。
2. 用抬壓腳扳手抬起壓腳。
3. 以縫紉機實際縫紉時的轉速進行約1分鐘的空運轉(適度的斷續運轉)。
4. 將油量測試紙(1)插入旋梭(2)的下面并握住，以縫紉機實際進行縫紉時的轉速使縫紉機運轉8秒鐘。(對油量測試紙(1)的紙質沒有什麼要求)
5. 確認飛濺到測試紙上的油量。

當需要進行調整時，請按下面(供油量的調整)一節所述進行調整。

<Checking the lubrication amount>

1. Remove the thread from all points from the thread take-up lever to the needle.
2. Use the lifting lever to lift the presser foot.
3. Run the machine at the normal sewing speed for approximately 1 minutes without sewing any material (following the same start/stop pattern as when actually sewing).
4. Place the lubrication amount check sheet (1) to the left of the rotary hook (2) and hold it there. Then run the sewing machine at the normal sewing speed for 8 seconds. (Any type of paper can be used as the lubrication amount check sheet (1).)
5. Check the amount of oil which has spattered onto the sheet.

If adjustment is necessary, carry out the following operations in "Adjusting the lubrication amount".



<供油量的調整>

1. 將縫紉機頭部倒下。
2. 轉動油量調整螺絲(3)，調整供油量。
 - 向右轉動油量調整螺絲(3)供油量增加。
 - 向左轉動油量調整螺絲(3)供油量減少。
3. 請參閱上述<供油量的決定>規定來檢查供油量。

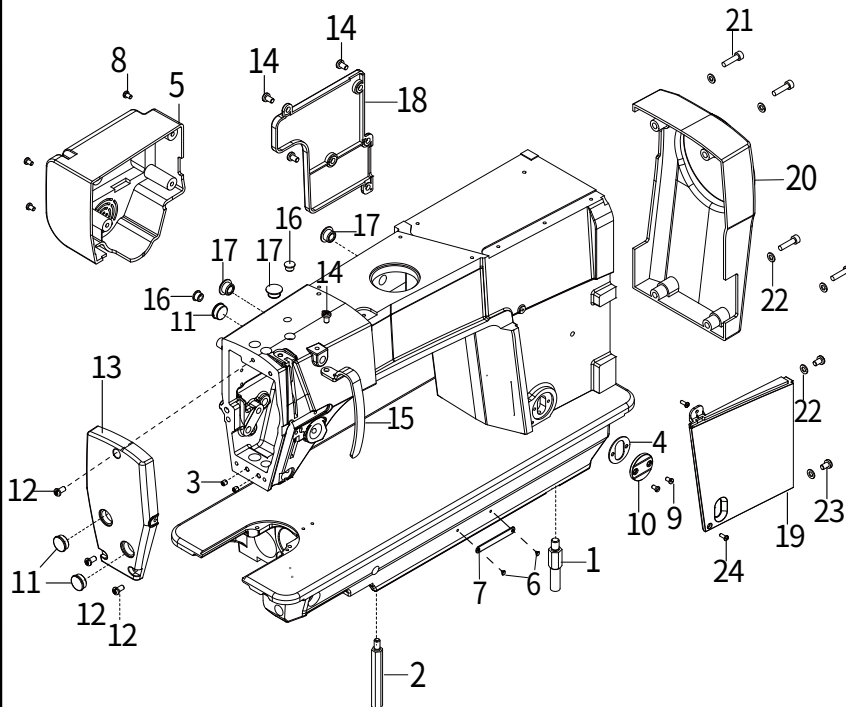
[注意]

請重複旋轉油量調整螺絲(3)，進行調整及供油量的確定，直到獲得適當的供油量穩定。

4. 在進行了約2小時的加工後，請再次檢查供油量。

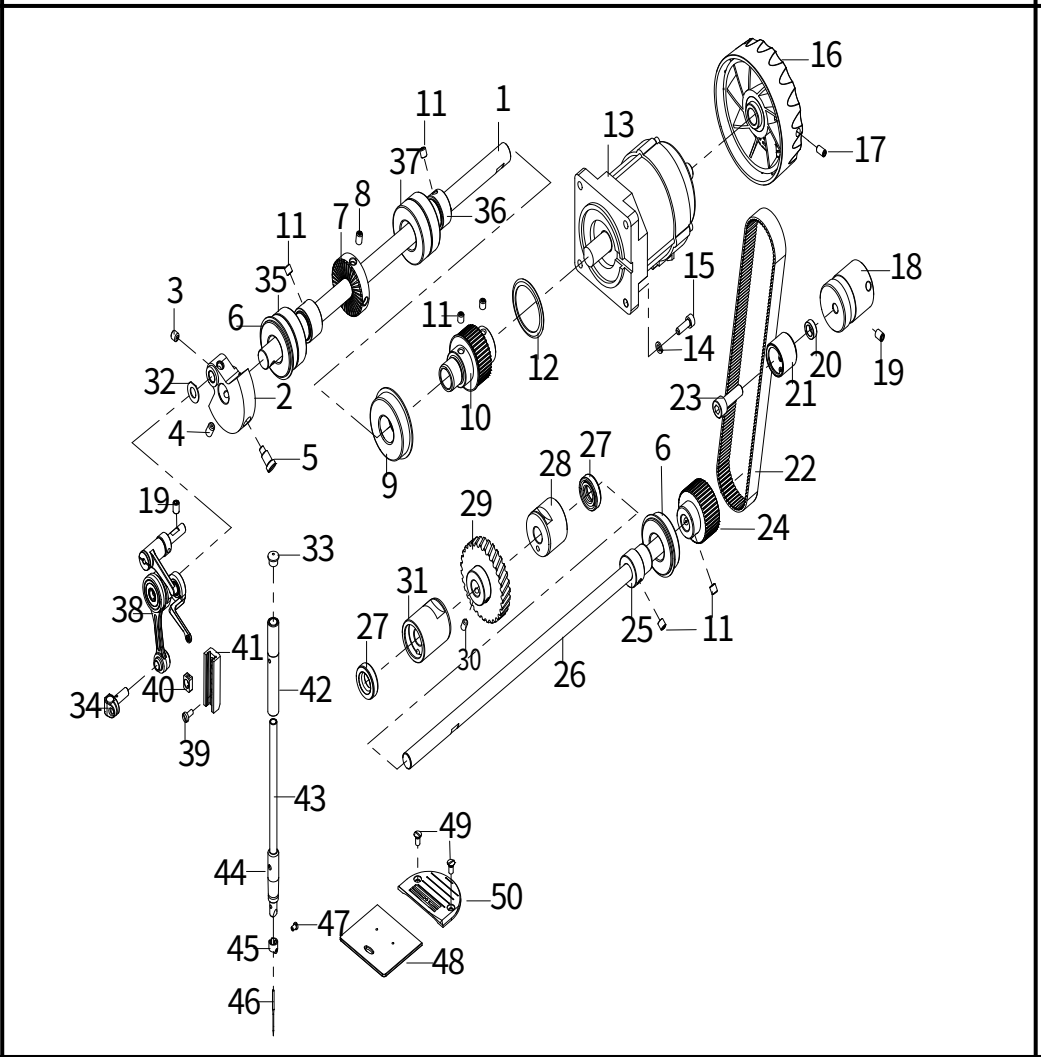
<Adjusting the lubrication amount>

1. Tilt back the machine head.
2. Turn the adjusting screw (3) to adjust the lubrication amount.
 - If the rotary hook adjusting screw (3) is turned clockwise, the lubrication amount becomes greater.
 - If the rotary hook adjusting screw (3) is turned counterclockwise, the lubrication amount becomes smaller.
4. Check the lubrication amount again according to the procedure given in "Checking the lubrication amount" above.
 - * Turn the rotary hook adjusting screw (3) and check the lubrication amount repeatedly until the lubrication amount is correct.
6. Check the lubrication amount again after the sewing machine has been used for approximately two hours.

SIRUBA PARTS LIST	Series	Parts Group	Subclass	Remark	Page
	DL7500SX	01			1 / 1
					Date
					2024/7/31
1.機體部分/Machine body					
					
序號	圖號	數量	零件名稱	NAME OF PARTS	
1	180011101	3	腳柱A	Foot post A	
2	180011201	1	腳柱B	Foot post B	
3	012500536	2	螺釘M5X5	Screw M5X5	
4	168063501	1	油窗防油墊	Oil window oil pad	
5	120013001	1	挑線馬達罩	Pick wire motor cover	
6	115012501	2	鉚釘	Rivet	
7	115012301	1	機器編碼	Machine code	
8	062400616	4	螺釘M4X6	Screw M4X6	
9	168063801	2	螺釘SM3. 57	Screw SM3. 57	
10	168063401	1	油量視窗板	Oil volume window panel	
11	115010701	3	橡皮塞15. 5	Rubber stopper 15. 5	
12	062710812	3	螺釘SM4. 76X28-9	Screw SM4. 76X28-9	
13	120013101	1	面板	Panel	
14	062500816	6	螺釘M5X8	Screw M5X8	
15	115090901	1	挑線杆防護罩	Take-up protective cover	
16	115011401	2	橡皮塞8. 5	Rubber stopper 8.5	
17	101011001	3	孔塞12. 5	Hole plug 12. 5	
18	180010801	1	后窗蓋	Rear window cover	
19	120012801	1	前蓋	Protectum	
20	120012901	1	馬達罩蓋	Motor cover	
21	018502032	4	螺釘M5X20	Screw M5X20	
22	025050236	6	平墊圈5	Flat washer 5	
23	062500816	2	螺釘M5X8	Screw M5X8	
24	168012501	2	螺釘M3X8	Screw M3X8	

SIRUBA PARTS LIST	Series	Parts Group	Subclass Remark	Page
	DL7500SX	02		1 / 1
				Date
				2024/7/31

2.針桿與挑線桿裝置/ Needle bar and thread take-up mechanism

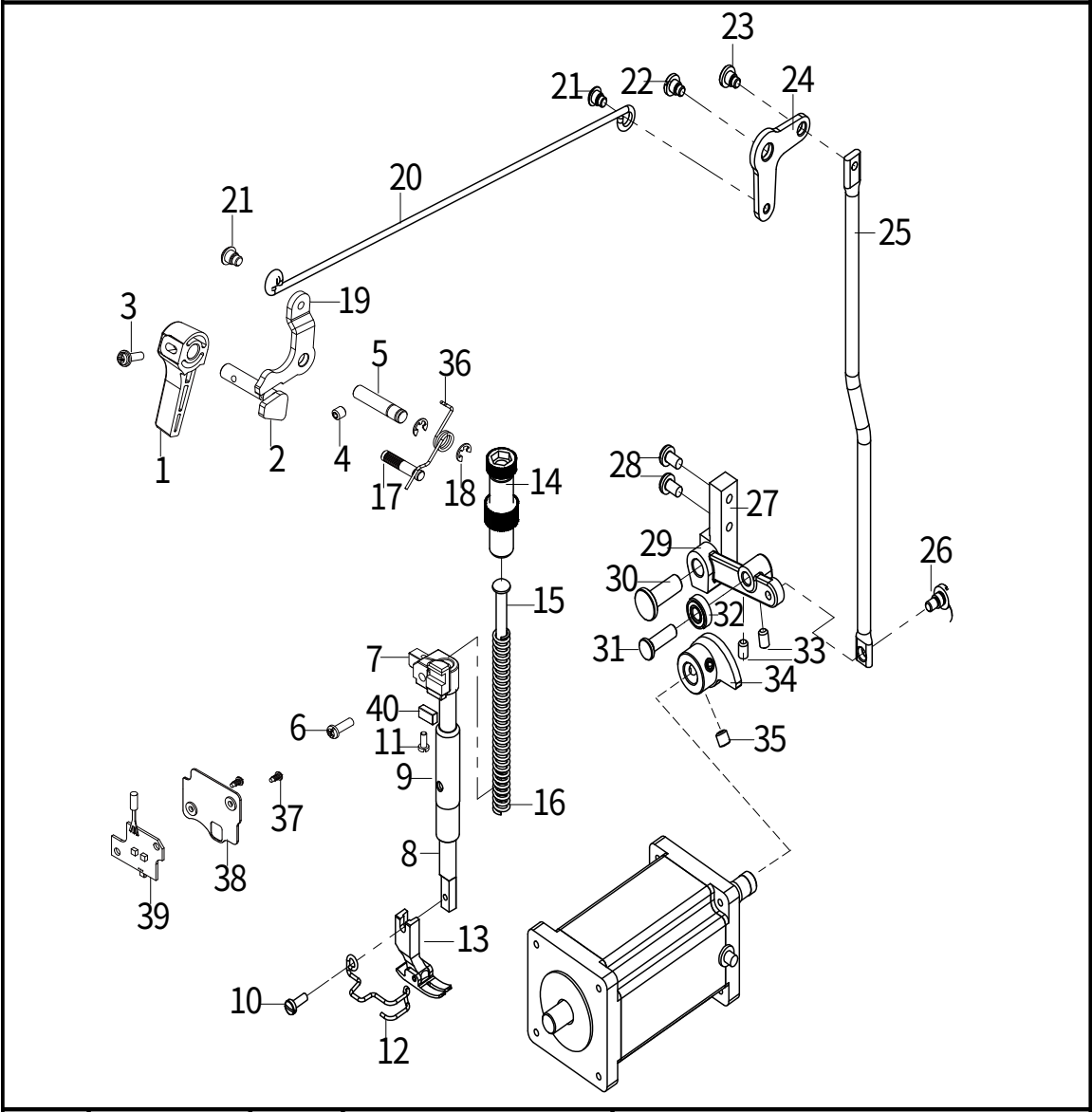


序號	圖 號	數量	零 件 名 稱	NAME OF PARTS
1	180020725	1	上軸	Upper axis
2	180024401	1	針杆曲柄	Needle bar crank
3	014770632	2	螺釘SM6. 35-40 X6	Screw SM6. 35-40 X6
4	014771032	1	爆釘SM6. 35-40X10	Burst nail SM6. 35-40X10
5	115021001	1	爆釘 SM7.14-28	Burst nail SM7.14-28
6	115024501	2	上軸前軸承	Front bearing of upper shaft
7	115021201	1	繞線驅動輪	Winding drive wheel
8	014500832	2	固定螺釘M5X8	Fixing screw M5X8
9	180020901	1	軸承6204	Bearing 6204
10	180022201	1	同步輪U	Synchronous wheel U
11	014600632	12	螺釘M6X0. 75-6	Screw M6X0.75-6
12	180022301	1	法蘭	Flange
13	180033202	1	馬達組件	Motor assembly
14	028050246	4	彈簧墊片T5	Spring washer T5
15	018502032	4	螺釘M5X20	Screw M5X20
16	125033306	1	手輪	Handwheel

<div>SIRUBA</div> <div>PARTS LIST</div>		Series		Parts Group	Subclass Remark	Page
		DL7500SX		02		1 / 1
						Date
						2024/7/31
A	17	012501032	2	螺釘M5X10	Screw M5X10	
	18	180047401	1	皮帶調節軸	Belt adjustment shaft	
	19	012061032	2	蝶釘M6X10	Man nail M6X10	
	20	180047201	1	張力輪管套	Tension wheel sleeve	
	21	180047501	1	張力輪組件	Tension wheel assembly	
	22	180022101	1	同步皮帶	Timing belt	
	23	180047301	1	螺釘M8X25	Screw M8X25	
	24	180022001	1	同步輪D	Synchronous wheel D	
	25	180020601	1	軸承軸套	Bearing sleeve	
	26	180020101	1	下軸	Lower shaft	
B	27	180021001	2	油封 25X7X12	Oil seal 25X7X12	
	28	180020401	1	下軸中套	Lower shaft sleeve	
	29	180021401	1	下軸齒輪	Lower shaft gear	
	30	014500832	2	螺釘SM5X8	Screw SM5X8	
	31	180020201	1	下軸前套	Lower shaft front sleeve	
	32	115021401	1	墊圈8X15. 5	Washer 8X15. 5	
	33	115010801	1	擒皮塞8. 5	Puppy plug 8. 5	
	34	168022402	1	針杆接頭	Needle bar connector	
	35	180020301	1	軸承6004ZZ	Bearing 6004ZZ	
	36	180022601	1	軸承軸套	Bearing sleeve	
C	37	180022501	2	上軸中軸承	Bearing in the upper shaft	
	38+	168022301	1	桃線杆組件M	Peach wire rod assembly M	
	38+	168022302	1	桃線杆組件H	Peach wire rod assembly H	
	39	115024601	2	螺釘SM3. 57	Screw SM3. 57	
	40	115023201	1	針杆接頭滑塊	Needle bar connector slider	
	41	180024301	1	針杆導向滑塊導軌	Needle bar guide slider rail	
	42	115023001	1	針杆軸套U	Needle shaft sleeve U	
	43+	115020601	1	針杆M	Needle bar M	
	43+	115020602	1	針杆H	Needle bar H	
	44	115020501	1	針杆軸套D	Needle shaft sleeve D	
D	45	115023301	1	針杆過線環	Needle bar thread loop	
	46+	115024101	1	機針 DBX1 —(#14)	Needle DBX1 —(#14)	
	46+	115024102	1	機針 DPX5—(#22)	Needle DPX5—(#22)	
	47	115023101	1	固定螺釘SM3.18	Fixing screw SM3.18	
	48	115023601	1	推板組件	Push plate assembly	
	49	115023501	2	螺釘SM4. 37-40X6	Screw SM4. 37-40X6	
	50+	115023401	1	針板	Needle plate	
	51+	115023402	1	針板H	Needle plate H	
E						
		1	2	3	4	5

SIRUBA PARTS LIST	Series	Parts Group	Subclass Remark	Page
	DL7500SX	03		1 / 1
				Date
				2024/7/31

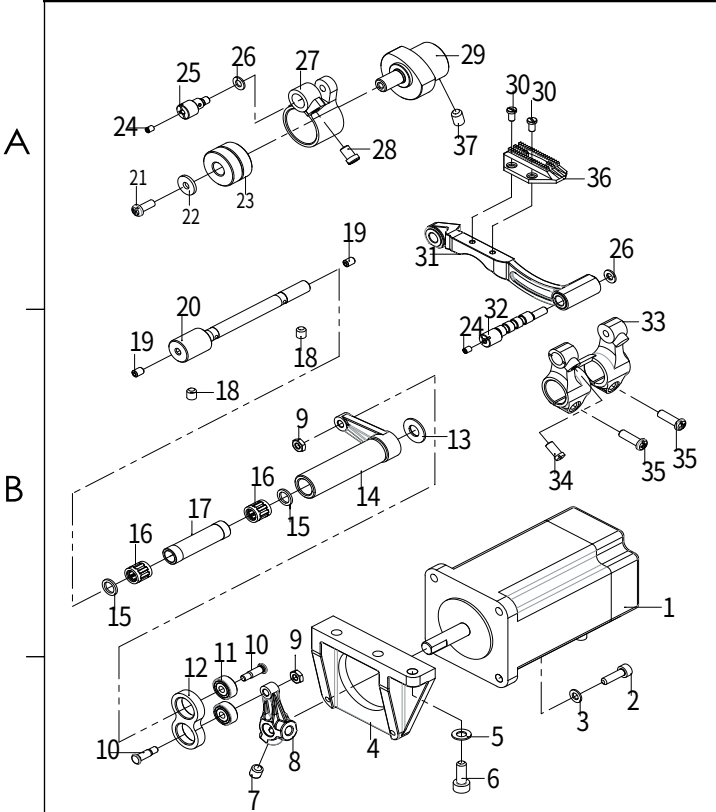
3.壓腳裝置/Presser foot mechanism



<div>SIRUBA</div> <div>PARTS LIST</div>		Series		Parts Group	Subclass Remark	Page
		DL7500SX		03		1 / 1
						Date
						2024/7/31
	序號	圖 號	數量	零 件 名 稱	NAME OF PARTS	
A	1	115031901	1	抬壓腳扳手	Presser foot lifter	
	2	115032101	1	抬壓腳凸輪軸	Presser foot lifting camshaft	
	3	115032001	1	螺釘SM3.57-40X9.5	Screw SM3.57-40X9.5	
	4	012500536	1	螺釘M5X5	Screw M5X5	
	5	115031401	1	膝控提升短銷	Front lever threaded pin	
	6	062401216	1	螺釘M4x12	Screw M4x12	
	7	120013701	1	壓杆導架	Rod guide	
B	8	180030401	1	壓緊杆	Compression rod	
	9	115030201	1	壓緊杆軸套	Compression rod bushing	
	10	115031001	1	螺釘SM3.57-40×10	Screw SM3.57-40×10	
	11	060030812	1	螺釘M3X8	Screw M3X8	
	12	115030901	1	護指器	Finger guard	
	13+	115030701	1	壓腳組件	Presser foot assembly	
	13+	115030702	1	壓腳組件H	Presser foot assembly H	
C	14	168031501	1	調壓螺拴組件	Pressure regulating bolt asm	
	15	115030401	1	彈簧導杆	Spring guide	
	16+	115030502	1	壓緊彈簧	Compression spring	
	16+	115030503	1	壓緊彈簧H	Compression spring H	
	17	115035401	1	彈簧銷	Spring pin	
	18	048040342	2	擋圈E4	Retaining ring E5	
	19	169031201	1	抬壓腳前杠杆	Lift the front lever of the foot	
D	20	115034401	1	膝控連杆	Knee Control Link	
	21	115034301	2	軸位螺釘SM4.76	Axis screw SM4.76	
	22	115034501	1	螺釘SM6.35	Screw SM6.35	
	23	169032201	1	軸位螺釘	Axial screw	
	24	115034601	1	膝控提升手杆	Knee lift handle	
	25	180032301	1	膝靠提升杆	Knee lifter	
	26	169032401	1	軸位螺釘6-4	Axial screw 6-4	
E	27	180030101	1	抬壓腳曲柄固定架	Crank holder for lifting foot	
	28	062500816	2	螺釘M5X8	Screw M5X8	
	29	180030102	1	壓腳提升曲柄	Presser foot lifting crank	
	30	180030301	1	抬壓腳曲柄軸	Lift foot crank shaft	
	31	169033401	1	軸軸承支撐軸	Shaft bearing support shaft	
	32	169034001	1	軸承6196	Bearing 6196	
	33	012500632	1	螺釘M5X6	Screw M5X6	
	34	168032701	1	抬壓腳凸輪	Presser foot cam	
	35	012600636	1	螺釘M6-0.75X6	Screw M6-0.75X6	
	36	169031701	1	左杠杆复位簧	Left lever reset spring	
	37	168110302	2	螺釘M3X6	Screw M3X6	
	38	168034001	1	電路板壓板	Circuit board clamp	
	39	180011701	1	層縫感應電路板	Layer slit induction circuit board	
	40	180030601	1	磁塊	Magnetic block	
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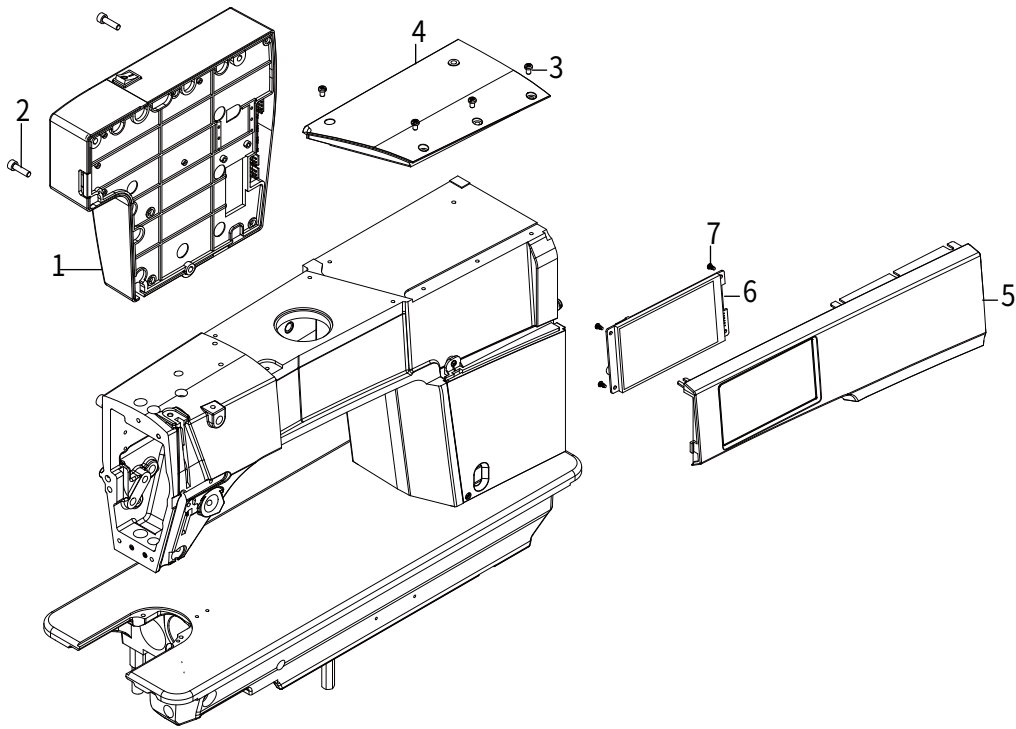
SIRUBA PARTS LIST	Series	Parts Group	Subclass Remark	Page
	DL7500SX	04		1 / 1
				Date
				2024/7/31

4.送料装置/Feed mechanism



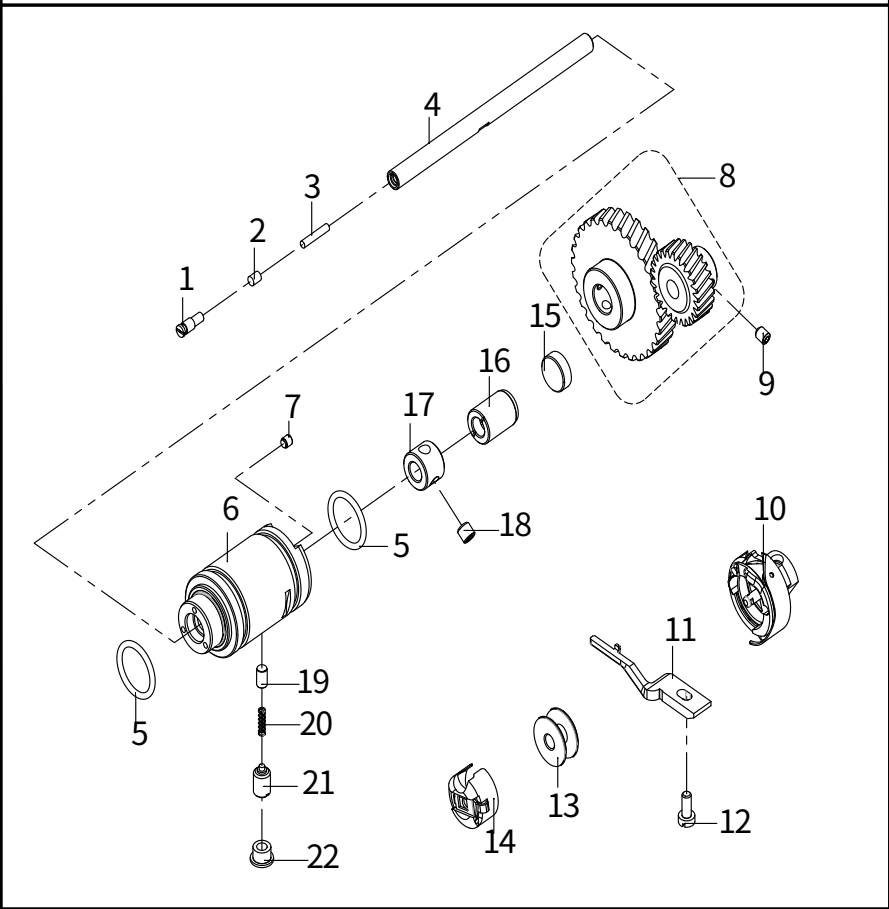
序號	圖號	數量	零件名稱	NAME OF PARTS	序號	圖號	數量	零件名稱	NAME OF PARTS
1	120012101	1	送料步進電機組件	Feeding stepper motor asm	26	115046701	2	墊圈4.2	Washer 4.2
2	018401436	4	螺釘M4×14	Screw M4×14	27	180046902	1	抬牙座	Tooth lifter
3	025040132	4	平墊圈4	Flat washer 4	28	180046801	1	螺釘M5x7	Screw M5x7
4	120010601	1	電機安裝座	Motor mount	29	180042601	1	抬牙叉曲柄	Fork crank
5	028050246	3	彈簧墊片5	Spring washer 5	30	180042801	2	螺釘M3x6	Screw M3x6
6	018501636	3	螺釘M5x16	Screw M5x16	31	180049401	1	送布台	Cloth feeder
7	014600632	2	螺釘M6x0.75-6	Screw M6x0.75-6	32	180046601	1	牙架銷	Tooth frame pin
8	120010101	1	送料驅動曲柄	Feed drive crank	33	120011901	1	牙架座	Tooth holder
9	021350106	2	螺母M3.5	Nut M3.5	34	101062601	1	螺釘SM4.37-40x7	Screw SM4.37-40x7
10	115026801	2	挑線連杆銷	Thread take-up link pin	35	115046301	1	螺釘SM4.37-40x14	Screw SM4.37-40x14
11	120012301	2	軸承624Z	Bearing 624Z	36+	169046904	1	送料牙	Feeding teeth
12	120010201	1	送布連杆	Feeding link	36+	115046902	1	送料牙H	Feeding teeth H
13	115021401	1	墊片8x15.5	Gasket 8x15.5	37	014600632	2	螺釘M6x0.75-6	Screw M6x0.75-6
14	120010401	1	送料曲柄	Feed crank					
15	120012401	2	軸墊片	Shaft gasket					
16	120012201	2	滾針軸承K7x10x10	Needle roller bearings K7x10x10					
17	120011001	1	送料曲柄襯套	Feeding crank bush					
18	014500532	2	螺釘M5x5	Screw M5x5					
19	012400532	2	螺釘M4x5	Screw M4x5					
20	120010301	1	送料軸	Feed shaft					
21	062401016	1	螺釘M4x10	Screw M4x10					
22	180046904	1	墊片4.2x1.5	Spacer 4.2x1.5					
23	180046903	2	軸承Z608	Bearing Z608					
24	014300432	2	螺釘M3x4	Screw M3x4					
25	180046101	1	上下送布台軸	Upper and lower feeding shaft					

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SIRUBA PARTS LIST	Series	Parts Group	Subclass Remark	Page
	DL7500SX	05		1 / 1
				Date
				2024/7/31
5.控制箱裝置和操作盒/ Control box device and operating box				
				
序號	圖 號	數量	零 件 名 稱	NAME OF PARTS
1	120013901	1	控制箱組件	Control box components
2	102030301	3	螺釘M5×18	Screw M5×18
3	062400816	4	螺釘M4×8	Screw M4×8
4	120012701	1	機殼上蓋板	Case upper cover
5	120012501	1	顯示屏外殼	Display case
6	120013801	1	5寸屏	5-inch screen
7	168110302	4	螺釘M3X6	Screw M3X6
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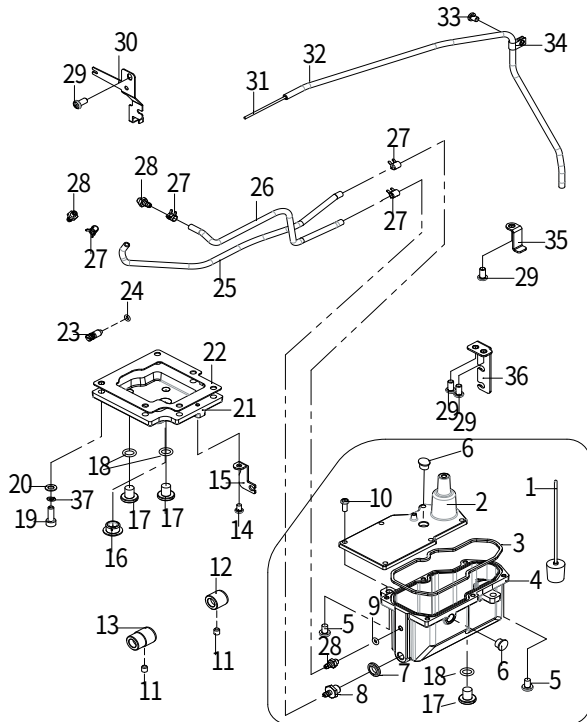
SIRUBA PARTS LIST	Series	Parts Group	Subclass Remark	Page
	DL7500SX	06		1 / 1
				Date
				2024/7/31

6. 鍍梭裝置/ Rotary hook mechanism



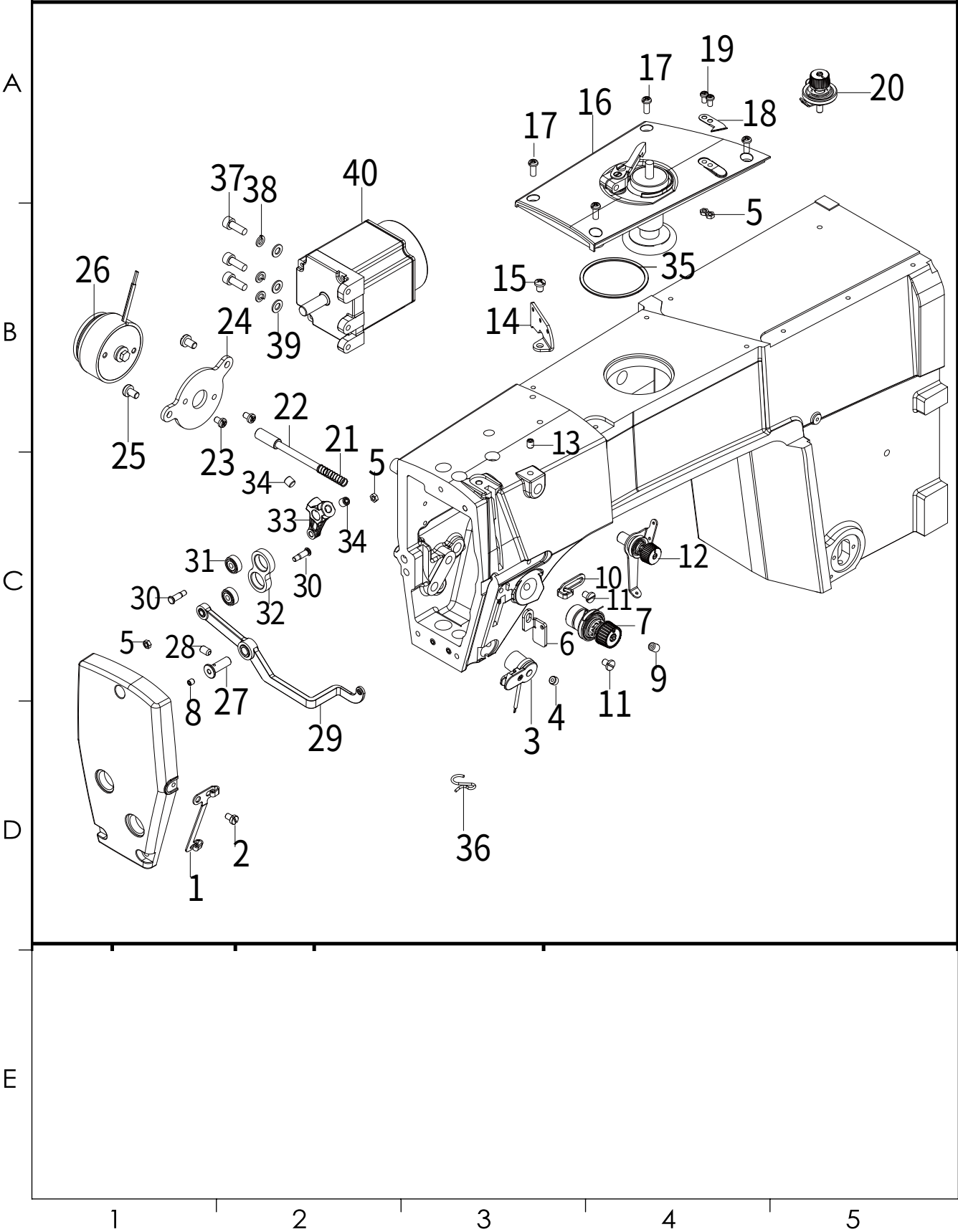
序號	圖 號	數量	零 件 名 稱	NAME OF PARTS
1	115071401	1	油蓋螺釘	Oil cap screw
2	115073601	1	小油氈	Small linoleum
3	115071901	1	油芯	Oil wick
4	120010801	1	鍍梭齒輪軸	Rotary hook gear shaft
5	115073301	2	O型圈	O-ring
6	120010701	1	泵軸套	Pump shaft sleeve
7	115022801	1	橡皮塞4*2	Rubber stopper 4*2
8	180021400	1	鍍梭齒輪組件	Rotary hook gear assembly
9	012500632	1	螺釘M5X6	Screw M5X6
10	115072319	1	鍍梭組件	Rotary hook assembly
11+	115072201	1	鍍梭定位鉤	Rotary hook positioning hook
11+	115072202	1	鍍梭定位鉤H	Rotary hook positioning hook H
12	125042401	1	螺釘SM4. 37-40X10	Screw SM4. 37-40X10
13	115072401	1	梭芯	Bobbin
14	115072701	1	梭心套組件	Bobbin set components
15	125013001	1	孔塞15.2	Hole plug 15.2
16	120010901	1	鍍梭軸后套	Hook shaft back cover
17	115072001	1	緊圈	Tight circle
18	014770432	2	螺釘SM6.35-40x4	Screw SM6.35-40x4
19	115083001	1	柱塞	Plunger
20	115083301	1	彈簧	spring
21	115083501	1	泵蓋螺釘	Pump cover screws
22	115011001	1	橡皮塞10.5	Rubber stopper 10.5

SIRUBA PARTS LIST	Series	Parts Group	Subclass Remark	Page
	DL7500SX	07		1 / 1
				Date
				2024/7/31

7.供油潤滑裝置/Lubrication				
				
序號	圖號	數量	零件名稱	NAME OF PARTS
1	180085401	1	浮球組件	Float assembly
2	120011403	1	油盒蓋	Oil box cover
3	120011801	1	油盒密封墊	Oil tank gasket
4	120011402	1	油盒	Oil box
5	062501216	2	螺釘M5x12	Screw M5x12
6	115011401	2	橡皮塞8.5	Rubber stopper 8.5
7	101100501	1	排油孔密封圈	Oil drain hole sealing ring
8	115080501	1	供油口	Oil supply port
9	081004070	1	O型圈7.2x1.8	O-ring 7.2x1.8
10	062401012	6	螺釘M4x10	Screw M4x10
11	014500632	2	螺釘M5x6	Screw M5x6
12	120011601	1	切線軸套L	Tangent shaft sleeve L
13	120011501	1	切線軸套R	Tangent shaft sleeve R
14	062400616	1	螺釘M4x6	Screw M4x6
15	120011301	1	油管夾	Tubing clamp
16	101011001	1	孔塞12.5	Hole plug 12.5
17	115080901	3	螺釘M8x12.5	Screw M8x12.5
18	115080801	3	O型圈P8	O-ring P8
19	018501636	6	螺釘M5x16	Screw M5x16
20	025050236	6	墊片5	Gasket 5
21	120011101	1	小油盒	Small oil box
22	120011201	1	小油盒墊片	Small oil box gasket
23	115081502	1	調節螺釘	Adjusting screw
24	081004870	1	O型圈S4	O-ring S4
25	5040202	1	尼龍油管3.2	Nylon tubing 3.2
26	5040202	1	尼龍油管3.2	Nylon tubing 3.2
27	115085501	4	油管夾	Tubing clamp
28	115080401	3	供油口	Oil supply port
29	062500816	4	螺釘M5x8	Screw M5x8
30	180021901	1	油線掛鉤組件	Oil line hook assembly
31	115082401	1	油線	Oil line
32	5040202	1	尼龍油管3.2	Nylon tubing 3.2
33	101010901	1	螺釘SM4.76-28x6	Screw SM4.76-28x6
34	101090401	1	油管夾	Tubing clamp
35	120011701	1	電線壓板	Wire pressure plate
36	120012001	1	油管支架	Tubing bracket
37	028050246	6	彈簧墊圈T5	Spring washer T5

SIRUBA PARTS LIST	Series	Parts Group	Subclass Remark	Page
	DL7500SX	08		1 / 1
				Date
				2024/7/31

8.穿線裝置/Threading mechanism



SIRUBA PARTS LIST		Series		Parts Group	Subclass Remark	Page
		DL7500SX		08		1 / 1
						Date
						2024/7/31
	序號	圖 號	數量	零 件 名 稱	NAME OF PARTS	
A	1	180090201	1	面板線鉤	Panel hook	
	2	125022201	1	螺釘M4X6	Screw M4X6	
	3	103012201	1	電子夾線器	Electronic clamp	
	4	013760532	1	螺釘SM5. 95-28x5	Screw SM5. 95-28x5	
	5	021350106	4	螺母M3.5	Nut M3.5	
	6	120013501	1	過線環	Through-loop	
	7+	168072501	1	夾線器組件M	Thread clamp assembly M	
B	7+	168072601	1	夾線器組件H	Thread clamp assembly H	
	8	012400436	1	螺釘M4X4	Screw M4X4	
	9	101020401	1	螺釘SM5. 95-28x7	Screw SM5. 95-28x7	
	10	101020701	1	右線鉤	Right hook	
	11	101020201	2	螺釘SM4. 37-40X6	Screw SM4. 37-40X6	
	12	168072201	1	調線夾線器組件	Thread adjuster assembly	
	13	101022201	1	螺釘SM4. 76-28X6	Screw SM4. 76-28X6	
C	14	115090301	1	穿線板	Threading board	
	15	101010901	1	螺釘SM4. 76-28X6	Screw SM4. 76-28X6	
	16	120012601	1	繞線器組件	Winder assembly	
	17	062400816	4	螺釘M4X8	Screw M4X8	
	18	101022701	1	割線刀	Secant knife	
	19	062350616	2	螺釘SM3. 5X6	Screw SM3. 5X6	
	20	168072101	1	繞線器夾線組件	Winder wire clamping assembly	
D	21	169122701	1	松線杆复位簧	Thread release lever reset spring	
	22	169122801	1	夾線軸	Spool	
	23	062400616	2	螺釘M4X6	Screw M4X6	
	24	120013201	1	電磁鐵安裝板	Solenoid mounting plate	
	25	062500816	2	螺釘M5X8	Screw M5X8	
	26	103010501	1	松線電磁鐵	Loose wire electromagnet	
	27	120013301	1	副挑線杆銷	Auxiliary pick rod pin	
E	28	014500832	1	螺釘M5X8	Screw M5X8	
	29	120013401	1	副挑線杆	Secondary pick rod	
	30	115026801	2	挑線連杆銷	Pick connecting rod pin	
	31	120012301	2	軸承624Z	Bearing 624Z	
	32	120010201	1	送料連杆	Feed connecting rod	
	33	120010101	1	送料驅動曲柄	Feed drive crank	
	34	014600632	2	螺釘M6-0.75X6	Screw M6-0.75X6	
	35	168072901	1	繞線器密封墊	Winder gasket	
	36	180090301	1	針杆軸套D線勾	Needle rod shaft sleeve D line hook	
	37	018501432	3	螺釘M5X14	Screw M5X14	
	38	028050246	3	彈簧墊圈T5	Spring washer T5	
	39	025050132	3	平墊圈5	Flat washer 5	
	40	120013601	1	挑線電機	Pick machine	

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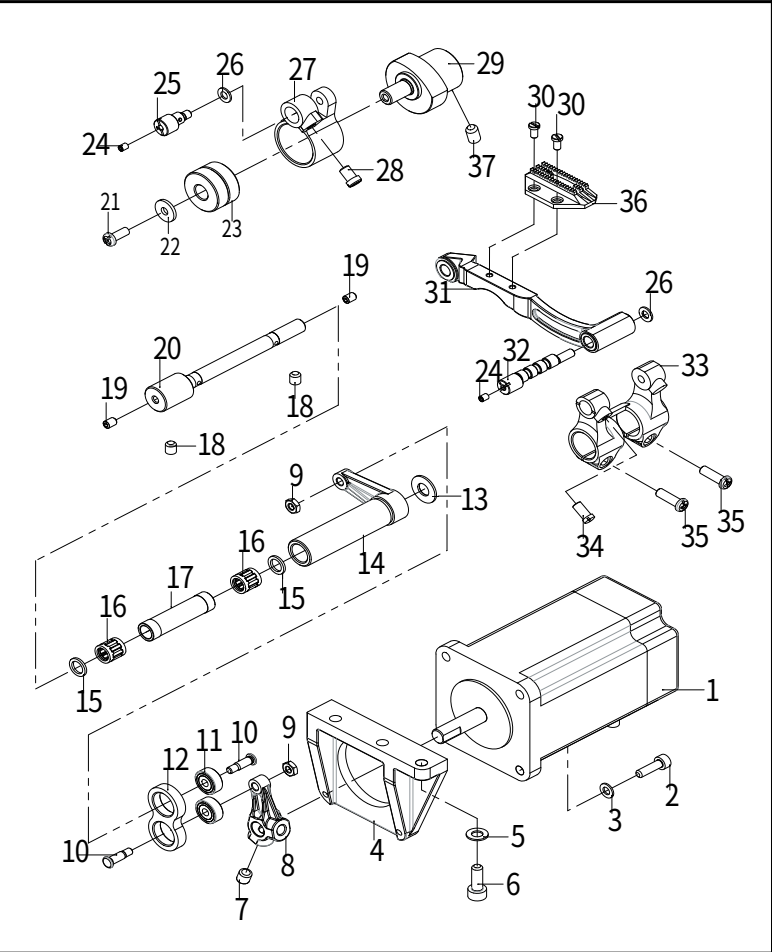
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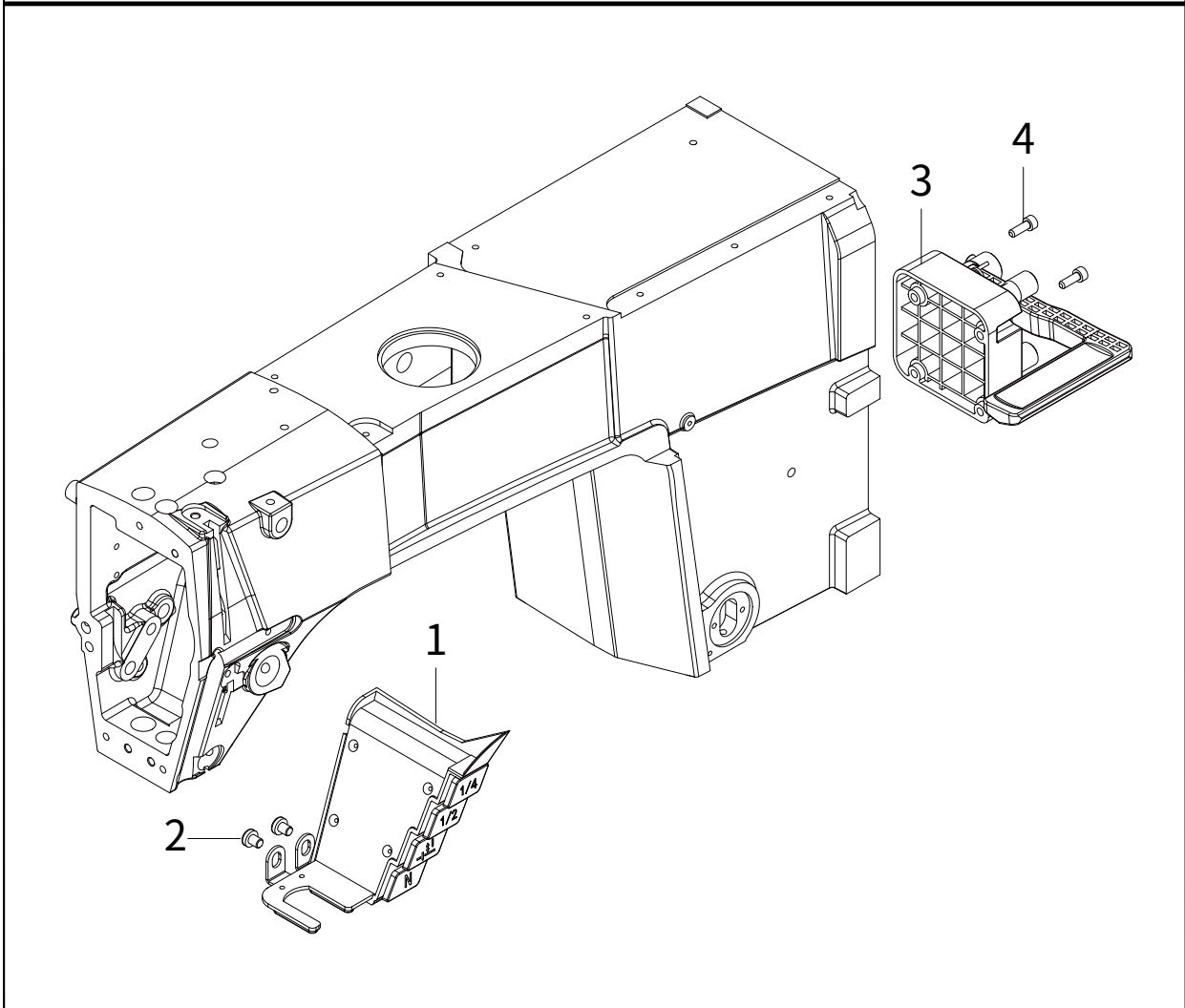
SIRUBA PARTS LIST	Series	Parts Group	Subclass Remark	Page
	DL7500SX	09		1 / 1
				Date
				2024/7/31

4.送料装置/Feed mechanism



序號	圖 號	數量	零 件 名 稱	NAME OF PARTS
1	120012101	1	送料步進電機組件	Feeding stepper motor asm
2	018401436	4	螺釘M4×14	Screw M4×14
3	025040132	4	平墊圈4	Flat washer 4
4	120010601	1	電機安裝座	Motor mount
5	028050246	3	彈簧墊片5	Spring washer 5
6	018501636	3	螺釘M5x16	Screw M5x16
7	014600632	2	螺釘M6x0.75-6	Screw M6x0.75-6
8	120010101	1	送料驅動曲柄	Feed drive crank
9	021350106	2	螺母M3.5	Nut M3.5
10	115026801	2	挑線連杆銷	Thread take-up link pin
11	120012301	2	軸承624Z	Bearing 624Z
12	120010201	1	送布連杆	Feeding link
13	115021401	1	墊片8x15.5	Gasket 8x15.5
14	120010401	1	送料曲柄	Feed crank
15	120012401	2	軸墊片	Shaft gasket
16	120012201	2	滾針軸承K7x10x10	Needle roller bearings K7x10x10
17	120011001	1	送料曲柄襯套	Feeding crank bush
18	014500532	2	螺釘M5x5	Screw M5x5
19	012400532	2	螺釘M4x5	Screw M4x5
20	120010301	1	送料軸	Feed shaft
21	062401016	1	螺釘M4x10	Screw M4x10
22	180046904	1	墊片4.2x1.5	Spacer 4.2x1.5
23	180046903	2	軸承Z608	Bearing Z608
24	014300432	2	螺釘M3x4	Screw M3x4
25	180046101	1	上下送布台軸	Upper and lower feeding shaft

SIRUBA	Series	Parts Group	Subclass Remark	Page
	DL7500SX	10		1 / 1
				Date
				2024/7/31
PARTS LIST				

10.倒縫裝置/Quick reverse mechanism				
				
序號	圖 號	數量	零 件 名 稱	NAME OF PARTS
1	180150101	1	LED倒縫開關組件	LED reverse seam switch asm
2	062500616	2	螺釘M5×6	Screw M5×6
3	166203302	1	倒縫扳手總組件	Total assembly of inverted wrench
4	018401232	4	螺絲M4X12	Screw M4X12

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SIRUBA PARTS LIST	Series	Parts Group	Subclass	Remark	Page
	DL7500SX	11			1 / 1
					Date
					2024/7/31

11.附件/Accessories				
<div></div>				
序號	圖 號	數量	零 件 名 稱	NAME OF PARTS
1	115072401	3	梭芯	Bobbin
2+	115024112	4	機針 DBX1-(#14)	Needle (DBX1) #14
2+	115024113	1	機針 DPX5-(#20)	Needle (DPX5) #20
3	115150601	2	頭部防震墊	Quakeproof washer
4	115150401	2	機頭鉸鏈板	Machine hinge plate
5	115150501	4	機頭鉸鏈套	Hinge sleeve head
6	115150801	2	頭部防震墊 R	Quakeproof washer R
7	5050111	4	釘	Nail
8	5030906	1	油脂注射器	Grease injector
9	169130901	1	機頭撐杆	Head rest
10	115151001	1	中號油壺	Oil reserivir
11	6050211	1	零件手冊	Parts book
12	6050111	1	使用說明書	Instruction book
13	169085001	1	油盤	Oil box
14	115151401	1	線架組件2DR	Thread stand asm 2DR
15	115151901	1	連杆組件	Connecting rod assy
16	115151701	12	螺絲刀(中)	Screw dirver
17	152208101	3	木螺釘	Wood screws
18	5040104	1	尼龍扎帶3X10	Nylon cable tie 3x100
19	115152001	1	控速器	Speed controller
20	169050101	1	電子膝靠組件	Electronic knee rest
21	125122801	1	電源線	power cable
22	6050105	1	電控使用說明書	Electronic control manual
23	115151801	1	螺絲刀(大)	Screwdriver (large)
24	115151601	1	螺絲刀(小)	Screwdriver (small)
25	6040101	1	機頭罩	Hood
26	125104101	1	膝控接頭	Knee joint
27	125104001	1	膝控組件	Knee control unit

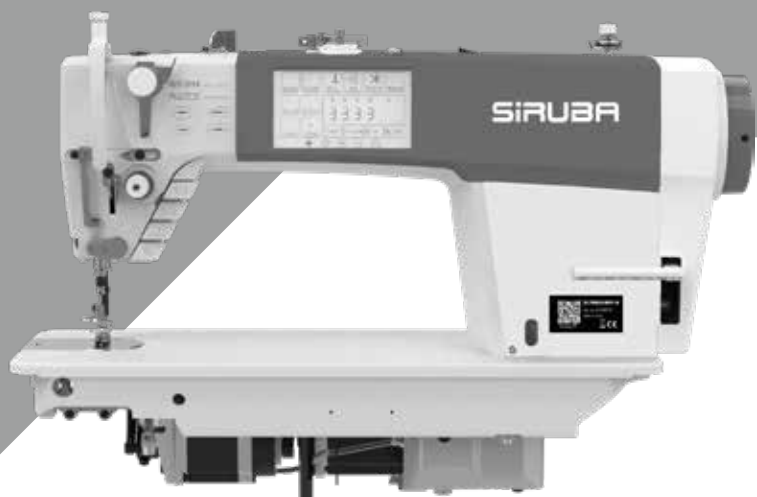
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高林股份有限公司
KAULIN MFG. CO., LTD.

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The specification and/or appearances of the equipment described in this instruction book & parts list are subject to change because of modification which will without previous notice.
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