



This products with the double digit tube display and two press key.



Picture 1

Picture 1 : the interface when turn on the machine

1. Parameter list

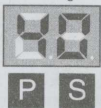
| Parameter | function                       | description  |
|-----------|--------------------------------|--|
| V         | Parameter for adjust the speed | Speed=Value show in the digital X100(RPM/Min)  |
| M         | Set needle position function   | 0: turn off needle position function<br>1: turn on needle position function  |
| Y         | Parameter for needle position  | Digital tube show “.” in upper location means upper needle position and in down location means down needle position<br>Note: Y do not work when M value is 0 |
| b         | Set the rotation               | The LED light running direction in the right side digital tube means the rotation of the motor   |

2. Parameter adjustment

2.1 Parameter Adjustment For Speed



Picture 2



Picture 3

On the interface, press P, and then the digital show V(Picture 2), press S show the speed value(Picture 3), continue press S can adjust the speed value. When adjust ,if the small point of the digital is twinkling ,means adjustment is not saved.



Picture 4

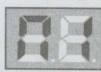


Picture 5

The way to save the adjustment: press P. Show OK(Picture 4) means success, show Er(Picture 5) means failed.

The way to give up adjustment: turn off the power, and waiting till the digital tube light turn off.

2.2 Parameter Adjustment For Auto-Needle Position Function



Picture 6

In the P interface, press key P several times quickly, will enter parameter M(Picture 6). Through press the right key S can adjust the value of M.

Save the adjustment: press P.

Show OK means success, show Er means failed.

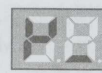
Give up adjustment: turn off the power, and waiting(about 20s) till the digital tube light turn off.

2.3 Auto-Needle Position Model Adjustment

In P interface, to press the key P with several times quickly, the left side digital tube will show Y, and then press the right side key to adjust the needle position model.



Picture 7



Picture 8

Note: If parameter M value is 0 then this parameter not work.

2.4 Motor Rotation Adjustment



Picture 9

In P interface, press left side key with several times quickly till the left side digital tube show b, then through press the right side key to adjust the ration of the motor.

1) Before use the motor ,confirm the rotation of the sewing machine head first(clockwise rotation or counter clockwise rotation).

2) When the motor used in different type of sewing machines, please to adjust the motor rotation accordingly in parameter b. details refer to“b the list of motor parameter and motor direction”.

2.5 Restoring To Factory Setup

When the control box can not work regularly, through restoring to factory setup make the machine can work regular again.

Press S (about 3 seconds)on the P interface till the digital tube shows “OK” will recover the system parameter to the factory setting. If shows Er means failed.

MOTOR INCORP. JK-E798D-25A JACK ZJTZ-LH

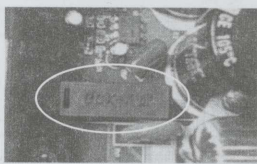
Please find the list of motor parameter and motor direction as below

| Parameter b                               | Belt Driver | Direct Driver Overlock/Inter-lock | Direct Driver Lockstitch |
|---|-------------|-----------------------------------|--------------------------|
| Right digit tube run in clockwise         |             |                                   |                          |
| Right digit tube run in counter clockwise |             |                                   |                          |

MANTAINANCE AND GENERAL RECOVERY PROCESSING

If the machine went wrong, maintenance and operation should be operated under professional trained person.

1. No reaction when turn on the power control box



Picture 10

Please check whether the plug is inserted, the power cord and the fuse are in good condition(The fuse is inside the control box as picture 10 , please replace the fuse which as the same type as before if the original one is burnt.)

2. Control box is connected, but the motor doesn't work when pressing the pedal. Motor speed is not controlled by the governor.

Please check if the plug of speed controller, motor and motor signal wire is connected to the socket in control box correctly. Check if the speed controller is broken or not.

3. The rotate speed of motor sometimes fast and sometimes slow

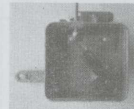
Please check if the belt is too loose, or the belt puller slipped, or the pedal and tension rod is loose.

4. The motor suddenly stopped during running

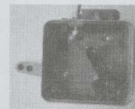
Please check if the machine load too heavy first or there is mechanical problems. Then check if the power socket and plug connect well to the motor hall socket and plugs well. It's same to the socket and plug of speed controller.

5. The motor will run without stop

Please check it if the position of alnico within speed adjustor changed. The method is as below mentioned: Open the plastic cover of speed controller, loose the fixed screw. Then adjust the position of swinging arm (picture 11 is the position of swinging arm when working), make the alnico within swinging arm on the right up of the part hall, (picture 12 is the position of swinging arm when stopping), generally, the machine could stop. If not, adjust the position again by clockwise.



Picture 11



Picture 12

6. If turn on the machine the fuse immediately burnt, after change the same specification fuse the problem still can't solve, please contact with the local agent to repair.

7. Other problems not list above, please contact with the local agent.

Error list

| Error code | Reasons                              | Solution  |
|------------|--------------------------------------|---|
| E1         | Motor with locked-rotor problem      | Please reduce the load capacity then restart the motor. Please check if the sewing material is too heavy. Please check if the machine needs lubrication. Please check if the 10core line connect well or not.                                 |
| E2         | over-current or under-voltage        | Please check the voltage. Because of supercharge or controller failure, if turn on the motor again can't solve the problem, please contact the local agent. Please check if the 10core line connect well or not.                              |
| E3         | The board can not read the parameter | Please turn off the power and then turn it on again. If can't solve the problem, please contact the local agent.  |
| E4         | Hall signal error                    | Please check if the 10core line connect well or not. Please check if the connect line of hall is well or not.   |
| E5         | Needle position with problem         | Please check if the positioner connect well. (if the positioner damage or don't need needle position function and with Er5 code, please keeping press S around 3seconds, enter parameter model, set M value into 0 can turn off the function. |

Note: If the control box give the error code made the machine can't run, please don't turn on the power till the problem solved.