BECS-A15 Error Message and Handling Guide V1.0

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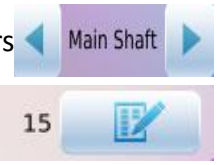
Error code	Error name	Solution
EC08	Design not confirmed but Pull Bar to start	This error code means need confirm the design first before start machine. Press  button to 
EC09	Back to origin and Pull Bar	This error code means the design has been frame back to the origin, there is no need to frame back again
EC11	design not Found in Memory	This error code means there is no design in the memory, Need to input the design again and confirm design again
EC12	Main shaft motor Stop position error	1、You can manually turn the black spindle handwheel shown below to observe whether the mechanical dial reaches 100 degrees,Or observe that the icon on the main interface changes from  to   2、Press the main screen icon  ,Perform spindle jog operation and observe the icons on the main screen from  to  3、If the display is still out of position after performing the spindle jog operation, click the expert parameter  ,Enter the parameter setting interface, click the page key to go to the spindle related parameter

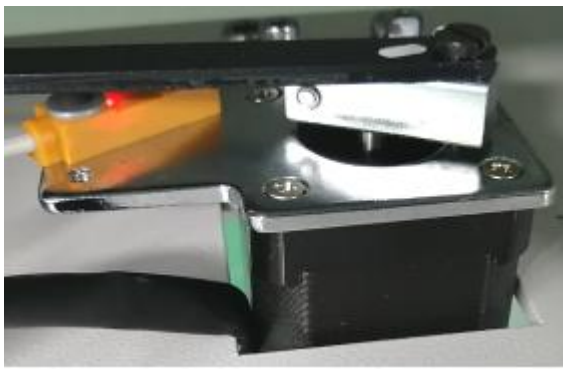
		interface adjust the following parameters 
EC13	pantograph move to the limit position	1、Observe whether the pantograph exceeds the soft limit of mahcine 2、Select the type of frame that matches the actual size of the frame, and select the icon on the main screen  ,Click the icon  3、Enter the frame selection interface and select the actual frame type
EC14	Motherboard Lost Memory	This error code means the motherboard memory data error. If machine has been power off for a long time, the battery of motherboard voltage maybe low,and need rechargered. If the error occurs frequently when switching the power of the machine, you need to replace the motherboard battery shown below 
EC15	Slave mother Board Lost Memory	1、Observe whether the adapter board of the main board is inserted properly 2、Replace the adapter board for testing

EC16	Abnormality of XY Motor	1、After the machine is turned off, manually push the frame to see if the frame can move smoothly. 2、Click on the debug icon  Then select the "XYZ drive parameter debugging" option  select  , View the current fault code of XY and record the fault type, as shown below   3、Check whether the XY motor cable is normal, whether there is broken skin and poor contact, re-plug test 4、Replace the XY motor for testing
EC17	Color Change overtime	1、Whether the handwheel of the color-changing motor can be rotated normally and whether it is stuck  2、Perform the color change operation and observe whether the color change motor can rotate. If it cannot rotate normally, check whether there is a problem with the wiring and check whether there is a problem with the driver board PC2220 3、Check whether the color change potentiometer is damaged or decoupled from the color change motor

		
EC18	Color Change Semi-rotary Signal Error	1、 Manually adjust the color change device to see if there is a stuck phenomenon 2、 Check whether the color change potentiometer is damaged, whether it is off-axis, and whether the wiring is normal  3、 Manually adjust the color-changing connecting rod until the two signal lights on the needle position board light up at the same time, or observe the display to adjust the needle position 4、Replace the color-changing motor for testing
EC19	Abnormality of Needle Position	1、Observe whether there is a needle position display on the main screen. If there is no needle position number, you can manually shake the color-changing handwheel for calibration as shown below until the needle position is displayed. 

		2、 Check whether the color change potentiometer is damaged or decoupled from the color change motor 
EC20	Main Shaft Motor overtime	1、 Manually turn the spindle handwheel in the figure below to see if the spindle can turn smoothly and if the resistance is too large  2、Turn the handwheel at least once to observe whether there is any change in the spindle position icon on the main interface   , If there is no change, you need to clean or replace the following photo E923 optocoupler board  3、Click “  ” → “Spindle” → “Spindle speed and encoder test” , Observe whether the data in the figure below is normal

		 OPL 50±10 APL 2000±3 BPL 2000±3 4、 If the test result is inaccurate, you need to check whether the main motor encoder and power cord plug are connected to the drive reliably, such as OPL, APL, BPL, if the detection is 0, then the zero position optocoupler board E923 is dirty or damaged 5、Change main shaft motor test
EC21	Color Change needle number beyond Limit	Click on expert parameters  , Enter the parameter setting interface, click the page key to go to the machine configuration interface  , Check whether the parameter setting of "Model Number of Needles" is consistent with the actual number of stitches of the machine 
EC26	Trimmer not	1、Check whether the trimmer origin detection sensor is

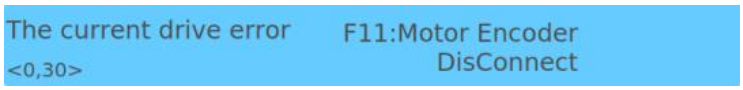
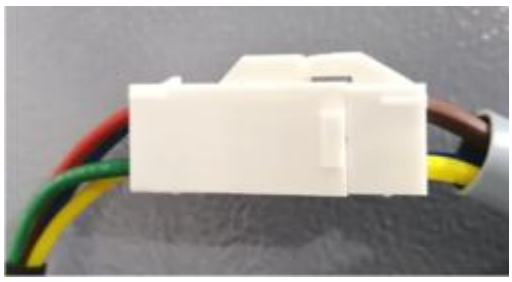
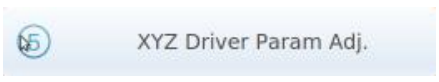
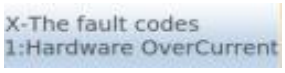
	in Position	damaged and whether the red light can be turned on or off normally  2、Check whether the thread trimming origin detection sensing device is too far from the detection sensor, and adjust the sensor distance appropriately
EC36	Sequin device at lower position	The error report is that the sequin device is in the lower position, and the frame removal operation is temporarily not allowed. You need manually raise the sequin device before you can perform the frame removal operation.
EC37	Pull bar Error	After executing high-speed frame back to the stop point or returning to the origin, executing the high-speed frame back again will report an error, just clear the error
EC38	Taping Head Action overtime	The Taping head works abnormally, you need to check whether the Taping head is manual and the test is normal
EC40	Trimming Overtime	1、Check whether the mechanical part of the trimmer is stuck, whether the trimmer can open the knife normally 2、Check whether the wiring part of the trimmer motor is normal 3、Check whether the trimmer origin detection part is normal, whether the sensor is damaged, and whether the sensor position is normal

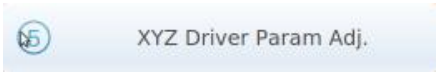
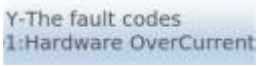
		
EC41	Design File not Found in Memory	1、Redo the operation 2、Operate again after power off/on again 3、Click the pattern management icon on the main screen  , Enter the pattern management interface, click the icon  , Implementation of "Internal Pattern Total Clearance"  4、Re-input the pattern
EC42	Memory Directory Full	Need to delete some pattern design file to free memory space： 1、Click the pattern management icon on the main screen  , Enter the interface 2、Select the unneeded pattern, click the single / multi-select switch icon  Can choose multiple patterns 3、Click the icon after selecting the pattern  Delete selected patterns to free memory space
EC43	Memory Space Full	Need to delete some pattern design file to free memory space： 1、Click the pattern management icon on the main interface  , Enter the interface

		2、Select the unneeded pattern, click the single / multi-select switch icon  Can choose multiple patterns 3、Click the icon after selecting the pattern  Delete selected patterns to free memory space
EC44	File Allocation Table Error	1、Click the pattern management icon on the main interface  ，Enter the pattern management interface, click the icon  ，Perform "Memory Pattern Total Clear"  2、Re-input the design file
EC45	File Catalog Error	1、Click the pattern management icon on the main interface  ，Enter the pattern management interface, click the icon  ，Perform "Memory Pattern Total Clear"  2、Re-enter the pattern
EC94	Can't Edit Pattern under Emb	The embroidering design can not be edit,you need to remove the embroidery operation status first, execute 
EC113	Stepping Trimming Motor overtime	1、Check if the mechanical trimmer part is stuck 2、Check whether the motor wiring is normal, the line sequence is normal, whether there is broken skin and poor contact 3、Replace the trimmer motor test

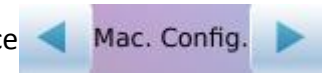
EC114	trimmer control board do not response	1、 Manual thread trimmer to observe whether the trimmer move smoothly 2、 Check whether the wiring of the trimmer motor is normal and whether there is bad contact 3、Check whether the CZ203 pin connection 9.10.11.12 of the PC2220 drive interface of the thread trimming drive board is connected  4、 Replace the thread trimming motor and the drive board PC2220 for testing
EC125	Infrared protection alarm	1、Check if the infrared protection sensor is connected 2、 If it is connected, it may be that the infrared protection sensor detects the blocking signal and causes the parking, and remove the blocking object 3、Detect whether the protection sensor is damaged
EC160	input design file over time	1、 Check whether the communication cable between the operation panel and the control box is connected properly 2、 Replace the communication cable of the operating panel for testing
EC161	output design file over time	1、 Check whether the communication cable between the operation head and the control box is connected properly 2、 Replace the communication cable of the operating head for testing
EC162	High speed	1、 Check whether the communication cable between

	frame forward over time	the operation head and the control box is connected properly 2、Replace the communication cable of the operating head for testing
EC163	High speed frame back sync over time	1、Check whether the communication cable between the operation head and the control box is connected properly 2、Replace the communication cable of the operating head for testing
EC164	Not set machine frame origin position	Set the origin of the frame： 1、Method 1: Press the main screen icon  , Enter the setting interface and click the icon  , Then click on the automatically set origin icon  2、Method 2: Press the main interface icon  , Enter the setting interface and click the icon  , Click on the Auto Set Origin icon  Note: Click the button of automatic embroidery frame origin, the system will automatically move the frame, and determine the origin of the embroidery frame according to the limit switch. Therefore, when using the automatic embroidery frame origin, the system must install limit sensor

EC165	In emb,can not set machine origin	Click  →  Set after canceling the embroidery operation
EC166	Main motor / frame motor driver error	1 、 View the current fault code, click the debug icon  then click  , Select"Main Shaft Param Test"  2、View current drive errors  3 、 Check whether there is a problem with the motor power line. As shown in the figure below, whether the cable sequence is normal, whether there is broken skin and short circuit, re-plug test  4、Replace the spindle motor test
EC167	X Axis Driver Error	Steps for stepping open loop motor: 1 、 View the current fault code, click the debug icon  select  , select  , View X current fault code，  2、Check whether the power cable of the X-axis motor is

		connected, as shown in the figure below, whether the CN10 cable is connected properly, whether there is broken skin and poor contact, re-plug test  3、Replace the X-axis motor for testing Steps for stepping closed-loop motor: 1、First follow the above steps to check, check the current fault code, and troubleshoot according to the fault code  2、Check whether the motor encoder cable is connected, as shown in the figure below, whether the CN2 cable is connected normally, whether there is broken skin and poor contact, re-plug test  3、Replace Y-axis motor test
EC168	Y Axis Driver Error	Steps for stepping open loop motor: 1、View the current fault code, click the debug icon  select  , select  , View Y current fault code,  2、Check whether the power cable of the Y-axis motor is connected, as shown in the figure below, whether the

		CN9 cable is connected properly, whether there is broken skin and poor contact, re-plug test  3、Replace the motor for testing Steps for stepping closed-loop motor: 1、First follow the above steps to check, check the current fault code, and troubleshoot according to the fault code  2、Check whether the motor encoder cable is connected, as shown in the figure below, whether the CN2 cable is connected normally, whether there is broken skin and poor contact, re-plug test  3、Replace the motor for testing
EC169	Spindle Driver Error	1、View the current fault code, click the debug icon  select  select  2、View current drive errors  3、Check whether the motor encoder cable is connected, as shown in the figure below, whether the CN3 cable is connected normally, whether there is broken skin and poor contact, re-plug test

		 4、Change spindle motor test
EC172	Frame Finding Origin Timeout	1、Check whether the XY limit optocoupler is normal, whether there is oil stain or damage 2、Check whether the relevant parameters of the limit origin are set correctly, click on the expert parameters  , Enter the parameter setting interface, click the page key to go to the machine configuration interface  , Check if the following three parameters are set correctly