



BRUSHLESS SERVO MOTOR INSTRUCTION CS-1000 & CS-1001

1. THE STARTING SEWING SETUP

Motor manufactured speed is "S.6". If you want to reset the starting sewing speed, press the "▼" button for several seconds, when LED is "S.0", press the "▲" button with 1 times. When LED is "S.1", then press the "▼" button again, when LED shows "L.X"(X means 0---9: 0 means the quickest speed, and 9 means the lowest), Press "▲" or "▼" key to adjust. 5 seconds later, the set pattern will be automatically saved;

2. MOTOR ROTATING DIRECTION

Motor default setting is the reverse direction. If you need to reset: when motor stops, press the "▼" button for several seconds, when LED is "S.0", press "▲" button with 2 times; When LED is "S.2", then press the "▼" button, LED shows "r.E" or "r.P". If you want to change the direction, Press "▲" or "▼" key to switch between E and P (E means reversed direction, P means normal direction.) to meet the requirement of sewing machine. 5 seconds later, the set pattern will be automatically saved;

3. THE MAXIMUM SPEED SETUP

Motor manufactured limit speed is 3800rpm/min. If you want to reset the speed, When motor stops, press the "▼" button for several seconds, when LED is "S.0", press the "▲" button with 3 times; When LED is "S.3", then press the "▼" button again, the LED shows the current set speed. You could set the maximum speed by pressing "▲" or "▼" key (The speed change is based on 100r separated). 5 seconds later, the set pattern will be automatically saved;

4. STEPLESS CHANGE SPEED

Motor is running, step the footplate, the motor makes stepless change speed by the different footplate strength in the range of the maximum working speed. Release the footplate, and the motor stops instantly.

5. NEEDLE POSITION SETUP (CS-2001)

When motor stops, Press the "▲" button, LED shows the "P.u", it shows that when motor stops, it is needle up. Press "▼" button, LED shows the "P.d", it shows that when the motor stops, it is needle down. (If needed, you could contrary step the footplate after the motor stops, the needle head will be back to the opposite position instantly.)

6. THE MOTOR TROUBLE INSTRUCTIONS AND HOW TO SOLVE THE TROUBLE

Err1: It means that the hardware current is projected.

Check the "MOTOR" and "HER" mark in the PC board, confirm these two lines are ok or not.

Err2: It means that the motor phases signal error.

Check the "HER" mark on the PC board, confirm this line is ok or not.

Err3: It means that the motor over-current protection

The trouble tells the motor load is too heavy.

Err5: It means that display module and control module communication error.

Check the "LED" mark in the PC board, confirm this line is ok or not.

Err6: It means that the pedal sensor error.

Check the "SPEED" mark in the PC board, confirm this line is connected or not; the light Barrier's position is ok or not. Check the light tube in the sensor is ok or not.

Err8: It means that the up position has no signal.

Check the position sensor is connected with the power plug in the back of the motor or not.

Err9: It means that the down position has no signal.

Check the position sensor is connected with the power plug in the back of the motor or not.

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