

為了避免機器故障及損壞,請先確定以 下事項: 1. 當您安裝好機器後,做第一次機器 操作前,請徹底清潔機器。

清除運送途中累積之灰塵及溢出之 油脂。

3. 確定電壓及馬達相數(單相或三相)安 裝正確。

4. 確定電源插頭正確地接上電源。

5. 當使用電壓與標示電壓不同時,請勿使用機器。

6.確定機器轉動方向是否正確。

lfunction or damage to this machine. After installing the machine, and before the first operation, please

> Clean all dust and overflowed oil hase (single or 3 phase) of motor

orrectly connected to the power Never use the machine when the local voltage type is different from the marked voltage on the nametag attached on the machine.

Confirm that the rotating direction of

the machine pulley is correct.

搬運縫紉機

縫纫機之搬運(圏5) 應按圖示用左手托住前機殼本體,右手撑 扶住底盤進行搬運

表示轉動方向。(圖3)

警告: 在操作或調整本書中所提到之各步 驟前,請先將電源關掉,以免因為 機器突然啟動造成之意外。

撒運時須穿著安全鞋

hold the fromt machine cover body, and

Moving the sewing machine (Fig.5)

MOVING THE SEWING MACHINE

Marning :
Before doing any opera

-護目鏡 Goggles

Indicates rotating direction.(Fig. 3)

警告標籤 WARNING TAG

· 安全防護裝置(圖2) I. Safety protection device (Fig. 2)

manual, please turn the power off to

. 確保使用者的安全,一定要鎖上皮帶護蓋

貼心使用者設計的照明機構,其採用不發 熱、壽命長之發光二極體LED燈具,讓使用

縫紉機的安裝位置

勿將該縫紉機置於設備附近,如電視機、 收音機或無線電話等,否則這些設備可能

應將繼紉機直接插入AC電源插座,如果 使用延長線,可能會造成操作故障。(圖

被纏紉機的電子干擾所影響。(圖6)

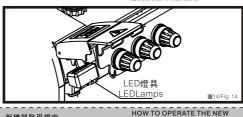
A thoughtful lightening equipment is designed for the operators. Non-heating and long life LED lamps are adopted so that the

THE INSTALLATION POSITION

near the equipments, such as Television

pments will experience elect ference. (Fig. 6)

X



新機器在最初啟用磨合期的四個星期內, 請用低於最高速度20%的速度運轉,之後 換上新潤滑油,才可運轉至最高速度。

定期之清潔保養,確保延長機器之使用壽

 Please operate this machine in 80% of the maximum speed in the first four weeks for engagement. After four weeks, please do not operate under the maximum speed intil replacing the new lubrication oil

LUBRICATION AND DRAINAGE

MACHINE

潤滑油之注入與更换____ 潤滑油之注入(圖15)) 將螺絲①旋開,以包裝箱內所附之超 高速潤滑油或彈用ESSO#32 (或

MOBIL#10)等相當之機油加入,使油 量指示桿位於油標上下之間即可,然

1, Fill the lubrication oil (Fig. 9)

oil, or choose ESSO#32 (or MOBIL #10) or equivalent. Tighten the screw 1) after the oil livel indicator locates between the two marking lines

 \oplus

4 環籍線凸輪控線関係(圖27) 調整線導致線環不穩定(鬆塌或成形不足)時。

Θ

(3) ○表示減少針線放線量

while sewing.
(3) ⊖means to have less t

REPLACE THE NEEDLE 換針方法

1. 使用DCX27或同規格之針。(圖28)

. 規格說明 機型 Model 700K/988 最高縫速 7500spm 82 分貝以了 噪音値 経 距 4/5/6 mm 針棒行程 24.3±0.2 mm 押具揚程 5.5 mm resser Foot Lif 押具壓力 5kg Presser Foot Pressu 送具高度(凸出針板面) 0.7~0.9 mm Feed Doe Height (over the need 使用針 Needle for Us 送具傳動方式 偏心輪・連桿 eed Dog Transm centric, Connecting Ro 没具齒實度 1.6 mm 経日調整装置 按鈕調整 押具装置 彈簧式、旋紐調整式 儲油槽儲存方式,毛氈、棉線毛細管自動供油 加油方式 Oil Filling 回油方式 偏心泵浦 Oil Return Solut 使用油 Oil for Use Provide Specific Oil (MOBIL #10)

安裝 INSTALLATION 注意CAUTION 請讓受過培訓的技術人員來安裝縫紉機。 Machine installation should solution

①下方。(圖9)

請委託購買商店電氣專業人員進行電氣配線。

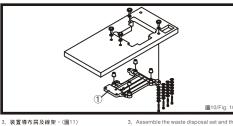
在安裝完成前,請不要連接電源,如果誤按啟動開關.縫紉機動作會導致受傷

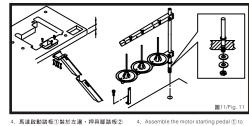
縫紉機頭倒下豎起時,請用雙手進行操作。單手操作時因縫紉機的重量萬一滑落 original position. If only using one hand, the weight of the machine head may b

1、縫紉機拆箱搬運過程中,不可扶持布蓋板 1、While moving the sewing machine afte

opening the box, please do not hold the below side of the cloth cover ①. (Fig. 9)

依本機所附卓板裁製圖及零件組合圖所列 2 Please refer to the attached table cut-out order. (Fig. 10)



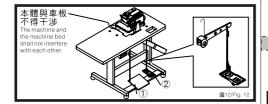


則裝於右邊。(圖12)

Thread Only

757

the left side, and the presser foot pedal 2 to the right side. (Fig. 12)



注意馬達之轉向為順時鐘方向,皮帶①之 鬆緊度以用手指向內壓下縮10 mm之緊度 為宜。皮帶輪②大小與車縫轉速請參照表 3及圖13

of the motor belt (1) is that the belt can be the size of the pulley ② and the sewing

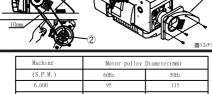


圖3/Table 3

ADJUST THREAD TENSION

線張力必須根據縫合布料種類,布料厚薄, 線及包邊寬度等之差異而做不同的調整。順 時針旋轉張力控制螺帽,縫線張力加大,反 之減弱。

)第一調整鈕①控制雙環針線或左邊拷 克線

(2) 第二調整鈕②控制包邊針線

(3) 第三調整鈕③控制上勾針線

(4) 第四調整鈕④控制下勾針線 (5) 第五調整鈕⑤控制雙環勾針線 creased.
Thread tension adjusting nuts (Fig. 23)

(1) The first adjusting nut ① controls
double chain stitch threads or the left over-lock needle thread. (2) The second adjusting nut (2) controls

The thread tension should be adjusted

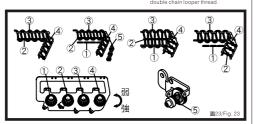
thickness of the materials, stitch length, and seam width, etc. In addition, adjust the nuts

clockwisely will increase the thread tension Otherwise the thread tension will be

case by case individually. Turn the nuts

(3) The third adjusting nut (3) controls the

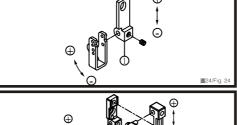
the lower looper thread.
(5) The fifth adjusting nut (5) controls the

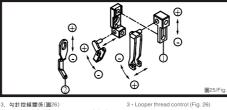


組件①移至最下端,縫合方式516時, 則將過線組①、②移至最上端。

1 to the lowest part. When the sewing type is 516, move the threading part ((2) (+)表示增加針線放線量 (3) (一)表示減少針線放線量

後再鎖緊螺絲①



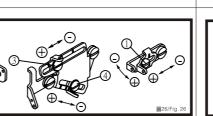


置。若縫合方式為505時,則移至⊖

and the upper looper is on the lowest point, adjust (1) and (2) at the position of (A). When the sewing type is 505, set the take-up ① and ② at the position of 〇.

(2) Adjust fixed thread guide plate ③ and

④ as the following: The direction ⊕ is for more thread in sewing seam, and the Odirection is



SPECIFICATION

Four types: 737, 747, 757, 767

516

the upper looper shaft before starting

operating a new machine or a long

Loosen the screw ① and drain all the oil inside the oil tank. Then, tighten the

screw (1) again.
(2) In order to extend the term of usage, please replace the oil after the first four week, and then replace it every

has equiped an oil filter. Please

disassemble and clean it every month,

as well as change it if needed. (Fig.

1. 外銷型號分類

① 表示線數

分737、 ②機種別

內銷型號分類

分3T、4T、5T、6T ②縫合方式(圖表1) 有504、512、514、 種型式

504

(2) 開箱新機器或久置未使用時,請在針

將螺絲①放鬆旋闡,使油構內的油完

(2)為延長本機器之壽命,請於開始使用 後四星期更換新油,爾後約每四個月 更換一次。

(3) 為延長北機器之壽命,特別裝有濾油

器之機構,請在每使用一個月後卸下 清洗乾淨,必要時得更換新品。 (圖17)

棒、上鉤針台等加油潤滑。

. 潤滑油之更換(圖16

全排出後再鎖緊。

512

514

編號 Code 包邊寬度 Seam Width

型式

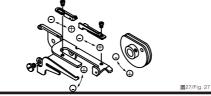
TYPE

圆形

④ 車級布料 F: 輕薄布料 L: 薄布料 M: 中厚布料 H: 厚布料

X: 特厚布料 ⑤ 送具型式 ⑥ 針寬 ⑦ 包邊寬度(表1)

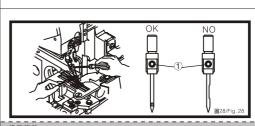
8 配件



1. Please use the needle DCX27 or the

將新針插至針孔最底端,並使針之長溝面 向自己,固定螺絲①。

as well as the long groove faces your side



edle cooling lubrication oil: SILICON

threading may cause thread breaking, stitch

skipping, puckering or unexpected sewing

the button after reaching the desired stitch

(Fig. 19~22)

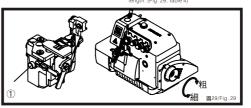
OIL. (Fig. 18)

換舞調整

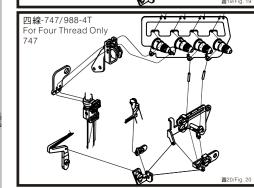
針之冷卻油 使用油:砂油(圖18)

請確實按照圖示穿線,錯誤之穿線將引起斷線、跳針及車縫不平坦...等現象。(圖

通常依縫合布料,差動比等之不同而調整。 持續壓下按鈕①並轉動皮帶輪使鈕卡住,再 轉動皮帶輪至所需之針距後放開此按鈕。(圖 Keep pressing the button ① and turn the 29,表4) pulley till the button is locked. Then, release



Shirring Serging 只有三線-737/988-37 or Three Thread Only 四線-747/988-4T For Four Thread Only



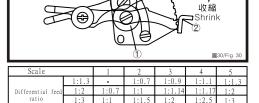
差動比調整 若主送具之運動行程大於差動送具運動行程 時,布料車縫時會伸張,反之則會收縮。

RATIO than the stroke of the differential feed dog the fabric will be extended while sewing Otherwise, it will be shrunk.

ADJUST THE DIFFERENTIAL FEED

調整方法一: 放鬆調整鈕①,當調整桿②向下調整時使 布料收縮,反之則伸張,調整後再鎖調整 鈕①。(圖30・表5)

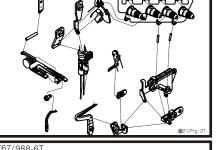
abric, whereas move it upward will exten the fabric. Tighten the adjusting nut ① after the adjustment finishs. (Fig.30.

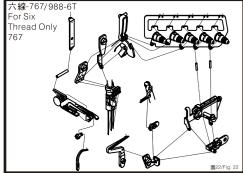


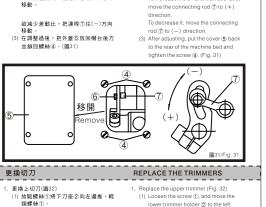
(1) 鬆開螺絲④,並從機台後方移開外蓋

(2) 鬆開螺帽⑥,上下移動連桿⑦

(1) Loosen the screw (4) and remove the cover (5) from the rear side of the (2) Loosen the nut (6), and move the







(2) 取下螺絲③,換上新刀片後,輕輕鎖 上螺絲③。

欲增加差動比,把連桿⑦往(+)方向 移動。

- (3) 轉動皮帶輪使上刀移至下死點,調整 上刀高低使上刀與下刀相交約0.5~1.0
- (4) 放鬆螺絲①,使下刀座還原位置,並 試驗上下刀能剪斷車縫線,鎖緊螺絲
- lower trimmer holder ② to the left.
 Then, tighten the screw ③ a little.
 Remove the screw ③ and put the ne
 trimmer. Then, tighten the screw a
 - trimmer to the lower dead point Adjust the height of the upper trimm so that the upper trimmer can cross
 - After that, tighten the screw (3). (4) Loosen the screw (1) and return the lower trimmer to its original position. Test if the upper and the lower trimm can cut the thread exactly, and then tighten the screw (1).

line of the left needle is 5.4~ 5.7 mm

the lower trimmer about 0.5~1.0 mm

2. 更換下切刀(圖32) (1) 放鬆螺絲①將下刀座②向左邊推,輕 鎖螺絲①。

- (2) 放鬆螺絲④,取下舊刀換上新刀。
- (3) 調整下刀之刀口與針板面平齊後,鎖 緊螺絲④。
- (4)放鬆螺絲①,使下刀座邊原位置,並 試驗上下刀能確實剪斷車縫線,銷緊 螺絲①。

1. 轉動皮帶輪,將上刀移至下死點。(圖33)

放鬆螺絲①,向左移動下刀座②後,暫時

放鬆螺絲③,移動上刀座向左或向右,直 到達到所要的包邊寬度後再鎖緊螺絲③。

放鬆螺絲①,使下刀座②位置還原,並測 試能切斷車縫線後,鎖緊螺絲①。

包邊寬度調整

- lower trimmer holder 2 to the left Then, tighten the screw (1) a little (2) Loosen the screw (4). Take off the
- plate. Then, tighten the screw (4). (4) Loosen the screw (1) to return the lower trimmer holder to its origina position and test if the upper and the

ADJUST THE HEM WIDTH

1 Turn the pulley to move the upper trimme to the lower dead point. (Fig. 33)
Loosen the screw ① and move the lower trimmer holder ② to the left, and then

tighten the screw (1) a little.
3. Loosen the screw (3), and move the upper

trimmer holder ② to its original po

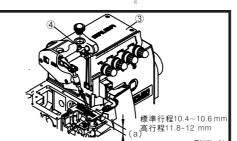
then tighten the screw (1).

trimmer holder (2) left or right till reaching

Test if the trimmers can cut the thread, and

ADJUST THE NEEDLE HEIGHT 針高度之調整

- 轉動皮帶輪使針上升至最高點時,針尖至 針板面之距離為(a)。(圖34)
- . , , , , , , , , , , , 。 (2) 放鬆螺絲④, 移動針棒至所需高度, 鎖緊螺絲④。
 - Then, tighten the screw (4) (3) Put the upper cover (3) back, and seal (3) 放回上蓋③,並且密合鎖緊



- to the surface of the needle plate when the needle is rised to the highest point after
- Loosen the screw (4), and move the needle bar to the desired height.

and right so that (3) can match (2) and (2) can move upward and down (4) To adjust to a proper pressure: turn the screw ① clockwise will increase (4) 調整適當壓力,螺絲①順時針方向旋 轉時,壓力加大,反之減弱。

押具調整

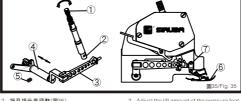
) 放鬆押且彈等壓力(1)及押且螺絲(7)。

(2) 移動押具⑥,使其押具槽與針板槽一致,使押具底平壓於針板上,鎖緊螺絲⑦。

(3) 放鬆螺絲⑤,左右移動④,使③與②

. 押具位置調整(圖35)





- 2. 押具提升量調整(圖36
- (1) 轉動皮帶輪使送具降至針板下,押具

ADJUST THE PRESSER FOOT

(1) Release the pressure spring (1) of t

groove of the presser foot can align

with the groove of the needle plate

Also, the buttom of the presser for can stand on the needle plate flatly, and then tighten the screw (7).

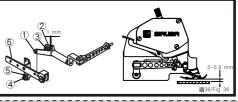
(3) Loosen the screw (5), and move (4) left

downward until the feed dog is unde plate flatly.

(2) 放鬆螺帽④,壓下拉桿⑥使押具上升 至適當位置約5.0~5.5 mm,調整螺絲 ⑤及固定螺帽④。

- (3) 拉桿①與固定座②須保持有1 mm的間 隊,可輕輕放鬆螺絲③調整

- rod (6) in order to rise the presser foot from the needle plate in about 5.0 -5.5 mm. Then, adjust the screw (5) and
- between the pull rod (1) and the fixed bracket (2), which can be adjusted by oosening the screw (3) slightly
- (4) After all the adjustm 送且水平調整(圖38)



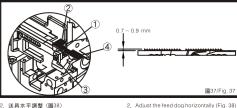
送具調整 ADJUST THE FEED DOG 送具高度調整(圖37)

(2) 放鬆螺絲①,上下移動主送具②,使 其齒面高出針板面約0.7~0.9mm,鎖 緊螺絲①。

轉動皮帶輪使送具上升至針板上最高

- (3) 放鬆螺絲③,上下移動差動送具④,
 - 使其齒面高出針板面約0.7~0.9mm
- 1. Adjust the feed dog height, (Fig. 37) (1) Rotate the pulley to rise the feed doo
- plate.
 (2) Loosen the screw ①, and move the main feed dog ② up and down in order to keep the teeth side over the eedle plate about 0.7~0.9 mm. Then tighten the screw (1).
- (3) Loosen the screw ③, and move the differential feed dog ④ up and dow in order to keep the teeth side over the needle plate about 0.7~0.9 mm. Then, tighten the screw (3).

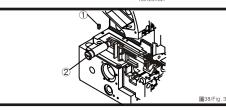
MAINTENANCE



送具齒的齒面在運轉的循環中,必須 保持針板面呈水平。

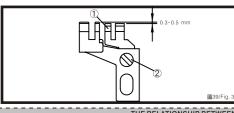
(2) 調整時放鬆螺絲①,旋轉後支軸②,

and rotate the rear support shaft (2). Do not tighten the screw (1) until the teeth side of the feed dog is



.輔助送布齒高度(圖39) 輔助送具①,其齒面比送布齒齒面低 0.3-0.5 mm,可放鬆螺絲②來調整

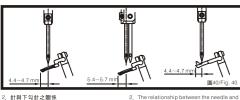
screw (2).



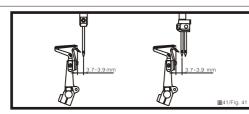
THE RELATIONSHIP BETWEEN 針與勾針之關係 NEEDLE AND LOOPER

針與上勾針之關係(圖40)

the upper looper. (Fig. 40) 當上勾針移至最左時,勾針尖端與針中心 距約4.4-4.7 mm,雙針時其左針中心與 勾針尖端距約5.4~5.7 mm。 leftest point, the distance from the loon. tip to the middle line of the needle is 4.4 ~ 4.7 mm. For double needles model, the



- (1) 當下勾針移至最左時,勾針尖端與針 中心距約3.7~3.9 mm (雙針時以左針 為主)。(圖41)
 - When the lower looper moves collected point, the distance between the looper tip and the middle line of the needle should be about 3.7~3.9 mm. distance is from the lower looper tip to the middle line of the left needle. (Fig.



(2) 當下勾針向右移至針中心時(雙針時 以左針為主),針與勾針之間隊為 0~0.05 mm。(圖42)

the middle line of the needle (use the left needle as standard when it's double needle model), the cleara between them should be 0-0.5 mr (Fig. 42)

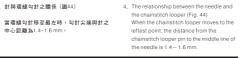
clearance point B is 0.2 mm

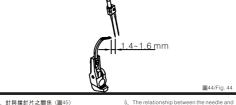


當上下勾針相交時,兩勾針盡量接近,但 不可摩擦或碰撞。其間除A點為0.5 mm。

and the lower looper. (Fig. 43) When the upper and the lower loope cross, keep them as close as possible Somehow, the loopers shall not eithe

, 針與環縫勾針之關係(圖44

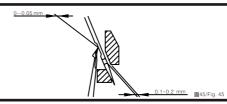




(1) 當下勾針由左向右至針中心時(轉針 時以左針為主),針與後攜針片之間隊

(2) 當針在下死點時,針與前擋針片之間

- the needle guard (Fig. 45) to right to the central line of the needle guard is 0 - 0.05 mm.
- (2) When the needle is at the lower dead point, the clearance between the 0.1-0.2 mm.



ADJUST THE CHAINSTITCH 環勾針運動量之調整 LOOPER MOVEMENT AMOUNT

環勾針之運動呈橢圓形,當針號數變動過大 時或有必要調整環勾針之前後運轉量a時,請 依照以下步驟調整。(圖46) changed needle number is too large, or the is necessary to adjust the front/rear movement amount a of the chainstitch loope

Loosen the screw (3) slightly.
 Turn the screw (2) to adjust.

Tighten the screw (3) after the adjust.
Then, seal the cover (1).

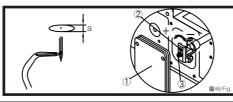
+ direction

1. 打開縫紉機背面的封蓋①

旋轉調整螺絲②。 向+方向轉動加大前後運動量

向-方向轉動減少前後運動量

調整後鎖緊螺絲③
 鎖緊封蓋①。



加潤滑油和黃油時,務必戴好保護眼鏡和手套,以防潤滑油進入眼中或沾在皮膚上, 引起發炎。 grease so that they do not get into your eyes or onto your skin, otherwise infla

注意CAUTION

清潔作業前,請切斷電源。當認論起動開關時,緩紉機動作易導致人員受傷 Turn off the power switch before sources

潤滑油或黃油不能飲用,否則將會引起輻吐和腹瀉,將油放在小孩拿不到的地方 Furthermore, do not drink or eat the oil nor the grapes for the

縫紉機頭倒下或豎起時,請以雙手進行操作

position. 單手操作時,因縫紉機的重量較重,萬一滑落易導致受傷。

(定期保養項目)(表	(Periodical Maintenance Items) (Table 6)
保養循環	保養項目
Maintenance Cycle	Maintenance Items
每天 Daily	1. 清潔途料具上之棉絮 1. Clean the lint on the feed dog. 2. 格本的原因不同国家公司修治,(由是大河统治、)。下现红本和园园园。
	 檢查油盤是否有足夠之液態油。(油量在油鏡之上、下兩紅漆記號間) Cheek if there has enough liquid oil inside the oil pan. (The amount should be between the red up and down paint mark of the oil level gauge.)
	 保持機器及操作台清潔 Keep the machine and the operation table clean.
	 保持電源外觀乾淨 Keep the power cords looking clean and neat.
	保持操作面板乾淨 Keep the operational panel clean
	 檢查電源零件是否鬆脫或在正確位置 Check if the power parts is loosening or still at the right position
每三個月	1. 更換油盤內之液態油
Quarterly	Change the liquid oil inside the oil pan
短年	1. 檢查傳動皮帶是否疲乏或毀損
Annually	 Check the transmission belt to see if it is weariful or damaged.

注意CAUTION ★ 在進行故障檢修查詢之前,請先臘閉電源並拔出電源,否則如果設觸啟動開闢,経経機會動作,易導致人身傷害。

machine will function and will probably cause injuries happened o operators.

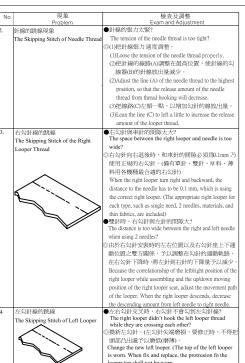
檢查及調整 | 線士温堅宓/駁苺 針線張力是否過大或過小? The tension of the needle thread is too loose or to tigh DOOD! 回整針線張力。 針線的跳線現象 ●車針的選擇不對? Select the needle and thread number match the fabri)換新車針 Change a new needle ■車針與左勾針尖端之間有間除? Any clearance between the needle and the top of the left looper? ②調整左勾針尖端與車針之間式 Adjust the distance from the top of the left looper to th needle to be ±0 ●張力調整小彈簧不起作用? The small spring of tension adjustment does not

1)小彈簧不起作用時,要把彈簧拉緊一點。(注意 拉太長則會發生斷線 1) If the small spring does not function, pull it to be more tightened, (Note) The broken thread will happen if pull the spring too tight 2)張力調整盤發生溝槽時,則須更換新調整盤 (2) If there is any groove existing on the tension adjusting plate, please change a new on

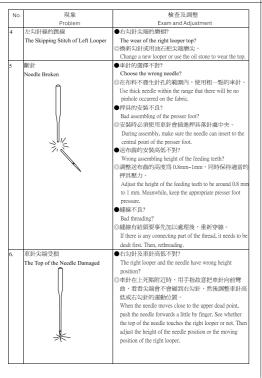
Problem 組止軸輪配合之滑塊配合不常 Cannot Separate the Thin and Thick Inappropriate match with the slide block of the stopper cam? (1)校正KP09D實度或應小KP06F實度 KP06F short. (2)更换 KP09D/KP06F 大聲、異聲 布板聲? 1) 調整螺絲適當位置 (2) 調整KB06E的NK26使布板蓋側蓋靠穩 Adjust Nk26 of KB06E to stablize the
 of the fabric plate cover 心軸鬆動出聲? The main shaft is loose and has noise 把大心上的銅套之銅面膠清除,重新調整 Clean the copper glue from the copper 用治具加壓泵浦齒輪,使運轉 3~5 分鐘即可 fixture to add pressure on the gear of the pump p the pump running 3-5 minutes. ●針棒鬆動? ●連桿上控制間除之固定勾鬆動、碰撞?

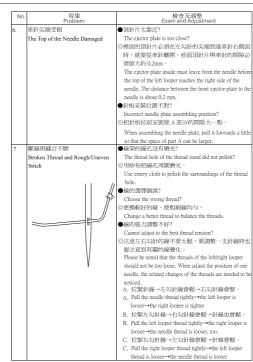
一醇、里醇 ad Noise, Strange Noise 校正布板蓋之側蓋的角度,使之不會撞到下勾鎖 Correct the angle of the side cover of the fabric placeover to keep it from the lower looper and the upper knife seat. 不能噴油 ●泵浦不出油? The oil does not come out from the pump? 0(1)重新鎖正確位置 (1)Relock it to the correct positio ▶機構不暗油? (2)換新濾油器 ●切刀不利? he Knife Is Not Shar

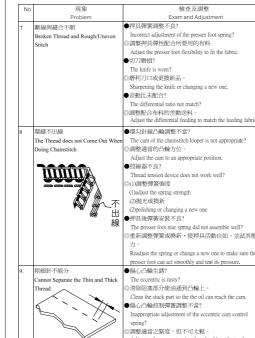
圖表2/Chart 2

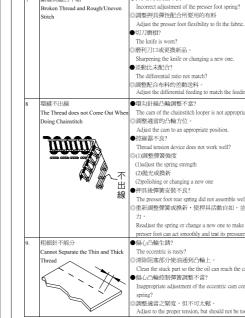


oper top shall not be worn.

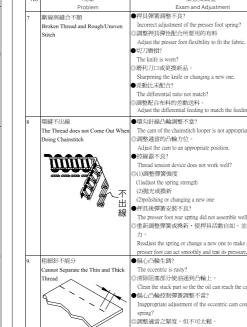


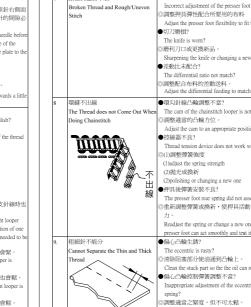


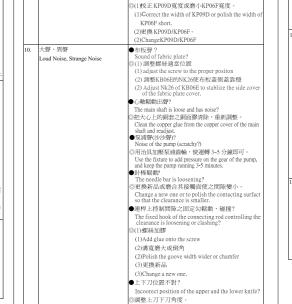












Adjust the angles of the upper and the lower knit

(2)重新組配泵浦中廢輪銀心軸位置 (2)Reassemble the gear of the pump to the main shaft and adjust the position. Upper mechenism does not splash the oil? (1)清除毛頭換新出油螺絲 (1)Clean the lints and change the oil releasing screw (2)Change a new filter (3)清除污穢的東西或擔新 (3)Clean the dirt or change a new one (4)用鐵絲清通油路 (4)Use the iron wire to clean through the oil path (1)磨利或更換新品 1)Polishtior change a new on (2)校正上下刀片座角度 (3)重新正確安裝(按基準調整安裝)