

USER MANUAL

1. SAFETY INSTRUCTIONS:

- 1.1. Instruction and trial-run must be done by professional technician;
- 1.2. Pls ensure the grounded wire working well;
- 1.3. Do not step on foot pedal when motor turns on;;
- 1.4. Control box and motor cover are forbidden to open when power turn-on;;
- 1.5. Pls Ensure power off during below operations:
 - a) When threading, changing needle and inner stitching thread;
 - b) When installing machine and maintaining;
 - c) When turning over the machine

2. OPERATION PANEL INSTRUCTIONS:

2.1. Each Key purpose:

KEY	SEWING MODEL	FUNCTION MODEL
P	Needle position choice	Confirm the operation, it will enter into setting model with other keys;
S	LED light on-off	Confirm the parameter setting.
+	Sewing speed-up	Key to add parameter and index
-	Sewing slow-down	Key to reduce parameter and index

2.2. ADJUSTING TECHNICIAN MODEL PARAMETER:

- a) Press key "P", meanwhile press key "+" once, the screen will show P-00;
- b) Press key "+" or "-" till the parameter model no. required;
- c) Press key "P" into parameter, the screen will show the parameter;
- d) Press key "+" or "-" till the required parameter;
- e) Press key "S" to save parameter and quit.

2.3. RESTORE FACTORY SETTING:

Press key "P", meanwhile press key "+", the screen will show P-00; Then press key "S" 3 seconds, it will resource factory settings;

3. TECHNICIAN MODEL PARAMETER DIAGRAM

PARAMETER CODE	DESCRIPTION	ADJUSTING SCOPE	FACTOYR SETTING	REMARK
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P-02	Direction of rotation	0: Reverse turn 1: Clockwise turn	1	
P-03	The needle Angle	6-18	12	
P-04	Sewing begin speed	200-800rpm	250	
P-05	Speed-up and slow-down	2000-4000rpm	3500	
P-06	Setting the seam	0-999needle	0	
P-10	Automatic clearance run	0: normal sewing 1: automatic clearance run	0	Turn off the power, running stop
P-14	Maximum current limit	50-1000	280	
P-15	The location of topper needle	0: No detecting 1: Detecting needle	1	

4. FAULT SOLUTION

ERROR CODE	CONTENT	REASON
Er01	No found needle position	The gap between handle wheel and motor cover is too big; Nine plug connects not well; Motor hall broken, it should change new motor; The magnet in handle wheel is lost;
Er02	The speed regulator is not found when power-on;	Speed regulator plug not plug-in or badly connected The speed regulator wire is broken
Er03	Motor hall or phase error	Nine plug not connected well; Motor not installed well; hall broken;
Er04	Lock-rotor protection;	Motor overloaded Motor is not well connected
Er05	Hardware over-current protection	Motor overloaded Signal wire badly connected or broken;
Er07	Serial port communication timeout error	The wire between display and main board is not good or main board broken;