



HCB 直驅式電子平車拖輪安裝手冊

THE INSTRUCTION GUIDE BOOK FOR HCB PULLER



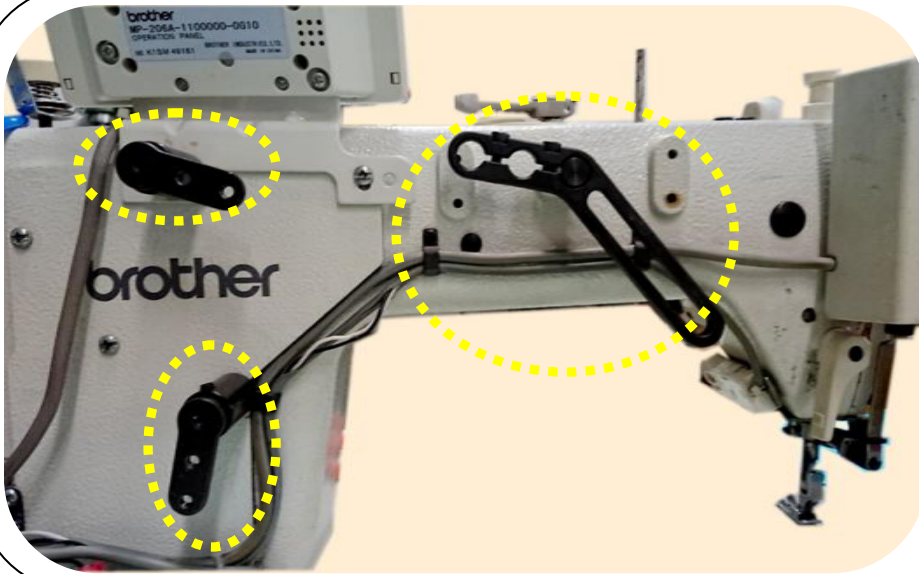
安裝前,請詳細閱讀安裝說明書

PLEASE READ INSTRUCTIONS & ASSOCIATED DRAWINGS BEFORE INSTALLATION

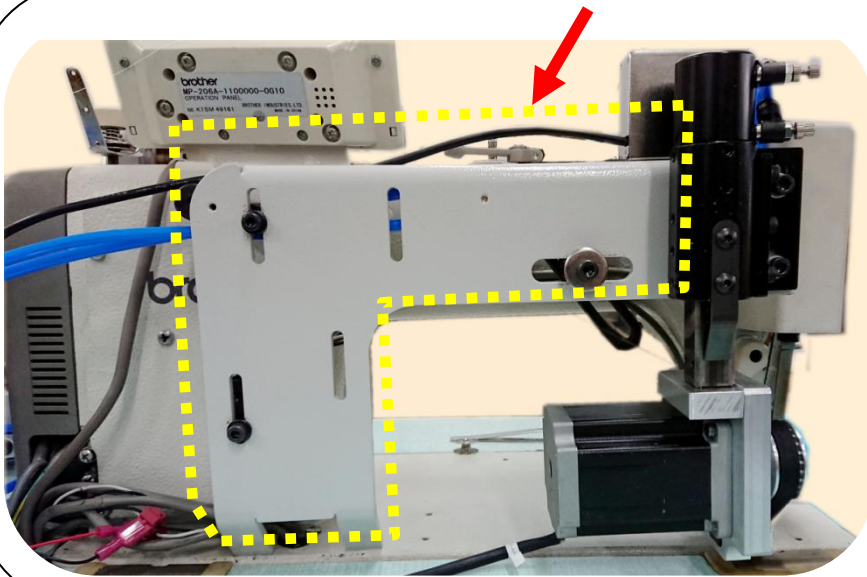
HCB 直驅式電子平車拖輪

COMPUTERIZED PULLER WITH DIRECT-DRIVING DEVICE

快速安裝指南 QUICK INSTALL GUIDE



1. 裝上支撐架
To install the bracket



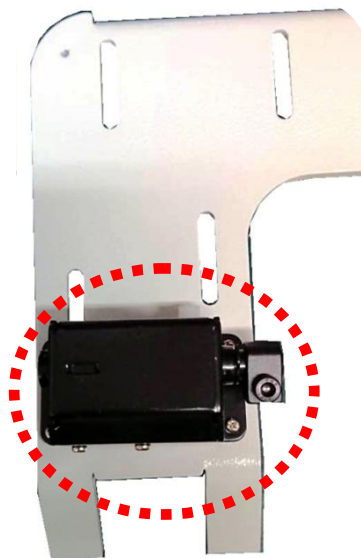
2. 放上支撐座並鎖螺絲
To put on the base and lock the screws



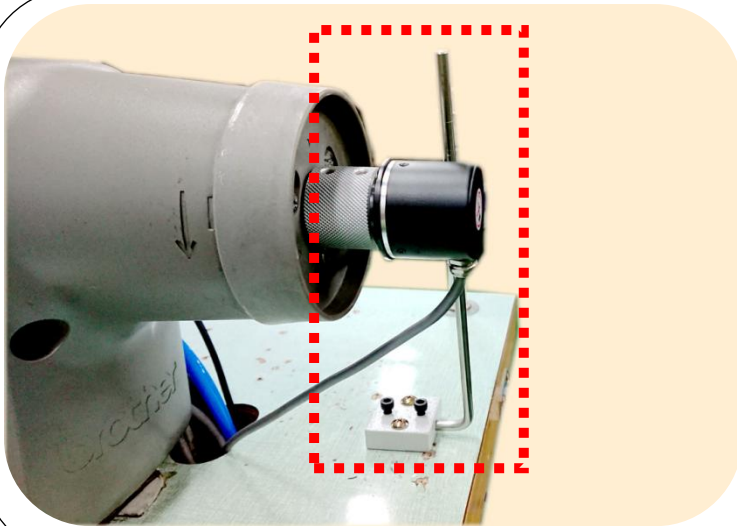
正面 front



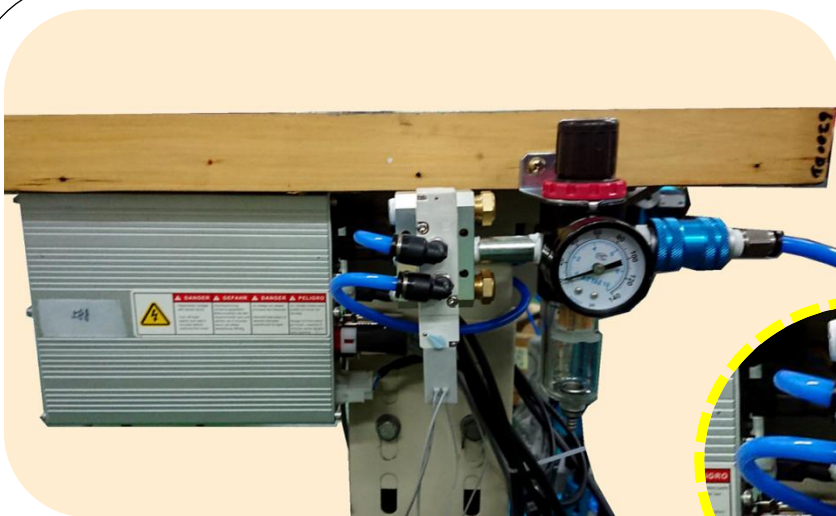
背面 back



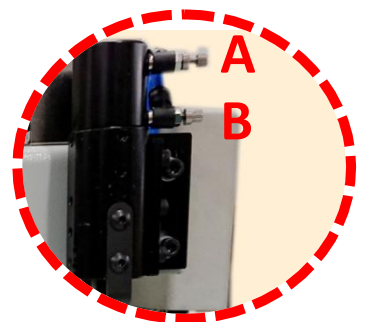
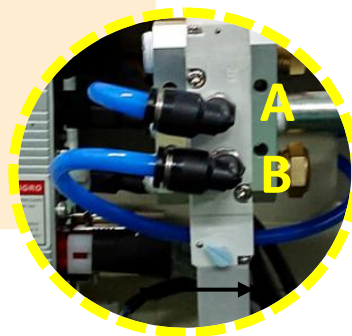
3. 安裝手動迴針裝置
To install manual reverse stitch



4. 安裝譯碼器及固定架
To install the Encoder and holder

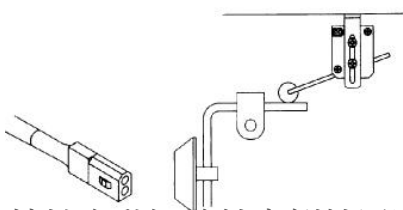


5. 安裝壓力調節器及控制箱
並連接管線 To install the pressure regulator and connect the pipe



膝動開關

Microswitch for knee presser fot lifter

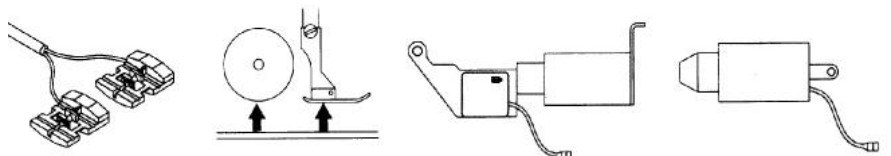


接於自動切線針車倒針用電磁電源上(DC24~48V)

Finding and connecting the power cords of Auto-reverse solenoid (DC24~48V)

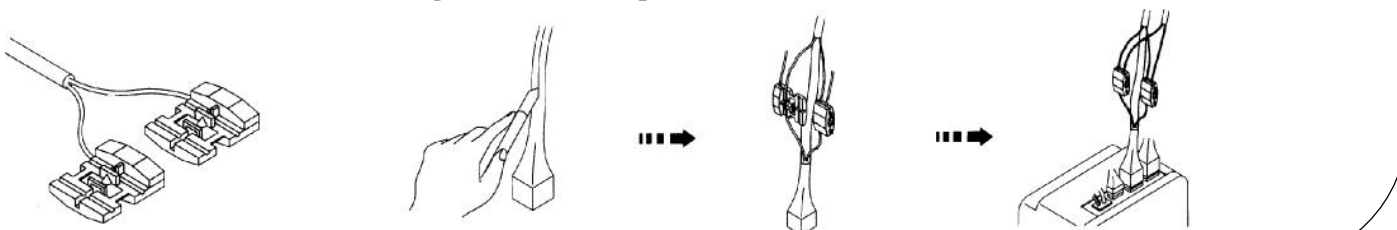
接壓腳自動提升電磁鐵電源線

To solenoid power cords of auto-lifter



無自動切線之針車此線無需使用並將蓋子蓋上

For nonautomatic-trimming machine, keep this wire connector

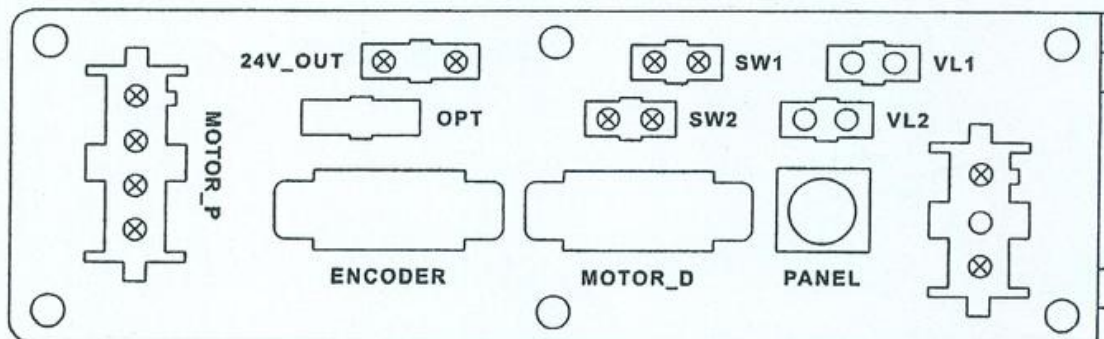


安裝說明書

USER INSTRUCTIONS

控制箱端口

PORT FOR CONTROL BOX

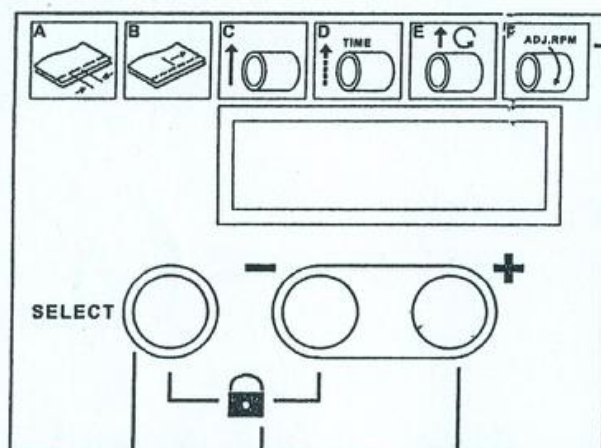


MOTOR_P	步進馬達電源 Stitch size
MOTOR_D	步進馬達編碼器 Encoder for stepping motor
ENCODER	主軸編碼器 Encoder for machine shaft
24V_OUT(紅) Red	抬升拖輪電磁鐵 Roller up solenoid
PANEL	控制面板 Control panel

SW_1(白) White	開關信號(倒縫壓桿用) Switch signal for back sewing bar
SW_2(白) White	開關信號 Switch signal
VL_1(黑) Black	倒縫電磁鐵信號24V 24V signal for back sewing solenoid
VL_2(黑) Black	剪線電磁鐵信號24V 24V signal for cutting solenoid

面板功能

PANEL FUNCTION



- A. 針距設定 (0.1mm ~ 9.9mm)**
Stitch size
- B. 啟動針數設定 (0 ~ 99)**
Start stitches before roller work
- C. 停車抬滾輪動作 (0: 關閉 1: 剪線後 2: 停車與剪線後)**
Roller up in sewing stop
(0:Close 1:After cutting 2:Stop and after cutting)
- D. 停車抬滾輪延時 (0.1s ~ 9.9s)**
Delay time for Roller up in sewing stop
- E. 倒針滾輪動作 (0: 抬起 1: 倒轉)**
Action of roller in back sewing
(0:Roller up 1:Roller reverse)
- F. 滾輪速度微調 (0 ~ 9) default:5**
Adjustment roller speed

功能選擇/參數設定
Function select / Parameter

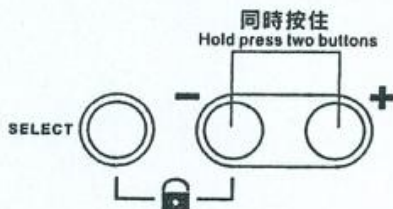
安裝說明書

USER INSTRUCTIONS

定位校正

ADJUSTMENT POSITION

- 1 關閉電源。
Power off.
- 2 同時按壓減量鍵和增量鍵後開啟電源。
Hold press reduce and plus then power on.



- 3 固定好主軸編碼器並確認無晃動。
Fasten encoder for shaft then confirm not have sway.
- 4 放鬆手輪與聯軸器之間的螺絲。
Loose screw between hand wheel and coupling.
- 5 轉動手輪使縫紉機處於送料起始狀態。
Rotation hand wheel until feeding mechanical in start position.
- 6 縫紉機維持送料起始狀態下,旋轉主軸編碼器直到控制面板顯示0000。
Hold feeding mechanical in start position then rotation encoder, until panel show to "0000".
- 7 鎖緊手輪與聯軸器之間的螺絲。
Lock screw between hand wheel and coupling.

面板功能鎖定

LOCK FOR PANEL FUNCTION

- 1 關閉電源。
Power off.
- 2 同時按壓功能選擇鍵和減量鍵後開啟電源。
Hold press SELECT and reduce then power on.



- 3 當控制面板顯示ON,代表功能已鎖定。
When panel show to "ON", function already to locked.
- 4 鎖定時,功能BCDE為不可調整狀態。
In lock situation, function BCDE can not adjustment.



使用前的參數確認

ATTENTION BEFORE USE

- 1 拖輪直徑 (參數01可調整,出廠預設55mm)
Diameter for roller(Adjustment from parameter"01", default value:55mm)
- 2 主軸旋轉方向 (參數04可調整,出廠預設平縫機方向)
Rotation direction(Adjustment from parameter"04")
- 3 傳動比例 (參數13可調整,出廠預設1:1)
Drive scale(Adjustment from parameter"13", default value: 1:1)
- 4 針距設定 (面板功能A可調整,出廠預設3.5mm)
Sewing stitch(Adjustment from function"A"on panel, default value:3.5mm)

滾輪速度微調

ADJUSTMENT ROLLER SPEED

- 1 使用面板功能 , 確實調整針距與縫紉機符合。
Use  and confirm sewing stitch is correct.
- 2 在拖動效果不理想的情況下,可使用功能  來微調滾輪速度。
If drag effect is not good, use  to adjustment roller speed.