

700Q | Series

機電一體集成式包縫機



Outline

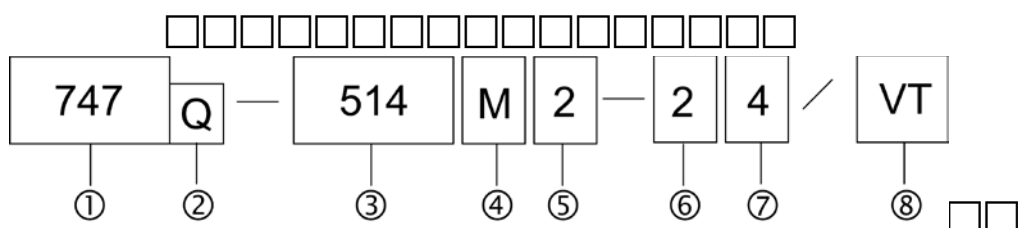
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|-------------------|-----------------------------------|
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機型規格說明

Model specification

一.種類及規格說明(Machine head specifications)

1. 型號分類表示(Description)



① 線數: 737 為 3 線、747 為 4 線、757 為 5 線、767 為 6 線

Thread Numbers: 3 for 737、4 for 747、5 for 757、6 for 767

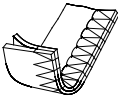
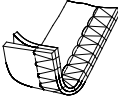
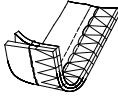
② 表示車台機構及外觀改良之區分編碼；

Distinguishing code for machine mechanism and improved appearance:

Q: 基本直驅

③ 縫合方式: 有 503, 504, 505, 512, 514, 516, 514+401 七種型式

Sewing types: There are five types 503, 504, 505, 512, 514, 516 and 514+401

型式 Type		型式 Type	
503		514	
504		516	
505		514+401	
512			

④ 車縫布料 (Sewing Material):

F	輕薄布料	Fine weight material
L	薄布料	Light weight material
M	中厚布料	Medium weight material
H	厚布	Heavy weight material

⑤ 送具型式 (Presser Foot Type)

1	標準第一型式	Standard first type
2	標準第二型式	Standard second type
3	標準第三型式	Standard third type
(M)4	標準第四型式	Standard fourth type
(H)4	摺景車用型式	for gathering sewing
(M)5	包線車用型式	for back latching seaming
7	車毛巾用型式	for towel sewing

⑥ 針寬 (Needle Width)

編號 Code	針距 Needle Length
0	單針 single stitch
1	1mm
2	2mm
3	3mm
5	5mm

⑦ 包邊寬度 (Seam Width)

編號 Code	包邊寬度 Seam Width
3	3mm
4	4mm
5	5mm
8	8mm

⑧ 搭配外掛多功能輔助件(Multi-function Attachment):

編碼 Code	用途 Purpose
BK	線頭包縫 Back latching seaming
BKS	半自動線頭包縫裝置 Back latching seaming
CT	水平式吸風切線裝置 Horizontal pneumatic type chain cutter (flat suction)
CTE	水平式自動吸風切線裝置 Horizontal pneumatic type automatic chain cutter
ECA	氣動切刀手自動兩用裝置 The air operated cuts the sword welder automatic dual purpose installment
ECB	電動式切刀手自動兩用裝置 Electromotive type cuts the sword welder automatic dual purpose installment
GA/GAP	摺景 Gathering
LF-A	電動式上送帶裝置 Electric type tape feeding & metering device
PS	口袋邊包縫裝置(一) Pocket sewing device (1)
TA	口袋邊包縫裝置雙勾針型(二) Pocket sewing device (2)
TG	肩帶包縫裝置 Tape guide
TR	鬆緊帶鬆緊控制裝置 Electric type elastic feeding device
TW	毛巾布邊裝置 Towel edging device
VT	垂直式吸風切線裝置 Vertical pneumatic type chain cutter (side suction)
VTE	垂直式自動吸風切線裝置 Vertical pneumatic type automatic chain cutter
WR	管狀布條車縫 Spaghetti sewing

700Q&700KD差異說明

700Q&700KD Difference Description

1.內藏式微型直驅伺服馬達:

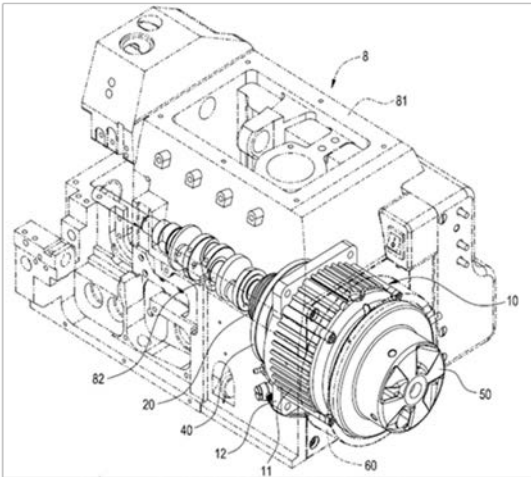
Built in Directly Driving Type Mini-Servo Motor

傳動敏捷，提升30%工作效率、高效節能50%、安靜噪音小，小型化設計，縮短空間，使整機更精緻更沉穩。

Drive agile, can arise working efficiency 30 % , highly save energy 50 %; quiet noise, miniaturized design. Saving more space and making the whole mechanism more exquisite and more stable.



700Q



2.背掛式迷你電控箱: Back hanging mini power control box:

內縮於機體內側，使整體配備輕量化，節省包裝及運輸成本

With being recessed inside the machine, make the whole mechanism lightweight to save the cost of packing and transportation.



3. 控速器: 如下圖, 其組裝方式與700KD不同

Speed Controller: As the following Fig. The assembly ways is different from 700KD.

700KD



700Q

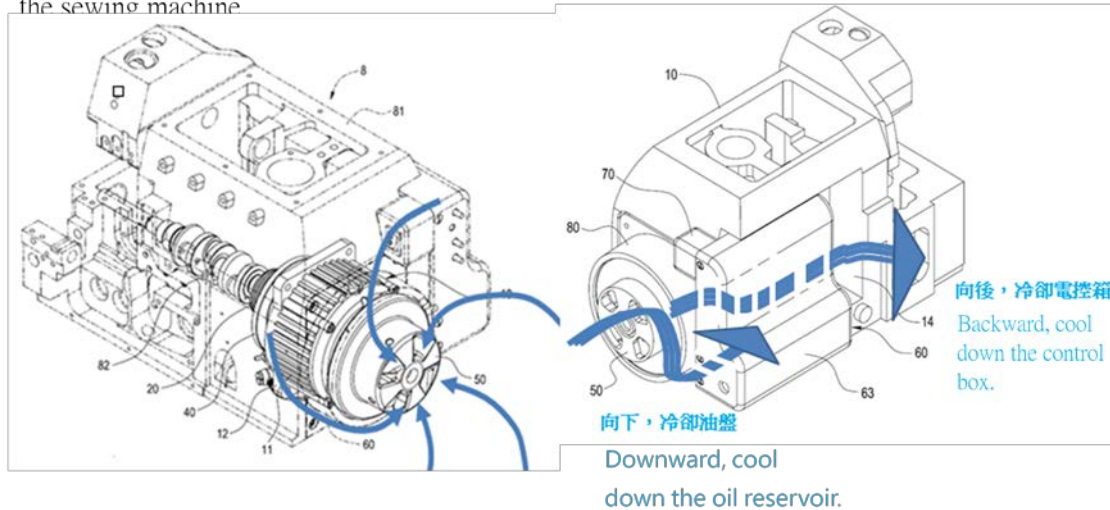


4. 風道導流系統優化設計:

Diversion duct system, the optimal design:

散熱效果佳, 增加縫紉機使用壽命

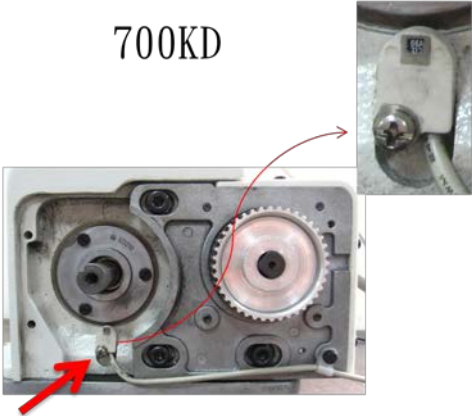
Being good at dissipating heat, it can increase the service life of the sewing machine



5. 內藏式定位器設計:

The design of the built-in locator:

700KD



成本高,組裝時容易損壞·定位效果不佳。
Cost highly but easily to be damaged during the assembly; poor positioning.

700Q



定位器內藏於馬達內,定位效果佳,使用壽命長。
The locator is built in the motor. Good positioning; the service life is longer.

6. 電源開關:

Power switch: 700KD



安裝於桌板下方·成本高·且需由客戶自行安裝·組裝費時。
Installed under the table; the cost is high and it is needed to be assembled by the customers themselves as well as the assembly is time-consuming.

700Q



設計整合於機台右上方·體積小·操作及目視容易·大大提昇操作者之便利性及安全。
The design integrated at the top right of the machine and the body is small for operating and watching easily; highly improved the convenience and safety for the users.

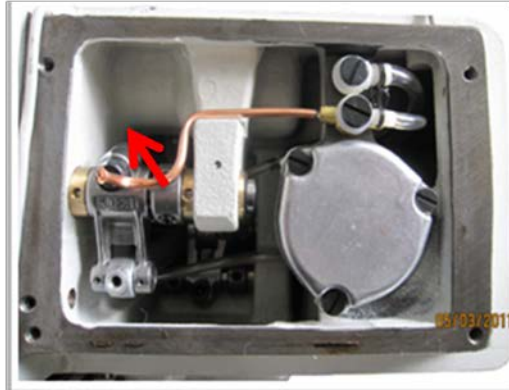
7. 油路一體化設計:

The integrated design of the oil line:

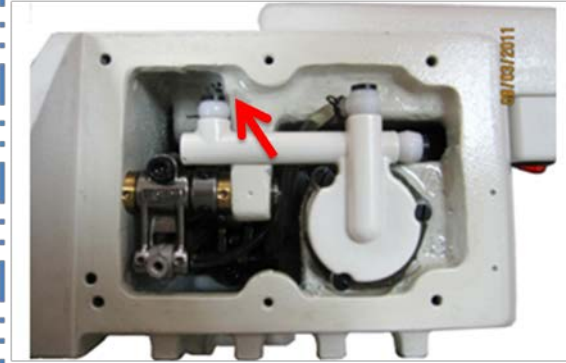
供油平穩 · 改善傳統潤滑問題

Providing the oil firmly, and improving the former lubrication problem.

700KD



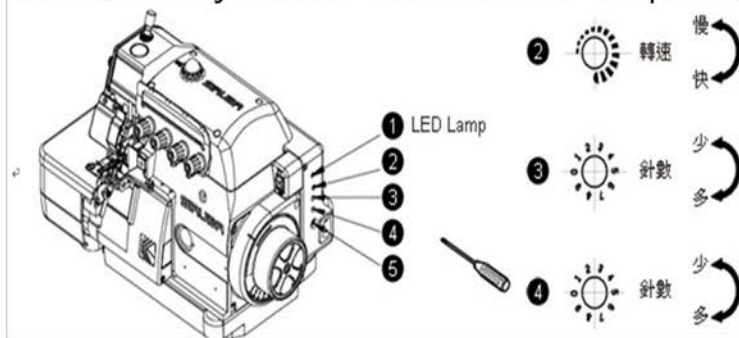
700Q



使用說明

Operation Illustration

電控箱調整說明: Adjustment illustration of the power control box:



1. 為LED燈,綠色燈表示控制器正常運作,紅燈表示控制器異常,閃燈原因,請詳閱故障檢修。

LED light: The green light presents the controller works normally; the red one means the control is abnormal. Refer to the troubleshooting to know the reason why the light is flashing.

2. 為速度調整旋鈕,可用一字起子調整,順時針調整時,縫速加快,反之變慢。

Speed adjustment knob: It can be adjusted by the slotted screwdriver; turn clockwise, the sewing speed becomes quicker, on the contrary, the sewing speed becomes slower.

3. 為前吸風針數調整旋鈕。

Front suction needle adjustment knob

4. 為後吸風針數調整旋鈕。

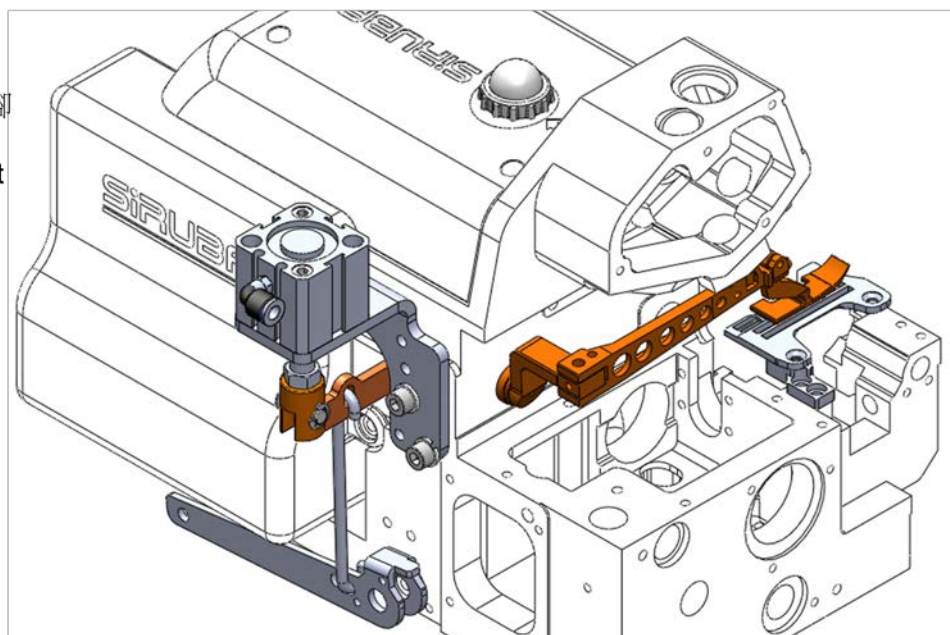
Back suction needle adjustment knob

5. 為控速器插座

Speed control socket

FLQ

氣動式抬壓腳
Pneumatic
Presser Foot
Lifter



BKS

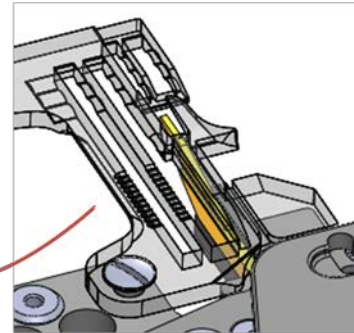
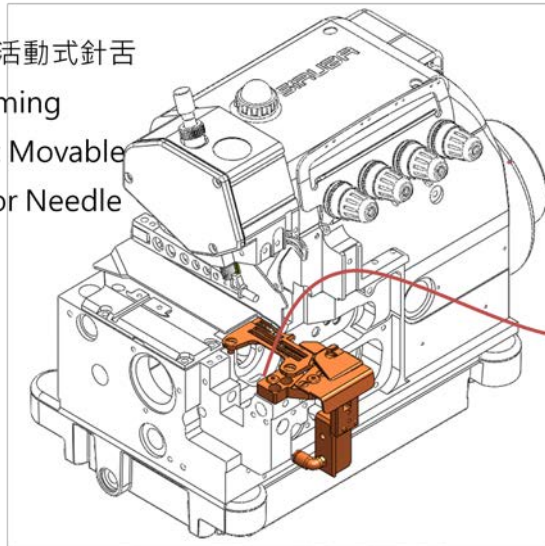
包縫結構:活動式針舌

Over Seaming

Structure: Movable

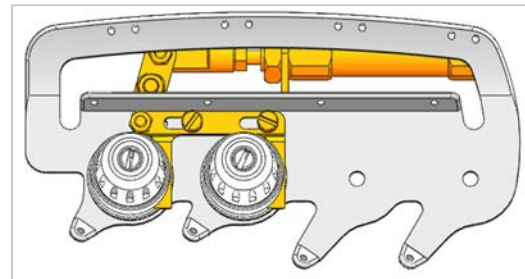
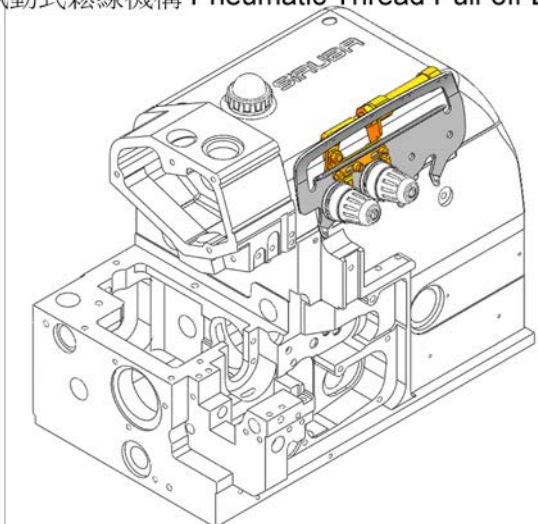
Tongue for Needle

Plate



BKS

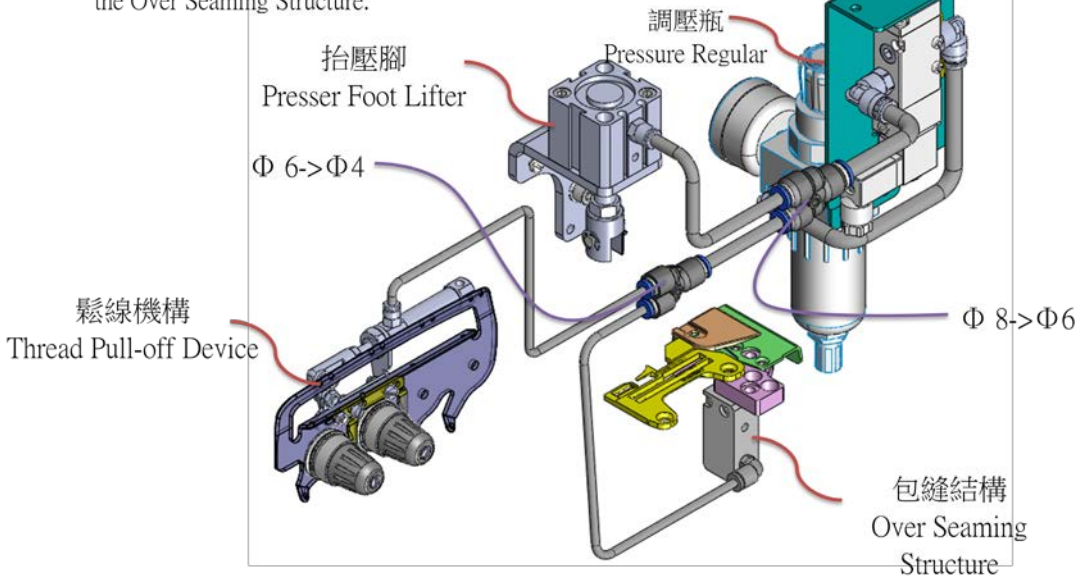
氣動式鬆線機構 Pneumatic Thread Pull-off Device



BKS

氣動式鬆線機構&包縫結構之空壓接管說明

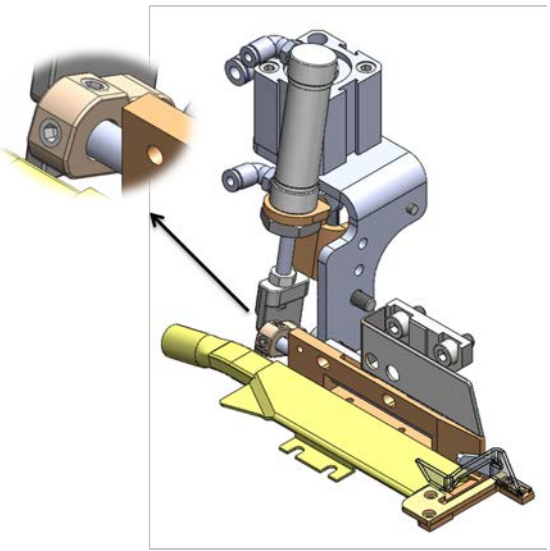
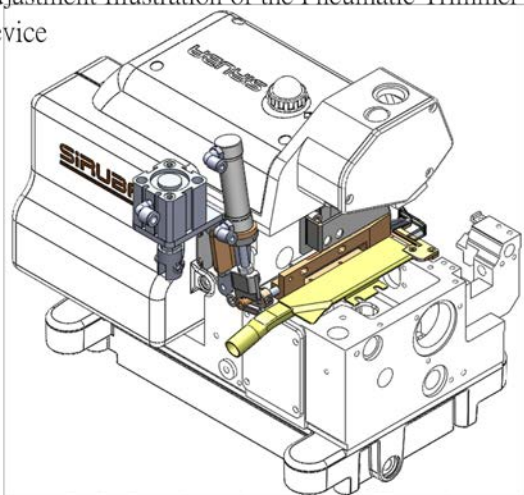
Illustration of the Pneumatic Thread Pull-off Device & the Tube in the Over Seaming Structure.



ECA

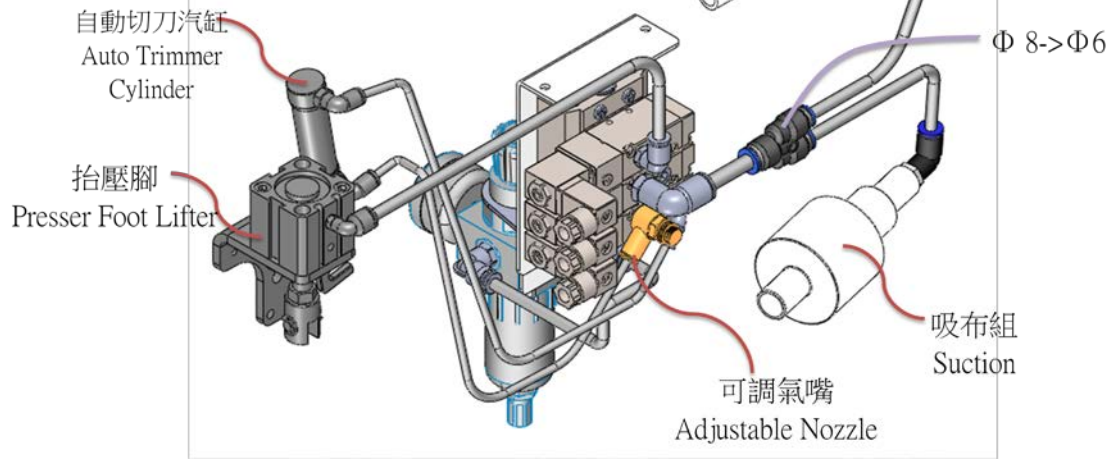
氣動式切線機構調整說明

Adjustment Illustration of the Pneumatic Trimmer Device



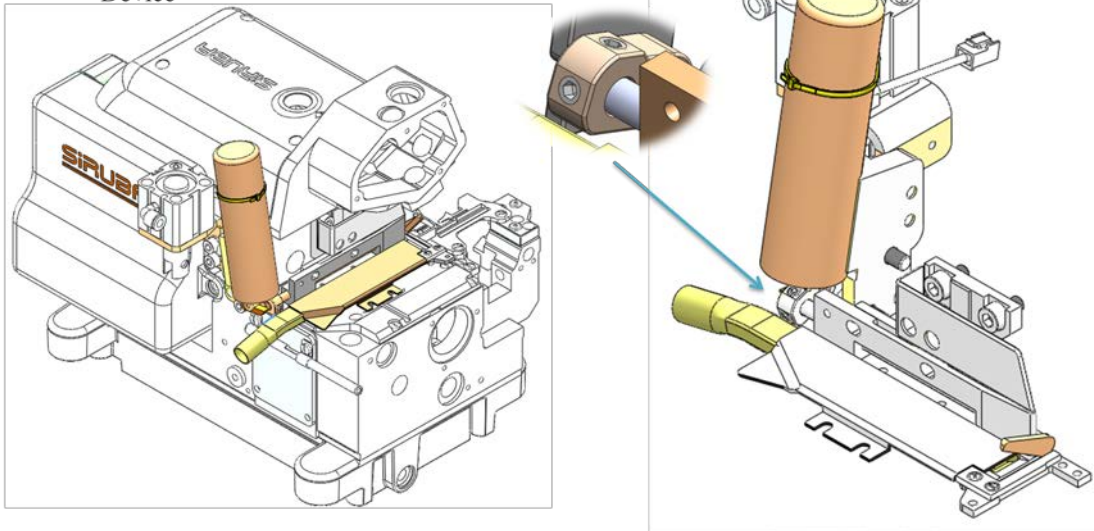
ECA

氣動式切線機構空壓接管說明
Illustration of the Tube in the Pneumatic
Trimmer Device

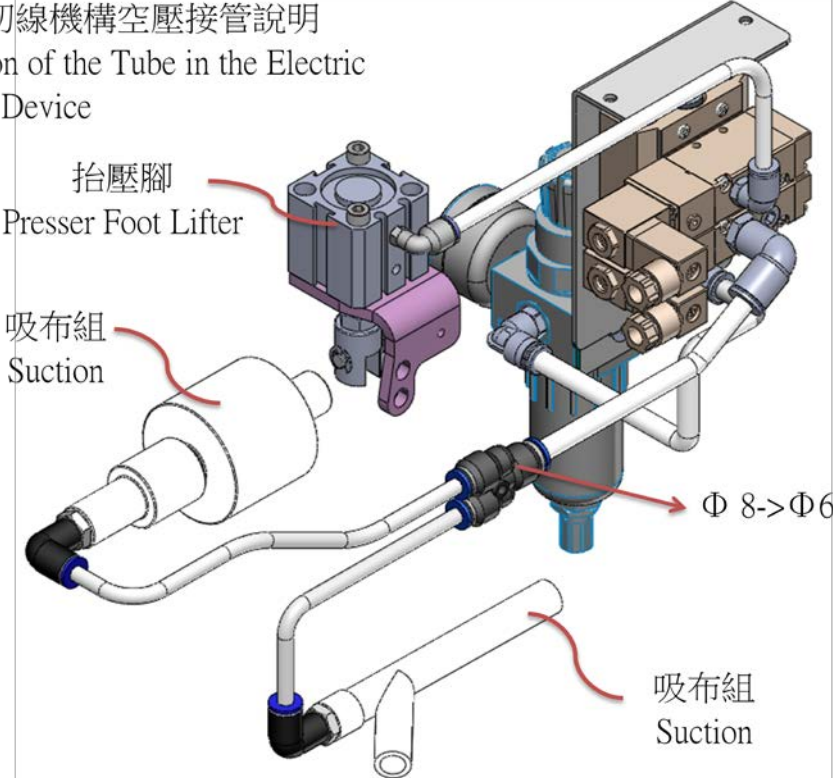


ECB

電動式切線機構調整說明
Adjustment Illustration of the Electric Trimmer
Device



ECB 電動式切線機構空壓接管說明
Illustration of the Tube in the Electric
Trimmer Device



電眼自動感應切線系統:

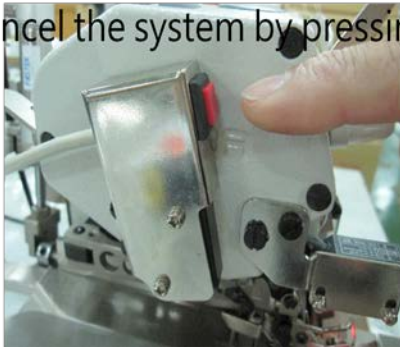
紅色按鈕為電眼感應切線系統, 按鈕按下即可呈現自動切線裝置,
若欲取消電眼感應切線系統, 再次按下鈕按即可.

Electric Eye Automatic Sensor Trimmer System:

The red button is the electric eye auto sensor trimmer system.

It would present the auto trimmer device by pressing the button.

Cancel the system by pressing the button again.



機型規格說明

Model specification

- 控制箱規格說明 (control box specification) :
- 電機類型 (Motor) : 交流伺服電機 (Alternating Current Servo Motor)
- 輸入電壓 (Input Voltage) : AC 200V-240V
- 輸入頻率 (Input Frequency) : 50Hz-60Hz
- 電機輸出功率 (Output Power) : 350W
- 電機輸出扭力 (Output Torsion) : 0.577N-m at 6000rpm
- 電機最大輸出轉速 (Maximum RPM) : 6000rpm
- 電機最小輸出轉速 (Minimum RPM) : 200rpm
- 電機轉速爬升與下降時間 (RPM Speed Time) : 小於 200ms (Less Than 200ms)
- 照明燈規格 (Illumination) : DC12V/40mA
- 電磁閥規格 (Solenoid) : 24V
- 電磁鐵規格 (Electromagnet) : 24V

前後吸風針數/速度VR說明 (Front & Rear Suction Needle Numbers / Speed VR Features)

自動切線模式 (DIP SW 4 ON) Auto Chain Cutter										
前吸風針數 (SW2) Front Suction Needle Numbers										
刻度	0	1	2	3	4	5	6	7	8	9
針數	0	2	4	6	8	10	12	14	16	18
後吸風針數 (SW3) Rear Suction Needle Numbers										
刻度	0	1	2	3	4	5	6	7	8	9
針數	0	4	8	12	16	20	24	28	32	36
CT/VT模式 (DIP SW 4 OFF)										
前吸風針數 (SW2) Front Suction Needle Numbers										
刻度	0	1	2	3	4	5	6	7	8	9
針數	0	10	20	30	40	50	60	70	80	90
後吸風針數 (SW3) Rear Suction Needle Numbers										
刻度	0	1	2	3	4	5	6	7	8	9
針數	0	10	20	30	40	50	60	70	80	90



● 刻度 0 為不吸風切線 (0 means no suction & cutter function)

* VR703 逆時針旋轉至底為最低轉速 200rpm (The lowest speed of VR703 is 200 rpm when turned counter clockwise to the end)

* VR703 順時針旋轉至底為最高轉速(視 DIP SW1,2 而定) (VR703 highest speed is when turned clockwise to the end (depending on DIP SW1,2))

DIP SW 功能介紹
DIP SW Setting



自動切線模式 Auto Thread Cutting Mode				
DIP 1	DIP 2	DIP 3	DIP 4	備註
OFF	OFF	X	ON	0~3000 rpm
OFF	ON	X	ON	0~4000 rpm
ON	OFF	X	ON	0~5000 rpm
ON	ON	X	ON	0~6000 rpm
CT/VT模式 CT/VTMode				
OFF	OFF	X	OFF	0~3000 rpm
OFF	ON	X	OFF	0~4000 rpm
ON	OFF	X	OFF	0~5000 rpm
ON	ON	X	OFF	0~6000 rpm



DIP SW 功能介紹 DIP SW Setting



上/下停針設定模式 Upper / Lower Needle Positioning Mode				
DIP 1	DIP 2	DIP 3	DIP 4	備註
X	X	OFF	X	上停針 Upper Needle positioning
X	X	ON	X	下停針 Lower Needle Positioning

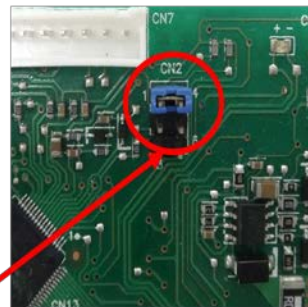
註: 出廠值為上停針模式 / 轉速6000rpm。

Note: Default setting is upper needle positioning / 6000rpm.

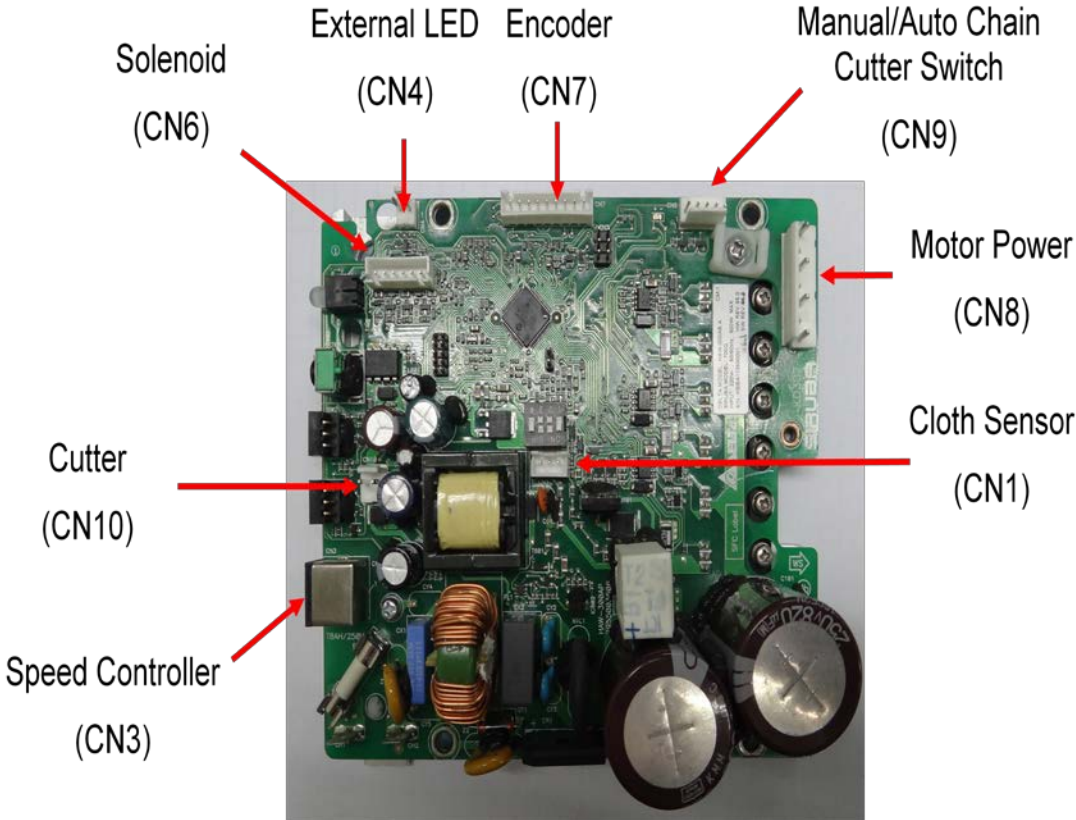
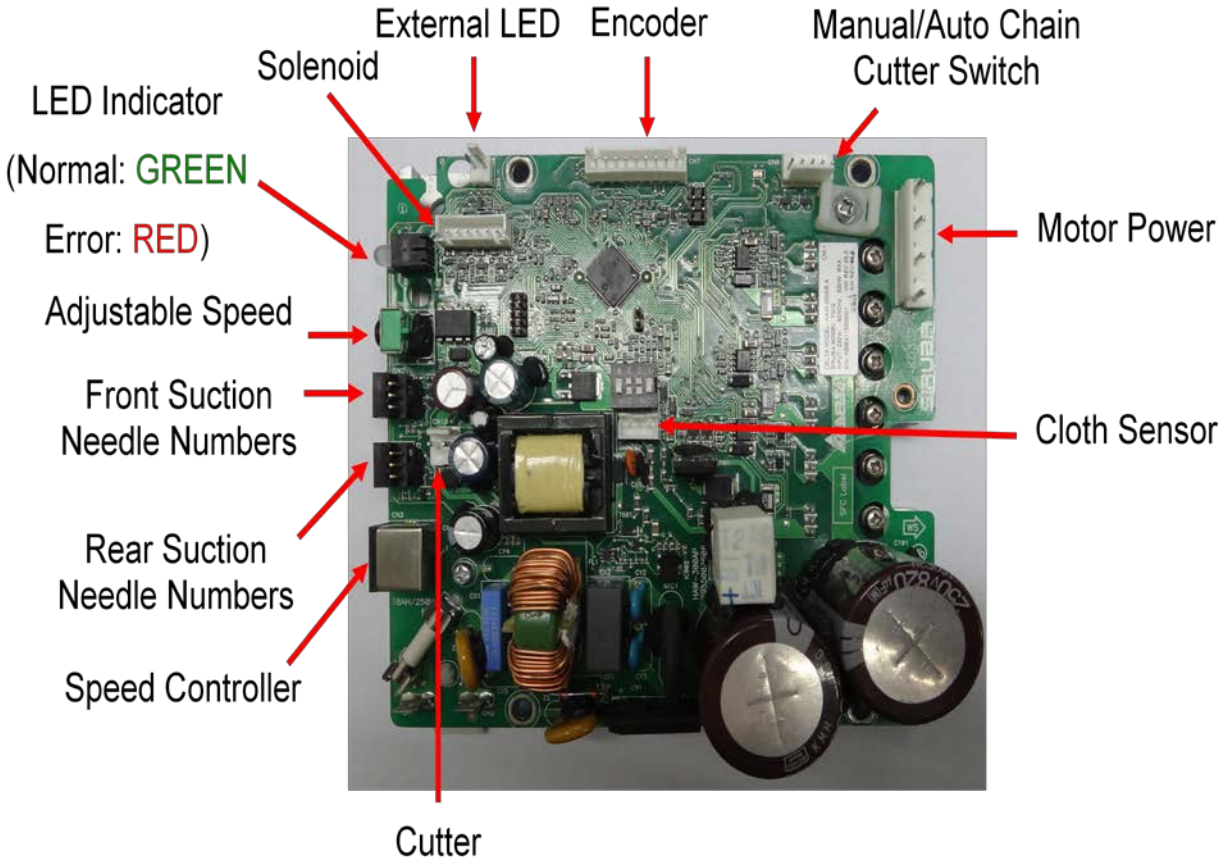
測試模式 Self Test Mode

自動執行5secs ON, 5secs OFF/ CN2 Pin 1,4短路。

Auto 5secs ON / 5secs OFF test by shorting Pin 1 and 4 in CN2.



CN2 Pin 1, 4加上短路帽
Add jumper to short CN2 pin 1 and 4.

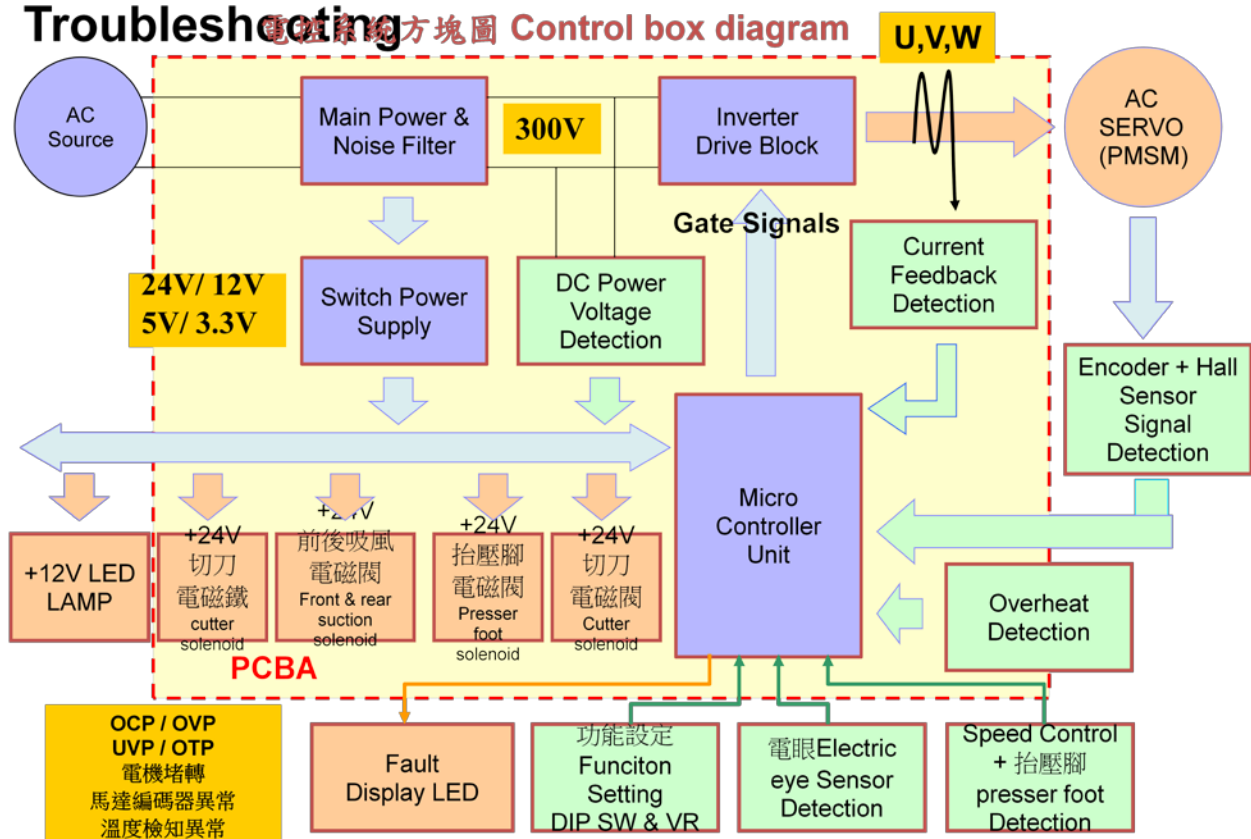


馬達動力線 Motor Power Wire			編碼器線 Encoder Wire		
CN8			CN7		
1	U	紅 RED	1	A+	綠 GREEN
2	V	白 WHITE	2	B+	白 WHITE
3	W	黑 BLACK	3	Z+	黃 YELLOW
4	PE	黃/綠 YELLOW / GREEN	4	+5V	紅 RED
			5	5V GND	黑 BLACK
			6	V+	橙 ORANGE
			7	W+	灰 GREY
			8	U+	棕 BROWN
			9	PE	X

CN6		布感應器 Cloth Sensor CN1		CN9		CN10		控速器 Speed Controller CN3		External LED CN4	
1	24V	1	GND	1	X	1	24V	1	12V	1	12V
2	抬壓腳	2	訊號	2	X	2	切線	2	X	2	GND
3	24V	3	24V	3	手/自動按鈕			3	X		
4	吸風			4	切線開關			4	X		
5	24V			5	GND			5	訊號		
6	吸布屑			6	GND			6	GND		

故障排除

Troubleshooting



故障一、Motor OFF期間，故障顯示LED五秒內閃爍1下

During Motor OFF period, the fault LED will flash 1 time in 5 seconds.

說明：溫度感測元件發生故障時，MCU會偵測出不符合規格之溫度，此時MCU則判定為感測元件異常，Motor不再啟動。

Description : When temperature sensor fails, MCU will detect that the temperature does not meet specifications, thus MCU is judged to be abnormal, and the Motor will not start

故障排除：

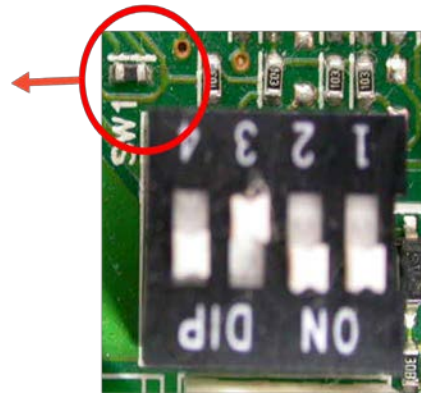
Step1: 更換溫度Sensor NTC101、R156及C112。

Replace temperature Sensor NTC101, R156 and C112.

Step2: 故障無法排除，請更換控制基板。

If faults cannot be solved, please replace the control board.

NTC101
Location



故障二、Motor異常保護停止期間，故障顯示LED 五秒內閃爍2下。

Motor stops during abnormal protection, fault LED will flash 2 times in 5 seconds.

說明：檢知Bulk voltage發生最大值時，Motor 不再啟動。

When detector Bulk voltage detector reaches maximum, Motor will not start.

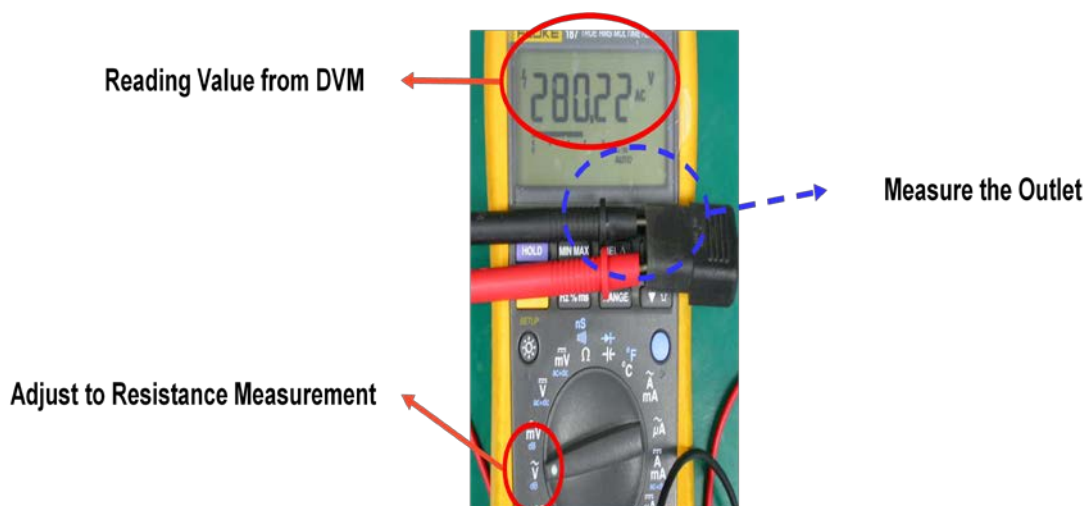
故障排除 (Troubleshooting) :

Step1: 確認輸入電壓是否異常過高(280Vac)。

Confirm if the input voltage is abnormally high (280Vac).

Step2: 故障無法排除，請更換控制基板

If fault can not be solved, replace the control board



故障四、Motor異常保護停止期間，故障顯示LED五秒內閃爍4下

During Motor abnormal stop protection period, the fault LED shines

4 times in 5 seconds.

說明：(1)控制器檢知Motor運轉電流值 $\geq 20A$ 時

When Motor controller detects the current value $\geq 20A$

(2)V bulk電壓大於470Vdc時，Motor不再啟動。

V bulk voltage is greater than 470Vdc, Motor will not start.

故障排除：

Step1: 檢查負載是否過大?或機構大心卡住?

Check if the load is too large or main shaft is stuck.

Step2: IGBT是否損毀，是→跳到步驟3；否→跳到步驟4

Check if IGBT is destroyed, YES→Step3; No→Step4

Step3: 更換控制器

Replace the controller

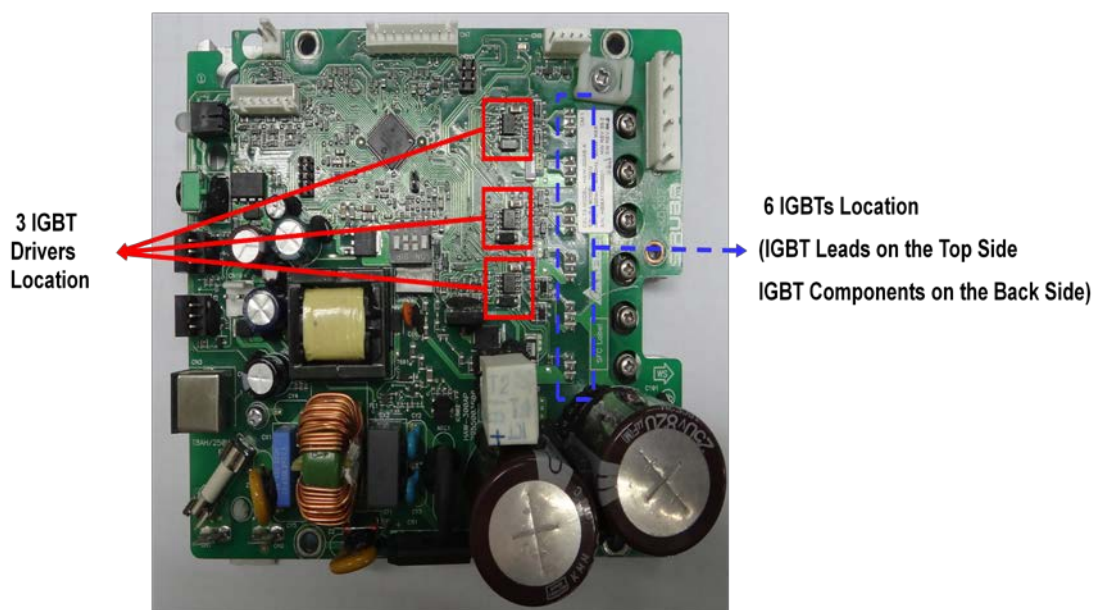
Step4: 故障仍無法排除，更換馬達

If fault persists, replace the motor

故障排除 Troubleshooting:

Step 2: IGBT驅動器或IGBT分析步驟

IGBT Driver or IGBT Troubleshooting Steps



故障排除 Troubleshooting:

Step 2: IGBT 驅動器或IGBT 分析步驟

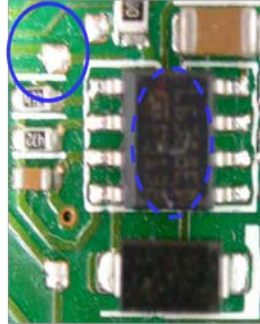
IGBT Driver or IGBT Troubleshooting Steps

(1) 確認IGBT 驅動器是否異常。

Check if IGBT drivers abnormal.

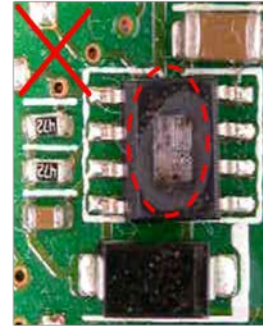


IGBT Drivers Location



Normal:

The black molding is completed and without damaged.



Abnormal:

The black molding is broken and the inside die exposed.

故障排除 Troubleshooting:

Step 2: IGBT 驅動器或IGBT 分析步驟

IGBT Driver or IGBT Troubleshooting Steps

(2) 調整萬用表到歐姆檔，確認IGBT 阻值是否異常。

Adjust DVM for resistance measurement and check IGBT resistance value.

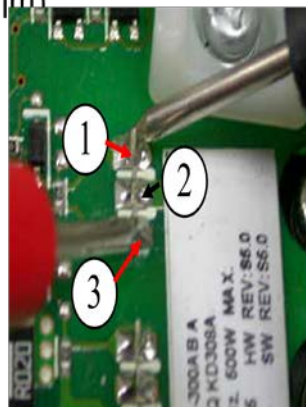
- 逐顆量測IGBT Pin 1到Pin 3阻值 (正常值為100Kohm+/-10%)

Check resistance value between IGBT Pin 1 and 3 on each IGBT.

(Pass Value: 90K~110Kohm)



6 IGBTs - Leads Location



Measure Pin 1 and 3 Resistance

Pass Value from DVM



Adjust to Resistance Measurement

故障排除 Troubleshooting:

Step 2: IGBT 驅動器或IGBT分析步驟

IGBT Driver or IGBT Troubleshooting Steps

(2) 調整萬用表到歐姆檔，確認IGBT阻值是否異常。

Adjust DVM for resistance measurement and check IGBT resistance value.

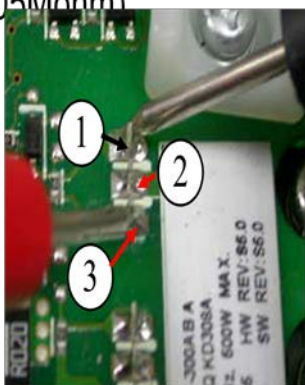
- 逐顆量測IGBT Pin 2到Pin 3阻值 (正常值為1.55Mohm+/-10%)

Check resistance value between IGBT Pin 2 and 3 on each IGBT.

(Pass Value: 1.395M~1.705Mohm)



6 IGBTs - Leads Location



Measure Pin 1 and 3 Resistance



Pass Value from DVM

Adjust to Resistance Measurement

故障五、Motor異常保護停止期間，故障顯示LED五秒內閃爍5下

During motor abnormal stop protection period, within the fault LED flashes 5 times in 5 seconds.

說明：馬達encoder訊號因斷線或損毀，導致MCU偵測發生異常，Motor不再啟動。

If motor position signal breaks or damages, causing the MCU to be detected abnormal, the motor will not start.

故障排除：

Step1:馬達encoder 訊號線是否斷線或損毀。

Check if motor cable is disconnected or damaged.

Step2: 故障無法排除，請更換馬達。

If fault can not be solved, please replace the motor.

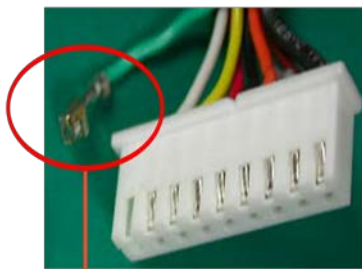
故障排除 Troubleshooting：

Step 1: 馬達Encoder訊號線是否斷線或損毀。

Check if motor encoder cable is disconnected or damaged.

Step 2: 故障無法排除，請更換馬達。

If fault can not be solved, please replace the motor.



Encoder Terminal damaged



Encoder Cable damaged

故障六、Motor OFF期間，故障顯示LED五秒內閃爍6下

During motor abnormal stop protection, the fault LED shines 6 times in 5 seconds.

說明：IGBT藉ON/OFF動作,呈現近似Sin wave波形控制Motor運轉及動作電流，在Switch動作頻繁及負載電流通過，形成熱損增加與溫度上升。

IGBT shows a similar Sin wave form controlling Motor and operating current by the ON / OFF operation, the temperature rises and heat loss increases by frequently switching and load current passing.

故障排除:(續上頁)

Step1:檢查是否負載過大?或運轉時間過長?

Check if the load is too large or under long time running.

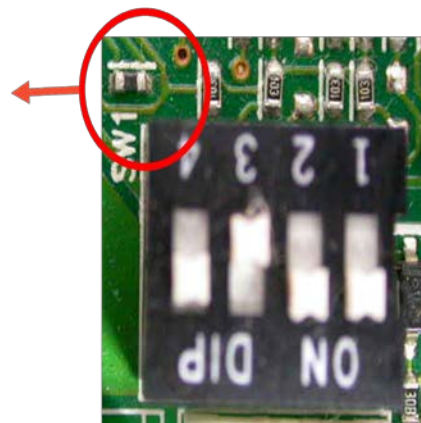
Step2:更換溫度Sensor NTC101、R156及C112

Replace temperature sensor NTC101、R156 & C112

Step3: 故障無法排除，請更換控制基板

If the fault can not be solved, replace the control board.

NTC101
Location



故障七、Motor異常保護停止期間，故障顯示LED五秒內閃爍7下

During motor abnormal stop protection, the fault LED shines 7 times in 5 seconds.

說明：電磁鐵 24V異常 24V solenoid abnormal

條件：電磁鐵 24V電壓小於12VDC判定異常

When 24V solenoid voltage is below 12VDC, it's determined abnormal

故障排除：(續上頁)

Step1:檢查電磁閥是否故障(機構部分):

Check whether the solenoid is malfunctioned (mechanical part)

Step2:檢查輔助電源是否異常

Check if auxiliary power supply is abnormal

CN4 Pin 1: 12V \pm 5%

CN10 Pin 1: 24V \pm 5%

CN2 Pin 4: 3.3V \pm 3%

CN5 Pin 1: 5V \pm 3%

Step3:故障無法排除，請更換控制基板

If fault can not be resolved, please replace the controller.

故障八、Motor異常保護停止期間，故障顯示LED恆亮

During motor abnormal stop protection period, the LED light will be permanently on.

說明：因機台零件損毀或不可抗拒因素造成馬達堵轉

When the motor is blocked due to spare part damages or uncontrollable causes.

故障排除：

Step1: 檢查機台是否有異物纏繞手輪上造成卡住或機體有零件損毀或馬達損毀。

Check whether there's any object winding around the machine, or if there's any spare part damage or motor damage.

Step2: IGBT是否有損毀 Check if IGBT is damaged

Step3: 故障無法排除，請更換控制基板

If the fault can not be solved, please replace the control board.

簡易維修

Simple Repair

➢ 轉速偏低 Low RPM

故障排除：

Step1：更換VR703 Replace VR703

Step2：故障無法排除，請更換控制基板。

If the fault can not be solved,
please replace the control board.



➢ 最大轉速與DIP SW1設定不符

The maximum RPM did not match with DIP SW1

故障排除：

Step1：更換SW1 Replace SW1

Step2：故障無法排除，請更換控制基板

If the fault can not be solved, please
replace the control board.



- 電磁閥、電磁鐵不動作

The solenoid & electromagnet did not function.

故障排除：

Step1：檢查電磁閥、電磁鐵是否異常，機構部分是否卡住

Check if solenoid & electromagnet malfunctioned or stuck of mechanical.

Step2：更換 Q901 Q903 Q904 Q905 D904 D907 D908 D913

Replace Q901 Q903 Q904 Q905 D904 D907 D908 D913

Step3：故障無法排除，請更換控制基板。

If the fault can not be solved,
please replace the control board.

前、後吸風針數錯誤

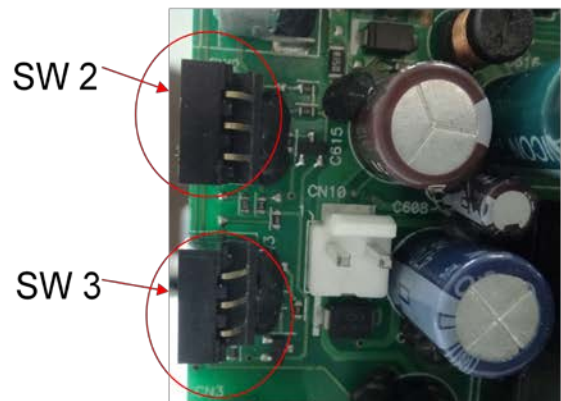
Front and rear suction needle count error

故障排除：

Step1：更換SW2、SW3 Replace SW2、SW3

Step2：故障無法排除，請更換控制基板

If the fault can not be solved,
please replace the control board.



- LED不亮(LED901)
LED is not working (LED901)

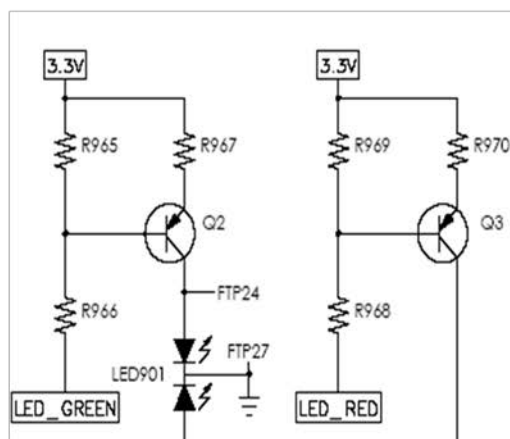
故障排除：

Step1：更換LED901、Q2、Q3

Replace LED901、Q2、Q3

Step2：故障無法排除，請更換控制基板。

If the fault can not be solved,
please replace the control board.

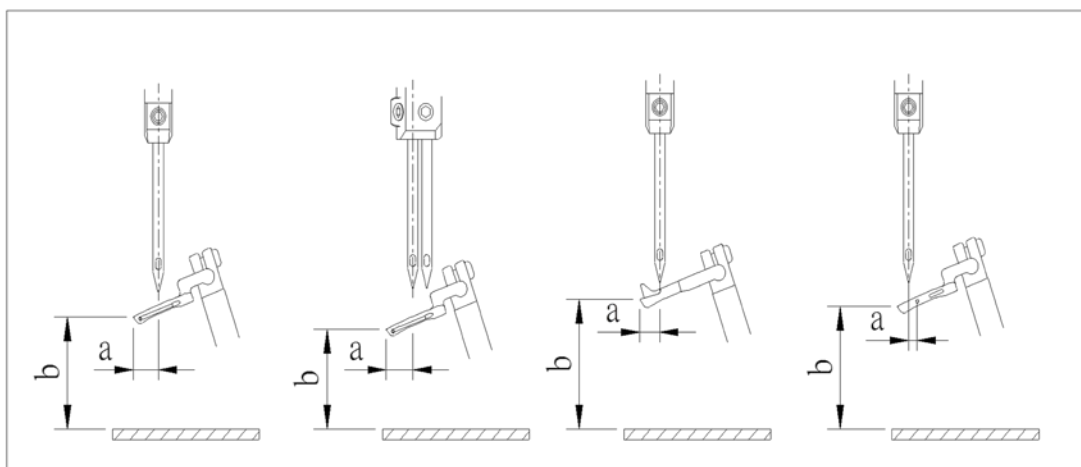


機構調整

Adjustment of Mechanism

勾針與針及針板的關係 The relation between looper & needle plate

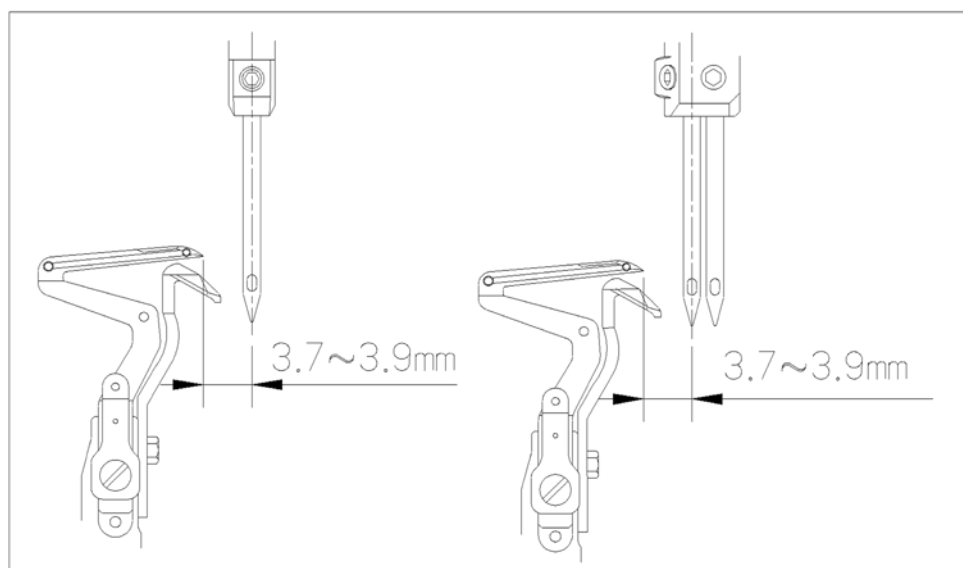
當上勾針移至最左時，勾針尖端與針中心距為a，雙針時對其左針中心。如圖示
When upper looper move to most left side, the distance between point of needle & looper is "a", if using double needle then the point of left needle have aim to the middle of looper.



線 (Thread)	a		b (可依車縫布料調整+1+0) Can be adjust by the fabric thickness
737	4.4~4.7		10.8
747	F1-XX	5.4~5.7	10.5
	M1-XX	1~1.3	10.5
	M2-XX	5.5~5.7	10.5
	H4-XX		
	M5-XX		
	M7-XX		
757	4.4~4.7		10.8
767	5.4~5.7		10.5

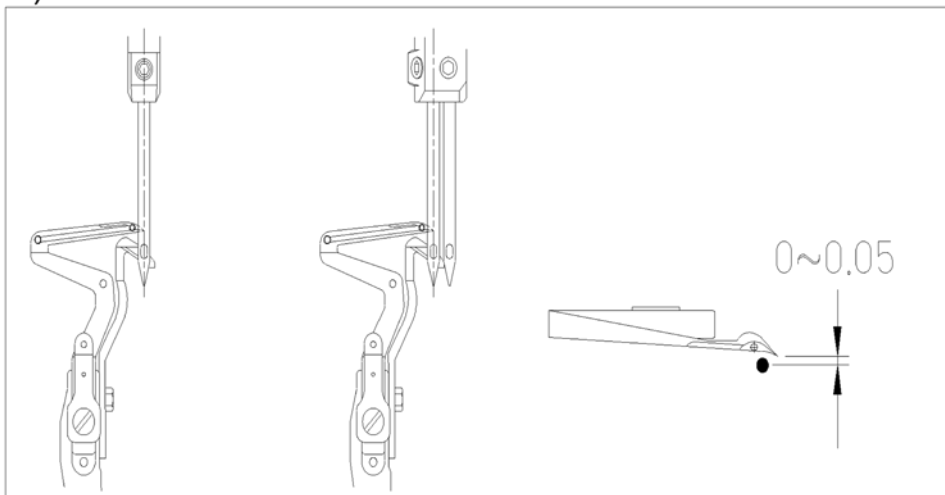
當下勾針移至最左時，勾針尖端與針中心距約3.7~3.9mm(雙針時以左針為主)，
M7系列、M2-28 距離為4.1~4.3mm。如圖示

When lower looper move to most left side, the distance between point of lower looper and point of needle is 3.7 ~ 3.9 mm (Double needle base on left needle) 。 The distance Of M7 & M2-28 serial is 4.1 ~ 4.3 mm 。



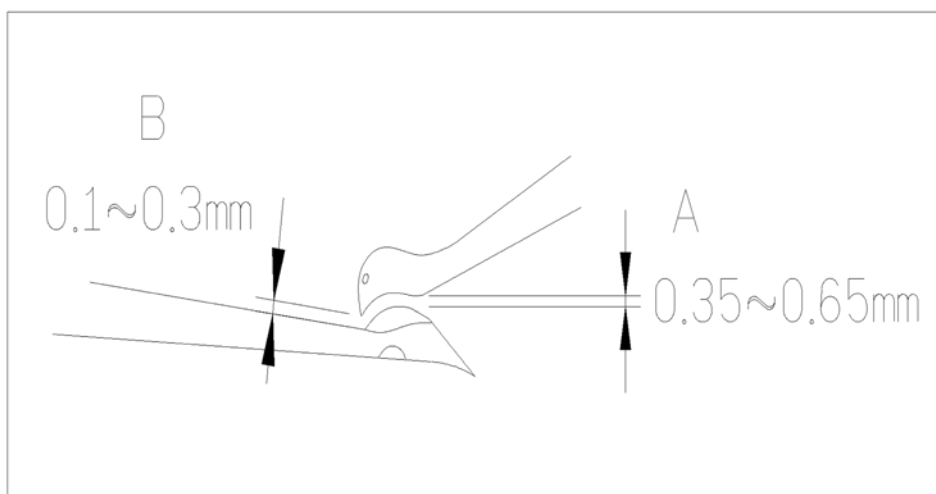
當下勾針向右移至針中心時，針與勾針之間隙為0~0.05mm(雙針移左針為主)。
如圖示

When lower looper move forward to right to the point of needle, the distance
Between needle and lower loop is around 0 ~ 0.05 mm (Double needles base
on left needle)

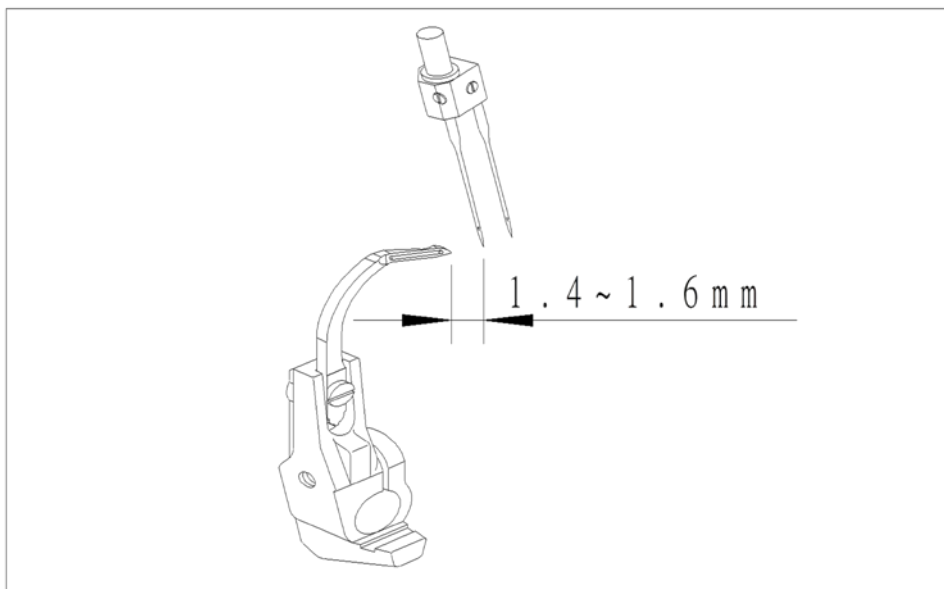


當上下勾針相交時，兩勾針盡量接近，但不可磨擦或碰撞，
其間隙A點為0.35~0.65mm B點為0.1~0.3mm。如圖示

When needle and lower looper intersect, try to make it as close as we can but
Do not contact each other. The space "A" is around 0.35 ~ 0.65 mm, The
space "B" is around 0.1 ~ 0.3 mm.



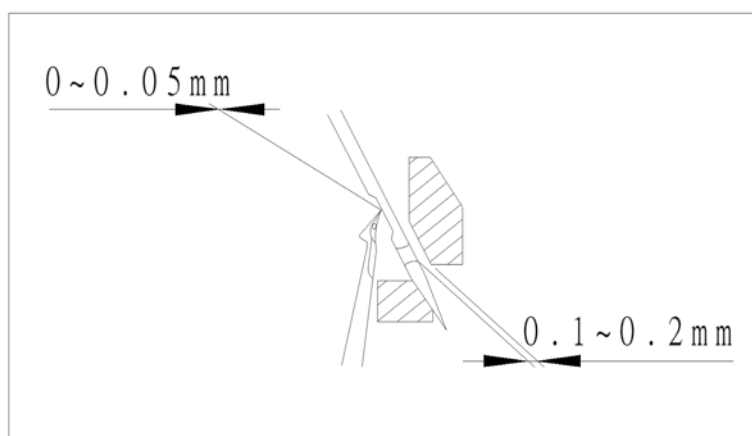
當環縫勾針移至最左時，勾針尖端與針之中心距離為1.4~1.6mm。如圖示
When chain stitch looper move to most left side, the space between looper and point of needle is around 1.4 ~ 1.6 mm.



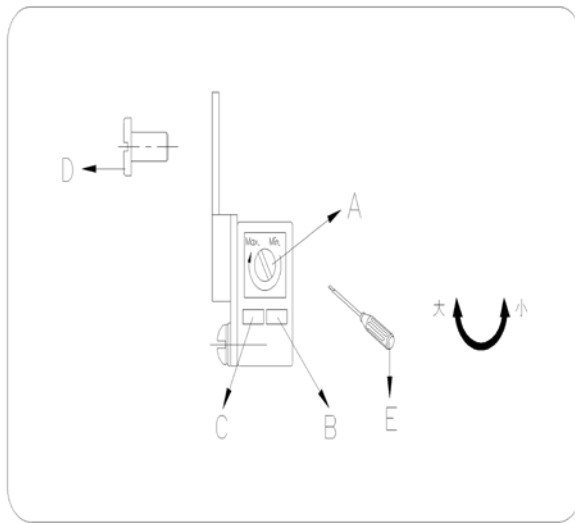
針與擋針片關係 The relation between needle & needle guard

- (1)當下勾針由左向右至針中心時(雙針以左針)針與後擋針片之間隙為0~0.05mm。
- (2)當針再下死點時針與前擋針片之間隙為0.1~0.2mm。如圖示

- (1) When lower looper move from left to right, the space between needle and rear needle guard is around 0 ~ 0.05 mm. (double needles base on left needle)
- (2) When needle located in bottom dead point, the space between needle and front needle guard is around 0.1 ~ 0.3 mm.



電眼感測器調整，如下圖所示



1. 調整電眼感測器與工作平台呈平行方向，再鎖緊固定螺絲D。
2. 打開縫紉機電源，此時電眼感測器之電源指示燈C呈綠燈，且為恆亮狀態，若此時檢測燈B之橘燈，呈現滅的狀態，則以一字起子E，調整感測強度旋鈕A，直到檢測燈B之橘燈亮起。
3. 以待縫製物測試，放入縫製物時，檢測燈B為滅的狀態，表示目前已檢測到縫製物；移除縫製物時，檢測燈B之橘燈會亮起。

-
4. 若電眼感測器靈敏度有些許誤差，可調整感測強度旋鈕A至最佳位置。
 5. 以此方式反覆測試電眼感測器數次，若皆呈正常動作，即表示已調整完成，此時即可開始進行車縫作業。
 6. 電眼感測器為光電反射原理，若遇下列布料(註 1)可能會造成誤判，建議將此電眼感測器功能關閉。

註1 :易造成誤判之布料:

※網砂布料

※表面有反光貼片的布料

註 2 :出廠時皆已調校，僅須針對感測強度調整即可。

Q & A