

700K/700L split-type overlook direct drive instruction

1、 The motor installation steps

1.1 Step 1

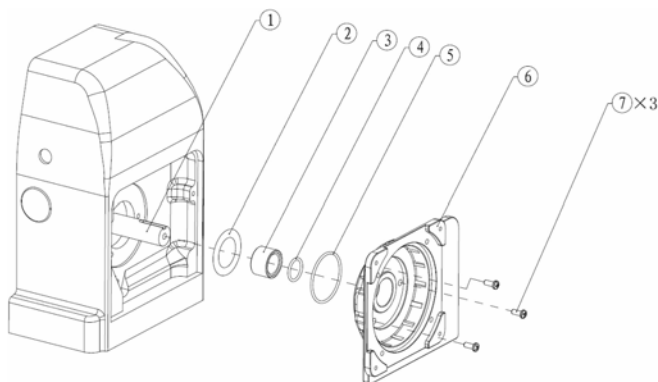


Fig. 1-1

Table 1

NO.	Material name	quantity	Comment
1	Rotary spindle	1	
2	corrugated washer	1	Customer supply or original parts on the machine
3	Spindle oil seal	1	
4	Sealing ring for main shaft oil seal A	1	
5	Bearing stop cover sealing ring B	1	
6	The Plug board	1	When mounting, the original bearing stop cover of the machine must be removed.
7	The screw, SM11/64(40),long10mm	3	Customer supply or original parts on the machine

The installation steps 1 of instructions:

- 一、 The operator put part 2 and 3 in the sewing machine rotating spindle 1, parts 2 close to the bearing outer ring, parts 3 close to the bearing inner ring; Put O type sealing ring A to the corresponding position of parts 3 ;
- 二、 Put O type sealing ring B to the corresponding position of the plug board 6;
- 三、 The parts 3 and the plug board 6 are matched together, the fastening of 3 screws (7) . The effect of the fastening screws (7) are auto rotated to the rotary spindle 1.

1.2 Step 2

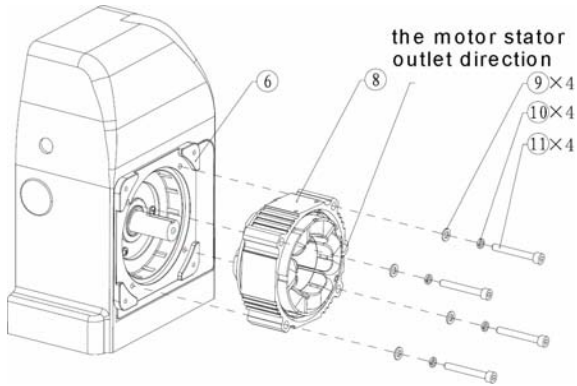


Fig. 1-2

Table 2

NO.	Material name	quantity	Comment
8	The motor stator	1	
9	Φ5/ plain washer	4	
10	Φ5/ spring washers	4	
11	The screw, M5*40 internal six angle cylinder head screws	4	

The installation steps 2 of instructions:

- 一、Put the motor stator 8 to the corresponding of concentric position of the plug board 6.
- 二、Fit 4 screws 11, with 4 plain washers 9 and 4 spring washers 10 and then fasten.

1.3 Steps 3

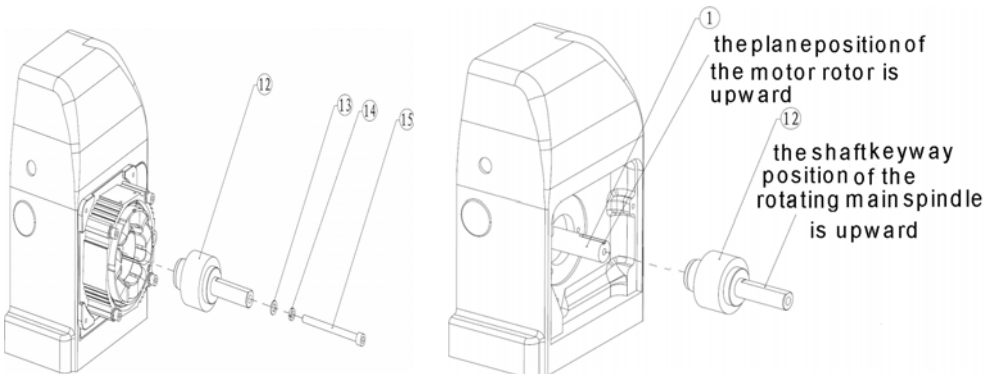


Fig. 1-3

Fig. 1-4

Table 3

NO.	Material name	quantity	Comment
12	Motor rotor	1	12
13	Φ6/ plain washer	1	13
14	Φ6/ spring washers	1	14
15	The screw, M6*75 internal six angle cylinder head screws	1	15

The installation steps 3 of instructions:

- 一、The motor rotor 12 and the rotating main spindle 1 are matched together, the plane position of the motor rotor is upward, the shaft keyway position of the rotating main spindle is upward, see fig.1-4 ;
- 二、Fit 1 screws 15, with 1 plain washers 13 and 1 spring washers 14 are fasten.

1.4 Steps 4

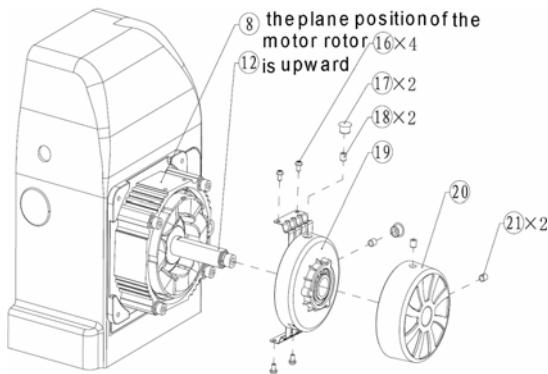


Fig. 1-5

Table 4

NO.	Material name	quantity	Comment
16	M3*8/ Cross recessed countersunk head screws, Spring washer and plain washer assemblies	4	
17	Φ8.5 rubber plug	2	
18	M5*6/ Internal six angle flat end locking screw	2	The encoder is owned by itself.
19	Encoder	1	
20	Hand wheel	1	
21	M5*6/ Internal six angle flat end locking screw	2	The hand wheel is owned by itself.

The installation steps 4 of instructions:

- 一、 Put encoder 19 into motor rotor 12;
- 二、 4 screw 16 is used to fix the elastic piece of the encoder on the upper and lower two sides of the motor stator 8 and fasten ;
- 三、 2 screws 18 is used to fix the first screws 1 to the motor rotor plane to the location, then tighten the other 1,see 1-5;
- 四、 2 screws 21 is used to fix the first screws 1 to the motor rotor plane to the location, then tighten the other 1,see 1-5;

1.5 Steps 5

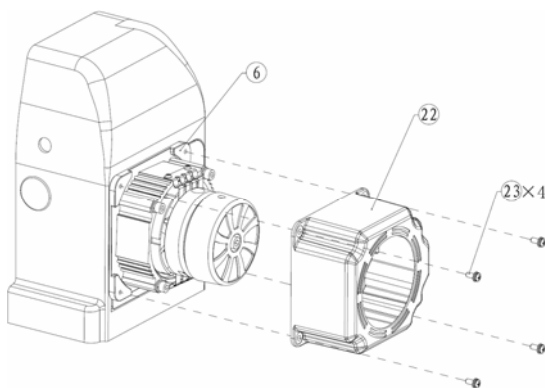


Fig. 1-6

Table 5

NO.	Material name	quantity	Comment
22	Motor cover	1	
23	M4*10/ Cross recessed countersunk head screws, Spring washer and plain washer assemblies	4	

The installation steps 5 of instructions:

The motor cover 22 is used 4 screws 23 fastening the plug plate 6.

2、Initial angle test

This is only for PMX 27 electric control matching split type package seam direct drive motor (the controller by matching the software parameters have been written), in the operation Initial angle test must be done before.

2.1 Step 1: Power-on

Motor lines and other control lines are inserted with the electric control interface, open the power switch, the operation panel digital tube flashing presents a reverse ring state, as shown in figure 2-1, any state can enter the step 2:



Fig. 2-1

2.2 Step 2: Initial angle test

- 一、 Press **P** key and press **||** key again ,the same time release . See figure 2-2;
- 二、 Press **P** key again, see Figure 2-3, the screen display is "P00", see figure 2-4.



Fig. 2-2



Fig. 2-3



图 2-4

三、 Press  key and  key to "18", see figure 2-5;

四、 Then press the S key to confirm, the screen display is "000", see figure 2-6;



五、 Press  key to "002", see Figure 2-7; Press  key again, see Figure 2-8; and then step on the pedal switch to the initial angle test. During the testing process, the needle bar / needle can be up and down, and the needle bar / needle stops shaking, and the test is finished.



图 2-5



图 2-6




图 2-7




图 2-8

2.3 Step 3: When the initial angle test is finished, the initial angle test mode should be changed back to the running mode.

一、 Press  key and then press  key, the same time release ,see 2-9;

二、 Press  key again, see 2-10, the screen display is "P00", see 2-11.

三、 Press  key and  key to "18" , see 2-12;

四、Then press  key to confirm, the screen display is “002” (the initial angle is test state) , see 2-13;

五、Press  key to “000”, see 2-14; Press  key again, see 2-15; (Set back to motor transport Line mode)



图 2-9



图 2-10



图 2-11



图 2-12



图 2-13



图 2-14



图 2-15

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