WR58LG High series manual V1.0

1. Safety instruction

- 1. Safety instruction
 Please read the operation manual and related sewing machinery datasheet carefully before correct use.
 1.1 (1) Power voltage and frequence: please refer to motor and control box nameplate.
 (2) Interference from electromagnetic wave:please keep far away strong magnetic or high radiation environment in order to avoid obstructions and make to misoperation.
 (3) Grounding: to avoid the noise obstructions or leakage of electricity accident(inculding sewing machine, motor, control box and positioner.
 1.2 Please make sure power off at least lain and then can open control box cover, because there are dangerous high voltage.
 1.3 Please turn off the power while repairing or wearing needle in order to protect operator's safty,
 1.4 \(\Delta \) Used where potential dangers exist.

 1.5 Product warnanty neriod of one year occordition that this machine is operated correctly and no man-made damage.

1.5 Product warranty period of one year on condition that this machine is operated correctly and no man-made damage.

2.System parameter table

No	Project	Content	Setting range	default value	
1	Sewing speed	Set sewing speed	200~3500rpm	2000	
2	Soft-start function	0 : No soft-start function 1~99 : Soft start stitches 0 : Invalid 1 : Effective	1~99	3	H
3	Ornamental bartacks	Set fixed-length seam sewing speed	0/1	2000	\vdash
5	Fixed-length seam sewing speed	0 : Free sewing 1 : Simple Sewing	200~3500rpm 0/1	0	H
	Sewing mode	Reverse limitted feed speed,when the manual switch	22/2		H
9	Reverse limitted feed speed	closed	500~1500rpm	700	
18	bartack at the start of sewing connects bartack at the end of sewing	Function of stop after bartack at the start of sewing , backward Pedal trimming thread no bartack at the end of sewing:	0/1	0	
-19	Function of stop after bartack at the start of sewing	0 : Invalid 1 : Effective Function of stop after bartack at the start of sewing 0 : Invalid 1 : Effective	0/1	0 1	
20	The manual switch function of the reverse feed stitching of sewing	0 : Only reverse feed stitching 1 : And needle compensation 2 : Only reverse feed stitching , standby does not work	0/1/2	0	
21	Soft-start speed 1	The first stitch speed	100~3000rpm	400	
22	Soft-start speed 2	The second stitch speed	100~3000rpm	600	
23	Soft-start speed 3	The third stitch speed	100~3000rpm	600	
24	Function of soft-down of presser foot Enable presser foot lift	0: Invalid 1: Valid 0: Enable presser foot lift 1: Enable Middle presser foot lift 2:Enabl trimming thread presser foot lift 3:Enable	0/1	0	
27	Up –position function Safety switch signal mode	Middle and trimming thread presser foot lift 0: Invalid 1: Valid 0: Normally open 1: Normally closed 2: No protection	0/1 0/1/2	0	
800		The time of soft-down of pressure foot(time			
29	The time of soft-down of pressure foot	longer,down more slower)	50~500ms	150	L
30	The bottom line magnification setting	0 : Invalid 5/10/15/20 : Bottom line rate	0/5/10/15/20	0	
31	Initial baseline setting	Initial baseline setting	200~4000	1600	
32	Ornamental bartacks pause time	Ornamental bartacks pause time	5~500ms	50	L
33	Ornamental bartack sposition adjustment Standard bartacks, pedal speed source	Ornamental bartack sposition adjustment 0: automatic standard bartacks speed	0~120	100	H
34	choice standard partacks, pedal speed source	1: pedal analog speed	0/1	0	
35	Piece-rate setting	0:No piece-function 1~50:(Piece multiples)+1	0~20	0	
36	Initial set piece count	Initial set piece count	0~1000	100	
40	Piece-rate display Chinese and English	0:chinese 1:English	0/1	0	
41	switching Slow speed	The lowest pedal speed	100~400rpm	200	-
42	Pedal curve selection	0 : Normal 1 : Slow acc. 2 : Fast acc	0/1/2	0	H
44	Cutting speed	Cutting speed	100~400rpm	260	
45	Reverse limitted feed speed enable	0: Disable 1: Enable	0/1	0	
46	Delay Sewing time, when presser foot down	Delay Sewing time, when presser foot down	0~800ms	50	
47	Time of presser foot magnet full voltage output	Time of presser full voltage output	0~800ms	150	pese
40	Presser foot magnet voltage output duty	Presser foot voltage output duty cycle	0~100	30	
48	cycle				
49	Presser foot magnet lift holding time Time of reverse feed stitching magnet full	Presser foot magnet lift holding time	1~60(s)	12	
50	voltage output	Time of reverse feed stitching full voltage output	0~800ms	150	
51	Reverse feed stitching magnet duty cycle	Reverse feed stitching magnet duty cycle	0~100	60	
52	Reverse feed stitching magnet holding time	Reverse feed stitching magnet holding time	1~60(s)	25	
53	Speed of bartack at the start of sewing	Speed of bartack at the start of sewing	100~1500rpm	1200	
54	Bartack at the start of sewing compensation	Bartack at the start of sewing compensation 1	0~100	20	
55	Bartack at the start of sewing	Bartack at the start of sewing compensation 2	0~100	12	
56	compensation2 Speed of bartack at the end of sewing	Speed of bartack at the end of sewing	100~1500rpm	1200	
57	Bartack at the end of sewing compensation	Bartack at the end of sewing compensation 1	0~100	20	1
	Bartack at the end of sewing compensation				-
58	2	Bartack at the end of sewing compensation 2	0~100	12	
59	Overlapped sewing speed	Overlapped sewing speed	100~1500rpm	1200	
60	Overlapped sewing speed compensation 1	Overlapped sewing speed compensation 1	0~100	20	
61	Overlapped sewing speed compensation 1	Overlapped sewing speed compensation 2	0~100	12	
62	Pedal travel upon start	Pedal position upon start Travel relative to medium pedal	10~50	30	
63	Pedal travel upon acceleration	Pedal position upon start acceleration Travel relative to medium pedal	10~100	55	
64	Pedal travel at highest rotation speed	Pedal position at highest rotating speed Travel relative to medium pedal	10~150	110	
65	Pedal travel upon presser foot lift	Pedal position upon pedal lift Travel relative to medium pedal	-100~-10	-30	
66	Pedal travel upon presser foot lowering	Pedal travel from presser foot lowering position to neutral position	5~50	10	
ca.	Pedal travel 1 upon thread trimming	Travel relative to medium pedal Pedal position upon start trimming without presser foot function Travel relative to medium pedal	-100~-10	-30	
01	read duver 2 apon aneda dimining	mater relauve to medium peddi		-60	
	Pedal travel 2 upon tread trimming	Pedal position upon start thread trimming with presser foot function Travel relative to medium pedal	-100~-10	-00	
68			-100~-10 0~120	60	
58	Pedal travel 2 upon tread trimming	foot function Travel relative to medium pedal			-
68 69 70	Pedal travel 2 upon tread trimming Down needle positioning position	foot function Travel relative to medium pedal To adjust down needle position 0: Disable 1: Enable Reversal of needle lift angle	0~120	60	
58 59 70 71	Pedal travel 2 upon tread trimming Down needle positioning position Reverse needle lift function Reversal of needle lift angle Needle position adjustment	foot function Travel relative to medium pedal To adjust down needle position 0 : Disable 1 : Enable Reversal of needle lift angle Needle position adjustment	0~120 0/1 0~90* 0~240*	60 0 45 10	
58 59 70 71 75	Pedal travel 2 upon tread trimming Down needle positioning position Reverse needle lift function Reversal of needle lift angle Needle position adjustment Stop needle position minor adjustment	foot function Travel relative to medium pedal To adjust down needle position 0: Disable 1: Enable Reversal of needle lift angle Needle position adjustment Stop needle position minor adjustment	0~120 0/1 0~90° 0~240° 90~110	60 0 45 10	
68 69 70 71 75 76	Pedal travel 2 upon tread trimming Down needle positioning position Reverse needle lift function Reversal of needle lift angle Needle position adjustment Stop needle position minor adjustment Needle bar maximum angle	foot function Travel relative to medium pedal To adjust down needle position 0: Disable 1: Enable Reversal of needle lift angle Needle position adjustment Stop needle position minor adjustment Needle bar maximum angle	0~120 0/1 0~90° 0~240° 90~110 270~360	60 0 45 10 100 360	
68 69 70 71 75 76	Pedal travel 2 upon tread trimming Down needle positioning position Reverse needle lift function Reversal of needle lift angle Needle position adjustment Stop needle position minor adjustment	foot function Travel relative to medium pedal To adjust down needle position 0 : Disable 1 : Enable Reversal of needle lift angle Needle position adjustment Stop needle position adjustment Needle bar maximum angle O : Fixed sewing reverse 1 : Supplementary needle	0~120 0/1 0~90° 0~240° 90~110	60 0 45 10	
668 669 770 771 775 776 777	Pedal travel 2 upon tread trimming Down needle positioning position Reverse needle lift function Reversal of needle lift angle Needle position adjustment Stop needle position minor adjustment Needle bar maximum angle	foot function Travel relative to medium pedal To adjust down needle position O: Disable 1: Enable Reversal of needle lift angle Needle position adjustment Stop needle position adjustment Stop needle position minor adjustment Needle bar maximum angle O: Fixed sewing reverse 1: Supplementary needle S: restore the current level factory parameters set restore the current level factory parameters set According to S button, select yes, then press the S key	0~120 0/1 0~90° 0~240° 90~110 270~360	60 0 45 10 100 360	
68 69 70 71 75 76 77 78	Pedal travel 2 upon tread trimming Down needle positioning position Reverse needle lift function Reversal of needle lift angle Needle position adjustment Stop needle position minor adjustment Needle bar maximum angle Key switch function selection	foot function Travel relative to medium pedal To adjust down needle position 0: Disable 1: Enable Reversal of needle lift angle Needle position adjustment Stop needle position adjustment Stop needle position minor adjustment Needle bar maximum angle 0: Fixed sewing reverse 1: Supplementary needle 5: restore the current level factory parameters 8: restore the current level and sewing factory parameter set	0~120 0/1 0~90* 0~240* 90~110 270~360 0/1	60 0 45 10 100 360 0	
68 69 70 71 75 76 77 78	Pedal travel 2 upon tread trimming Down needle positioning position Reverse needle lift curtoin Reversal of needle lift angle Needle position adjustment Stop needle position minor adjustment Needle bar maximum angle Key switch function selection return to factory-set parameter highest speed of sewing Set period of use	foot function Travel relative to medium pedal To adjust down needle position 0 - Disable 1 : fnable Reversal of needle lift angle Needle position adjustment Stop needle position adjustment Stop needle position adjustment Needle bar maximum angle 0 - Fixed sewing reverse 1 : Supplementary needle 5 : restore the current level factory parameters est According to 5 button, select yes, then press the 5 key execution highest speed of sewing 0 - Disable : 1 - 1000(Take hours as a unit)	0~120 0/1 0~90* 0~240* 90~110 270~360 0/1 0~15	60 0 45 10 100 360 0	
68 69 70 71 75 76 77 78	Pedal travel 2 upon tread trimming Down needle positioning position Reverse needle lift function Reverse of needle lift angle Needle position adjustment Stop needle position minor adjustment Needle position minor adjustment Needle bar maximum angle Key switch function selection return to factory-set parameter highest speed of sewing Set period of use Aggravating function/	foot function Travel relative to medium pedal To adjust down needle position 0 : Disable 1 : Enable Reversal of needle lift angle Needle position adjustment Stop needle position adjustment Stop needle position adjustment Needle bar maximum angle 0 : Fixed sewing reverse 1 : Supplementary needle 5: restore the current level factory parameters 8: restore the current level and sewing factory parameter set According to 5 button, select yes, then press the S key execution highest speed of sewing 0 : Disable : 1 – 1000(Take hours as a unit) Needle wear through doth when used	0~120 0/1 0~90* 0~240* 90~110 270~360 0/1 0~15	60 0 45 10 100 360 0	
68 69 70 71 75 76 77 78 80 82 83	Pedal travel 2 upon tread trimming Down needle positioning position Reverse needle lift function Reversal of needle lift angle Needle position adjustment Stop needle position minor adjustment Needle bar maximum angle Key switch function selection return to factory-set parameter highest speed of sewing Set period of use Aggravating function/ Machine needle emphasis function	foot function Travel relative to medium pedal To adjust down needle position 0 : Disable 1 : Enable Reversal of needle lift angle Needle position adjustment Stop needle position adjustment Stop needle position adjustment Stop needle position minor adjustment 0 : Fixed sewing reverse 1 : Supplementary needle S : restore the current level factory parameters set According to S button, select yes, then press the S key execution highest speed of sewing 0 : Disable ; 1 - 1000(Take hours as a unit) Needle wear through cloth when used C : invalid [1 - 15 strength regulation	0~120 0/1 0~90* 0~240* 90~110 270~360 0/1 0~15 200~3500spm 0~1000 0~15	60 0 45 10 100 360 0	
68 69 70 71 75 76 77 78 79 80 82 83	Pedal travel 2 upon tread trimming Down needle positioning position Reverse needle lift curtoin Reversal of needle lift angle Needle position adjustment Stop needle position minor adjustment Needle bar maximum angle Key switch function selection return to factory-set parameter highest speed of sewing Set period of use Aggravating function/ Machine needle emphasis function Reduce noise	foot function Travel relative to medium pedal To adjust down needle position 0 : Disable 1 : Inable Reversal of needle lift angle Needle position adjustment Stop needle position adjustment Stop needle position adjustment Needle bar maximum angle 0 : Fixed sewing reversa 1 : Supplementary needle 5 : restore the current level factory parameters restore the current level factory parameters set According to 5 button, select yes, then press the 5 key execution highest speed of sewing 0 : Disable : 1 - 1000(Take hours as a unit) Needle wear through cloth when used 0 : invalid: 1 - 15 strength regulation 0 - 15 Reduce noise	0~120 0/1 0~90* 0~240* 99~110 270~360 0/1 0~15 200~3500spm 0~1000 0~15	60 0 45 10 100 360 0 0	
68 69 70 71 75 76 77 78 80 82 83 84	Pedal travel 2 upon tread trimming Down needle positioning position Reverse needle lift function Reversal of needle lift angle Needle position adjustment Stop needle position minor adjustment Needle bar maximum angle Key switch function selection return to factory-set parameter highest speed of sewing Set period of use Aggravating function/ Machine needle emphasis function Reduce noise Cutting magnet pull angle	foot function Travel relative to medium pedal To adjust down needle position 0 : Disable 1 : Enable Reversal of needle lift angle Needle position adjustment Stop needle position adjustment Needle bar maximum angle 0 : Fixed sewing reverse 1 : Supplementary needle 5 : restore the current level factory parameters 2 : restore the current level and sewing factory parameter set According to 5 button, select yes, then press the 5 key execution highest speed of sewing 0 : Disable ; 1 – 1000(Take hours as a unit) Needle wear through cloth when used 0 : invalid; 1 - 215 strength regulation 0 - 15 Reduce noise Cutting magnet pull angle	0~120 0/1 0~90* 0-240* 99~1 0-240* 99~11 270~380 0/1 0~15 200~3500spm 0~100 0~15 0~15 0~15	60 0 45 10 100 360 0	
68 69 69 770 771 775 776 777 778 80 80 82 83 84 84 85	Pedal travel 2 upon tread trimming Down needle positioning position Reverse needle lift function Reversal of needle lift angle Needle position adjustment Stop needle position minor adjustment Needle bar maximum angle Key switch function selection return to factory-set parameter highest speed of sewing Set period of use Aggravating function/ Machine needle emphasis function Reduce noise Cutting magnet pull angle Power angle of shear line	foot function Travel relative to medium pedal To adjust down needle position 0 : Disable 1 : Enable Reversal of needle lift angle Needle position adjustment Stop needle position adjustment Stop needle position adjustment Stop needle position minor adjustment Needle bar maximum angle 0 : Fixed sewing reverse 1 : Supplementary needle 5 : restore the current level factory parameters set according to S button, select yes, then press the S key execution highest speed of sewing 0 : Disable ; 1 - 1000(Take hours as a unit) Needle wear through cloth when used 0 : invalid [1 - 15 strength regulation 0 - 15 Reduce noise Cutting magnet pull angle To set power angle of shear line	0~120 0/1 0~90* 0~240* 99~110 270~360 0/1 0~15 200~3500spm 0~1000 0~15	60 0 45 10 100 360 0 0 2200 0 0 8 60	1 1 1 1 1
68 69 70 71 75 76 77 77 78 80 82 82 83 84 85 86 87	Pedal travel 2 upon tread trimming Down needle positioning position Reverse needle lift function Reversal of needle lift angle Needle position adjustment Stop needle position minor adjustment Needle paramazimum angle Key switch function selection return to factory-set parameter highest speed of sewing Set period of use Aggravating function/ Machine needle emphasis function Reduce noise Cutting magnet pull angle Power angle of shear line Cutting magnet release angle	foot function Travel relative to medium pedal To adjust down needle position 0 : Disable 1 : Enable Reversal of needle lift angle Needle position adjustment Stop needle position adjustment Stop needle position adjustment Needle bar maximum angle 0 : Fixed sewing reverse 1 : Supplementary needle 5 : restore the current level factory parameters erestore the current level factory parameters set According to 5 button, select yes, then press the 5 key execution highest speed of sewing 0 : Disable : 1 - 1000(Take hours as a unit) Needle wear through cloth when used 0 : invalid: 1 - 15 strength regulation 0 - 15 Reduce noise Cutting magnet pull angle To set power angle of shear line Cutting magnet release angle	0~120 0/1 0-90* 0~20* 0~20* 0~20* 0~20* 0/1 270~360 0/1 0~15 200~3500spm 0~1000 0~15 0~15	60 0 45 10 100 360 0 0 2200 0 0 8 60 260	
68 69 70 71 775 776 777 778 80 80 82 83 83 83 83 83 83 83	Pedal travel 2 upon tread trimming Down needle positioning position Reverse needle lift function Reversal of needle lift angle Needle position adjustment Stop needle position minor adjustment Needle bar maximum angle Key switch function selection return to factory-set parameter highest speed of sewing Set period of use Aggravating function/ Machine needle emphasis function Reduce noise Cutting magnet pull angle Power angle of shear line	foot function Travel relative to medium pedal To adjust down needle position 0 : Disable 1 : Enable Reversal of needle lift angle Needle position adjustment Stop needle position adjustment Stop needle position adjustment Stop needle position minor adjustment Needle bar maximum angle 0 : Fixed sewing reverse 1 : Supplementary needle 5 : restore the current level factory parameters set according to S button, select yes, then press the S key execution highest speed of sewing 0 : Disable ; 1 - 1000(Take hours as a unit) Needle wear through cloth when used 0 : invalid [1 - 15 strength regulation 0 - 15 Reduce noise Cutting magnet pull angle To set power angle of shear line	0~120 0/1 0-90° 0~240° 99~110 270~360 0/1 0~15 200~3500spm 0~100 0~15 0-15 150~200 300~360	60 0 45 10 100 360 0 0 2200 0 0 8 60 260 340	
667 668 669 770 771 775 776 777 778 779 880 882 883 884 885 886 887 888 889 990	Dewal travel 2 upon tread trimming Down needle positioning position Reverse needle lift function Reversal of needle first angle Needle position adjustment Stop needle position minor adjustment Needle position adjustment Needle bar maximum angle Key switch function selection return to factory-set parameter highest speed of sewing Set period of use Aggravating function/ Machine needle emphasis function Reduce noise Cutting magnet pull angle Power angle of shear line Cutting magnet release angle Losse magnet release angle	foot function Travel relative to medium pedal To adjust down needle position 0 : Disabile 1 : Enable Reversal of needle lift angle Needle position adjustment Stop needle position adjustment Stop needle position adjustment Needle bar maximum angle 0 : Fixed sewing reverse 1 : Supplementary needle 5 : restore the current level factory parameters 2 : restore the current level and sewing factory parameter set According to 5 button, select yes, then press the 5 key execution highest speed of sewing 0 : Disable 1 : 1 - 1000(Take hours as a unit) Needle wear through cloth when used 0 : invalid 1 - 2 is strength regulation 0 - 15 Reduce noise Cutting magnet pella angle To set power angle of shear line Cutting magnet release angle Loose magnet pull angle	0~120 0/1 0-90° 0~20° 0~210 9~210 270~380 0/1 0~15 200~3500sps 0~1000 0~15 150~200 200~300 300~350	60 0 45 10 100 360 0 0 2200 0 0 8 60 250 340 300	
668 669 770 771 775 776 777 778 779 882 883 884 885 886 887 888 889 990 992	Pedal travel 2 upon tread trimming Down needle positioning position Reverse needle lift function Reversal of needle first angle Needle position adjustment Stop needle position minor adjustment Needle position adjustment Needle bar maximum angle Key switch function selection return to factory-set parameter highest speed of sewing Set period of use Aggravating function/ Machine needle emphasis function Reduce noise Cutting magnet pull angle Power angle of shear line Cutting magnet release angle Loose magnet pull angle Up dead position angle Line slack holding time Pedal presser foot lift confirm time	foot function Travel relative to medium pedal To adjust down needle position 0 : Disable 1 : Enable Reversal of needle lift angle Needle position adjustment Stop needle position adjustment Stop needle position adjustment Needle bar maximum angle 0 : Fixed sewing reverse 1 : Supplementary needle 5 : restore the current level factory parameters ex restore the current level factory parameters set According to S button, select yes, then press the S key execution highest speed of sewing 0 : Disable : 1 - 1000 Take hours as a unit) Needle wear through cloth when used 0: invalid; 1 - 25 strength regulation 0 - 15 Reduce noise Cutting magnet pull angle To set power angle of shear line Cutting magnet release angle Loose magnet pull angle Up dead position angle Line slack holding time Pedal presser foot lift confirm time	0~120 0/1 0-90* 0-240* 9~110 270~380 0/1 0~15 0~15 200~3500sps 0~1000 0~15 150~200 200~300 300~380 150~250 210~380	60 0 45 10 100 360 0 0 2200 0 0 8 60 260 340 300 320 1 8	
68 69 70 71 75 76 77 78 79 80 82 83 84 88 88 88 88 88 88	Pedal travel 2 upon tread trimming Down needle positioning position Reverse needle lift function Reversal of needle lift angle Needle position adjustment Stop needle position minor adjustment Stop needle position minor adjustment Needle bar maximum angle Key switch function selection return to factory-set parameter highest speed of sewing Set period of use Aggravating function/ Machine needle emphasis function Reduce noise Cutting magnet pull angle Power angle of shear line Cutting magnet release angle Loose magnet pull angle Up dead position angle Une slack holding time	foot function Travel relative to medium pedal To adjust down needle position 0 : Disable 1 : Enable Reversal of needle lift angle Needle position adjustment Stop needle position adjustment Stop needle position adjustment Needle bar maximum angle 0 : Fixed sewing reverse 1 : Supplementary needle 5 : restore the current level factory parameters erestore the current level factory parameters set According to 5 button, select yes, then press the 5 key execution highest speed of sewing 0 : Disable : 1 - 1000(Take hours as a unit) Needle wear through cloth when used 0 : invalid: 1 - 15 strength regulation 0 - 15 Reduce noise Cutting magnet pull angle To set power angle of shear line Cutting magnet release angle Loose magnet pull angle Up dead position angle Line slack holding time	0~120 0/1 0-90° 0-240° 90~110 270~380 0/1 0~15 200~3500apa 0~15 0~15 150~200 200~300 150~250 1~60	60 0 45 10 100 360 0 0 0 2200 0 0 8 60 250 340 300 320 1	

3. System Into Operation panel default mode, press the button at the same time in P and" Rabbit" key, enter the system monitoring state through the +-key choose need to look at the project, according to the S button to enter/exit the selected projects such as the need to exit monitoring interface, according to P keys can be.

show frame numbers	Item Name	unit	show frame numbers	Item Name	unit
IJ	Plan number	piece	U6	Motor initial Angle	limit
U1	speed of motor control	rpm	U7	Master control program version/ Head type	1
U2	Motor Current	0.01A	U8	Head type/ Master control program version	/
U3	Motor Voltage	V	U9	Dsp no	1
U4	Pedal voltage	0.01V	vEr	Operation box version of the program	1
U5	Mechanical Angle with	limit	TYPE	Software no	1

4.Operation	box us	3e				
Function	Button	Described				
Starting reinforcing -sewing	M	Execute starting reinforcing-sewing 2 times, to and fro.				
ending reinforcing -sewing	M	Execute ending reinforcing-sewing 2 times, to and fro.				
continuous reinforcing -sewing	***	1. Press treadle ahead for automatic sewing, to and fro, which is set at D and car reach \$3 times.() in the set at D and car reach \$3 times.() in the set of times are set of times. () in the set of times present and corresponding trigger light of preset sewing is solid lit. 3. Previous ending reinforcing-sewing setting is invalid if this function is valid.				
parameter setting	0	1.For preset sewing. Trigger treadle and the system will automatically conduct sewing at E, F, G, H sections; the tread doesn't need to be kept being pressed. 2. Solid light for continuous reinforcing-sewing mode means that it is trigger mod by default.				
thread-cutt ing	*	Set or cancel thread-cutting function.				
Needle position	(18)	Set the needle position shortcut keys , Key is effective for needle , The cancel key function is set to stop pin.				
The middle presser foot	±,	Presser foot to set shortcut keys: set or cancel the presser foot function.				
Shear line pressure foot	1	The shear line and presser foot set shortcut keys: set or cancel trimmer and presser foot function.				
Soft start	~	Soft start to set shortcut keys: set or cancel the pedal soft start function.				
Pinnumber set/check choice	S	LImplementation of this key, circulating switch display 2 pin number to set the display value upper end. B. B. C. DPeriod of pin number, Light corresponding level; MiddlendtE, FPeriod of pin number, Light corresponding level; Dower extremes, I Herbord of pin number, Light corresponding level; 2.Corresponding to A D period of pin number, citath corresponding level; 2.Corresponding to A D period of pin number, can set range 0 – 13 needle, B paragraph C pin number, can set range 1 – 1 needle, among them, the liquid crystal display 8 D E O Fo neach for 10 11 12 13 14 15 stitches.				
parameter setting	P	Entering different parameter level On the seving setting interface, the user can press the button P to enter the Parameter Interface, then the Level parameters in the parameter list will display. On the seving setting interface, the user can keep pressing the button for a few seconds to enter the Password Enterin Interface. After entering the right maintenance password, then the user can press the button P to enter the Paramete Interface, now the Level and Level I parameters in the parameter list will display.				
Teaching function	T	Set or cancel the teaching function.				
Sewing set program	E	The number of needles sewing set , Set up a total of 15 segment needle number P1-PF.				
	•	Speed down. Keeping pressing to lower speed, the display will automatically switch to speed set. Simple seam, free sear effective.				
speed key	6	Speed up. Keeping pressing to increase speed, the display will automatically switch to speed set. Simple seam, free seam effective.				

Teaching function:
In the long slot (a, four, program seam) mode, long press "T" one second, you can enter the teaching interface, this interface has buttons: T key, two groups of add-bushtact key, fill needle key. Role is as follows:
It was grouped add-bushtact key, fill needle key. Role is as follows:
It was grouped and add-bushtact key fill needle key. Role is as follows:
It was grouped by the continuation of the contin

5.Standard needle stitch compensation adjustment

Starting reinforcing	Forward sewing and reverse stitching joint	1	Reverse stitch number Become less and shorter , To adjust the parameters to a higher value.No.54	M	Forward sewing number Become less and shorter , Adjust the parameters to lower values No.54
-sewing No.54 No.55	Reverse sewing and forward stitching joint	1	Forward sewing number Become less and shorter , To adjust the parameters to a higher value No.55	N	Reverse stitch number Become less and shorter , Adjust the parameters to lower value No.55
ending reinforcing	Forward sewing and reverse stitching joint	1	Reverse stitch number Become less and shorter , To adjust the parameters to a higher valueNo.57	M	Forward sewing number Become less and shorter, Adjust the parameters to lower valuesNo.57
No.57 No.58	Reverse sewing and forward stitching joint	V	Forward sewing number Become less and shorter , To adjust the parameters to a higher value No.58	И	Reverse stitch number Become less and shorter , Adjust the parameters to lower value No.58
continuous reinforcing	Forward sewing and reverse stitching joint	W	Reverse stitch number Become less and shorter, To adjust the parameters to a higher value No.60	W	Forward sewing number Become less and shorter , Adjust the parameters to lower valuesNo.60
-sewing No.60 No.61	Reverse sewing and forward stitching joint	W	Forward sewing number Become less and shorter , To adjust the parameters to a higher value No.61	W	Reverse stitch number Become less and shorter , Adjust the parameters to lower value No.61

45

Error Code Contents		Possible reasons	Checking and treatment		
E011 E012 E013 E014	Motor signal error	Motor position sensor signal failure	If electric engine plug is well contacted; if electric engine signal detecting device has been broken if sewing machine handwheel correctly installed.		
E015	Model type error	Unable identify operating box model type	Check operating box		
E021 E022 Motor overload E023		motor stall motor overload	If electric engine plug is well contacted; if machine head or thread-cutting mechanism has been blocked completely;f materials are too thick; Electrical signal detection signal whether the normal.		
E101	Hardware drivers fault	Current detection abnormal Driving hardware error	Current detection loop system is working properly; Whether the damage to the device driver.		
P111	Voltage too high	High input voltage	System into line voltage is too high;		
E111 F112		Brake circuit fault	Braking resistance are working properly;		
		Voltage detection error	System voltage detection circuit are working properly.		
E121 E122	Voltage too low	Actual low voltage Voltage detection is wrong	If the voltage on the inlet wire is too low Whether the system voltage detection circuit the normal work.		
E131	Current circuit fault	Current detection abnormal	Current detection loop system is working properly.		
E133	Oz circuit fault	Oz circuit fault	Oz circuit system is working properly.		
E151	Magnet circuit error	Over current magnet circuit	If machine head magnet suffers short circuit Electromagnet circuit is working properly.		
E201	over current	Current detection error	Current detection loop system is working properly Electrical signal is normal.		
E211 E212	Abnormal motor operation	Current or voltage detection error	If electric engine plug is well contacted; If electric engine signal is matched.		
E301	Communication error	Sci circuit error	if operation box plug is well contacted; if operation box components are damaged.		
E302	Operation inner failure	Sci circuit error	To check whether the operating box is damaged		
E402	Pedal ID fault	Pedal verification fault	Pedal connection is loosen.		
E403	Pedal zero position fault	The pedal zero position over range	The pedal is damaged or it is not under stop state when correction.		
E501	Safety switch fault	Safety switch effective	Put down the head or check turned up switch.		
P.oFF	Power off Display	Power off	Wait for power supply to resume.		

Note: 1. Sewing abnormal action (speed electromagnet work abnormal): in the control interface view model is correct: 2. Turn up E501 fault when: sure it is normal to switch detection, temporary use can change the P-28 parameters;
3. If the above according to check the project cannot rule out fault, please seek technical support.