

WR5818 Simple Integrated Motor Manual for Overlock Sewing MachineV1.0

1.Safety Precautions:

- Before use, please read carefully both the technical data and the operation instructions of the corresponding sewing machine for proper operation.
- 1.1 (1) Power supply voltage and working frequency: please follow the specification of the motor and the nameplate of control cabinet.
- (2) Electromagnetic wave interference: please keep the machine away from the high frequency magnetic wave machine or radio transmitters, etc., in order to avoid malfunctions caused by the electromagnetic interference to the driving gear.
- (3) GND: To prevent noise interference or the electric leakage accident, please ensure proper earthing (including the sewing machine, motor, control box, and locator).
- 1.2 Before tearing down the motor or control box, make sure the plug is not charged; to avoid the dangerous high voltage in the control box, only more than 1 minute after the power is off can the cover be opened.
- 1.3 To guarantee personal safety, make sure the power is off when repairing the machinery or needling work is on.
- 1.4  This symbol signifies that in the machine installation any mistakes could cause harm to human body or damage to the machine.
-  This symbol, which can be seen in places of electrical dangers, is a warning of such dangers as high voltage.
- 1.5 The warranty period will be one year if the machine is working under normal condition and not mistakenly operated.

2. Parameter Table:

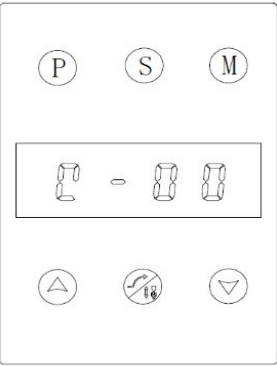
Serial number	Function parameter	Default	Range	Step	Parameter specification	Grade
1	Sewing speed	5000	200~ P80 (rpm)	100	Actual sewing speed setting	I
2	Soft start pin number	1	1~9	1		I
5	No needle position set	0	0~1	1	0: Close 1:Open	I
21	Soft Start speed 1	400	100~3000(rpm)	50	Soft start 1st stitch speed	I
22	Soft Start speed 2	1000	100~3000(rpm)	50	Soft start 2nd stitch speed	I
23	Soft Start speed 3	1500	100~3000(rpm)	50	Soft start 3 to 9-pin speed	I
27	The power to find the needle position	0	0~1	1	0:invalid 1:valid	I
41	Low-speed speed	300	100~500(rpm)	10	Minimum sewing speed	I
42	Pedal curve selection	0	0~2	1	0: normal 1: slow down increasingly 2: speed up increasingly	I
62	Start pedal stroke	25	10~50	1		I
63	Accelerator pedal stroke	50	10~100	1		II
64	High-speed pedal stroke	110	10~150	1		II
67	Step 1 after stroke	-30	-100~~10	1		II
69	Lower stop needle angle	175	120° ~240°	1		II
75	Head reference position	120	0~240	1		II
79	Restore factory settings	0	0~15	1	Only select 8 effective, other parameter selection is invalid	II
80	Maximum sewing speed	5000	300~7000(rpm)	100	Maximum sewing speed	II
93	Pedal neutral position	0	-15~15	1		II

3.System Monitoring State:

In the default mode of the operation panel, normally, when the p key combined with  mode key are pressed, the monitoring state will be activated. Then, pressing the up or down arrow key will make you known to the relevant monitoring parameter. Enter the System monitoring state, Press the + or - key to choose the item you want to view and key S to enter or return the selected item. If you want to exit the monitoring interface, press the P key.

Display No.	Project Name	Unit		Display No.	Project Name	Unit
U1	Motor speed	rpm		U7	Head Models	bao
U2	Motor current	0.01A		D1	DSP version	Vxxx
U3	Busbar voltage	V		D2	DSP model	F80
U4	Pedal voltage	0.01V		H1	HMI version	Vxxx
U5	Nose mechanical angle	Degrees		H2	HMI model	C92
U6	Initial motor angle	degrees				

4. Operating box button:



Function	According to the key	Describe
Function keys		Into the parameter setting interface long press, according to a short return to the sewing interface
Enter		
No function		
UP key		
Soft start and stop the needle up and down the compound key		Press: Soft Start function on and off Long press: needle stop up or down to select
Down key		

Liquid crystal display shows	
From the left the first display	On behalf of the motor rotation direction
Second from the left shows	There is no meaning
From the left third display	On behalf of the soft start function (0 represents off; 1 on behalf of open.)
The fourth from the left	Needle stop at 0 representative; stop needle represents

5. Function shortcut Settings:

A parameter adjustment disorder after a key Restore Mode: In a parameter debugging interface, such as forgetting to factory settings, press the "Ⓜ" key to a key to restore the factory settings, this feature is only valid for the current selection of a parameter, you can not make all parameter options are restored.

Password mode: Press "Ⓟ" to enter the password mode (continue to enter the parameter "Ⓟ" key, LCD 0000, press "Ⓜ" change position, press the "Ⓢ" key to change the value of the corresponding position, press "Ⓢ" If the password is correct will return after the key parameter interface

Note: the grade I parameters without password; Class II parameter password as "1111".

Restore factory settings: In standby mode, press "Ⓟ" to enter parameter interface, press "Ⓢ" transferred "P79" Number parameter, press the "Ⓢ" parameter will display number "0" into the "P79", then "Ⓢ" transfer to "8", press the "Ⓢ" key will display "no", then press "Ⓢ" transferred "yes", then press "Ⓢ"

6. Failure code:

Failure Indication	Failure:	Possible Causes	Checking Items and Handling
E011/E012/E013/E014	Electrical signal failure	Sensor signal failure in motor position	Whether the motor plug connects well. Whether electrical signal detection device is damaged Whether handwheel of the sewing machine is well installed.
E021/E023	Motor overload	Motor stalling Motor overload	Whether the motor plug connects well. Whether sewed material is thicker than that of the standard one. Whether current detection signal is normal
E101	Hardware drive failure	Abnormal current detection Driving device direct connection	Whether circuit for detecting system current woks normally Whether drive device is damaged
E111/E112/E113	System voltage is too high	Actual voltage is higher Braking circuit fault Something wrong with voltage	Whether system inlet wire voltage is too high Whether braking resistor works normally Whether system voltage detection circuit works normally
E121/E122	System voltage is too low	Actual voltage is lower Something wrong with voltage	Whether system inlet wire voltage is too low Whether system voltage detection circuit works normally
E131	Current detection circuit malfunction	Abnormal current detection	Whether circuit for detecting system current woks normally
E141	System data read/write failure	Abnormal system data reading/writing	Whether system data read circuit works normally Whether data chip is damaged
E201	Motor current is too large	Abnormal current detection Abnormal motor running	Whether circuit for detecting system current woks normally Whether electrical signal is normal
E211/E212	Abnormal motor running	Abnormal motor running	Whether the motor plug connects well. Whether electrical signal is correct
E301	Operation box communicates not well	Loss of head operation box communication data	Whether operation box plug connects well Whether operation box is damaged
E302	Operation box saves wrong data	Operation box saves wrong data	Check whether storage chip of operation box is damaged
E402	Pedal fault	Pedal did not answer	Check whether the connected pedal
E403	Pedal zero position correction failure	Pedal zero position correction beyond the scope	Pedal damages or correcting when pedal is not in the stop state

7. Accessories included

Serial number	Product name	Qty:	Specifications	Confirmation	Remark
1	Electric cabinet	1			
2	Ball rod string	1			
3	Foot Plates	1	PL-305		Including stents
4	Pedal set screw	3	M5×25		Hex flange tapping screws
5	Specification	1			
6	Power cord	1			