



C4 Training courseware

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Product introduction - general introduction

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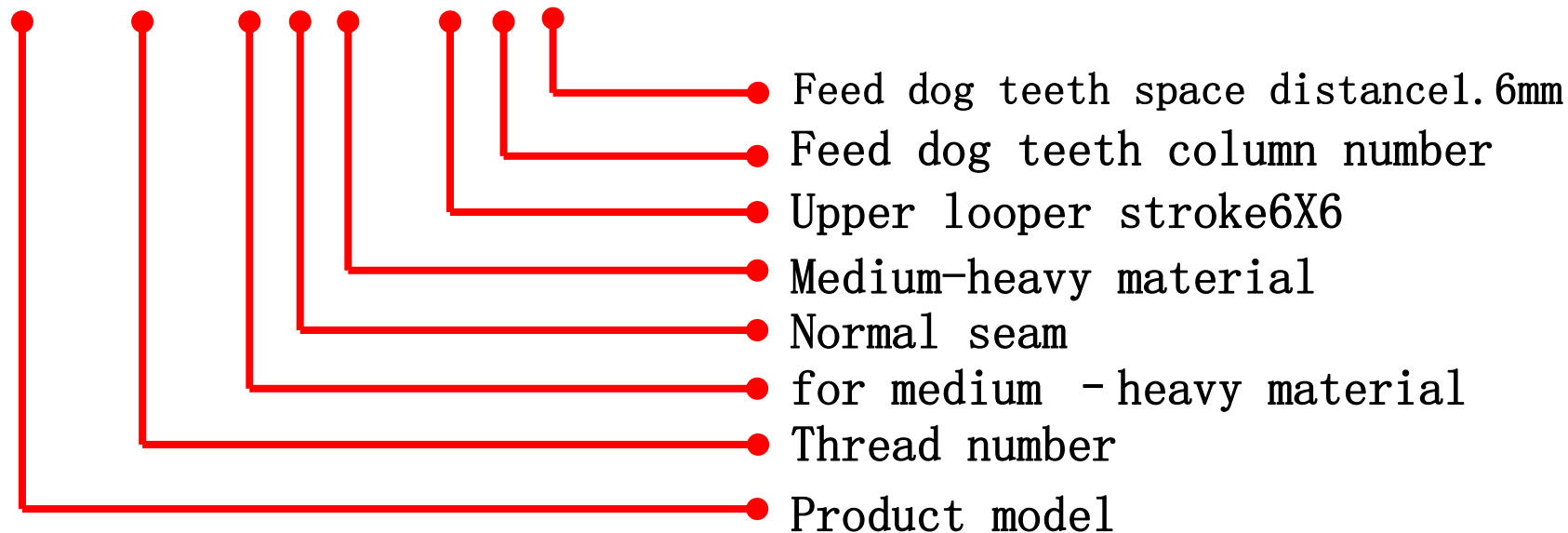
C4 series, super high speed automatic overlock machine, is iterative product of JK-900E, not only inherit the mechanical advantage of JK-900E, but only use non-shell hall servo motor, integrated control box, three proofing sensor, needle bar avoiding oil leakage technology, USB technology and several other new technology, voice guide, bigger sewing range, more stable sewing performance, more beautiful stitch, better machine appearance, novelty, compact structure, only need to connect with power, then start sewing easily.

Product introduction-Type plate introduction

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C4 - 4 - M 0 3 / 3 3 3



Product Introduction-technical specifications

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Type/Name	C4 The Fastest Automatic Overlock Machine
Highest Speed	7000rpm/min
Max Length (mm)	0.8-4.8
Thread Width (mm)	1.5-8.0
Differential	0.7-2.0
Presser Foot Height (mm)	5.0-7.0
Needle Type	DCX27
Needle Bar Height	(general) 10.4mm/12mm (heavy)
Needle Bar Stroke	(general) 24.5mm/26mm (heavy)

Product Introduction—various models

Parameters of Various models C4

Code	Model	Needle Type	Needle Number	Thread Type	Gauge (mm)	Stitch Width (mm)	Stitch Length (mm)	Differential	Presser Foot (mm)	Speed (S. p. m)	pneumatic	KS
1	C4-02×250 (Pocket)	14#	2	4	5	24	3.8	0.7-2	5	7000	✓	
2	C4-3-02/233 (general)	11#	1	3	——	4	3.8	0.7-2	5	7000	✓	✓
3	C4-3-12/233 (hem)	11#	1	3	——	4	3.8	0.7-2	5.5	7000	✓	✓
4	C4-3-32R2/223 (pearl stitch)	9#	1	3	——	1.5	3.8	0.7-2	5	7000	✓	✓
5	C4-3-82/233/P (pneumatic backstitch)	11#	1	3	——	4	3.8	0.7-2	5	7000		
6	C4-4-83/323/P (pneumatic backstitch)	11#	2	4	2	4	4.2	0.7-2	5.5	7000		
7	C4-4-M03/333 (General)	11#	2	4	2	4	4.6	0.7-2	6	7000	✓	✓
8	C4-4-M03/333/H/M (Heavy)	11#	2	4	2	4	4.6	0.7-2	6	7000	✓	✓
11	C4-5-53/233 (3×5)	14#	2	5	3	5	3.8	0.7-2	5	7000	✓	
12	C4-5-03/233 (5×5)	14#	2	5	5	5	3.8	0.7-2	5	7000	✓	✓
13	C4-5-03/333 (3×4)	14#	2	5	3	4	3.8	0.7-2	5	7000	✓	✓
14	C4-5-A04/435 (Super heavy)	19#	2	5	5	6	5	0.8-1.5	7	7000	✓	
15	C4-6-03/333 (6 thread)	11#	3	6	3×2	4	3.8	0.7-2	5	7000	✓	✓

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Improved point introduction

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New Outlook Design

New Visual Hammer

New Strip Technology

Improved point introduction

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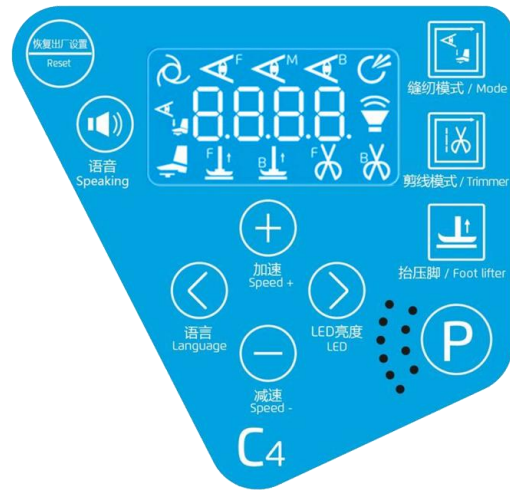
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USB upgrade



Integrated control
box, easy to use



New Panel
Easy to operate

Improved point introduction

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The thread clamp
device offset



Needle bar suction nozzle
To prevent the needle bar
leak oil



Inset LED light
Good looking

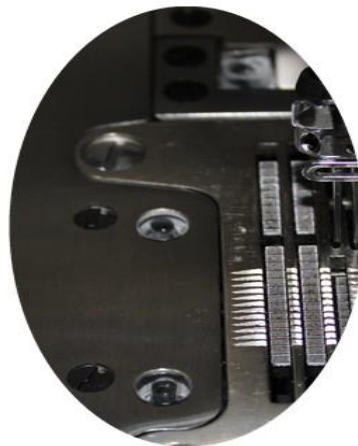
Improved point introduction

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Three transmitters



The sensor cover
wear prevention



Independent
presser foot wrench
Easy operation

Improved point introduction

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Built-in
compressive bar
Higher precision



Build-in
integrated box
Good looking

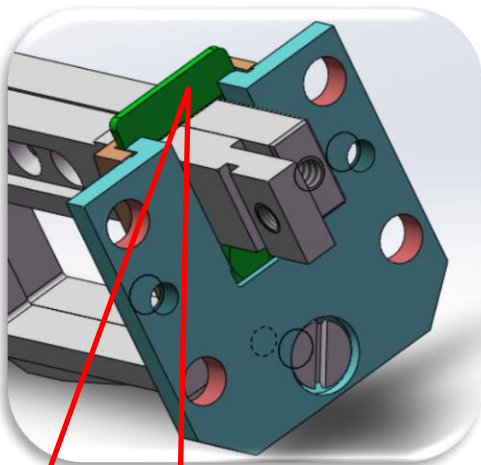


Presser foot push rod
fork design
Force uniform, noise
reduction

Improved point introduction

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The third piece of oil
seal
Oil leak prevention



Thread take-up
radian evenly
Collect thread
more stable



Hall without shell
Servo motor

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OPERATION INSTRUCTIONS

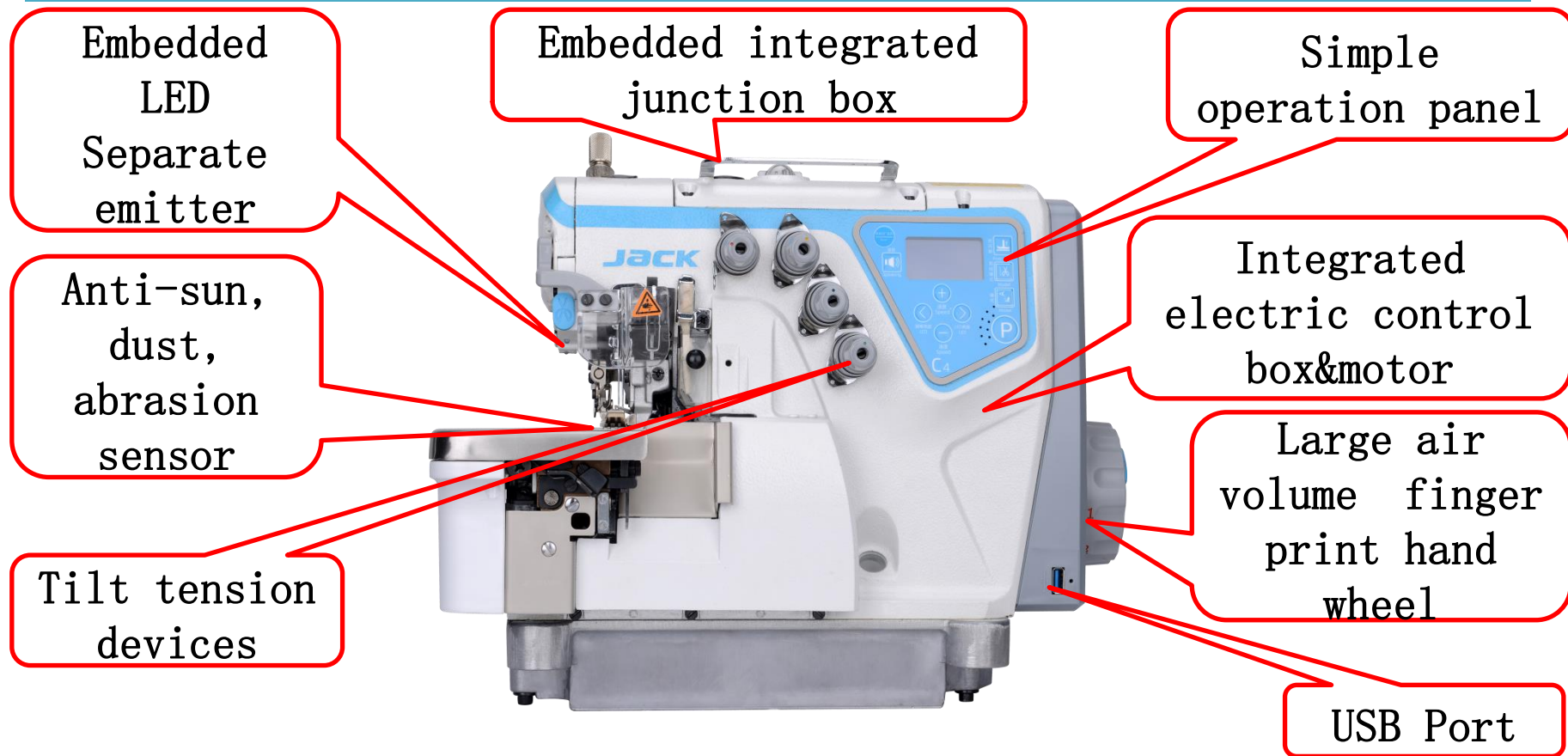
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MAINTENANCE INSTRUCTIONS

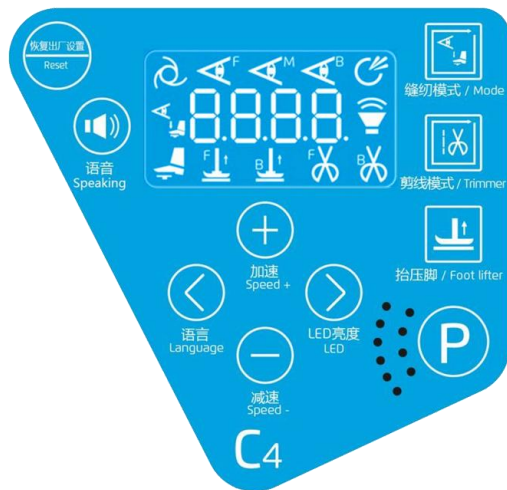
Operation instructions - machine introduction

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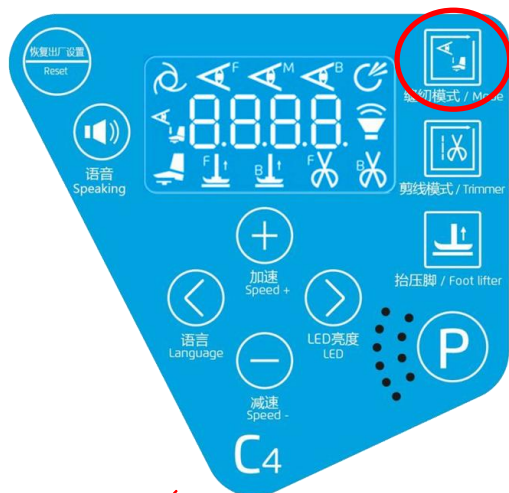




Operation instructions - Introduction to the operation interface



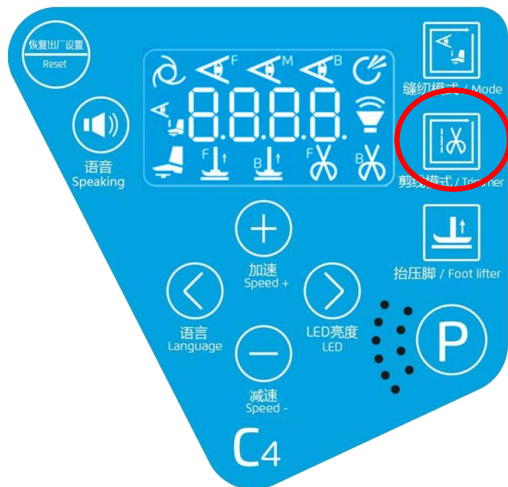
No	icon	introduction	remarks
1		User parameter setting key	Enter user parameters
2		Left key	1, backlight brightness adjustment 2, parameter content area, select the left side of the parameters of the degree of items
3		Up key	1、Increase Speed2、 parameter content area, increase the parameter
4		Down Key	1、 Decrease Speed2、 parameter content area, decrease the parameter
5		Right Key	1, Adjust LED brightness 2, parameter content area, select the right side of the parameters
6		Sewing Mode	Change the sewing mode
7		Auto-presser-foot Key	Change the auto-presser-foot mode
8		Trimmer Parameter setting Key	Change the length of the thread and the thread trimming switch
9		Reset Key	Long press 1.5S to restore factory settings
10		Voice guide key	Voice broadcast switch

Operating Instructions – Introduction to the three operating modes









Press the mode key (), You can adjust the three modes, continuous press this key, followed by three modes: all intelligent (three automatic), semi-intelligent (two automatic), Full computer (Step for sewing, back step for trimming , After setting, press () to save, .

Note: (parameter association) 5S no action is back to the standby interface
In the corresponding mode to modify the maximum speed of P1, P3 starting speed, P10 automatic presser foot lifter, P17 semi-intelligent continuous sewing, P27 before thread cutting the number of delay stitches, P28 after thread cutting the number of delay stitch, P50 anti-cutting fabric sensor stitch delay number and the P21 is changed to 1, and then the mode is switched, the corresponding parameter value is synchronized to the parameter value in the current mode.
(Note: the recovery key is useless)



Press trimmer mode key

() , to adjust the trimmer mode, continuously press this key, switch the trimmer mode In cycles: Pre-cutting、after cutting、Pre & After cutting、Off、Pre-cutting length adjust

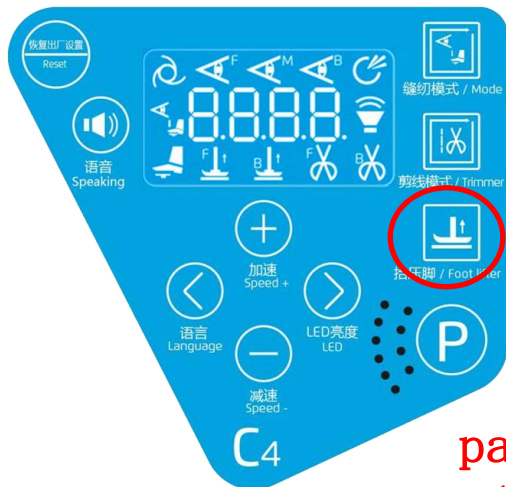
(Press 、 , Small value means long) 、 After cutting length(Press 、 to adjust, Big value means long) , After adjustment then press () to save, 5S no action is back to the standby interface.



Operating Instructions

- auto presser foot lifting introduction

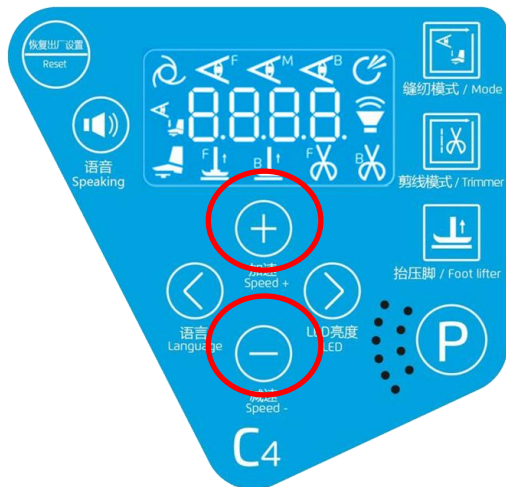
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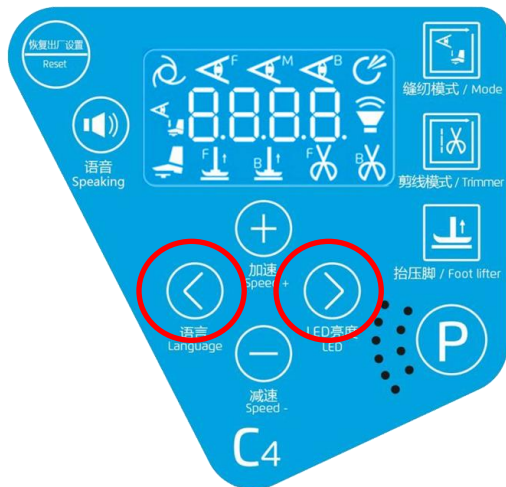



Press auto-presser-foot Key (), to adjust the auto-presser-foot mode, continually press this key, switch the auto-presser-foot mode In cycles: Pre lift、after lift、pre&after lift、Off, press () to save, 5S no action is back to the standby interface.


parameter association: When P10=1 or P10=3 (Pre lift or pre&after lift) , P17 automatically turns to 1, Auto-presser-foot-lifter will be on in half-auto mode

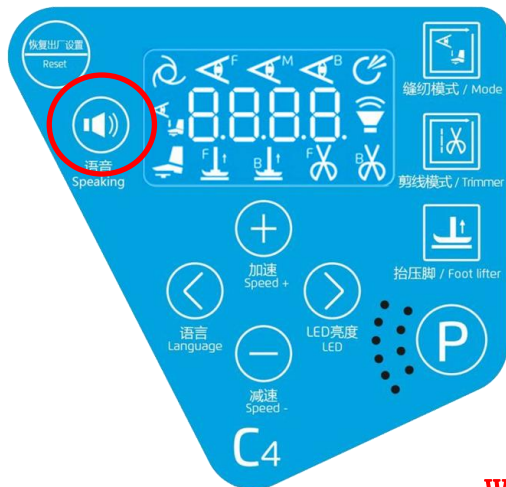




In stand-by mode, press **+** (**speed up**) one time increase by 100RPM, press **-** (**speed down**) one time decrease by 100RMP , then press (**P**) to save, if no any press for 5S, then it will be back to stand-by mode automatically.



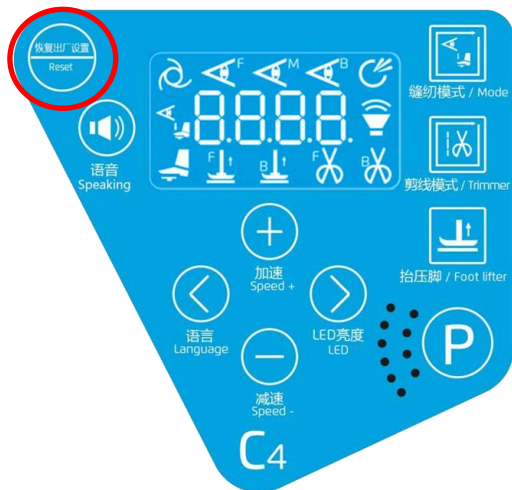
There are three levels for the screen brightness. In stand-by mode, press  continuously to adjust the screen brightness. Now, instead of Eight kinds of countries' language for switching



There are four levels for the LED  brightness. In stand-by mode, press continuously to adjust the LED brightness(First level is off).



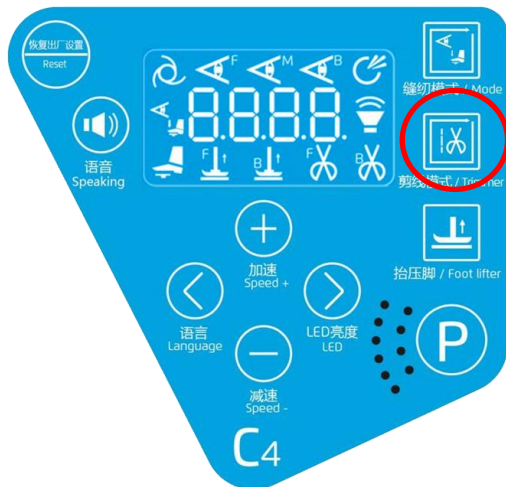
There are greeting voice and key-pressing guide voice. In stand-by mode, short press  to turn on and off the greeting voice. Long press  to turn on and off the pressing guide voice.


When Error is there, you can short press the voice key to guide you how to solve the problem.

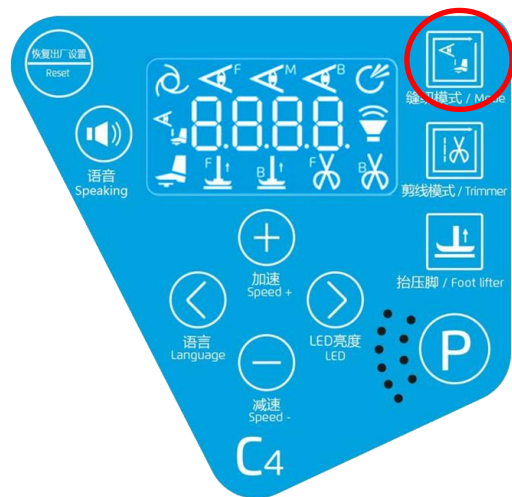



Press  for 1.5s to user default parameter reset (user default parameter: Users adjust the parameter according to his own habit and requirement; After changing value of parameter 21 to 1 for backup; press  is for user default parameter reset.

Press left and right key together for 1.5s is for factory default parameter reset



When you change the value of parameter 62 to 1, all the keys in the panel will be locked, all the keys don't work. Long press  for 1.5s to unlock, all the keys will work.

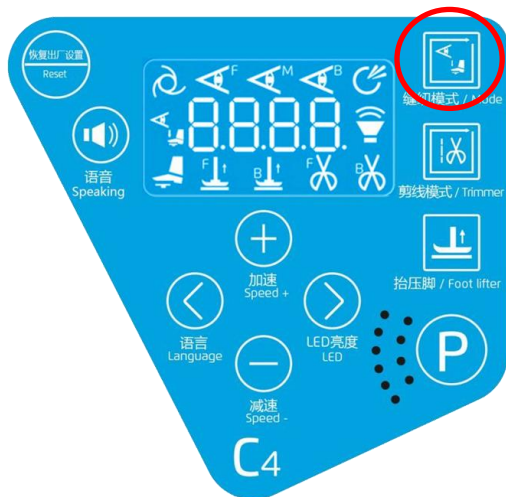



Long press key  3S, avoid-cutting sensor switch quickly change, avoid-cutting sensor is turned on by default, avoid-cutting sensor delay stitches (P50) defaults to 0. (If the P50 item saves the parameter value change, the P50 item parameter is equal to the user saves the parameter value). When the avoid-cutting sensor is turned off by default, the post-sensor delay stitches (P28) defaults to 8. (If P28 items save the parameter value change, then the P28 parameter is equal to the user to save the parameter value)

Operating Instructions — Introduction for quick switch adjustment of avoid-cutting sensor

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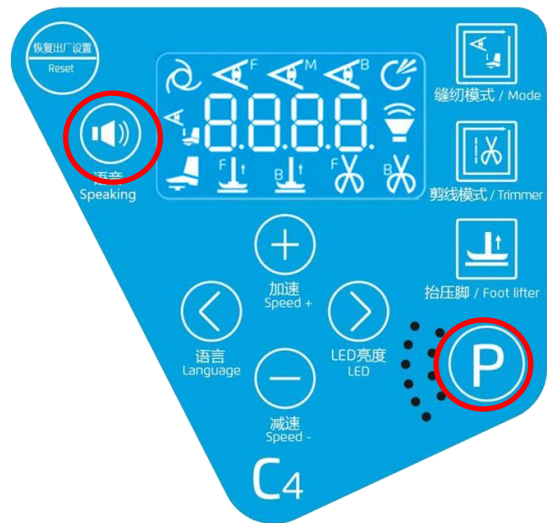


Long press key 3S, avoid-cutting sensor switch quickly change, avoid-cutting sensor is turned on by default, avoid-cutting sensor delay stitches (P50) defaults to 0. (If the P50 item saves the parameter value change, the P50 item parameter is equal to the user saves the parameter value). When the avoid-cutting sensor is turned off by default, the post-sensor delay stitches (P28) defaults to 8. (If P28 items save the parameter value change, then the P28 parameter is equal to the user to save the parameter value)



Instructions-Automatic environment recognition function: (new function)

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According to different environments, machine will automatic identification of environmental functions, the specific operation is as follows:



























Under the standby mode, press the P () key + the voice () key,

Enter to environment automatic identification function, after identify will automatically return Go back to the sewing interface.

Digital part:






Actual value	0	1	2	3	4	5	6	7	8	9
Digital display										

English alphabet part:

English alphabet	A	B	C	D	E	F	G	H	I	J
Digital display										
English alphabet	K	L	M	N	O	P	Q	R	S	T
Digital display										
English alphabet	U	V	W	X	Y	Z				
Digital display										



Operating Instructions - Parameter mode introduction





1. User parameter mode MOV

In the standby interface, press the P () key 1.5S, enter the user parameter mode adjustment: through the key,  Key  to modify the parameter adjustment item, through the key , key  to adjust the corresponding parameter value.

The user parameter mode is from P01 to P25.



2. Technician parameter mode MOV





In the standby interface, press P () + presser foot lifter () 1.5S, enter the technician parameter mode




Adjustment: by key  key  to modify the parameter adjustment items, through the key , key  to adjust the corresponding parameters

Numerical values. The user parameter mode is from P26-P68.

3. System parameter mode MOV

Press the P () key + the up key () 1.5S in the standby interface and enter the password 111 (respectively

Corresponding key , key , key ) , enter the technician parameter mode adjustment: through the key 

And key  to modify the parameter adjustment items, through the key  to  adjust the corresponding parameter values. user

The parameter pattern is from P69 to P79.

Operation instructions– Parameter Introduction

No.	Function parameter	Range	Defaults	Parameter Description
User area: press and hold the "P" key for 1.5 seconds to enter				
P1	Maximum speed	500 – 7000	6000	RPM
P2	Stop positioning selection	0 – 2	1	0: No positioning 1: up position 2: down position
P3	Start speed	500 – 7000	5500	RPM
P4	Start mode	0 – 1	0	0: Auto mode 1: foot control mode
P5	Mode selection	0 – 2	1	0: Fully computerized 1: Half intelligent 2: Fully intelligent
P6	Voice volume adjustment	0 – 3	2	0: off 1-3: on

Operation instructions– Parameter Introduction

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P7	Auto trimmer	0 - 3	3	0: off 1: start trimmer 2: end trimmer 3: start and end trimmer
P8	Auto suction	0 - 4	0	0: off 1: suction on for start trimmer 2: suction on for end trimmer 3: suction on for start and end trimmer 4: suction always on
P9	Reverse press pedal trimmer switch	0 - 1	1	0: off 1: on
P10	Auto presser foot lifter	0 - 3	0	0: off 1: start lift 2: end lift 3: start and end lift
P11	presser foot lift when sewing stop	0 - 1	0	0: off 1: presser foot lift
P12	presser foot lift after trimmer and stop	0 - 1	0	0: off 1: presser foot lift

Operation instructions– Parameter Introduction

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P13	resser foot lift when half reverse press pedal	0 - 1	1	0: off 1: presser foot lift when half or full reverse press pedal
P14	manual suction	0 - 2	0	0: off 1: back suction 2: front and back suction
P15	LED light switch	0 - 3	1	0: off 1-3: on
P16	sleep mode switch	0 - 1	1	0: off 1: on
P17	Semi-auto continuous sewing	0 - 2	2	0: Off 1: Touch front pedal for continuous sewing 2: continuous sewing ignore front sensor switch
P18	Semi-auto Constant speed trimming	0 - 1	1	0: off 1: Fixing speed for front trimming

Operation instructions -parameter Introduction

P19	control software version		V**	control software version
P20	Panel software version		V**	Panel software version
P21	User parameters commonly used	0 - 1	0	0: No operation; 1: Save parameter for user commonly used
P22	Front sensor switch	0 - 1	1	0: off 1: on
P23	Front suction opening time	1 - 250	5	Front suction opening time (*100 ms)
P24	front Suction closed time	0 - 250	0	Front suction closed time , 0: no closed (*100 ms)
P25	Back sensor switch	0 - 1	1	0: off 1: on

Operation instructions -parameter Introduction

Technician area: press “P”and “presser foot key “as the same time

P26	Stitch between front and back sensor	1 - 250	100	Setting stitch number, Machine stopping if finishing fabric sewing and no shield for the sensor.
P27	stitch delay for front trimming	0 - 10	2	Stitch number more, thread short
P28	Stitch delay for back trimming	0 - 50	8	Stitch number more, thread short
P29	Stitch for front suction opening time	0 - 50	0	
P30	stitch number for front suction	1 - 250	25	
P31	Back sensor closing delay	1 - 50	2	(*100 ms)
P32	Sensor Switch (for avoiding cutting the fabric	0 - 1	1	0: off 1: on

Operation instructions -parameter Introduction

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P33	sensor sensitivity (for avoiding cutting the fabric)	20 - 40	36	Sensitivity is more higher, its easy to identify the transparent material.
P34	Stitch number between back sensor and third sensor.	1 - 99	99	
P35	Stitch delay for machine stopping	1 - 99	1	
P36	Front sensor response time	5 - 50	10	(*10 ms) (Sensitivity)
P37	Front sensor sensitivity	20 - 40	36	Sensitivity is more higher, its easy to identify the transparent material.
P38	Back sensor sensitivity	20 - 40	36	Sensitivity is more higher, its easy to identify the transparent material.
P39	Front presser foot protect time	1- 50	2	(*100ms) The time is more longer, The presser foot can lasted longer.

Operation instructions -parameter Introduction

P40	Back presser foot opening time	0 - 20	0	(*100 ms)
P41	Presser foot giving power time	1 - 50	10	(*10 ms)
P42	Presser foot giving power round signal	0 - 50	15	(/10 ms) Opening time, The round time is 5MS.
P43	Presser foot release time	1 - 99	10	(*10 ms)
P44	Presser foot protect time	1 - 20	5	S
P45	Trimming time	1 - 100	40	
P46	Continuous feeding suction	0 - 2	0	0: Turn off front suction 1: Continuous suction 2: Front and back suction at same time
P47	Manual trimming switch	0 - 1	1	0: off 1: on

Operation instructions -parameter Introduction

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P48	Search needle up position	0 - 1	0	0: off 1: on
P49	Presser foot closing round signal	0 - 50	35	(/10 ms) closing time , The round time5MS
P50	Stitch number delay ,Sensor for avoiding cutting fabric	0-50	0	stitch number more, the thread is long after trimming.
P51	Dot Needle parameter	0 - 9	3	no
P52	Testing speed	500 - 7000	5500	RPM
P53	Testing working time	1 - 250	3	S
P54	Testing stopping time	1 - 250	3	S
P55	A Item testing	0 - 2	0	0: off 1: on 2: sleeping

Operation instructions -parameter Introduction

P56	B item testing	0 - 2	0	0: off 1: on (magnet tesing) 2:tesing fabric status
P57	Persser foot protecting switch	0 - 1	1	0: off 1: on
P58	Sewing plate protecting switch	0 - 1	1	0: off 1: on
P59	Needle bar cover protecting switch	0 - 1	1	0: off 1: on
P60	Electronic/pneumatic	0 - 1	0	0: electronic 1: pneumatic
P61	Sleeping time	1 - 250	30	min
P62	Panel lock	0 - 1	0	0: no lock 1: lock
P63	Speed down switch	0 - 1	0	

P64	Stitch for speed down	1- 200	1	
P65	Speed down	500 - 7000	3500	RPM
P66	Front sensor level adjust	0 - 100	--	The data is more higher, The voltage is more higher than sensor .
P67	Back sensor adjust	0 - 100	--	The data is more higher, The voltage is more higher than sensor .
P68	Sensor level adjust for avoiding cutting the fabric	10 - 90	--	The data is more higher, The voltage is more higher than sensor .
P69	number counting unit	1 - 50	10	Setting trimming times, The number plus 1.
P70	Number amount setting	1-9999	100	

P71	number counting mode	0 - 5	0	0: off ; 1: counting number higher; 2: counting number lower; 3: counting number higher alarm ; 4: counting number lower alarm 5: eliminating alarm for counting full
P72	Forced aftering thread delay number of threads	0-20	9	Before leaving the fabric after cutting line/ The sensor does not cover the third sensor after setting the number of stitches after the completion of the cut line.

P73	Factory default speed parameter	0-1	100	0: Four wire type default speed P01=6000 P03=5500 1: Five wire type default speed P01=5000 P03=5000
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Note: 21,33,37 ,38 parameter is different with 900E, The others parameter is as same as 900E.

Operation instructions -parameter Introduction

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System operator parameter (P+Upper key, Setting password for enter into :

P75	Connecting plate error code	0-1	1	0 : off ; 1 : Opening testing function for connecting plate
P76	Luminance adjustment	1-3	3	
P77	Internal speed limited	500-7000	6000	RPM
P78	display	0-4	0	0 : Normal sewing mode and direction 1: display speed always. 2: voltage for front sensor 3: voltage for back sensor. 4: voltage for third sensor.
P79	Reset setting	0-1	0	0: no reset; 1: reset all the parameters;

Operation instructions-The introduction of parameters

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P80	Language	0-8	0	0: Chinese 1: English 2: Russian 3: Arabic 4: Turkish 5: Portuguese 6: Spanish 7: Indonesian 8: Vietnamese
P81	Motor rotation direction	0-1	1	1 : Reversal (motor in normal position) 0 : Forward
P82	Accelerated curve parameters	0-4	0	Pedal speed curve mode 0: straight line 1: Two slope 2: square 3: Prescribe 4: S curve (no)
P83	Speed controller return position setting	0-4095	1450	(no)

Note: The relative parameter

1. P10=1 or P10=3, P17 will auto adjust to 1.
2. P10=0 or P10=2, P17 will auto adjust to 2.

Operation instructions-Monitoring mode form

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No.	Description
M0	Exit the monitoring mode
M1	No (reserved)
M2	Motor duty cycle
M3	Alternating current
M4	AC input voltage
M5	Pedal voltage sampling value
M6	No
M7	Front sensor voltage value
M8	Second sensor voltage value
M9	Third sensor voltage value
M10	Real-time speed value

Operation instructions-Monitoring mode form

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No.	Description
M11	Anti-interference pre-sensor voltage (reserved)
M12	Anti-interference second sensor voltage (reserved)
M13	Anti-interference third sensor voltage (reserved)
M14	busbar voltage
M15	reserved
M16	reserved
M17	Transfer board version number (reserved)
M18	Mainboard software version number
M19	The mainboard software version number
M20	Panel software version number
M21	Panel software repair version number

Operation instructions-Error number form

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NO.	Description(Voice reminder)	Solution (Press () to broadcast)
E1	Motor stalled	Pls check whether the machine head stuck or not, or rotate very tough; pls check whether the motor plug and sensor connection loose or not; if cannot solve the problem, pls contact the local agent.
E2	Software over current	Pls check the voltage normal or not; pls reset the machine or restart; if cannot solve the problem, pls contact the local agent .
E3	The connection problem of panel and control box	Pls check the connection of panel and control box loose or not; pls reset the machine or restart; if cannot solve the problem, pls contact the local agent .
E4	The motor hall signal abnormal	Pls check whether the motor plug connection loose or not, whether the wire broken or not, change motor.
E5	The fault of needle stop position signal	Pls check whether the plug and handwheel magnet loose or not.

Operation instructions-Error number form

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E6	Presser foot safety switch wrong position	Pls check whether the presser foot back to the correct position or not; if not working, pls change the value number 1 to 0 of P57; if cannot solve the problem, pls contact the local agent.
E7	Sewing bed safety switch wrong position	Pls check whether the sewing bed back to the correct position or not; if not working, pls change the value number 1 to 0 of P58; if cannot solve the problem, pls contact the local agent.
E8	Needle bar safety switch wrong position	Pls check whether the sewing bed back to the correct position or not; if not working, pls change the value number 1 to 0 of P59; if cannot solve the problem, pls contact the local agent.
E9	Pedal connection problem	Pls check whether the connection of pedal and control box loose or not; if cannot solve the problem, pls contact the local agent.
E10	Hardware over current	Pls check the voltage; pls reset the machine or restart; if cannot solve the problem, pls contact the local agent .

Operation instructions-Error number form

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E11	Stop over voltage	Pls check the voltage; pls reset the machine or restart; if cannot solve the problem, pls contact the local agent .
E12	System under voltage	Pls check the voltage; pls reset the machine or restart; if cannot solve the problem, pls contact the local agent .
E13	Brake circuit	Pls contact the local agent.
E14	Parameter read and write problem	If cannot solve the problem, pls restart the machine or contact the local agent.
E15	The protection of motor over speed	Reset the machine
E16	Motor reversal	Pls reset the machine; if cannot solve the problem, pls contact the local agent .
E17	Running over voltage (no)	

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E18	Motor overload	Pls check whether the material is too heavy or not; Pls check whether the machine head stuck or not, or rotate very tough; pls check whether the motor plug and sensor connection loose or not; if cannot solve the problem, pls contact the local agent.
E19	Current detection circuit problem	If cannot solve the problem, pls restart the machine or contact the local agent .
E20	Power off	
E24	The voice chip work problem	Please try to restore the factory settings or restart the power supply
E26	The communication between the transfer board and the controller problem	Please check whether the adapter board and the control box cable are loose; Please try to restore the factory settings or restart the power supply;

Operation instructions-Error number form


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E27	Restore factory settings error	After the shutdown is restarted, the factory settings are restored.
EA1	Ascending count full	Press the “P” key to clear, or set the P71 parameter to "5"
EA2	Descending count full	Press the “P” key to clear, or set the P71 parameter to "5"

Note: When the system reported E06(Presser foot lift safety switch), After the presser foot is placed in the correct position , You need to press the "P" key to clear the E06 error

note: when Count full, no corresponding to the voice, the news broadcast "reservation"

Note: When the machine shows any error, please press  , it can broadcast the solution of the error.



01

PRODUCTS INTRODUCTION

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IMPROVED POINTS INTRODUCTION

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OPERATION INSTRUCTIONS

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MAINTENANCE INSTRUCTIONS

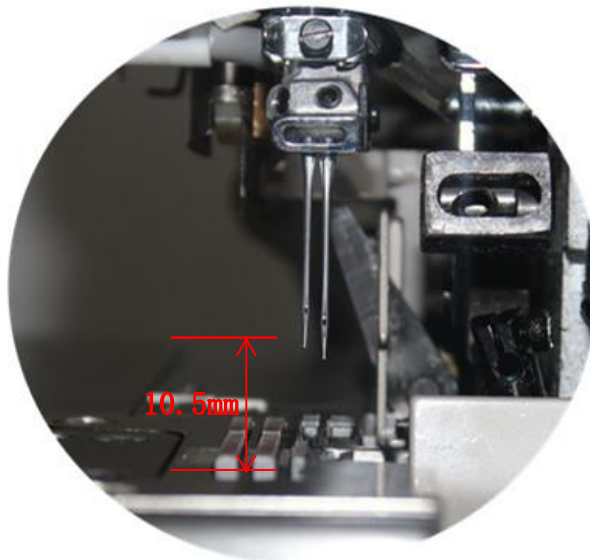
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1. Needle bar height adjustment

When the needle bar comes to the heighest point, and the distance between needle to needl plate is 10.5mm(4 threads) and 11.5mm(5threds), then fasten the screw.



**Screw of needle
bar adjustment**



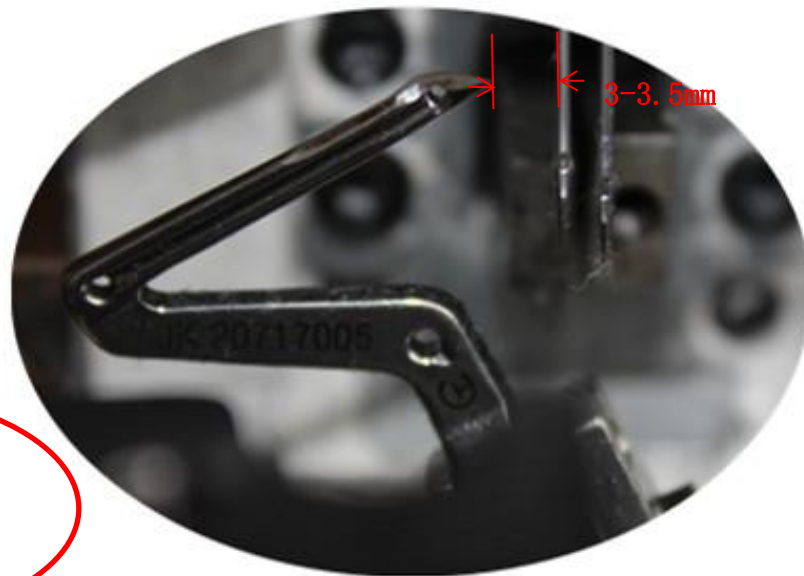
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2. Under looper adjustment

When the needle bar comes to the lowest point, the tip of looper to the left needle is 3-3.5mm, the distance to the left needle is 0.03-0.05mm.



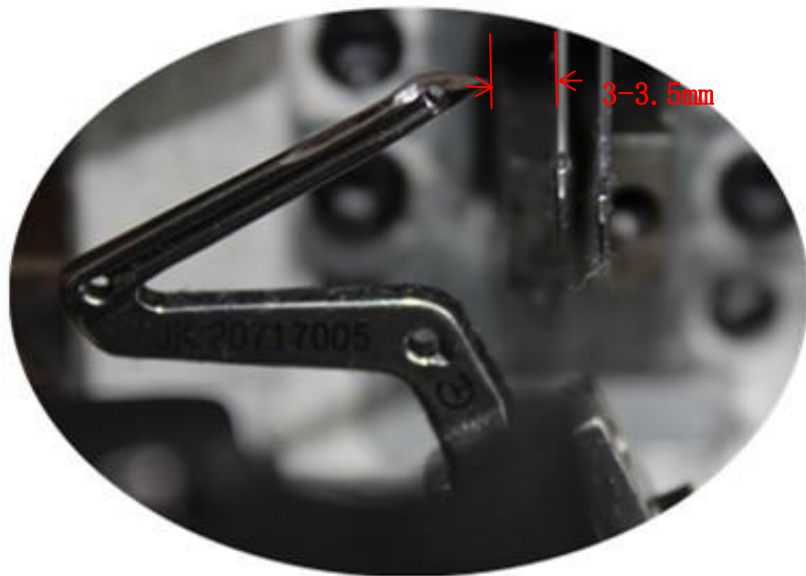
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3. looper getting thread adjustment

When the looper moves from left to right, till the looper tip on the needle hole about 1-1.5mm.



Maintenance instructions

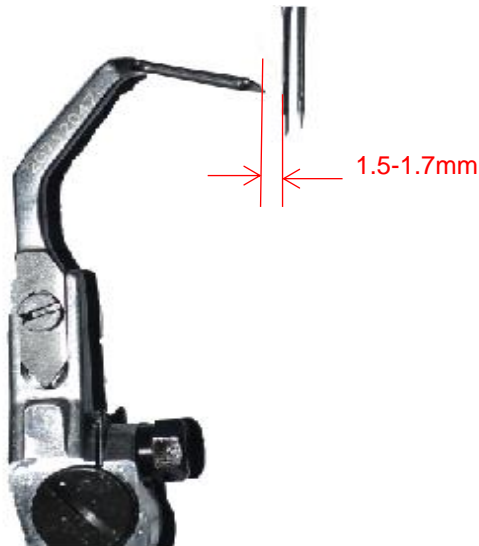
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4. Chain thread looper adjustment

Chain thread looper moving to the left point, keep looper tip has a distance

about 1.5-1.7mm to chain thread needle middle. At the same time, looper don't touch with needle.



looper can't touch with
needle

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5. Thread cam adjustment (5 thread) :

When the needle move to
highest point,

Thread cam start to hold
thread
(as right picture)



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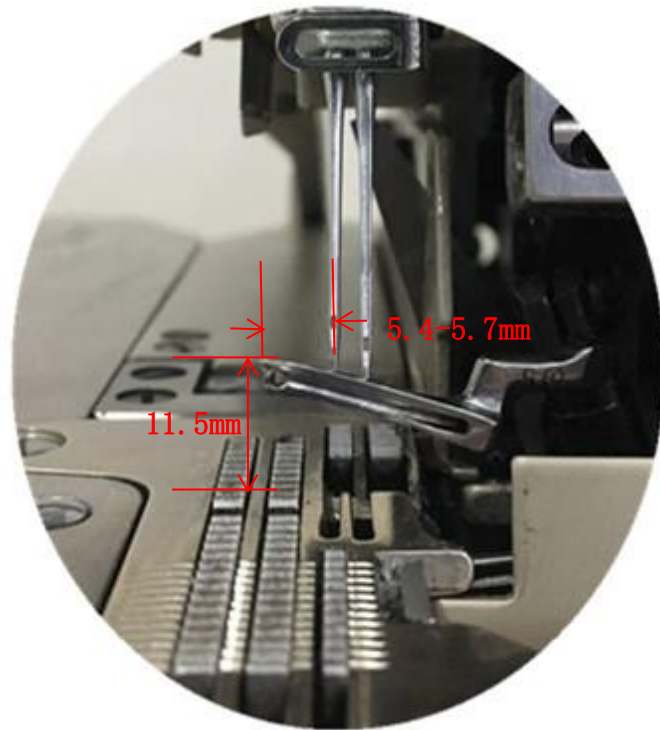
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6. Adjustment of upper looper:

When upper looper move to highest point,

The distance between looper tip and left needle hole

Is 5.4-5.7mm (4 thread) 、
4.5-5mm (5 thread) , the height
from looper tip to needle plate
Is 11.5mm (4 thread) 、 10.5mm(3
thread、 5 thread)。



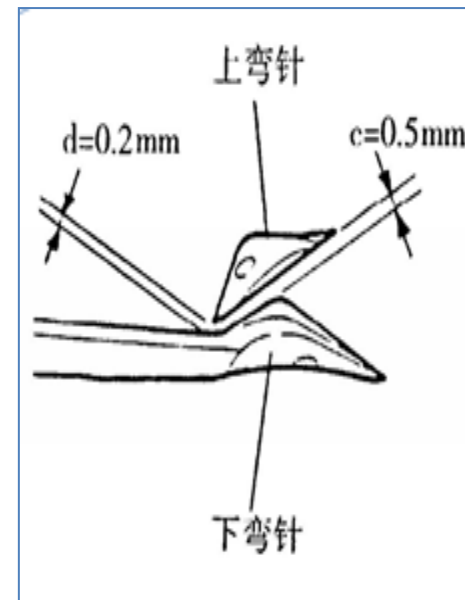
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7. Converges adjustment of upper and lower looper :

When the upper and lower looper move to converges, d gap is 0.2mm, c gap is 0.5mm



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8. Adjustment of back needle guard:

When lower looper move to the thread holding point of looper from left to right moving ,
Back needle guard has to touch the needle ,but can' t push the needle .



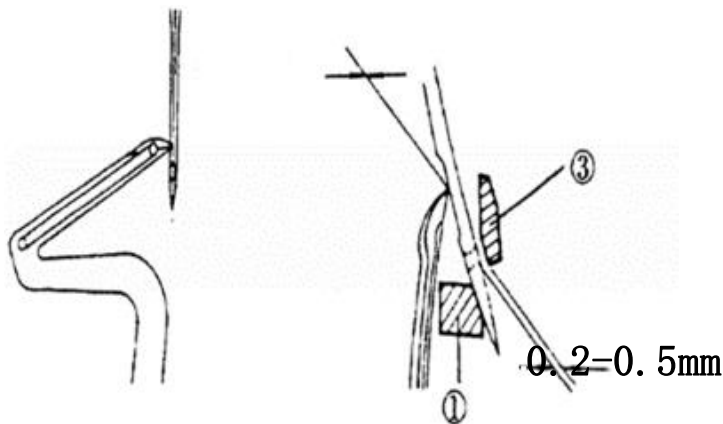
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9. Adjustment of front needle guard:

When back needle guard touch the needle , the gab between front needle guard and needle is 0.2-0.5mm.



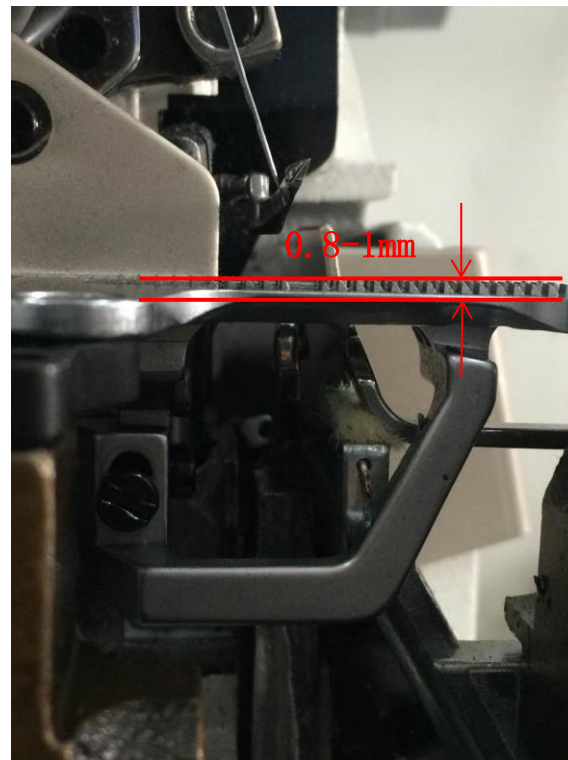
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10. Feeding teeth height adjustment:

When the needle bar to the highest movement (to the highest feed dog), the distance of feed dog to the needle plate plane is 0.8-1mm.

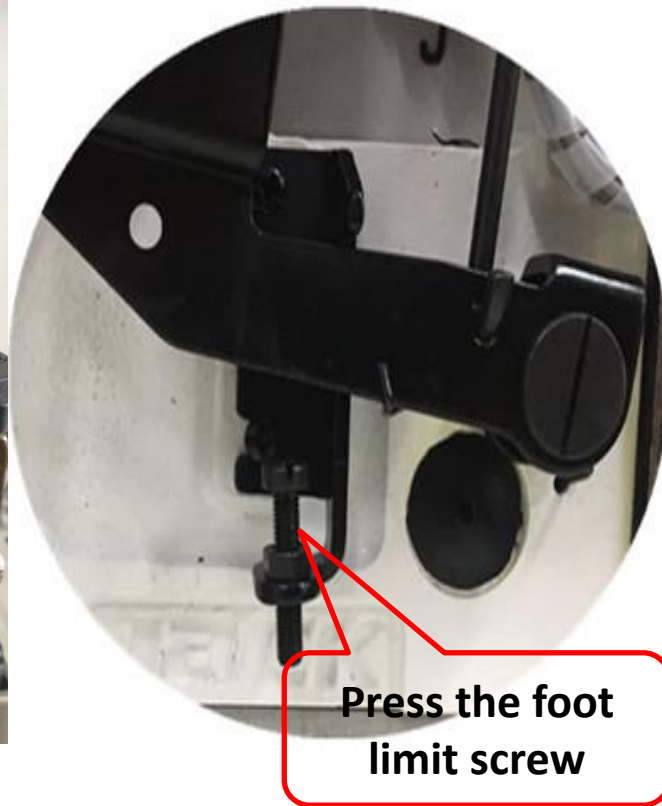
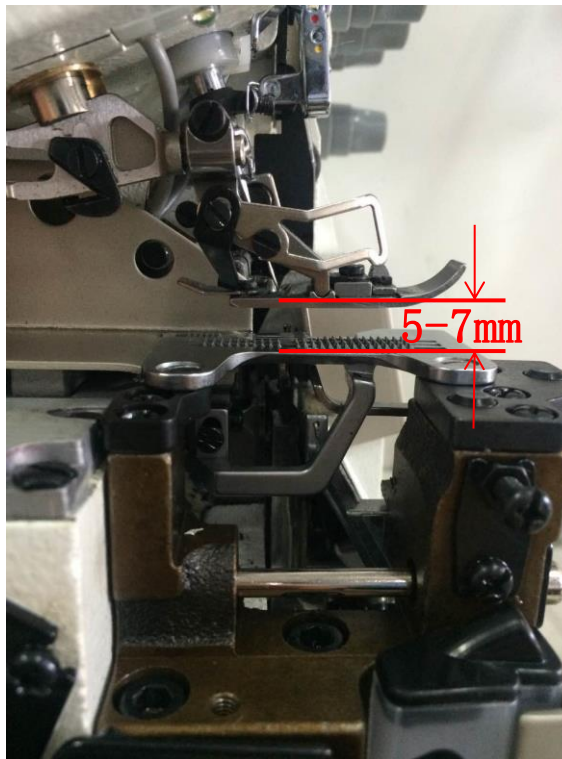


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11. Adjust the height of the presser foot: According to the thickness of the sewing fabric can press the foot limit screw, adjust the height of the presser foot appropriately in the range of 5-7mm.



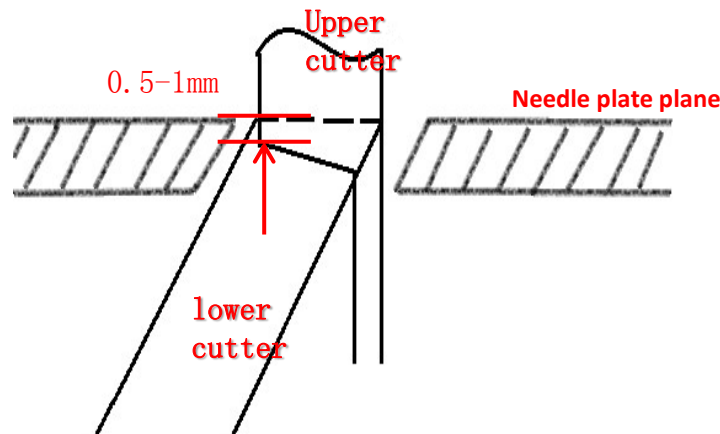
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12. Adjustment of upper and lower cutter:

The upper and lower cutter and the needle plate plane are preferably parallel, the left and right location are subject to the upper cutter, the upper cutter is subject to the width of and the range of bite is 0.5-1mm.



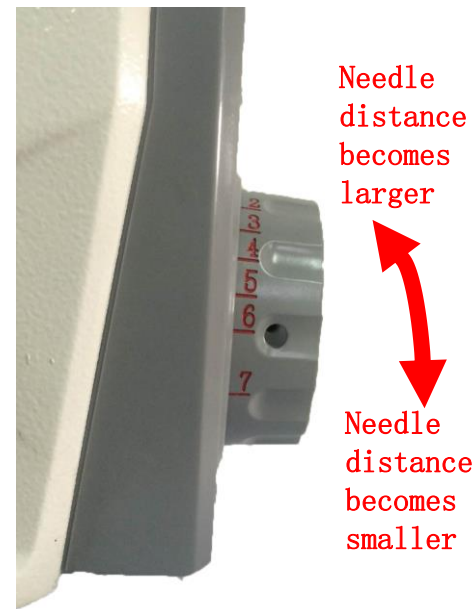
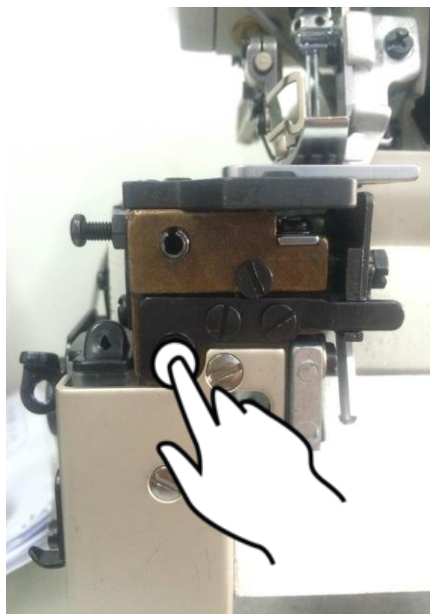
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13. Adjustment of the needle distance:

As shown in the figure, press the button of needle distance, turn the hand wheel until the button to the deepest, forward the button, the needle distance becomes larger and reverse the button, the needle distance becomes smaller.



Maintenance instructions

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14. Adjustment of thread cutting knife:

Push the electromagnetic core of thread cutting knife by hand to make the electromagnet core pull and at this time Scissors mouth is close, ensure that there is no gaps between the two knives, the amount of bite is in the 0.5-1mm and tighten the screws, it's OK.



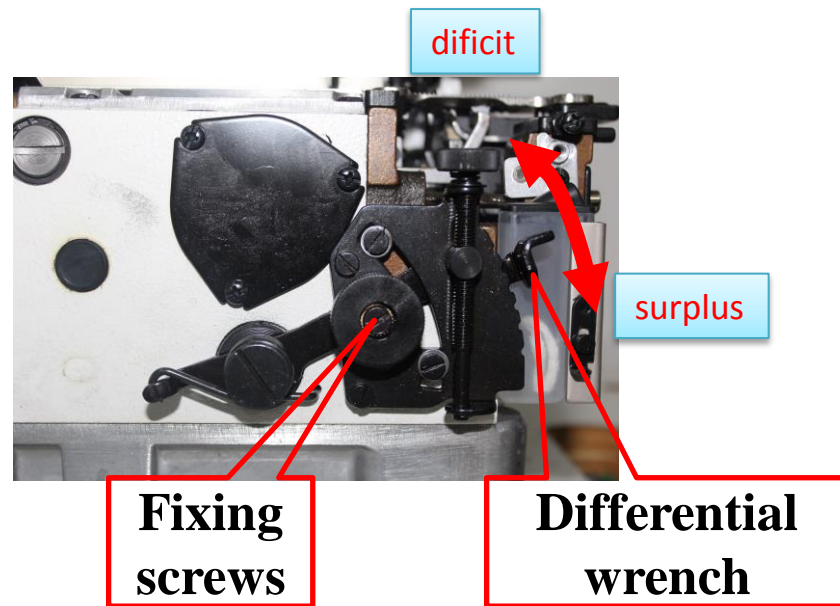
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15、Differential adjustment:

When sewing different fabrics, If you want to adjust the differential, as shown in the right: release the fixed screw, the differential wrench upward deflection, the fabric stretch, down the fabric when the surplus shrink.



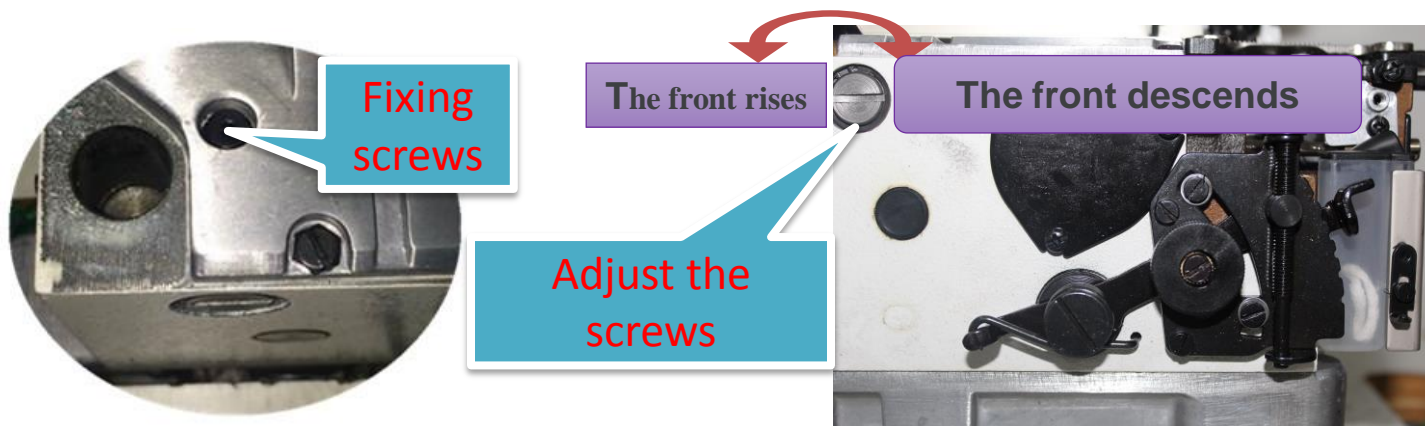
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16、Tooth tilt adjustment:

When you need to adjust the tooth tilt, release the set screw, turn the adjustment screw, as shown below, adjust to your desired location.

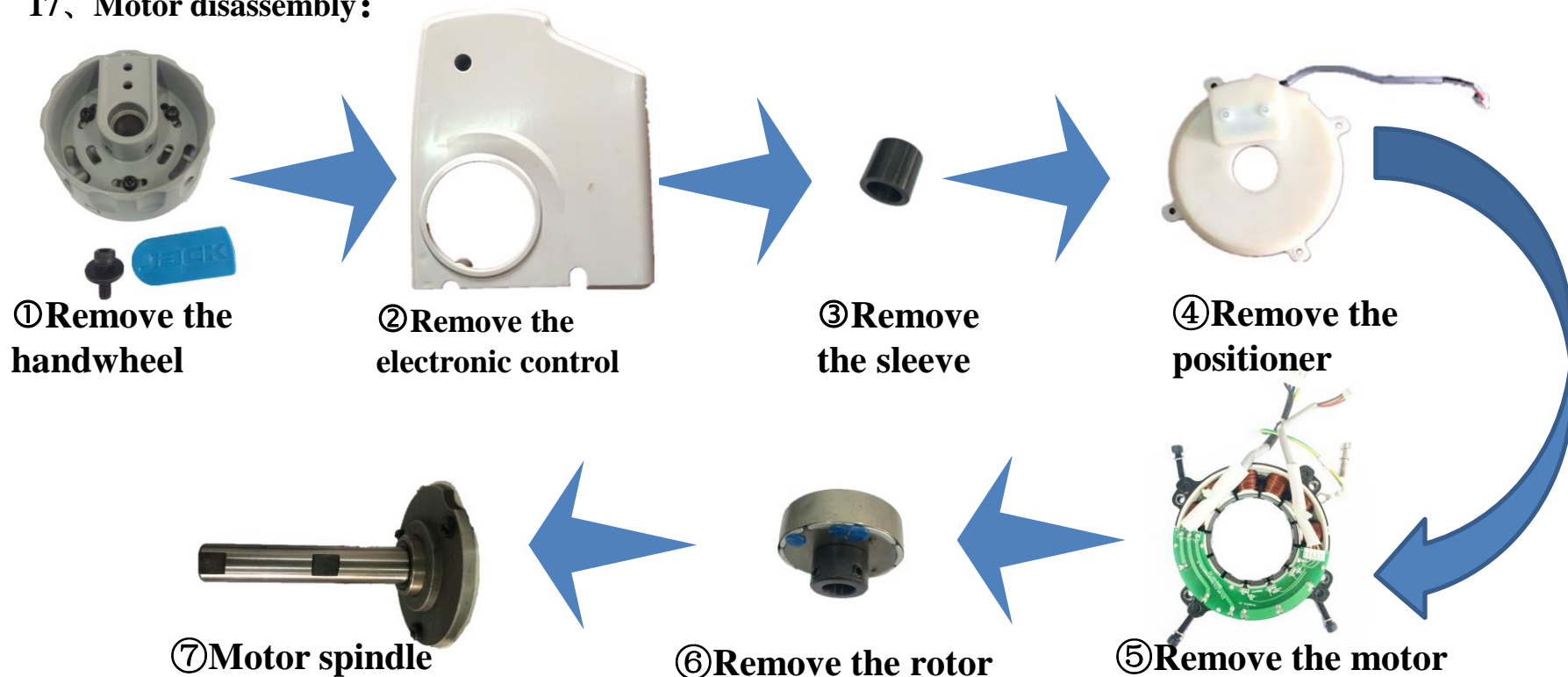


Maintenance instructions

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17、Motor disassembly:



Maintenance instructions

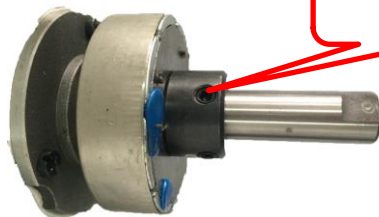
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18、Motor installation:

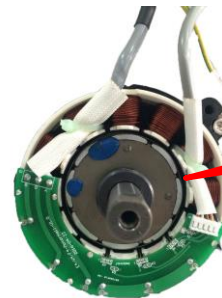


①Motor spindle



The first
screw

②Install the rotor



And the rotor
gap, can not
touch

③Install the motor



The first
screw

⑥Fitted with handwheel



⑤Installed electric control, bushings



④Install the locator