
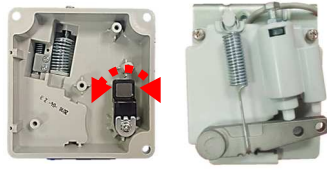
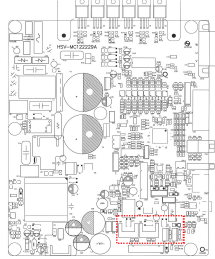
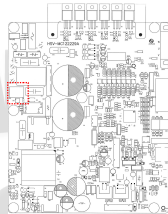


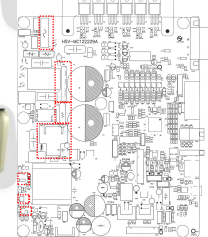

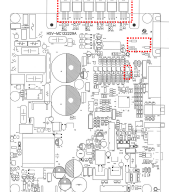


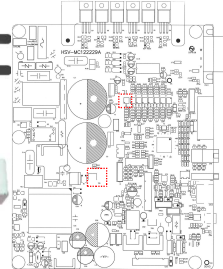


TD415-4-7R-2 故障排除

Troubleshooting

故障碼 ERROR CODE	故障狀況 MALFUNCTION DESCRIPTION	可能的故障原因 POSSIBLE REASONS OF MALFUNCTION	相關圖示 RELATED COMPONENTS & PHOTOS
	送電後,顯示屏內的馬達旋轉符號暫停不動時 (安全開關檢知錯誤) The rotation symbol of the display panel freezes after switching on the power (error of safety switch detected)	1.安全開關故障或接觸不良 Safety switch is defective or poor connection. 2.參數no.75設定值與使用之車頭機型不符合 The setting value of parameter no. 75 is unsuitable for the machine type.	
	送電顯示屏無顯示故障碼,但馬達不動作,亦無功能輸出 No error code is shown in the display panel but the motor remains to be not in operation and there is no function output after switching on the power	1.馬達無動作時可以更換控速器作測試 When the motor remains to be not in operation, replace a speed controller for verification. 2.無功能輸出·主基板上的TR4~TR7,D11~D15等元件故障,更換主基板確認 When there is no function output, components TR4~TR7, D11~D15, etc on the main board are defective. Replace the main board for verification.	 
PF	送電後,顯示屏PF,馬達無法動作,電箱也無沒有任何輸出功能 (AC電源檢知異常) PF is shown in the display panel but the motor remains to be not in operation and there is no function output after switching on the power. (AC power detected to be abnormal)	主基板上的R5,OI1等元件故障,更換主基板確認 Components R5, OI1, etc on the main board are defective. Replace the main board for verification.	
NO DISPLAY	送電,顯示屏無顯示,馬達無動作,亦沒有任何輸出功能 (AC電源無輸入·或是振盪迴路故障) The display panel does not show anything and the motor remains to be not in operation and there is no function output after switching on the power. (No input from AC power, or SMPS circuit is defective.)	1.確認AC電源是否正常輸入?電源開關是否異常? Make sure if there is normal input of AC power supply. If the power switch is abnormal? 2.主基板上的F1,BD1,RV1,TR2,IC1,IC4,OI3等元件故障,更換主基板確認 Components F1,BD1,RV1,TR2,IC1,IC4,OI3,etc on the main board are defective. Replace the main board for verification.	  
E1	車縫中,機器停止,顯示屏E1! (此為電流保護,表示馬達電流過高) E1 is shown in the display panel. The machine stops operation during sewing operation. (This is current protection, meaning that the motor current is too high)	1.主基板上的Q1,Q2,Q3,Q4,Q5,Q6,CT1,CT2,OI8等元件故障,更換主基板確認 Components Q1,Q2,Q3,Q4,Q5,Q6,CT1,CT2,OI8,etc on the main board are defective. Replace the main board for verification. 2.馬達的線圈燒毀 The motor coil is burnt.	 
E4	電源ON時,檢知到電源電壓過高,或是車縫中機器停止,顯示屏E4! (此為電壓保護,表示AC電壓過高) After switching on the power, voltage of power supply is detected to be too high or the machine stops operation during sewing operation, E4 shown in the display panel. (This is voltage protection, meaning that the AC voltage is too high)	1.插錯使用之供應電源? Plugging in the wrong power supply? 2.煞車用水泥電阻損壞? Cement resistor used for braking is defective? 3.主基板上的TR1,OI2等元件故障,更換主基板確認 Components TR1,OI2, etc on the main board are defective. Replace the main board for verification.	  

故障碼 ERROR CODE	故障狀況 MALFUNCTION DESCRIPTION	可能的故障原因 POSSIBLE REASONS OF MALFUNCTION	相關圖示 RELATED COMPONENTS & PHOTOS
E7	各種原因造成馬達無法到達定位 Various reasons causing the motor unable to reach the right position.	<p>1. 踩下踏板,馬達平順的運轉幾針後停下,顯示屏E7! After toeing down the pedal, the motor runs smoothly for few stitches and stops, showing E7 in the display panel.</p> <p>原因: 確檢知板連接器PIN是否插歪?更換另一個檢知板確認 Reasons: Check if the connector PIN of encoder board is properly inserted. Replace the encoder board for verification.</p> <p>用氣槍清潔電機檢知板,確保沒有綿絮或灰塵卡在光敏元件 Clean the motor encoder board with compressor gun, ensuring that there is no cotton fiber/ dust on the photo sensor.</p> <p>確檢反光片是否與元件磨損?是否黑漆磨掉了? Check if there is any abrasion on the photo disc caused by rubbing against other components. Or, if the black paint peels off.</p> <p>確檢定位參數176,177,179,181是否調整錯誤?或是直接參數重置 Check if the parameter no. 176, 177, 179, 181 for calibrating position is properly set? Or reset the parameters directly.</p>	
		<p>2. 踩下踏板,電動機根本無法運轉,然後顯示屏E7! After toeing down the pedal, the motor remains to be not in operation, E7 shown in the display panel.</p> <p>原因: 確檢縫機結構順暢,沒有卡死 Reasons: Check if the structures of the machine run smoothly and not jammed.</p> <p>主基板上的IC2,IC3,D19,D20,D21等元件故障 Components IC2,IC3,D19,D20,D21,etc on the main board are defective.</p>	
		<p>3. 馬達運轉時發出噪音並停下,然後顯示屏E7! Noise occurs during operation of motor and then the motor stops entirely, E7 shown in the display panel.</p> <p>原因: 確檢知板連接器PIN是否插歪?更換另一個檢知板確認 Reasons: Check if the connector PIN of encoder board is properly inserted. Replace the encoder board for verification.</p> <p>主基板上的Q1,Q2,Q3,Q4,Q5,Q6,OI4,OI5,OI6,OI7,OI9,OI10,IC15等元件故障?更換主基板確認 Components Q1,Q2,Q3,Q4,Q5,Q6,OI4,OI5,OI6,OI7,OI9,OI10,IC15,etc on the main board are defective. Replace the main board for verification.</p> <p>是否車頭碼設定錯誤?造成馬達驅動不順? Check if the machine code is set wrongly, causing the motor not to be driven smoothly.</p>	
		<p>4. 縫製較厚的織物時,針不能貫穿而停止,顯示屏E7! When sewing thicker textile, needle can not go though and operation stops, E7 shown in the display panel.</p> <p>選擇更大出力的馬達款 Select motor model with higher output.</p> <p>連繫買欣售服中心作馬達相關參數調整 Contact with HoHsing service center for adjustment of parameters related to motor.</p>	
EC	<p>送電後,EC直接顯示,表示沒有定位器 (此故障碼僅在使用定位器的狀況下才會發生) After switching on the power, EC is shown in the display panel, meaning that there is no synchronizer. (This error code will happen only when using synchronizer)</p>	<p>馬達可正常運轉,但自動進入無定位器的操作模式運作,且切線,掃線,上定位等以及所有定針縫式樣縫製功能亦將全部關閉成無效狀態。(自動轉入C.L.M 的操作模式) Motor can still run normally but operation will enter into the mode of no synchronizer. Also, all sewing functions of trimming, wiping, positioning and constant stitch, etc will be shut off, becoming invalid. (Automatically entering into the operation mode of C.L.M.)</p> <p>因為此型號不使用定位器,問題為主基板上的R103等元件故障,更換主基板確認 As synchronizer is not used for this model, components R103,etc on the main board being defective is the cause. Replace the main board for verification.</p>	