CS-6104 CS-6104N 單針雙押脚上下送平車 (大釜) (自動給油)



使用説明書 INSTRUCTION MANUAL

Read safety Instructions carefully and understand them before using. Retain this Instruction Manual for future reference.

爲了安全地使用,請您在使用之前仔細閱讀本使用説明書。 另外,請您注意保管本使用説明書,以便隨時查閱。



1	膝動押腳提升安裝	
	MOUNTING POSITION OF THE KNEE LIFTER	3
2	注油	-
	LUBRICATION	4 - 5
3	潤滑情况 LUBRICATION CONDITION	6
4	旋梭油量調節	
-	REFUELING ADJUSTMENT OF THE HOOK	6
5	皮帶防護罩及卷綫器之安裝	
	INSTALLING THE BELT COVER AND BOBBIN WINDER	7
6	機針之安裝	
	ATTACHING THE NEEDLE	8
7	面綫之穿法	
	THREADING THE MACHINE HEAD	9
8	縫目的調整	-
	ADJUSTING THE STITCH LENGTH	10
9	縫綫張力調整	
_	THREAD TENSION	11
10	押腳壓力調整	
-	PRESSURES OF THE PRESSER FOOT AND WALKING FOOT	11
11	押腳的提升	
	LIFTING THE PRESSER FOOT	12
12	送布牙的高度調整	
-	HEIGHT OF THE FEED DOG	12
13	送布牙坡度的調整	
	SLIPE ADJUSTMENT OF THE FEED DOG	13
14	前/倒縫縫目比率調整	
10	FORWARD/REVERSE SEAM RATIO	14
15	內外押腳的調節	
	ADJUSTING THE WALKING FOOT AND THE PRESSER FOOT	16
16	針與旋梭的關系調整	
	NEEDLE-TO-HOOK RELATIONSHIP	17 – 18
17	送料時間的調整	
	FEED TIMING	19
18	問題與處理方式	
	TROUBLE AND CORRECTIVE MEASURES	20 - 21



GOLDEN WHEEL

INSTRUCTION MANUAL

爲了提高機器的耐久性,請在使用前詳細閱讀使 用說明書, 并請妥善保存好說明書以便隨時使用。 Please read this Instruction Manual carefully before using the unit in order to get the most out of it and to enjoy using it for a long time, Please keep this Instruction Manual at hand taking care not to lose it

操作前應注意事項:

BEFORE OPERATION

- 1. 機器未加油潤滑前, 請勿啓動機台或試轉。
- 2. 請先確認工作場所使用之電壓及相數(單相或三相), 並詳閱馬達銘牌上注明之規格, 是否相符?
- 3. 機台安裝完畢, 第一次試轉請先確認機頭上輪運轉方向。
- ★ 開動電源, 並保持低速運轉, 從機頭上輪位置方向觀察, 上輪運轉方向是反時針旋轉。
- 4. 機台開始使用第一個月,請保持或低於1600轉/每分鐘速度運轉。
- 1. Do not operate the machine even for trial before lubrication it.
- 2. Confirm that the voltage and phase (single or 3-phase) are correct by checking them against the ratings showen on the motor nameplate.
- 3 When running your machine for the first time after theset-up, check the rotational direction of the handwheel. * Turn on the powerswitch Run the machine at a low speed while checking the rotatio direction of the handwheel (The handwheel should turn counterclockwise as observe from the handwheel side.)
- 4. For the first month, run the machine at speed of 1600 s.p.m. or less.

操作時應注意事項:

CAUTIONS IN OPERATION

- 1. 啓動電源或機器運轉期間, 請勿將手靠近機針位置, 並保持距離。
- 機台操作運轉期間、請勿將個人或讓其他人之頭、手指等靠近機頭上輪、V型皮帶、繞 線器或馬達,同時,亦請勿置其它物品靠近上述地方,以免發生危險。
- 3. 請勿於移除護指環、皮帶蓋、與任何其它的保護裝置之情況下、操作機器。
- 4. 移動V型皮帶前、務必先將電源關閉、及馬達確實已停止轉動、才可進行下一動作。
- 1. Keep your hands away from the needle when you turn on the power switch or while the machine is operating
- 2 During operation, be careful not to allow your or any other person's head or fingers to come close the handwheel, V-belt, bobbin winder or motor. Also, do not place anything close to them
- 3 Do not turn the machine with the finger guard belt cover or any other protectors removed
- 4. Be sure to turn off the power switch and confirm that the motor is completely stopped before removing the V-belt.

規格説明: SPECIFICATIONS

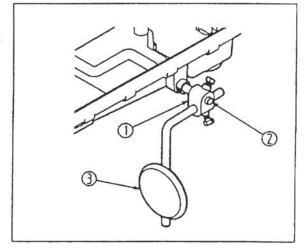
適用用途	袋子、鞋子、中厚物材料	
最大縫速	2000 轉/每分鐘	
最大縫目	前進: 8mm 倒縫: 8mm	
機針規格	DP*17#22(DB*1#22)	
押腳提升	手動提升: 6mm 膝動提升: 16mm	
注 油	機油(白矽油)	

Usage	Bags, Shoes, Medium-weight materials.
Sewing speed	Max 2000s. p. m
Stitch length	Forward stitch:8mm, Reverse stitch:8mm
Needle	DP×17 #22 (DB×1 #22)
Lift of presser foot	Hand lifter:6 mm, Knee lifter:16 mm
Lubricating oil	Machine oil (white spindle oil)

1. 膝動押腳提升安裝

1. MOUNTING POSITION OF THE KNEE LIFTER

- 1).將膝動提升曲柄①,插入膝動提升杆軸②。
- 2).將膝動提升盤③, 裝置於膝動提升曲柄①。
- 1) Insert knee lifter crank (1) in the knee
- lifter shaft ② ② Attach knee lifter plate rod asm ③ to the knee lifter crank ()



2. 注油

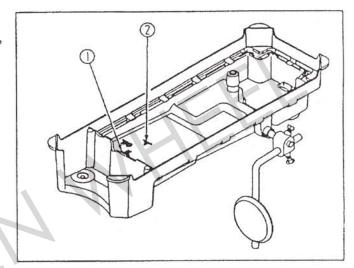
2. LUBRICATION

*注意: 進行此步驟時, 務必將電源關掉, 馬達確實停止轉動, 以避免不必要之危險!

CAUTION

TURN THE SWITCH OFF THE POWER SUPPLY TO PREVENT FROM UNE
-XPECTED INJURY. BE SURE TO CONFIRM THE STOP OF ROTATION
OF THE MOTOR BEFORE OPERATIONS.

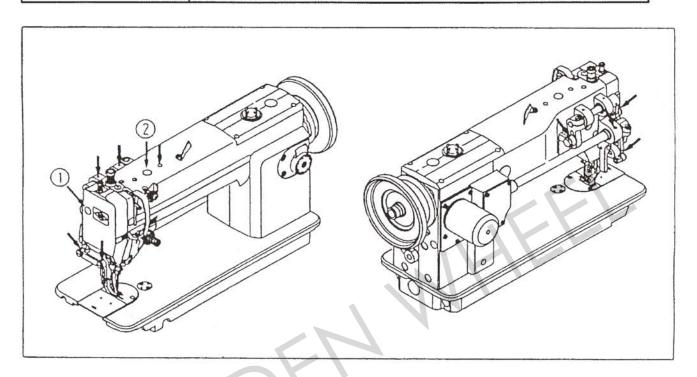
- 1).注油至刻度線 "H" 位置①。
- 2). 當油量下降至低刻度線 "L" ②位置時, 請重新注油。(使用油: 白砂油)
- 1) Fill oil up to marker line "H' 1). 2) When the oil level doops undermarker line "L" ②, refill it. (Using oil is white spindle oil)



*注意: 進行此步驟時, 務必將電源關掉, 馬達確實停止轉動, 以避免不必要之危險!

CAUTION

TURN THE SWITCH OFF THE POWER SUPPLY TO PREVENT FROM UNE -XPECTED INJURY. BE SURE TO CONFIRM THE STOP OF ROTATION OF THE MOTOR BEFORE OPERATIONS.



機台開始啓用前:

- 1). 操作期間, 請適度在箭頭所標示位置注油潤滑。
- 2). 上圖標示①及②處, 請先卸下橡皮油塞, 再充份注油至其下之注油孔。
- 3). 油盤注油, 油量不得低於最低部位, 否則縫紉機各部位就會出現進油停止, 造成發熱咬 死等情況, 機台安裝完成后, 請先依注油步驟完成潤滑動作, 並請稍等約10分鐘, 待油 完全滴入渗透全機,再啓動機器。

機台初使用或持續一段長時間未使用,再重新使用前請先在每一箭頭記號注油孔處,滴 2~3滴油潤滑,並保持早、午各一次做基本保養潤滑動作。

Before starting the machine,

- 1) Prior to operation, be sure to properly lubricate the points marked with the arrows.
- 2 At 1 and 2, please lubricate the oil braid under the rubber plug
- 3) Supply the oil to the tank of bed

Full oil up to the line when the oil would come bottom level.

When oiling all sections requirring lubrication, after installation of the machine has been completed, wait for a while (approximately 10 minutes) so that oil can penetrate each section sufficiently before starting continuous operation

When starting the machine initially and after kept away for a long time without using at all, apply two or three drops of oil each section noted with an arrow mark, and to opera -te the machine continuosly, apply two or three drops of oil each section whenever starti -ng operation in the morning and in the afternoon

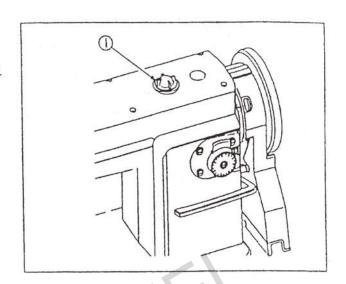


3. 潤滑情況

3. LUBRICATION CONDITION

操作機台時,察看油槽窗口①内之油,是否呈 現四處散開狀。

1) Operate the sewing machine, and confirm the scattering oil at an oily window (1). spread around the state show.



4. 旋梭油量調節

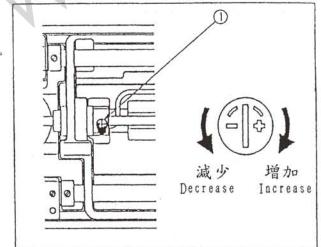
4. REFUELING ADJUSTMENT OF THE HOOK

- 旋梭的油量,可以用油量調節螺釘①加以調節。 1).順時鐘方向("+"號方向)轉動油量調節螺 釘①,則油量增多;逆時鐘方向("-"號 方向)轉動油量調節螺釘①,則油量減少。
 - * 注意: 在調整過油量調節螺釘①並重新運轉 約30秒后, 請確認有從旋梭噴撒出油。

If it is necessary to change the amount of oil supplied to the hook, adjust it using knob (1).

1) Turn the knob clockwise (in direction '+') to increase the oil supplied or turn it counterclockwise (in direction'-') to decrease it.

Attension: After adjusting the knob and noload running more than 30 seconds, confirm oil which sca -tters from the hook



5. 皮帶防護罩及卷線器之安裝

5. INSTALLING THE BELT COVER AND BOBBIN WINDER

*注意: 進行此步驟時, 務必將電源關掉, 馬達確實停止轉動, 以避免不必要之危險!

ACAUTION

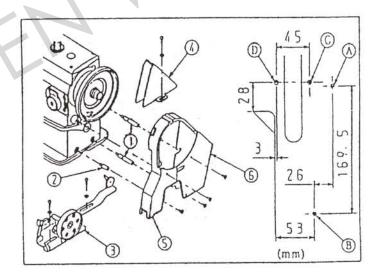
TURN THE SWITCH OFF THE POWER SUPPLY TO PREVENT FROM UNE -XPECTED INJURY. BE SURE TO CONFIRM THE STOP OF ROTATION OF THE MOTOR BEFORE OPERATIONS.

安裝步骤:

- 1). 如圖所示 A、B、C、D 的位置, 在抬板上鑽木螺絲孔。
- 2). 將支撐皮帶蓋之螺釘①、②插入機殼上 之栓孔。
- 3). 調整好卷線器③之位置后, 並用木螺絲 將之固定鎖在桌板 A、B 孔位置。
- 4). 將皮帶護蓋C④部位鎖在桌板 ©、 ® 孔 位置。
- 5). 將皮帶護蓋A⑤、B⑥部位, 插入支撐螺釘 ①、②之上。
- 6). 將皮帶護蓋C④位置調整好, 用木螺絲將 之鎖緊固定。

(Installing procedure)

- 1) Perforate the woodscrew's guide hole (A), (B), (C), (D) on the table.
- 2) Insert belt cover support ①, ② in the tapped hole in the machine arm
- 3) Adjust position of the bobbin winder (3) and fix it to guide hole (A), (B) with woodscrews.
- 4) Temporary tight belt cover C 4 in the guide hole ©, D.
- 5) Fit belt cover A (5) and belt cover B (6) onto the support (1), (2).
- 6) Adjust position of the belt cover C 4, fixing it with woodscrews.



6. 機針之安裝

6. ATTACHING THE NEEDLE

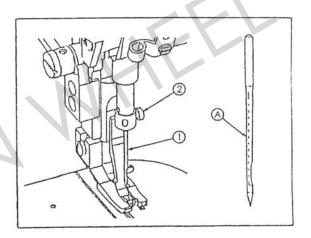
*注意: 進行此步驟時, 務必將電源關掉, 馬達確實停止轉動, 以避免不必要之危險!

CAUTION

TURN THE SWITCH OFF THE POWER SUPPLY TO PREVENT FROM UNE -XPECTED INJURY. BE SURE TO CONFIRM THE STOP OF ROTATION OF THE MOTOR BEFORE OPERATIONS.

★機針標準規格使用DP*17

- 1). 轉動機頭上輪, 使針棒提升至其頂點位置。
- 2). 旋松鎖針螺絲②, 將機針①的長凹槽面函 朝向左方。
- 3). 將針柄插入針杆下部的針孔内之最底端。
- 4). 旋緊鎖針螺絲②, 固定機針即可。
- ★ The standard needle is DP×17, however, a DB×1 may also be used
- Turn the handwheel to move the needle bar up to its highest position
- 2) Loosen needle setscrew Q, and hold need -le ① so that long groove A faces exact -ly to the left.
- 3) Insert the needle into the needle bar untill it will go no further.
- 4) Tighten the screw, fixed the needle.

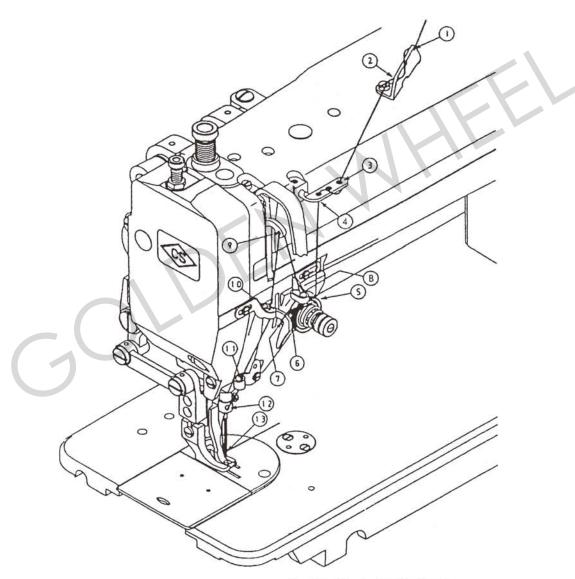


7. 面線之穿法

7. THREADING THE MACHINE HEAD

*注意: 進行此步驟時, 務必將電源關掉, 馬達確實停止轉動, 以避免不必要之危險!

TURN THE SWITCH OFF THE POWER SUPPLY TO PREVENT FROM UNE -XPECTED INJURY. BE SURE TO CONFIRM THE STOP OF ROTATION OF THE MOTOR BEFORE OPERATIONS.



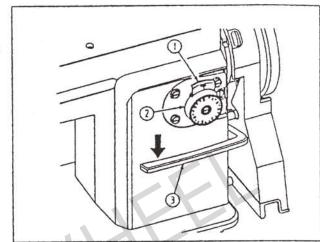
如圖所示步驟穿線 Thread the machine head as illustrated.



8. 縫目的調整

8. ADJUSTING THE STITCH LENGTH

- 1). 縫目的長短,可以用轉動縫目數字盤② 來調節,數字盤上數字表示縫目長短尺寸,以mm為單位。用手先壓按住停止板 ①,再轉動縫目數字盤②上的數字至所 須縫目,對準停止板①中心位置后,將手放開。
- 1) The length of the stitch can be adjusted by tunning the number plate 2, figures on the number plate show the size of the stitch length, in mm units. Hold down the stop plate 1 by hand, then turn the stitch number plate 2 number to the desired stitch. When the stop plate to the center aligned position, hands off.



★ 如何倒針送料:

- 1). 將倒縫杆③向下壓, 即可進行倒縫。
- 2). 要持續倒縫工作時, 只需持續向下壓住倒縫杆③。
- 3). 放開倒縫杆③, 即恢複順向送料車縫。

O How to engage the reverse feed stitching

- 1) Push feed lever 3 down
- 2) The machine performs reverse feed stitc -ing as long as the lever is held depressed.
- 3) The moment you release to lever, the machine resumes the normal stitching mode.



9. 縫線張力調整

9. THREAD TENSION

*注意: 進行此步驟時, 務必將電源關掉, 馬達確實停止轉動, 以避免不必要之危險!

CAUTION

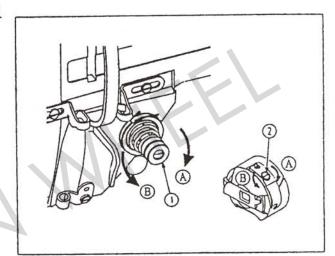
TURN THE SWITCH OFF THE POWER SUPPLY TO PREVENT FROM UNE -XPECTED INJURY. BE SURE TO CONFIRM THE STOP OF ROTATION OF THE MOTOR BEFORE OPERATIONS.

★上線張力的調節

- 1). 轉動沙拉組螺帽①,以順時鐘方向(朝 ® 方向)旋轉,則上線張力增加。 以逆時鐘方向(朝 ® 方向)旋轉,則上線 張力減小。
- O Adjusting the needle thread tension
 1) Turn tension nut ① clockwise (toward A) increases the needle thread tension Turning it counterclockwise (toward B) decreases the tension

★底線張力的調節

- 1). 依順時鐘方向(朝 @)轉動張力螺絲②, 則底線張力增加。依逆時鐘方向(朝 ®) 轉動張力螺帽②,則底線張力減小。
- O Adjusting the bobbin thread tension
- 1) Turning tension screw ② clockwise (toward A) increases the bobbin thread tension Turning it counterclockwise (toward B) decreases the tension



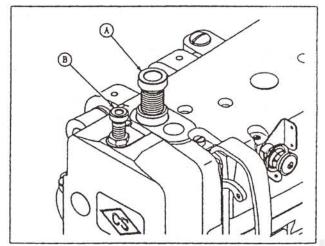
10. 押腳壓力調整

10. PRESSURES OF THE PRESSER FOOT AND WALKING FOOT

1). 依據縫製物料的種類厚度來調整內外押 腳之壓力。

轉動壓力調節螺帽 (A), 調節外押腳之壓力。 轉動壓力調節螺帽 (B), 調節內押腳之壓力。 縫製厚物時, 順時鐘方向旋轉, 壓力加大。 縫製薄物時, 逆時鐘方向旋轉, 壓力減小。 押腳之壓力, 以能正常推送縫料爲宜, 且 二押腳間之壓力應調至最小差距爲適當。

- The pressures of presser foot @ and walking foot @ can be adjusted according to the type of materials.
- ¾ It is advisable to minimize the pressures
 of both feet.

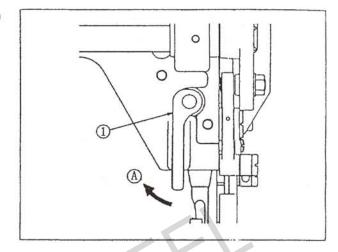




11. 押腳的提升

11. LIFTING THE PRESSER FOOT

- 1). 將提升杆①朝順時鐘方向(朝 A) 方向) 扳動, 則押腳提升。



12. 送布牙的高度調整

12. HEIGHT OF THE FEED DOG

*注意: 進行此步驟時, 務必將電源關掉, 馬達確實停止轉動, 以避免不必要之危險!



TURN THE SWITCH OFF THE POWER SUPPLY TO PREVENT FROM UNE -XPECTED INJURY. BE SURE TO CONFIRM THE STOP OF ROTATION OF THE MOTOR BEFORE OPERATIONS.

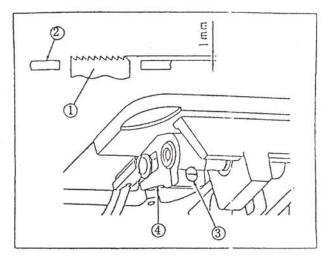
當送布量最大,送布牙的前端齒面靠進針板面槽前 側時,送布牙①齒面前端與針板②槽前側的問距爲 lmm,這是標準的送布牙安裝位置。

當因縫製規格需求,或因更換送布牙因素, 須重新調整送布牙之高度時請由圖示位置調整:

- 1). 松開牙架固定螺絲③。
- 移動送料牙架杆④,上下移動以調節其間隙位置,調節好后,再將螺絲③鎖緊即可。

Feed dog ① is factory-adjusted to jut out 1. Omm from the surface of throat plate ②. When the feed dog height needs to be adju-sted according to the sewing specificati-ons or after the feed dog is replaced, do as follows:

- 1) Loosen the screw 3.
- Move the feed bar (4) up or down to perf -orm adjustment, then securely tighten the screw





13. 送布牙坡度的調整

13. SLOPE ADJUSTMENT OF THE FEED DOG

*注意: 進行此步驟時, 務必將電源關掉, 馬達確實停止轉動, 以避免不必要之危險!

ACAUTION

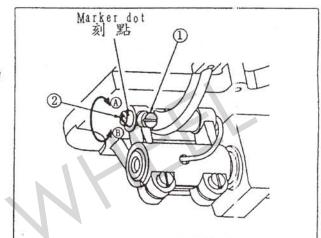
TURN THE SWITCH OFF THE POWER SUPPLY TO PREVENT FROM UNE -XPECTED INJURY. BE SURE TO CONFIRM THE STOP OF ROTATION OF THE MOTOR BEFORE OPERATIONS.

因縫製物規格需求,送布齒坡度需調整時,請由圖示位置調整:

- 1). 松開牙架曲柄(土台)螺絲①。
- 2). 將牙架曲柄之杆軸②, 依順時鐘(朝A)方向 或逆時鐘(朝B)方向轉動來調整。
- 3). 調整好后, 再將螺絲①鎖緊固定。

When the feed dog slope needs to be adjus -ted according to the sewing specifications do as follows:

- 1) Loosen screw ().
- 2) Turn the feed bar shaft @ clockwise (to -ward A) or counterclockwise (toward B).
- 3) Then securely tighten the screw.



牙架曲柄杆軸記號點位置	送布牙
marker dot position of feed bar shaft	feed dog
標準	標準
standard	standard
上方 upside	Tunn
下方 underside	tunni



14. 前/倒縫縫目比率調整

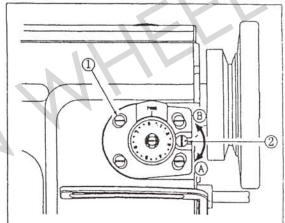
14. FORWARD/REVERSE SEAM RATIO

*注意:進行此步驟時,務必將電源關掉,馬達確實停止轉動,以避免不必要之危險!

CAUTION

TURN THE SWITCH OFF THE POWER SUPPLY TO PREVENT FROM UNE
-XPECTED INJURY. BE SURE TO CONFIRM THE STOP OF ROTATION
OF THE MOTOR BEFORE OPERATIONS.

- 1). 旋松四個螺絲①。
- 2). 使用螺絲起子轉動偏心插鎖②, 以順時鐘 (朝A) 方向轉動,可以增加前縫(順向車縫)縫 目長度。
- 3). 使用螺絲起子轉動偏心插鎖②, 以逆時鐘 (朝B) 方向轉動、則前縫縫目長度減小。
- 4). 調整好后, 再將螺絲①鎖緊。
- 1) Loosen four screws 1).
- 2) When increasing the forward stitch leng -th turn the eccentric pin 2 clockwise (toward(A)) using a screwdriver.
- 3) When decreasing the forward stitch leng -th, turn the eccentric pin 2 counter
- -clockwise (toward ®) using a screwdriver
- 4) Then securely tighten the screws.



15. 内外押腳的調節

15. ADJUSTING THE WALKING FOOT AND THE PRESSER FOOT

*注意: 進行此步驟時, 務必將電源關掉, 馬達確實停止轉動, 以避免不必要之危險!

CAUTION

TURN THE SWITCH OFF THE POWER SUPPLY TO PREVENT FROM UNE -XPECTED INJURY. BE SURE TO CONFIRM THE STOP OF ROTATION OF THE MOTOR BEFORE OPERATIONS.

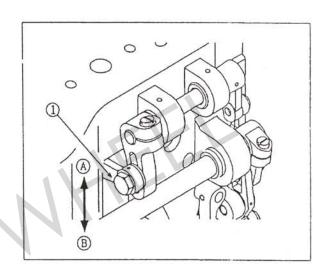
(1).内外押腳提升量的調整

當進行薄物料之車縫時,壓腳上下運動的壓力,應該調整至最低限度。在縫製過程中,要改變內外押腳之提升量,其調節方法如下: 先將偏心輪連杆螺帽①旋松,然后調整偏心輪連杆凸起部位的位置:

朝上 (A) 方向………上下移動提升量將增加 (最高5mm),

朝下 ® 方向………上下移動提升量將減少 (最低2mm)。

調整好后, 將螺帽鎖緊, 並慢慢轉動上輪, 檢查有無碰 撞現象, 一切正常后, 方可使用。



(1). HEIGHT OF THE WALKING FOOT AND PRESSER FOOT

When sewing a thin fabric, the up and down movement should be adjusted at minimum. To adjust, loosen the nut ①, and shift the position of crank rod boss.

upward (A) ···· the up and down movement will increase. (max, 5 m m)

downward (B) ····the up and down movement will decrease. (min 2 m m)

After adjustment, tighter the nut and slowly turn the upper rund to check whether the collision phenomenon, all normal, before use.



(2). 内外押腳交互垂直運動的調節

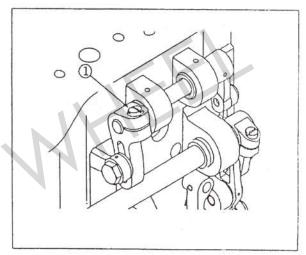
内外押腳的交互垂直沖程, 一般狀態是相等的, 在縫紉過程中,縫料的磨擦系數不同及縫紉工 藝的不同要求、外押腳的垂直沖程也許會被調 得比内押腳小一些, 調整方法如下:

- 1).轉動機頭上輪、將押腳高度從針板上提升一些。
- 2).旋松螺絲①。
- 3).押腳因彈簧的力量,降落到針板上,然后將螺 絲①、就其現在位置將之鎖緊。

(2). ALTERNATE VERTICAL MOTIONS OF THE WALKING FOOT AND THE PRESSER FOOT

The alternate vertical strokes of walking foot and presser foot are normally equal. Dpending on the type of materials, however the vertical stroke of the presser foot may be set smaller than of walking foot Do as follows:

- 1) Turn the handwheel, raise the presser foot from throat plate a little.
- 7) Loosen screw ①.
- 3) The presser foot falls to the throat plate by power of the spring Then tighten screw (1) in its position



(3). 内押腳的送料點之調節

上、下送料是本產品的重要性能之一, 出廠設定值-上送料與下送料的比率為1:1 如有需要, 上送料量的調節方法如下:

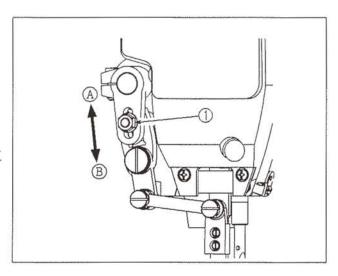
- 1).松開螺帽①。
- 2).移動上送料機構之押腳滑塊位置。
- 3).朝上 (A) 之方向移動 - 上送料量減小, 朝下 B 之方向移動 - - - 上送料量增加。
- 4).調節好后將螺帽①鎖緊。

(3). FEED PITCH OF THE WALKING FOOT

The ratio of the bottom feed to the top feed is factory-adjusted to 1:1. If necessa -ry, the top feed amount may be changed as follows:

1) Loosen nut ①, and move the slide block up (toward (A)) to decrease the feed pitch, or move it down (toward (B)) to increase the feed pitch

Lock the nut after adjustment.



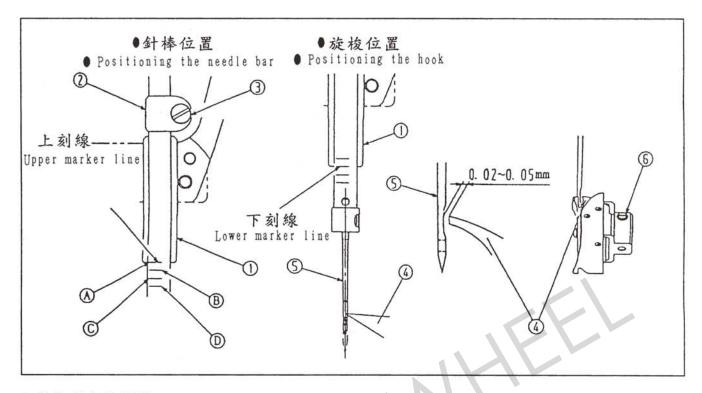
16. <u>針與旋梭的關系調整</u> 16. NEEDLE-TO-HOOK RELATIONSHIP

*注意: 進行此步驟時, 務必將電源關掉, 馬達確實停止轉動, 以避免不必要之危險!

CAUTION

TURN THE SWITCH OFF THE POWER SUPPLY TO PREVENT FROM UNE-XPECTED INJURY. BE SURE TO CONFIRM THE STOP OF ROTATION OF THE MOTOR BEFORE OPERATIONS.





★針棒高度的調整

轉動機頭上輪,使針棒下降至其下最低位置,卸下面板蓋,旋松針棒束套螺絲③,調整針 棒位置(從底部算上來第四條刻線 @ 位置,使用DB*1車針規格),或從底部算上來第二 條刻線 © 位置,使用DP*17車針規格),依使用機針規格指定之針棒刻線與針棒下軸套管 ①之底端對準, 然后將針棒束套②之螺絲③鎖緊。

O Set the needle bar at the proper height first as follows:

1) Bring the needle bar down to its lowest position, and adjust so that specified mar -ker line (the 4th line & from the bottom for a DBx1 needle, or the 2nd line @ fro -m the bottom for a DPx17 needle) on the needle bar aligns with the botom end of needle bar lower bushing (), then tighten screw (3) of needle bar clamp (2)

★機針與旋梭的同步調整

旋梭與機針之間的相互運動關系, 對縫紉性能的影響很大, 標準的同步關系是: 用手轉動上輪,使機針向下運動到最低位置后再向上回升2.5mm,這時旋梭勾線尖④,應 與機針⑤的中心線一致, 在此位置時, 勾線尖應高於機針線孔上邊約1.2mm。

在調節旋梭的同步關系時、要注意旋梭勾線尖④與機針的側面間隙、機針⑤的缺口、底部 與旋梭勾線尖④的問系為0.02~0.05mm。

旋梭位置的調整, 將針板移開, 從針板側面位置, 使用螺絲起子旋松旋梭固定螺絲⑥, 調 整好后再將螺絲鎖緊⑥即可.

O Adjust the timing between the needle and the hook as follows:

- 2) Adjust so that the specified marker line (the 3rd line ® from the bottom for a DBX -1 needle, or line Dat the bottom for a DPx17 needle) on the ascending needle bar aligns with the bottom end of lower bushing (). Further adjust to make hook poin -t @ nearly meet the center of needle 6, then tighten hook setscrews 6.
- 3) Adjust the clearance between needle (5) and hook point (4) to 0,02 to 0,05mm
- 4) To adjust the hook remove the throat plate, and loosen hook setscrews (6) from the throat plate side, using a screwdriver.



17. 送料時間的調整

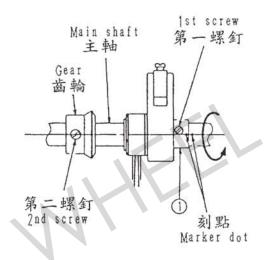
17, FEED TIMING

*注意: 進行此步驟時, 務必將電源關掉, 馬達確實停止轉動, 以避免不必要之危險!

TURN THE SWITCH OFF THE POWER SUPPLY TO PREVENT FROM UNE -XPECTED INJURY. BE SURE TO CONFIRM THE STOP OF ROTATION OF THE MOTOR BEFORE OPERATIONS.

如圖所示, 為送料凸輪及傳動凸輪之標準位置。 1).移動頂蓋,改變送料凸輪①的位置,可調節 送料時間。

It is the standard position of feed cam and driving cam as illustrated 1) Remove a top cover, and change the position of feed cam 1. In that case, the feed time can be adjusted.



18. 問題與處理方式

問 題	原 因	解決方法
1. 斷線 (線磨斷或磨損) (針線仍有2~3公分 長度留在物料的錯誤 一方	①過線道,針尖、梭頭勾線尖端或梭殼定位舌尖有損傷。 ②上線張力太高。 ③針撞擊到旋梭的勾線尖。 ④旋梭油量潤滑不充分。 ⑤上線張力太低。 ⑥調線簧的沖程太小,以致調線簧之張力太高。 ⑦針與旋梭相對應時間太早或太晚。	*用細砂紙將梭頭尖端之磨損予 以磨除,內釜定位舌尖予以拋 是整理。 *調整題,在適當 *請參閱#16說明,請參閱#4 於關當地量調節。 *適當整潤滑油,請參閱#4 於調整調節。 *適當整理, 養體, 養體, 養體, 養體, 養體, 養體, 養體, 養體,
2. 跳針	①針與旋梭勾線尖之間隙太大。 ②針與旋梭相對應時間太早或 太晚。 ③押腳壓力太低。 ④針眼孔頂端與梭頭尖端之間 距不正確。 ⑤機針規格錯誤。 ⑥使用化學纖維線或細線。	*請參閱#16説明,機針與旋梭的關系。 *請參閱#16説明,機針與旋梭的關系。 *加強押腳之壓力。 *請參閱#16説明,機針與旋梭的關系。 *將機針換為"大一號"規格。 *以等級較厚的針替代。 *針線繞請依圖示。
3. 縫目松弛	①底線未穿過梭殼夾線片彈簧的V型槽。 ②線道的磨光處理不良。 ③梭子的運轉不平順。 ④底線張力太小。 ③梭子底線繞得太緊。	* 須正確的穿底線。 * 用細砂紙做抛光處理。 * 更換梭子或旋梭。 * 增強底線張力至適當。 * 減少梭子底線的繞線張力。

18. TROUBLE AND CORRECTIVE MEASURES

Trouble	Cauae	Corrective measures
1. Thread breakage	1 The thread path, needle point, hoo	O Remove the scratches on the hook
(Thread frays or	-k point or bobbin case positioning	point using a fine sand paper. Buff
wears out.)	finger has scratches.	the bobbin case positioning finger.
1100-1000 a-1-50000000 1500000	The needle thread tension is too	O Properly adjust the needle thread
	high	tension
	3 The needle hits the hook point.	O See'16 NEEDLE-TO-HOOK RELATION SHIP'.
	@ Lubrication to hook is inadequate.	O Properly adjust the lubrication
		See'4 REFUELING ADJUSTMENT OF THE HOOK'.
Needle thread	The needle thread tension is too	O Properly adjust the needle thread
remains2 to 3 cm	[[[[tension
	6 The thread take-up spring has an	O Decrease the tension, and increase
of the cloth,)	excessively high tension while it	the stroke.
	has an excessively small stroke.	
	The timing between the needle and	O See'16 NEEDLE-TO-HOOK RELATION SHIP'.
	hook is too early or late.	0 0.1 10 1000
2. Stitch skipping	The clearance between the needle	O See'16 NEEDLE-TO-HOOK RELATION SHIP'.
5 0	hook point and the is too large,	
	The timing between the needle and	O See'16 NEEDLE-TO-HOOK RELATION SHIP!
	hook is too early or late,	
		O Increase the presser foot pressure,
	1 ow.	
	@ The clearance between the top edge	O See'16 NEEDLE-TO-HOOK RELATION SHIP'.
	of the needle eyelet and the hook	
	point is not correct.	III Xi I
	5 The size of the needle is wrong.	O Replace the needle by one
	6 A synthetic fiber thread or thin	which one grade thicker.
	thread is used	O Wind the thread round the
		needle as illustrated VI VI
3 Loose stitches	1 The thread has not been the passed	O Properly thread the bobbin case.
	the through notch of the bobbin ca	
	-se tension spring	
	The thread path is poorly finished.	O Grind it using a fine sand paper
		of a buff.
	3 The bobbin does not rotate smooth	O Replace the bobbin or hook
	-1 y,	200
	4 The bobbin thread tension is too	O Properly adjust the tension
	low,	25 N
	The bobbin thead has been wound	O Decrease the bobbin thread winding
	too tight.	tension



啓翔股份有限公司 CHEE SIANG INDUSTRIAL CO.,LTD.

NO.32 WU CHUAN 7TH ROAD, WU KU INDUSTRIAL AREA, WU KU HSIANG 24248, TAIPEI HSIEN, TAIWAN.

