

MSK-8900M

Industrial Sewing Machine



INSTRUCTION MANUAL

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OPERATION INSTRUCTION

1. Brief introduction

MSK-8900M/H high speed straight lockstitch sewing machine adopts single needle, needle bearing link to take up thread, small hook to catch loop which forms lockstitch seam. It features high precise bevelgear for driving upper and lower shafts, dial stitch length regulator, lever type forward and reverse feed mechanism, full automatic lubricating system assures reliable lubrication.

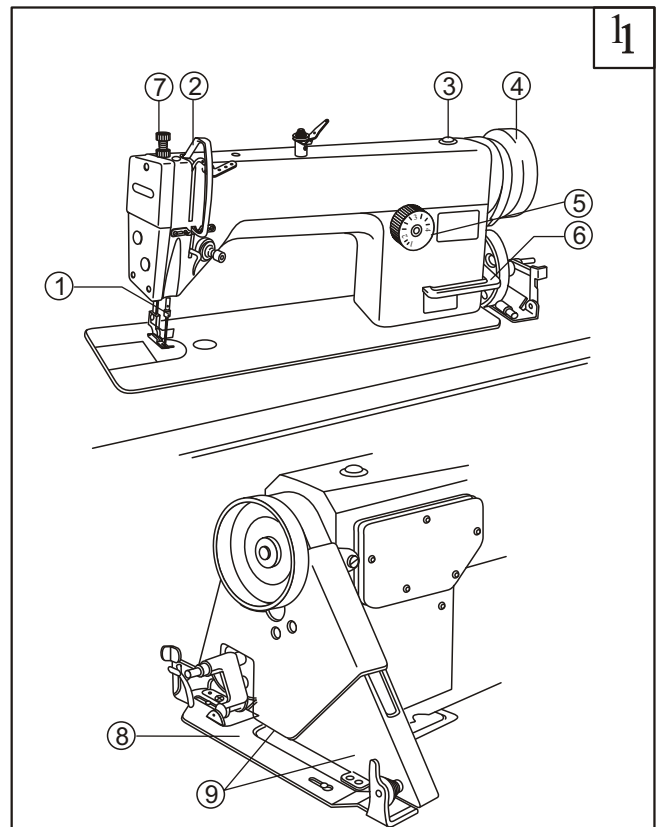
With the features of reasonable design, beautiful appearance, precisely manufacture, little vibration and lower noise, it's a good machine for the makers of garments, suitcase, leather goods, shoes and caps, etc.

2. Main specifications

Model	MSK-8900M	MSK-8900H
Applications	Medium - and heavy - weight materials	Heavy - weight materials
Max. Sewing speed	4200.s.p.m.	3500.s.p.m.
Max. Stitch length	4.2mm	5mm
Needle bar stroke	31mm	35mm
Presser foot lift height	6mm by hand	
	13mm by knee	
Height of feed dog	0.8mm	1.2mm
Needle	DB×1 14#	DB×1 21#
Hook	Small auto - lubricating hook	
Lubrication	Automatic lubrication	
Motor power	370W	

3. Main parts name (Fig. 1)

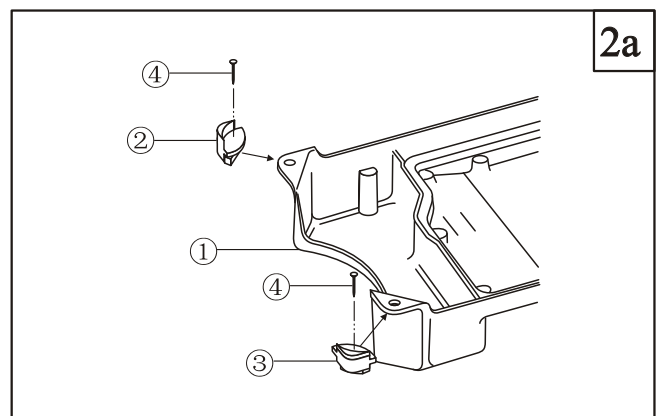
- ① Needle bar
- ② Thread take-up lever cover
- ③ Oil window
- ④ Hand wheel
- ⑤ Stitch dial
- ⑥ Feed lever
- ⑦ Pressure adjusting screw
- ⑧ Bobbin winder
- ⑨ Belt guard

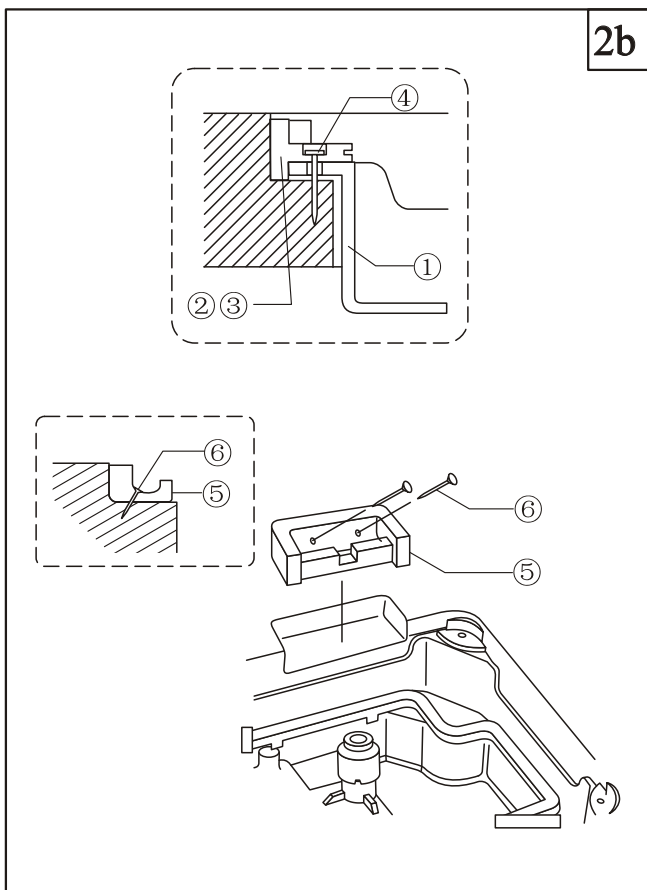


4. The method of installation

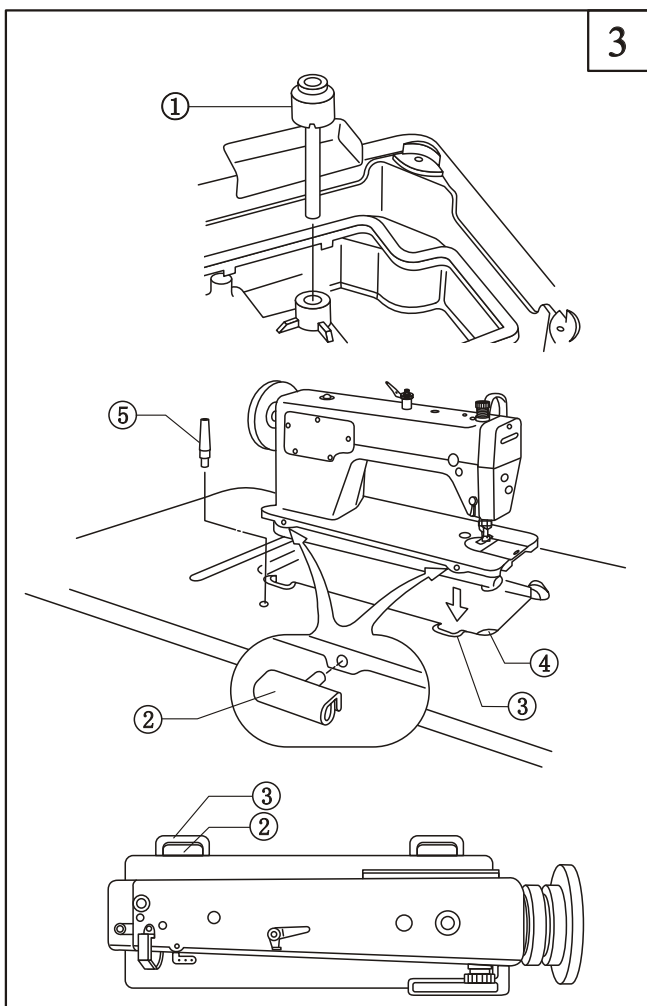
1. Installing the oil pan (Fig. 2)

(1) Put the vibration-proof pad (black) ② and (double color) ③ under the four corners of oil pan ①;





- (2) Put the oil pan ① into the cutouts of table and fix it by nails ④ ;
- (3) put the machine casting hinge cushion ⑤ into the cutouts of table and fix it by nails ⑥.



2. Installing the machine head (Fig. 3)

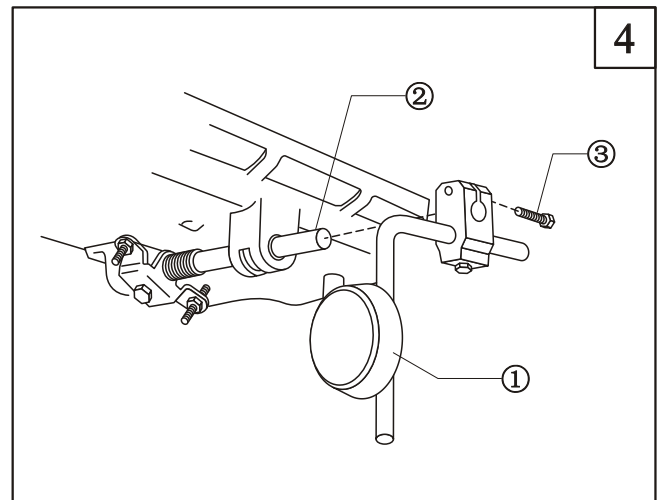
- (1) Insert the knee lifting rod ① ;
- (2) Insert the casting hinge ② to the hole in the bed;
- (3) Put the hinge ② in the cushion ③ and put the head on the pad ④ ;
- (4) Inset the machine head supporter in the table.

Notice:

- Be sure to full inset the supporter in the table
- Otherwise it may cause danger while put the machine head down.

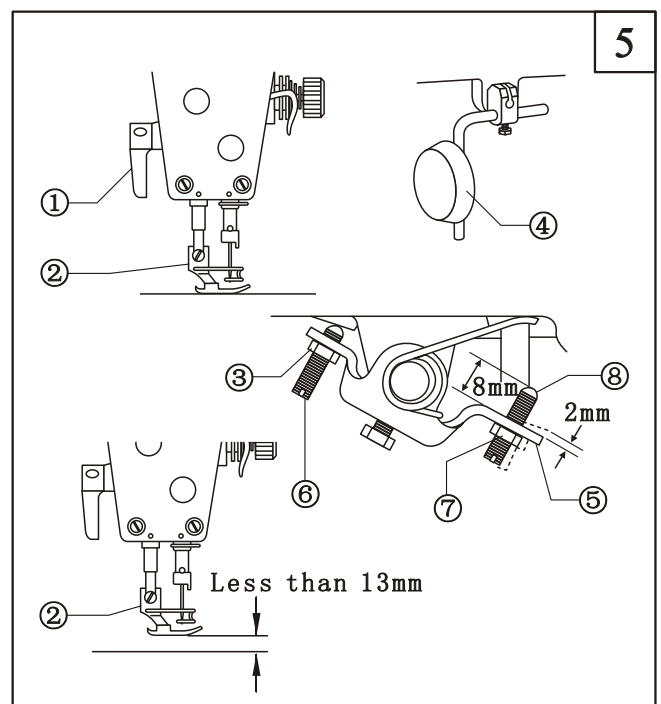
3. Installing the knee lifter (Fig. 4)

Install the knee lifter ① on the knee lifter hinge shaft ② and fix it by screw ③.



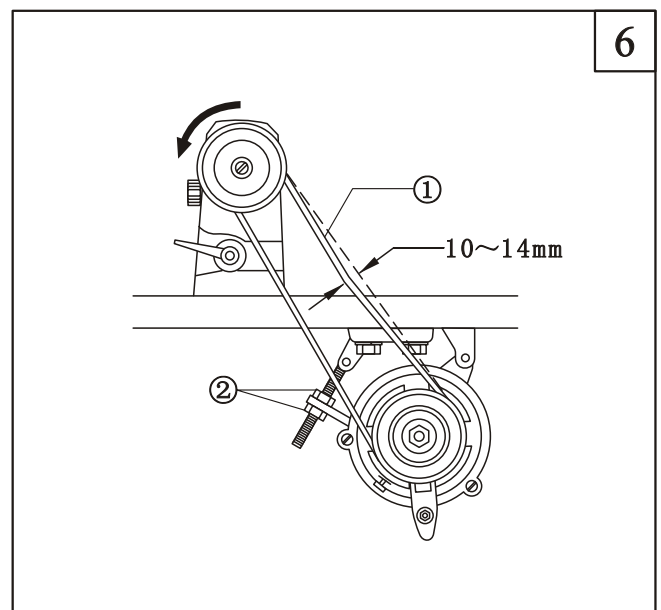
4. Adjusting the knee lifter mechanism (Fig. 5)

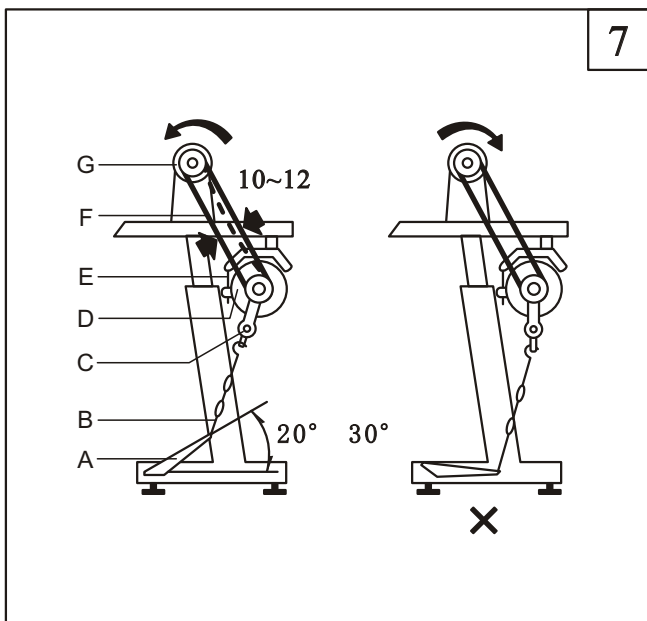
- (1) Lay down the presser foot lifting bar ① to lower the presser foot ②;
- (2) Loosen the nut ③;
- (3) Press the knee lifter plate cover ④ to make movement amount of the knee lifter positioning bracket ⑤ about 2mm, then adjust the screw ⑥;
- (4) After adjustment, tighten the nut ③.
- (5) Loosen the nut ⑦;
- (6) Adjust screw ⑧ to make its length above the bracket ⑤ 8mm;
- (7) Adjust screw ⑧, the clearance between presser foot and needle plate should be less than 13mm when the knee lifter is pressed to its maximum position;
- (8) After adjustment, tighten the nut ⑦.



5. Installing the V-belt (Fig. 6)

- (1) Lower the machine head and install the belt ① on the hand wheel and motor pulley;
- (2) Press the belt ① by forefinger with the power of 4.9N (500gf), adjust the nut ② to make the belt a slack of 10~14mm.





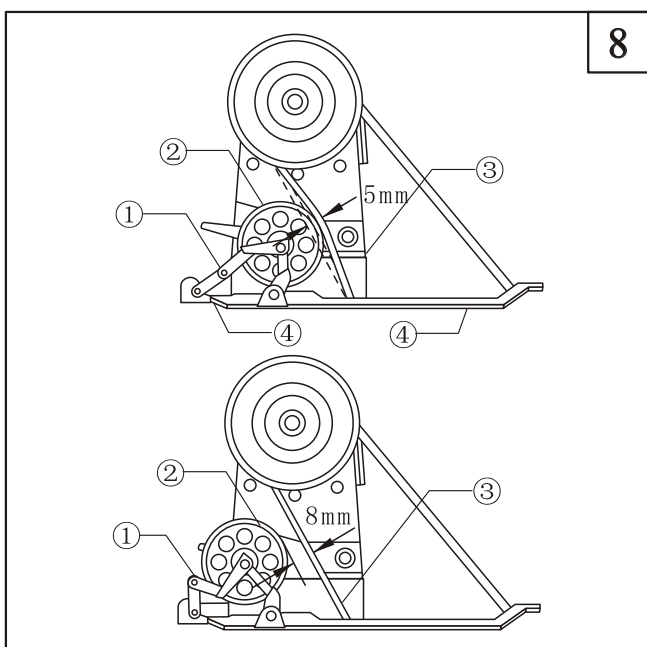
6. Connecting pedal with lever of clutch motor (Fig.7)

(1) The optimum tilt angle of pedal A against floor is approx.20°~30° .

(2) Adjust the clutch of motor E to make the rod B and the clutch lever C run in one line.

(3) When running, the machine balance wheel G should rotate counter - clockwise observed from opposite side of the balance wheel, the motor D rotates in the same direction. The rotation of motor can be reversed by reversing the plug of power (turn over 180°)

(4) Adjust the tension of V-belt F by moving the motor upward or downward. The proper tension of V-belt is a slack of 10~12mm when the V-belt is depressed by forefinger.



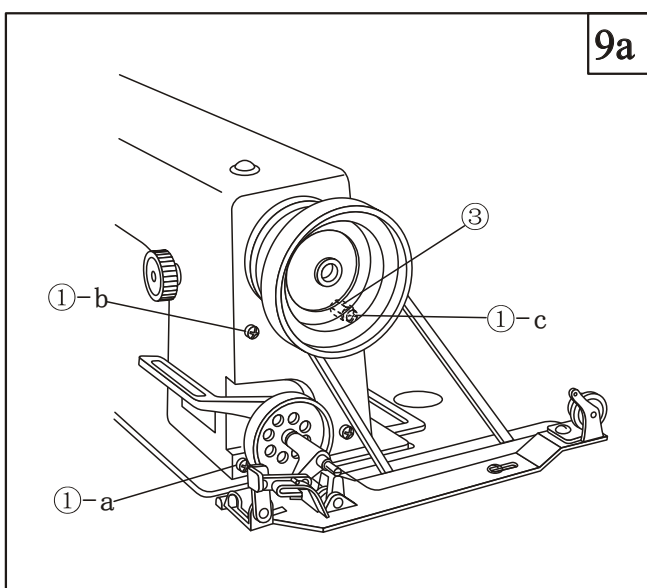
7. Installing the bobbin winder (Fig.8)

(1) Press the winding controlling lever ① to its utmost position;

(2) Install the winder parallel with the belt hole in the table, be sure that the belt ③ can be pressed to 5mm by winder pulley ②;

(3) Fix the winder by two wooden screw ④;

(4) When the lever ① restores its original position, be sure that the clearance between winder pulley ② and belt ③ is 8mm.



8. Installing the belt guard (Fig.9)

(1) Install the three screws ① on the machine casting, please don't tighten the screws too tight.

(2) Lay down the machine head and install the belt guard ② in the screw bar ③ and screw ①, tighten the screw ①-a.

(3) Raise the machine head and tighten the screw ④.

(4) Aim the gib ⑥ of upper belt guard ⑤ to the screw ①-b, and cover the hand wheel by upper belt guard ⑤.

(5) Fix the upper belt guard ⑤ by screw ①-b, ①-c and ④.

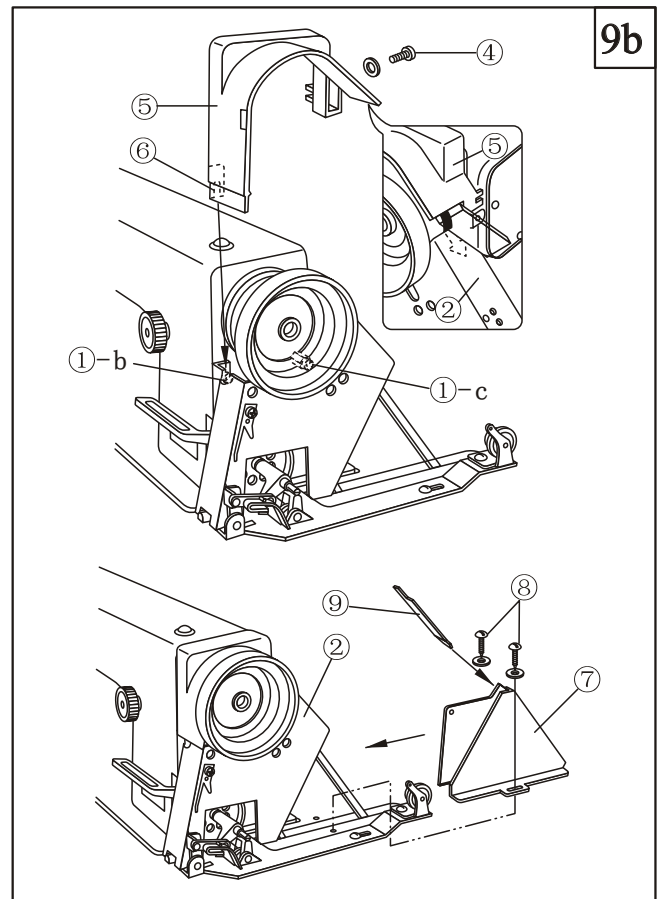
(6) Install the lower belt guard ⑦ and there should be a overlap of 2~3mm with belt guard ②, tighten the two screw ⑧.

(7) Insert the plate ⑨ between belt guard ② and ⑦.

(8) Move the plate ⑨ along the groove of belt guard ⑦ as far possible.

(9) Be sure that there should be not any clearance between belt guard ② and plate ⑨.

(10) Tighten the two screws ⑧ (refer to step ⑥).



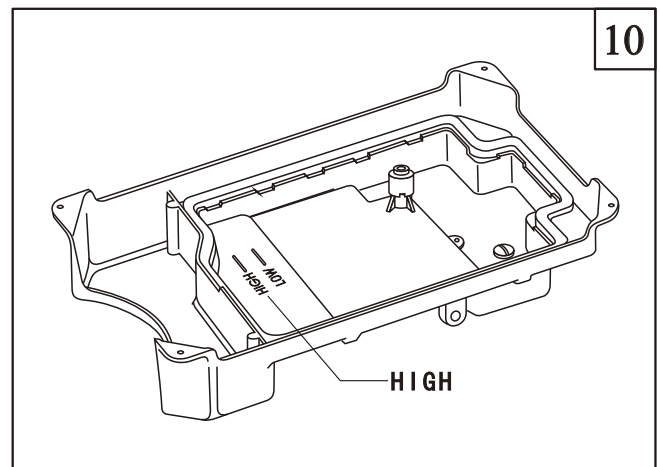
9. Oiling

(1) Please pull out the power plug to avoid hurting;

(2) lay down the machine head and fill the oil in the oil pan till to the mark of “HIGH”

Notice:

- Please use sewing oil 18#
- Please replenish the oil when the level of oil approaches to the mark of “LOW”



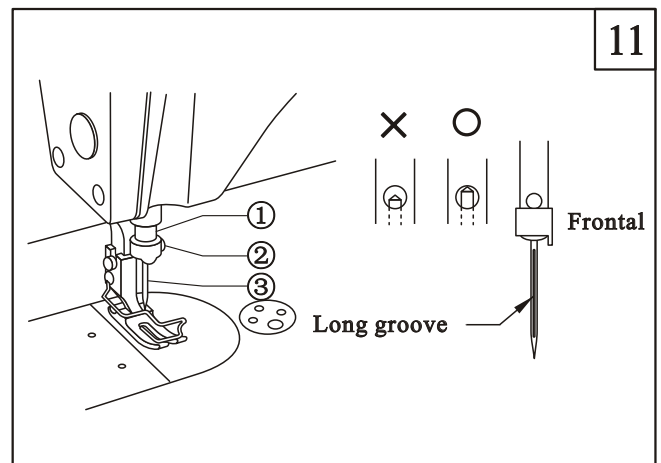
5. Preparation before sewing

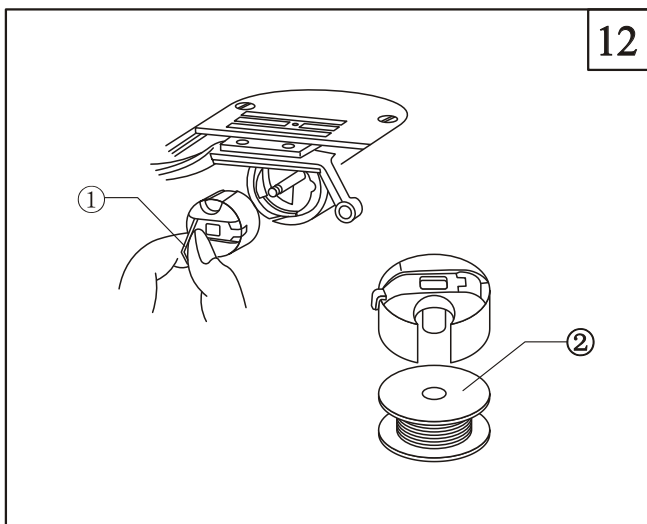
1. Installing the needle (Fig. 11)

(1) Turn the hand wheel to lift the needle bar ① to its highest position;

(2) Loosen the needle set screw ②;

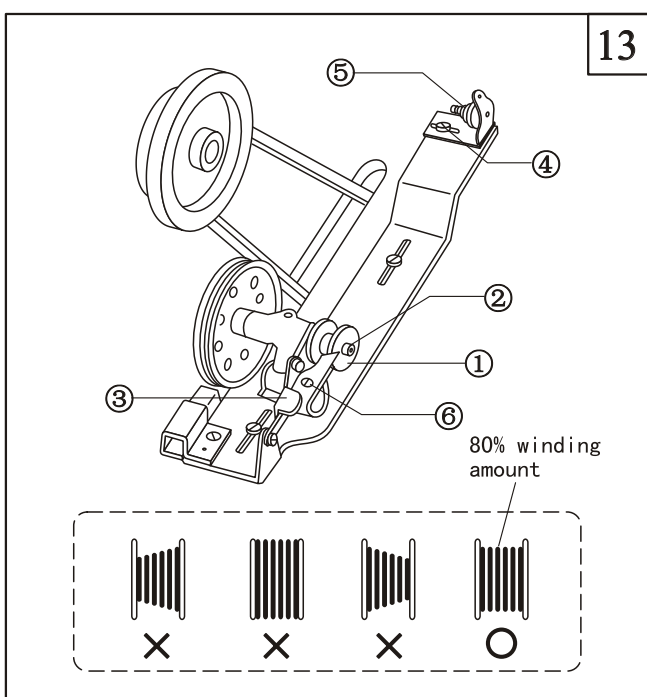
(3) Make the needle groove to the left side of the operator, then fully insert the needle shank until to the bottom of the needle bar socket, tighten the set screw ②.





2. Uninstalling the bobbin case (Fig. 12)

- (1) Turn the hand wheel to lift the needle above the needle plate;
- (2) Open the opener ① and uninstall the bobbin case;
- (3) Release the opener ① and uninstall the bobbin ②



3. Winding the bobbin thread (Fig. 13)

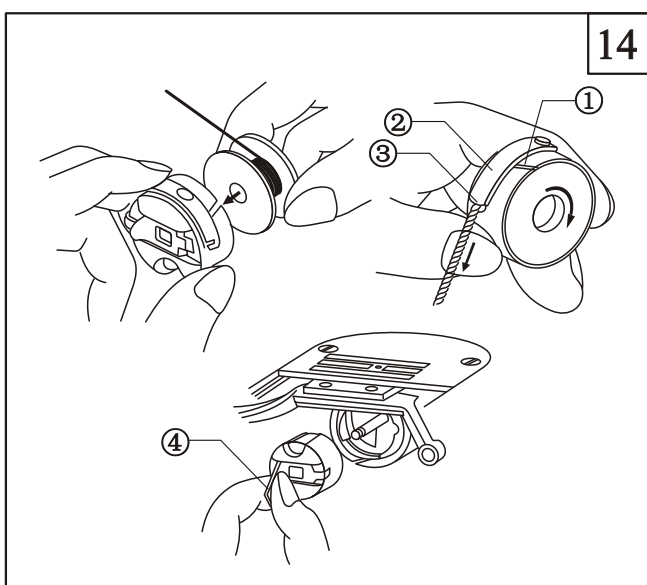
- (1) Turn the power on;
- (2) Install bobbin ① to bobbin winder shaft ②, push the lever ③ down to the utmost position;
- (3) Wind the thread several circles on the bobbin ①
- (4) When the machine running, the bobbin will be wound;
- (5) After winding, the lever ③ will be released automatically, then uninstall the bobbin.

※ If the thread is wound unevenly. Loosen the screw ④ and move the bracket ⑤ to the side which the thread is little wound.

※ The winding amount can be adjusted by screw ⑥

- Increase the amount → tighten
- Decrease the amount → loosen

Please be sure the optimum capacity of thread is filled about 80% of bobbin outside diameter

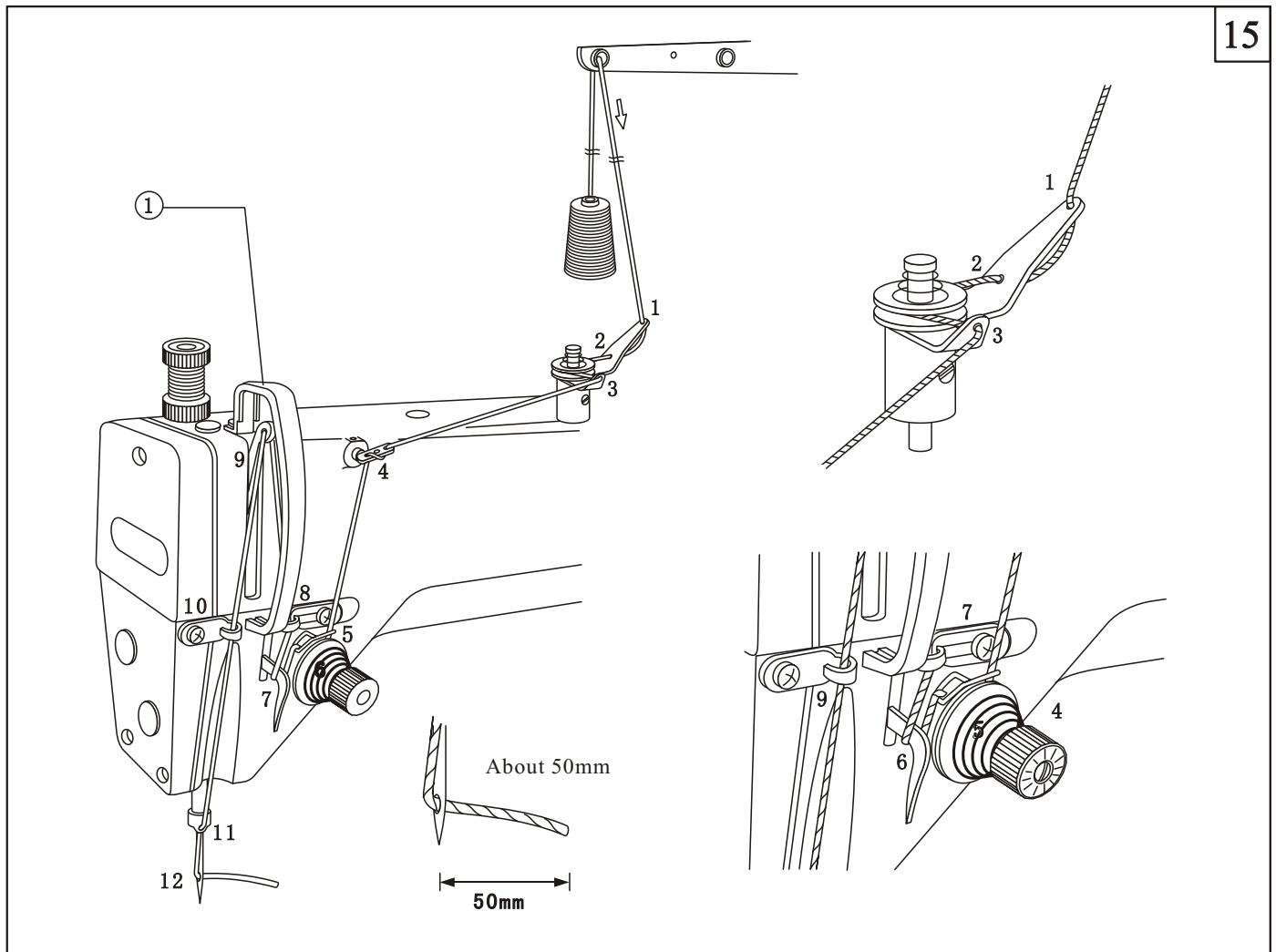


4. Install the bobbin case (Fig. 14)

- (1) Put the bobbin into the bobbin case as Fig 14 shown;
- (2) Draw the bobbin thread through the slit ① and pass it under the lace spring plate ②
- (3) Draw the bobbin thread out of the slit ③ at the top of lace spring plate;
- (4) Draw the thread and confirm if the bobbin can turn;
- (5) Hold the opener ④ and put the bobbin case in the hook.

5. Threading the needle thread (Fig. 15)

Turn the hand wheel to lift the thread take-up lever ① to its highest position.

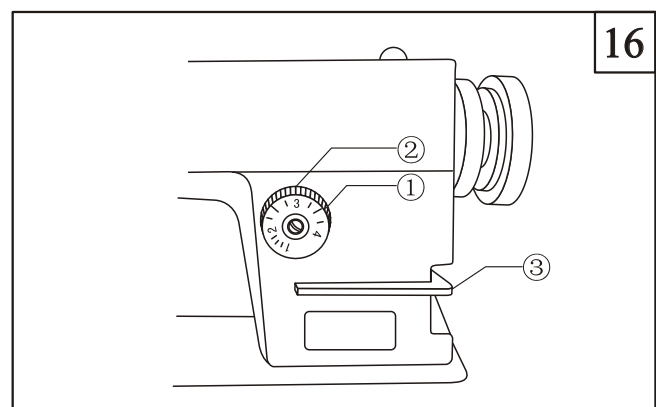


6. Adjusting the stitch length (Fig. 16)

(1) Turn the stitch dial ① to make the pin ② aim at the number on the stitch dial.

● The more big the number becomes, the more long the stitch length is.

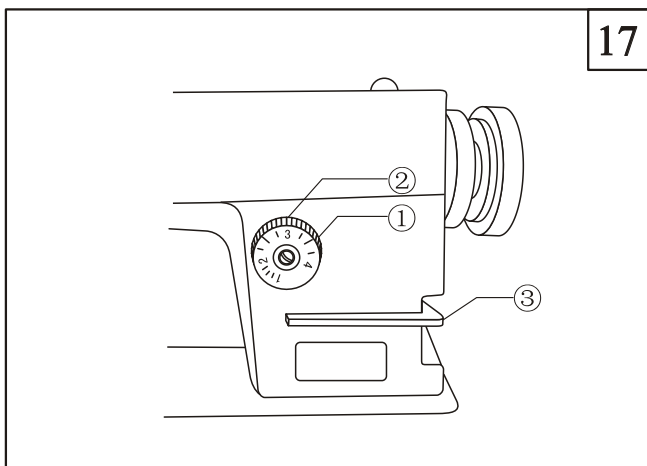
● Please put the feed lever ③ at the medium position, then the dial can be turned easily.



6. Sewing

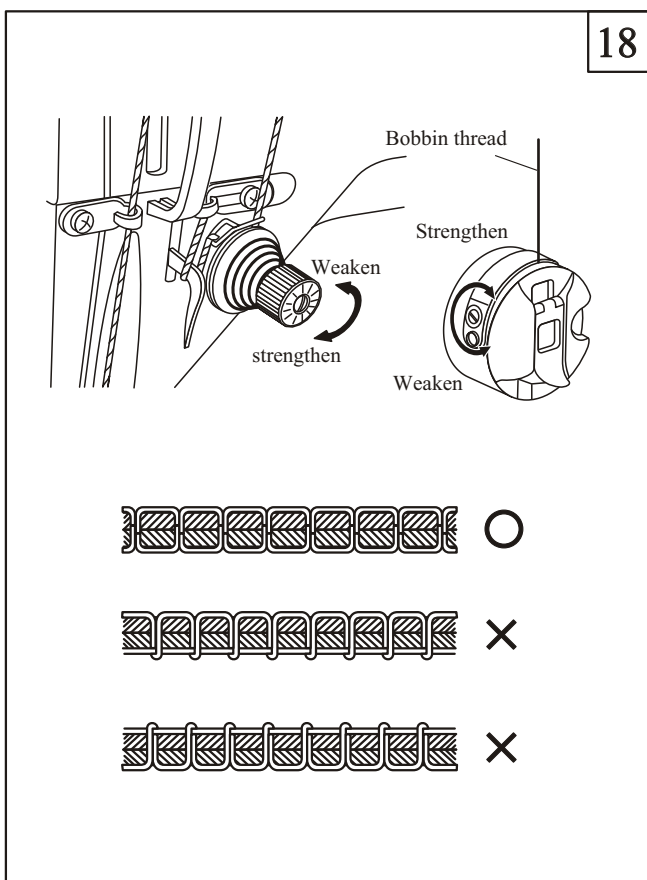
1. Sewing method

- (1) Turn the switch on;
- (2) The sewing begins after step the pedal



2. Reverse sewing (Fig.17)

When sewing, press down the feed lever ③ to perform reverse sewing, release the lever, the forward sewing is resumed.



7. Adjusting the tension of thread

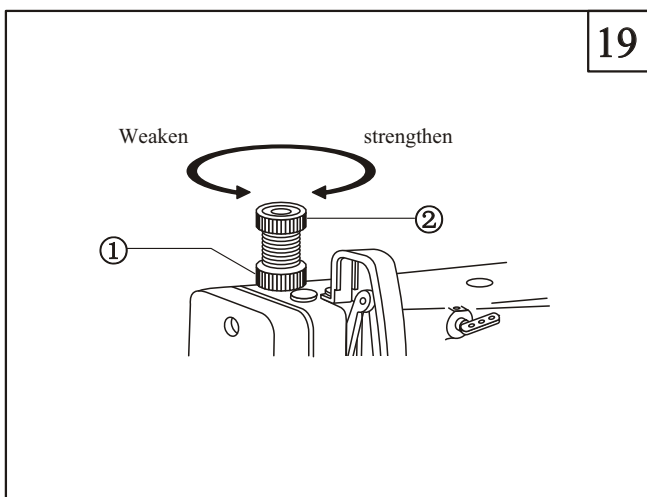
1. Adjust the tension of thread (Fig. 18)

(1) Adjust the tension of needle thread

Lower the presser foot and adjust the nut ① as shown in the Fig 18 (left)

(2) Adjust the tension of bobbin thread

Hold the tip of bobbin thread, the proper tension is that the bobbin case can drop slowly, Adjust the screw ② as shown in the Fig.



2. Adjust the pressure of presser foot (Fig. 19)

(1) Loosen the nut ① .

(2) Turn the screw ② to adjust the pressure

※ Under the condition of without slippage, the more small the pressure of presser foot, the more good it is.

(3) Tighten the nut ①.

8. Maintenance (Fig. 20~25)

For protect the sewing machine and keep its good performance, the machine must be maintained every day, if the machine is left unused for a long time, please maintain it as following sequence

1. Lift the presser foot;
2. Loosen the screw ① and uninstall the needle plate ②;
3. Clean the dust on the feed dog ③ with a tooth brush;
4. Fix the needle plate ② by screw ①.

5. Turn the hand wheel slowly to make the needle enter into the center of the hole of needle plate ② exactly;

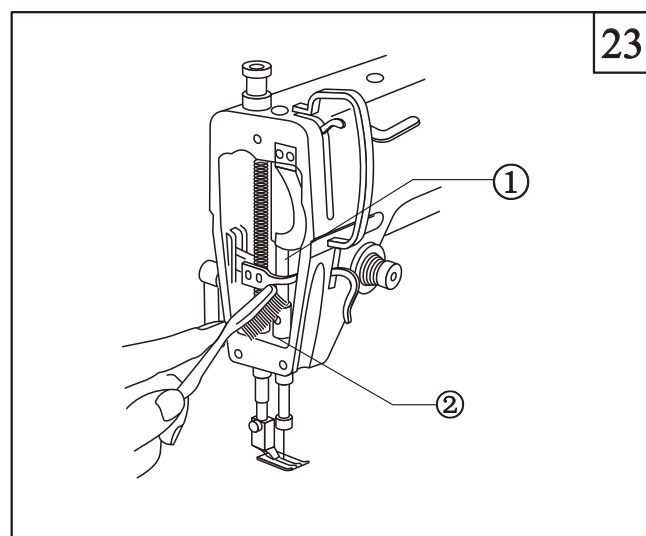
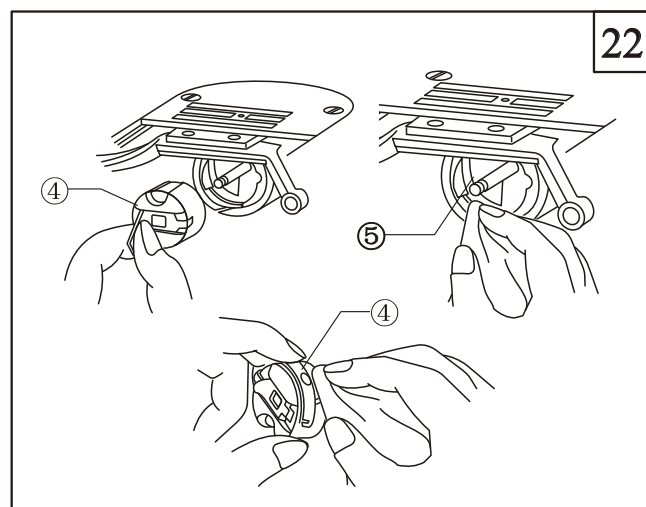
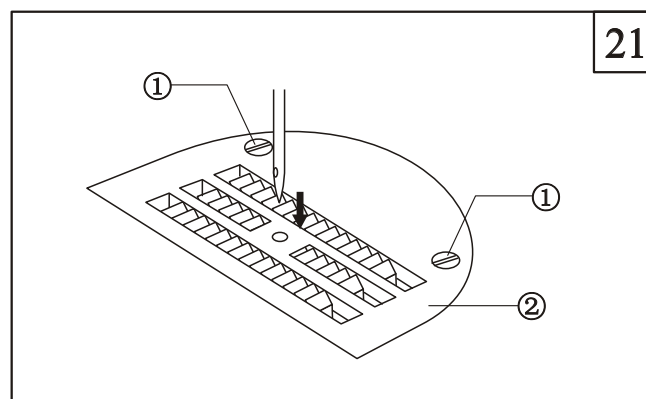
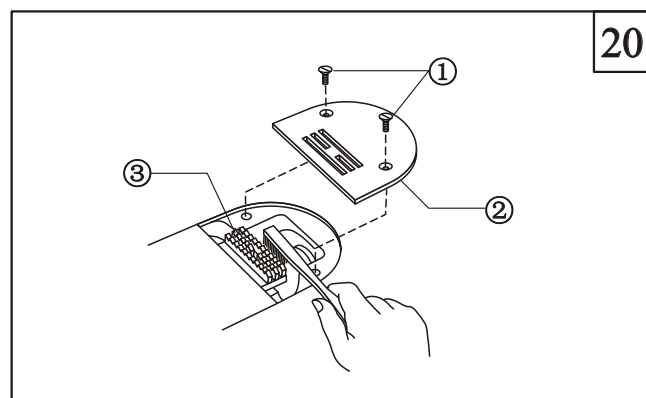
※ If the needle cannot enter into the center of the hole of needle plate,

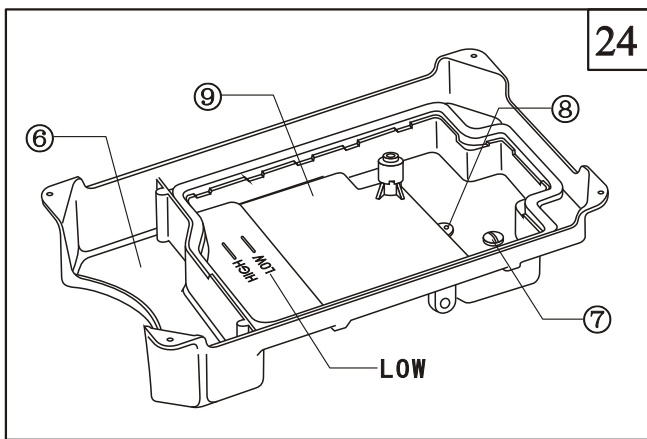
- Confirm if the needle bends
- Loosen the screw ① and adjust the needle plate ② again.

6. Turn the hand wheel to lift the needle up to the needle plate ② and confirm if the pinpoint has been damaged, if yes, please change a new one.

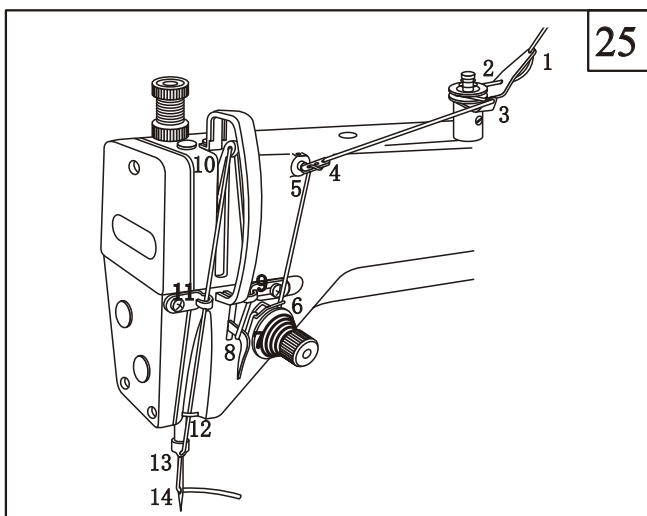
7. Lay down the sewing machine
8. Uninstall the bobbin case ④ ;
9. Clean the dust on the hook ⑤ and check if it has been damaged;
10. Pull the bobbin out of the bobbin case ④ and clean the bobbin case ④ with cloth;
11. Put the bobbin in the bobbin case ④ and put the bobbin case in the hook.

12. Open the face plate periodically
 13. Clean the fiber deposits on the needle bar ① and needle bar bushing ② with a brush or cloth;
 14. Fix the face plate and tighten the screw
- ※ If don't clean periodically, it may cause the possibility of oil exudation or oil leakage or polluting the fabric.

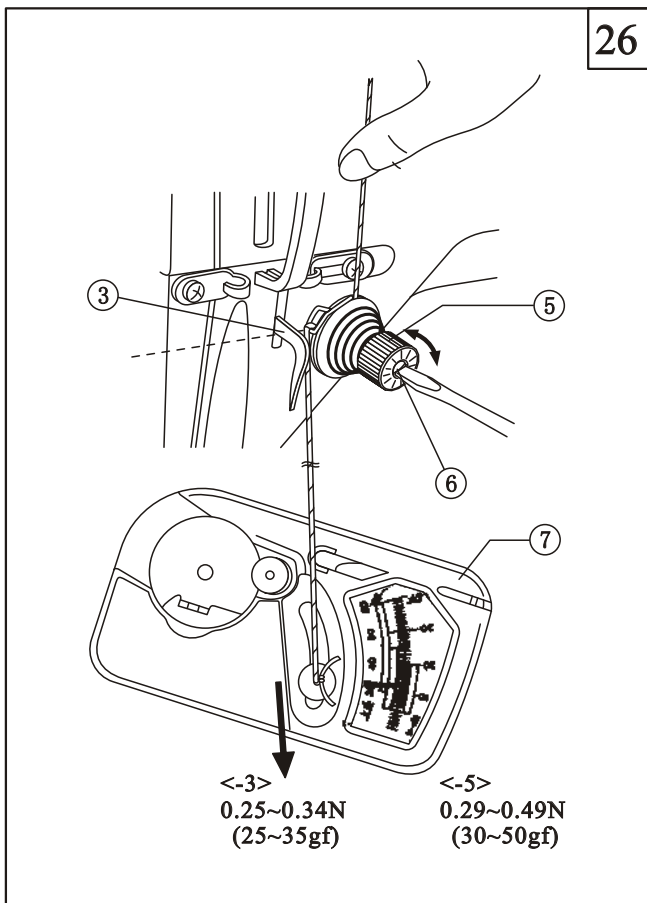




15. Clean the oil dust ⑥ with cloth
16. While the oil level is lower than the mark of LOW, please supplement the oil.
 - ※ Please use sewing oil 18#
 - ※ If the oil is dirty, uninstall the screw ⑦ and replace the fresh sewing oil, also please clean the dust on the magnet ⑧ and oil pan ⑨ .



17. Lift the machine head
18. Confirm the threading sequence of needle thread;
19. Trial sewing



9. Correct adjustment

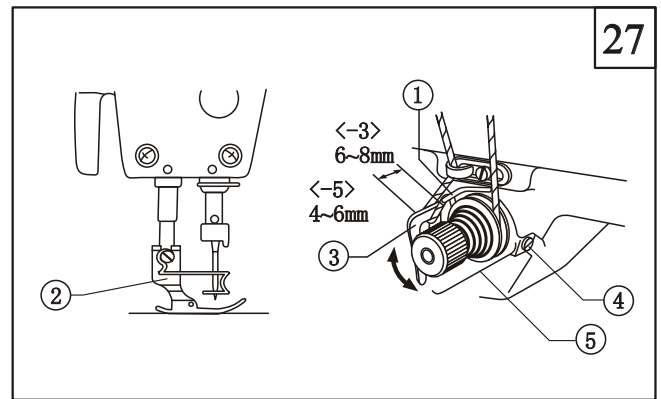
1. Adjust the thread take-up spring
 - (1) Adjust the tension of spring (Fig. 26)

The tension standard of thread take-up spring:
 model MSK-8900M is 0.245~0.343 N (25~35gf) and
 model MSK-8900H is 0.29~0.49 N (30~50gf)

 - a. Press the needle thread and tighten the nut ⑤ slightly;
 - b. Test the tension when the bottoms of spring ① and thread guide ③ are at the same height.
 - c. Turn the screw ⑥ by a screwdriver to adjust the tension of thread take-up spring ①

(2) The position of thread take-up spring (Fig. 27) lower the presser foot ②, the clearance between thread take-up spring ① and the top of thread guide ③ is 6~8 (for MSK-8900M) and 4~6mm (for MSK-8900H)

- a. Lower the presser foot ②;
- b. Loosen the screw ④;
- c. Turn the thread tension base ⑤ to adjust it;
- d. Tighten the screw ④.

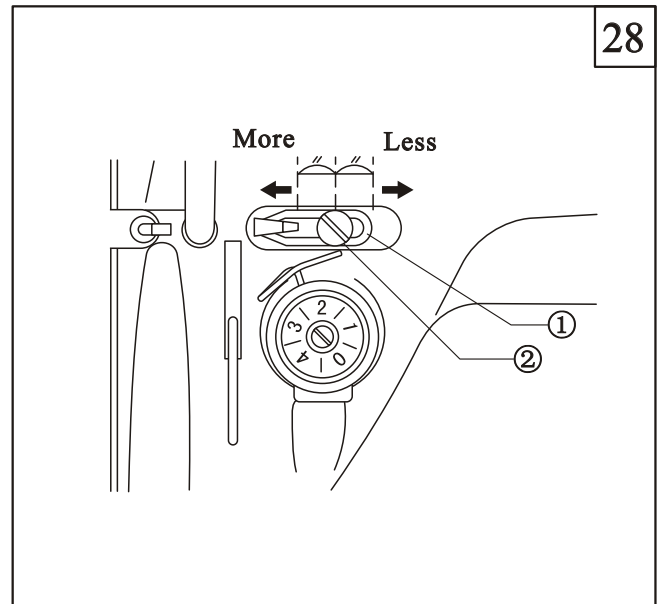


2. Adjust the casting thread guide (Fig. 28)

The proper position of casting thread guide ① is that the screw ② locates at the center of adjusting range of thread guide ①

※ When adjustment, Loosen the screw ② and move the thread guide ①

1. For sewing heavy weight materials, please move the thread guide ① leftward;
2. For sewing light weight materials, please move the thread guide ① rightward;



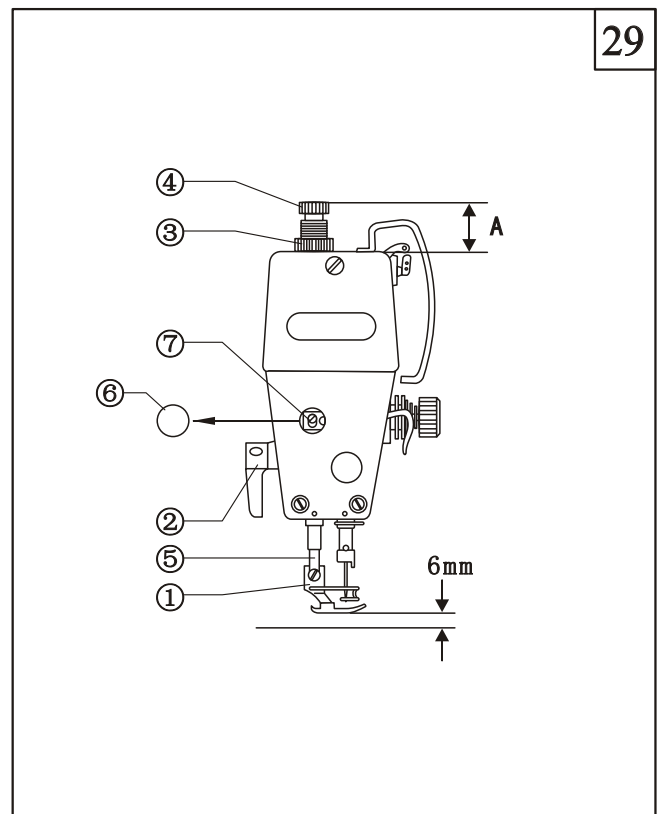
3. Adjust the height of presser foot

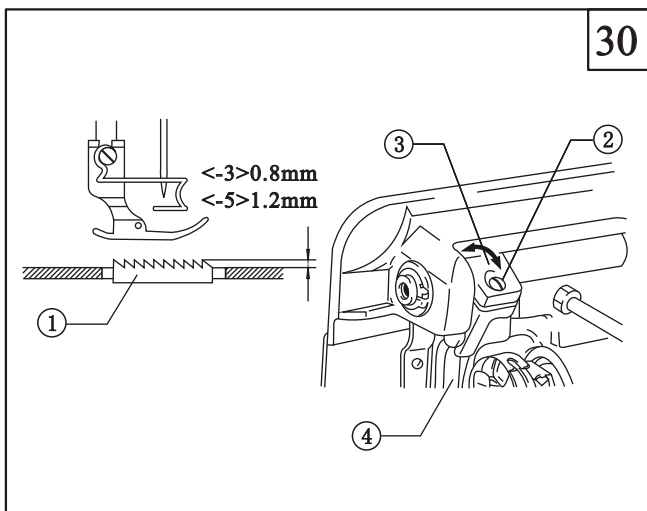
Lift the presser foot ① by presser foot lifting bar ②, the standard height of presser foot is 6mm

- (1) Loosen the nut ③ and screw ④

Note: The height (A) of screw ④ cannot exceed 49mm, otherwise the presser spring and spring rod will be out.

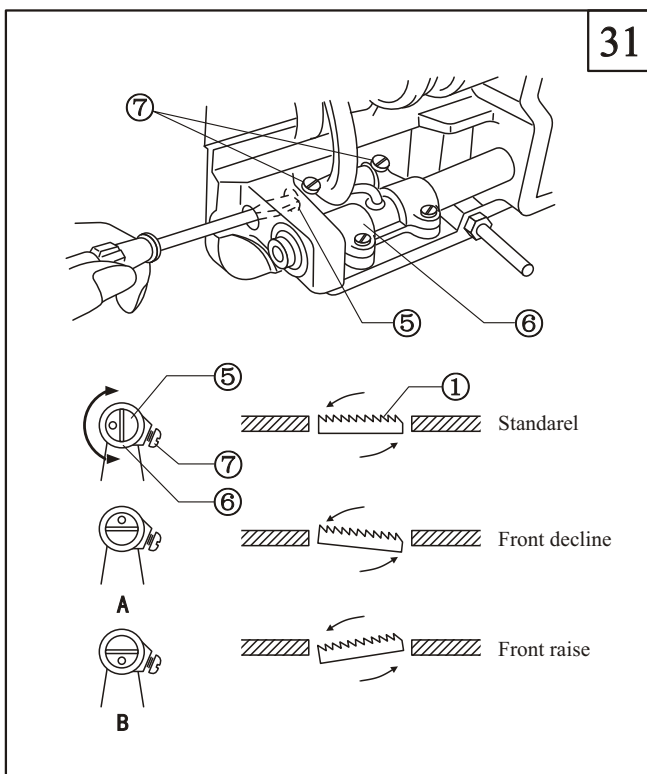
- (2) Lift the presser foot ① by presser foot lifting bar ②;
- (3) Pull out the rubber plug ⑥;
- (4) Loosen the screw ⑦ and move the presser bar ⑤ upward or downward to make the height of presser foot ① 6mm
- (5) Tighten the screw ⑦;
- (6) Inset the rubber plug;
- (7) Adjust the pressere of presser foot with screw ④, then tighten the nut ③.





4. Adjust the height of feed dog (Fig. 30)
The highest height of feed dog ① against needle plate is 0.8mm. (For MSK-8900M) or 1.2 mm (for MSK-8900H)

- (1) Turn the hand wheel to lift the feed dog to its highest position;
- (2) Loosen the screw ②;
- (3) Turn the crank ③ and adjust the feed dog supporter ④;
- (4) Tighten the screw ②.



5. Adjust the angle of feed dog (Fig. 31)
While the feed dog ① is at its highest position, the standard angle is that the mark on the shaft ⑤ inosculates the ones on the feed dog supporter ⑥

(1) Turn the hand wheel to lift the feed dog to its highest position;

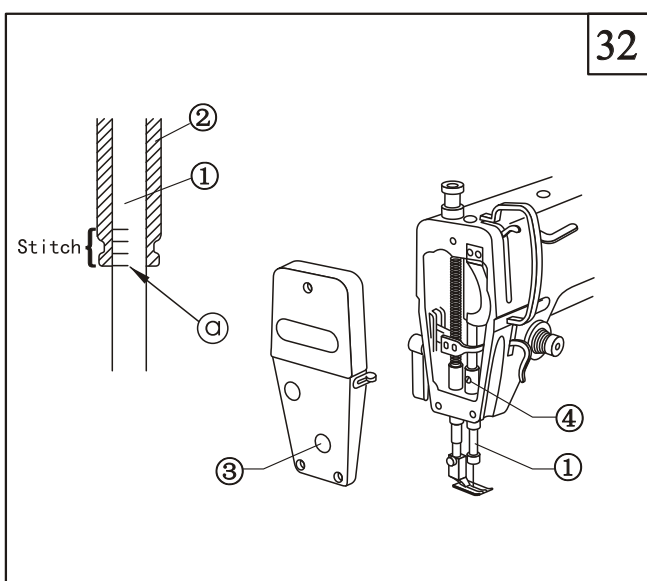
(2) Loosen the screw ⑦;

(3) Loosen the shaft ⑤ and adjust it within the range of 90° shown in the Fig.31 upon the standard position

- If the materials puckering, adjust the feed dog ① as Fig A shown;
- If the materials slippery, adjust the feed dog ① as Fig B shown;

(4) Tighten the screw ⑦.

※ After adjustment, the height of feed dog will change, so please adjust the height of feed dog again.



6. Adjust the height of needle bar (Fig. 32)
When the needle bar ① is at its lowest position, the second mark@a on the needle bar ① should align with the bottom of needle bar bushing ②

- (1) Locate the needle bar ① at its lowest position
- (2) Pull out the rubber plug ③
- (3) Loosen the screw ④ and adjust the needle bar ① upward or down ward
- (4) Tighten the screw ④
- (5) Inset the rubber plug ③

7. Adjust the position between needle bar and feed dog (Fig.33)

When the feed dog ① moves down to the position which is same with the surface of needle plate from its highest position, the standard position of needle should be as follows:

● For light and medium weight materials

The surface of feed dog ② and needle plate ① should be same and the pinpoint of needle is 1mm lower than the needle plate

● For heavy weight materials

The surface of feed dog ② and needle plate ① should be same and there is a clearance of 3mm between the pinpoint and needle plate

(1) Uninstall the back cover;

(2) Loosen the screw ④ on the cam ③ and screw ⑥ on the feed cam ⑤, slightly turn and adjust the cam ③ and feed cam ⑤ (these two cams are connect-ed by pin and should turn alternative side)

● If the timing of needle is fast, turn as shown in the Fig.Ⓐ; if the timing of needle is slow, turn as shown in the Fig.Ⓑ

● For avoiding materials misplacing, please make the timing of needle slowly (Fig.Ⓑ)

● For avoiding stitch puckering, please make the timing of needle fast (Fig.Ⓐ)

Notice: If turn the cam ③ and feed cam ⑤ overlap-ge as Fig.Ⓐ Shown , it will make needle broken

(3) After adjustment, tighten the screw ④ and ⑥

8. Adjust the position between needle and hook (Fig.34)

Lift the needle bar ① from its lowest position , while the lowest mark on the needle bar aligns with the bottom of needle bar bushing ② , the tip of hook ③ should aim at the center of needle ④ .

(1) Turn the hand wheel and lift the needle bar ① to make the markⓑalign with the bottom of needle bar bushing ②

※ When the needle is lifted 1.8mm (for MSK-8900M) or 2.2mm (for MSK-8900H), the clearance between the hole of needle and the tip of hook should be 0~0.5mm

(2) Loosen the screw ⑤ and make the tip of hook ③ aim at the center of needle ④ .

※ the lateral clearance between the tip of hook ③ and needle ④ . should be 0.05mm

(3) tighten the screw ⑤

9. Adjust the oil amount of upper shaft and hook (Fig.35)

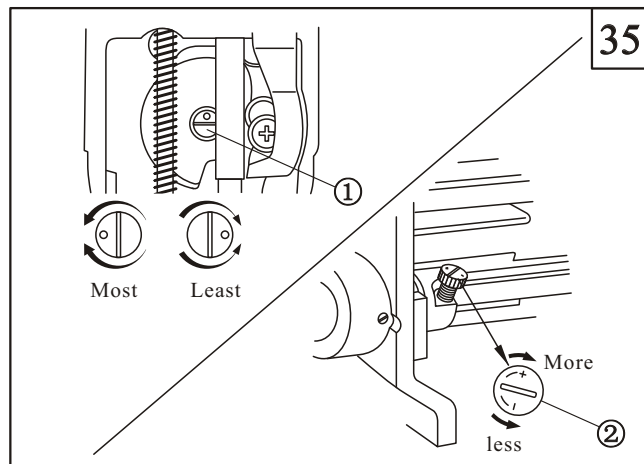
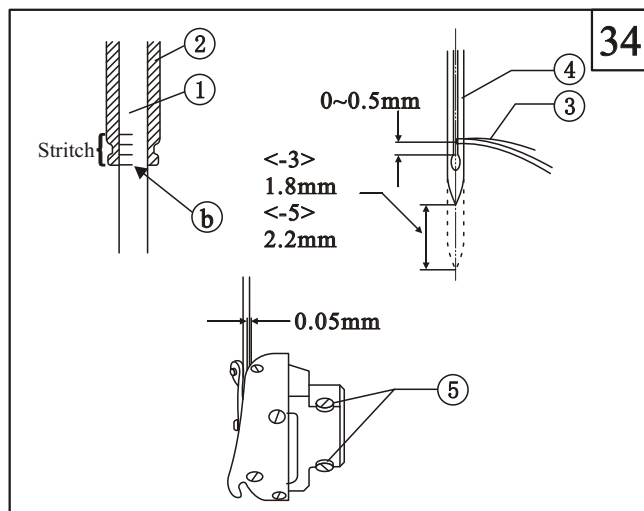
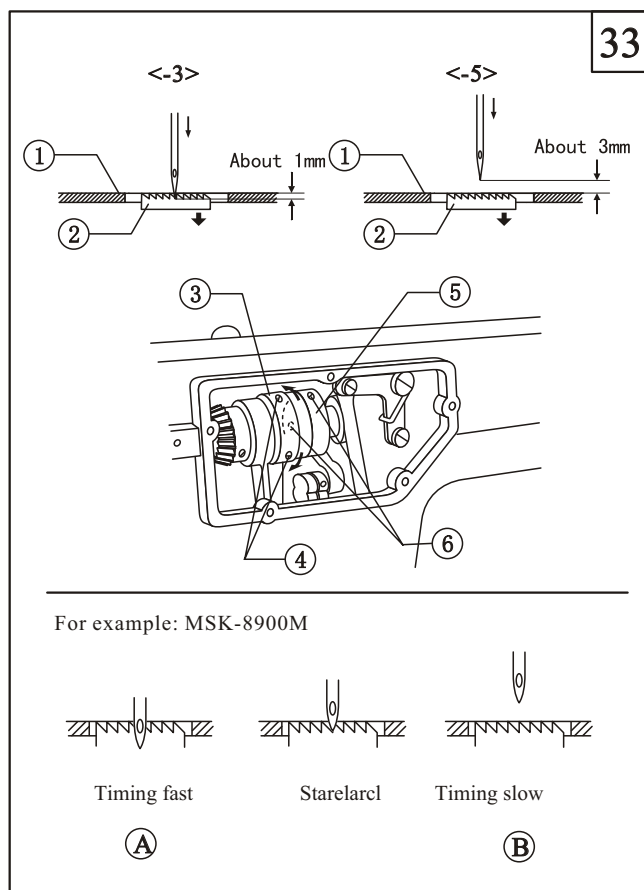
(1) Upper shaft

Uninstall the face plate, turn the screw ① to adjust the oil amount of upper shaft

(2) Hook

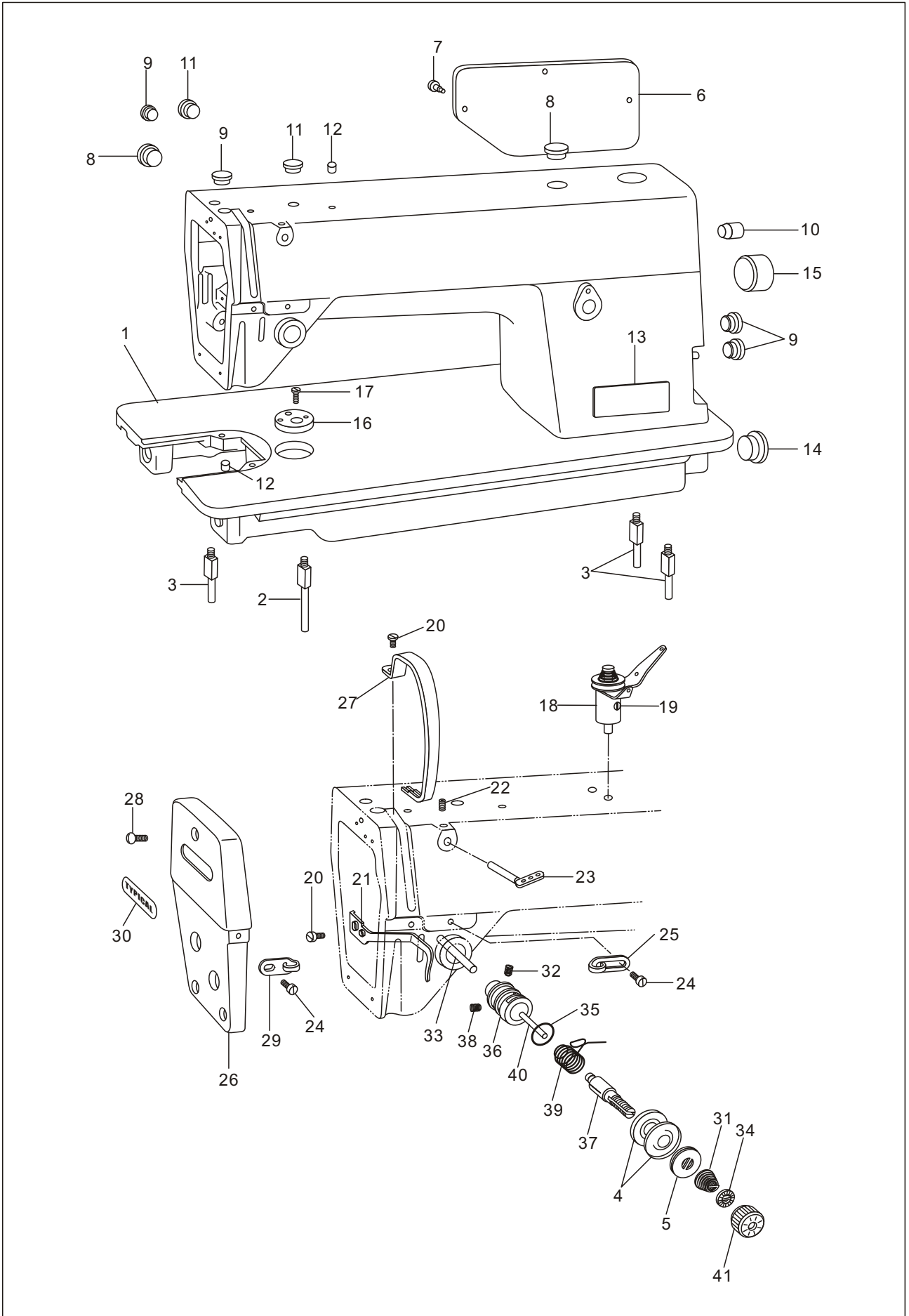
Lay down the machine head, turn the screw ② to adjust the oil amount of hook.

※ After adjustment, let the machine be run for 2~3 mim. and confirm the oil amount again



PARTS MANUAL

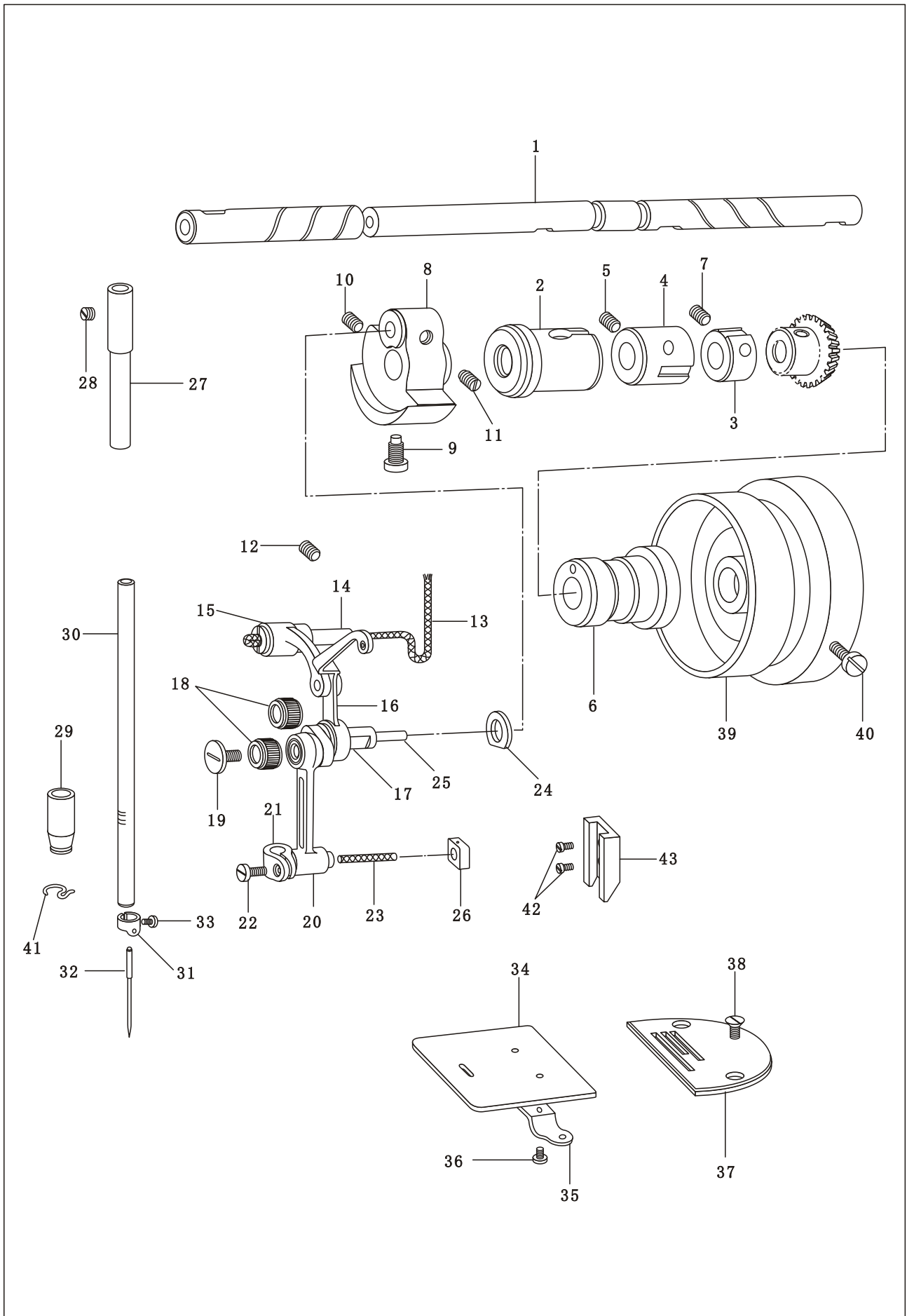
1. Machine casting components



1. Machine casting components

No .	Parts No .	Name of parts	Qty.	Remarks
1	17WF1-001	Machine casting	1	
	17WF1-002	Machine bed	1	
2	17WF1-003	Supporting rod (long)	1	
3	17WF1-004	Supporting rod (short)	3	
4	17WF1-026E	Thread tension disc	2	
5	17WF1-026F	Thread tension releasing disc	1	
6	17WF1-007	Back cover	1	
7	22T1-006	Screw	5	
8	17WF1-009	Rubber plug	2	
9	17WF1-010	Rubber plug	4	
10	17WF1-011	Rubber plug	1	SM11/64"×40×9
11	17WF1-012	Rubber plug	2	Φ15.5
12	17WF1-013	Rubber plug	2	Φ8
13	17WF1-029	Model label	1	Φ10.7
14	22T1-003C3	Rubber plug	1	Φ10.5
15	17WF1-014	Rubber plug	1	Φ4.2
16	17WF1-034	Tools base	1	
17	36T5-008E5	Screw	2	Φ20
18	17WF1-033	Upper thread guide	1	Φ23.9
19	17WF1-033A	Screw	1	
20	17WF1-020	Screw	2	SM11/64"×40×5.5
21	17WF1-021	Thread guide	1	
22	21WF1-060	Screw	1	SM11/64"×40
23	22T1-010	Thread guide	1	SM11/64"×40×7
24	17WF1-018	Screw	2	
25	17WF1-022	Thread guide	1	SM11/64"×40×5.5
26	17WF1-015	Face plate	1	
27	17WF1-019	Cover for thread take-up lever	1	SM9/64"×40×6
28	21WF4-005	Screw	3	
29	17WF1-017	Thread guide	1	
30	17WF1-032	Brand label	1	
31	17WF1-026G	Tension spring	1	SM11/64"×40×10
	17WF1-026G-5	Tension spring	1	
32	17WF1-025	Screw	1	
33	17WF1-023	Thread opening pin	1	
34	17WF1-026H	Stop disc	1	(For MSK-8900H)
35	17WF1-026J	O-ring	1	SM11/64"×40×11
36	17WF1-026A	Thread tension bracket assembly	1	
37	17WF1-026B	Thread tension shaft	1	
38	17WF1-026C	Screw	1	
39	17WF1-026D	Thread take-up spring	1	
40	17WF1-024	Thread releasing pin	1	
41	17WF1-026I	Thread tension nut	1	SM11/64"×40×4

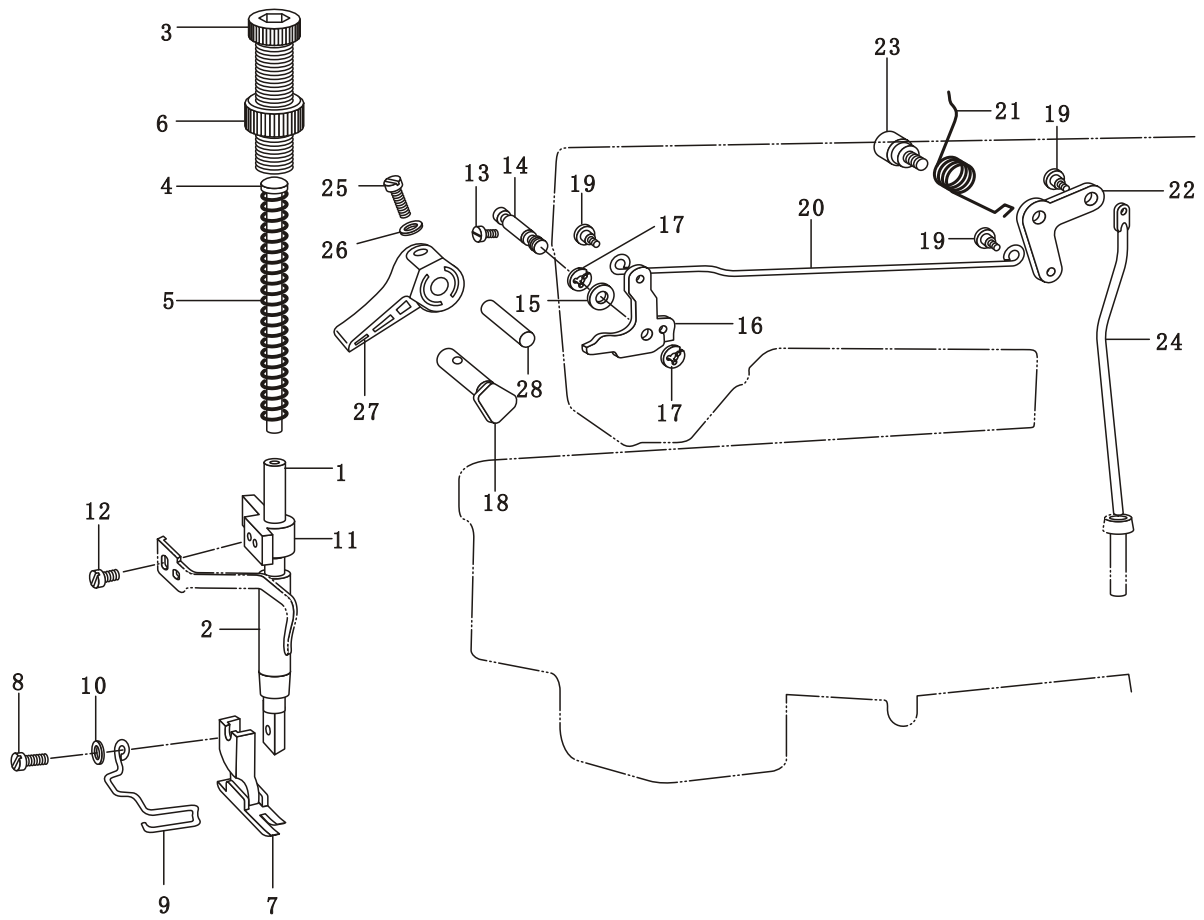
2. Needle, thread take-up components



2.Needle, thread take-up components

No .	Parts No .	Name of parts	Qty.	Remarks
1	17WF2-001	Upper shaft	1	
2	17WF2-005	Upper shaft bushing(left)	1	
3	17WF2-008	Collar	1	
4	17WF2-006	Upper shaft bushing (middle)	1	
5	1WF4-016	Screw	1	SM15/64"×28×6
6	17WF2-017	Upper shaft bushing(rear)	1	
7	21WF1-008	Screw	1	SM1/4"×40×6.5
8	17WF2-026A	Needle bar crank	1	
	17WF2-026A-5	Needle bar crank	1	(for MSK-8900H)
9	17WF2-026B	Screw	1	SM9/32"×28
10	21WF1-022	Screw	1	SM1/4"×40×10
11	21WF1-008	Screw	1	SM1/4"×40×6.5
12	17WF2-028	Screw	1	SM1/4"×28×10
13		Oil wick	1	L=150mm
14	17WF2-027A	Hinge shaft	1	
15	17WF2-027B	Thread take-up link	1	
	17WF2-027B-5	Thread take-up link	1	(For MSK-8900H)
16	17WF2-027C	Thread take-up lever assembly	1	
	17WF2-027C-5	Thread take-up lever assembly	1	(For MSK-8900H)
17	17WF2-027D	Thread take-up crank	1	
	17WF2-027D-5	Thread take-up crank	1	(For MSK-8900H)
18		Needle bearing	2	
19	17WF2-027F	Screw	1	
20	17WF2-027G	Needle bar link	1	SM9/64"X40X3.8(Left-twist)
	17WF2-027G-5	Needle bar link	1	(For MSK-8900H)
21	17WF2-027H	Needle bar connector	1	
22	17WF2-027I	Screw	1	SM9/64"×40×6.5
23		Oil wick	1	L=27mm
24	17WF2-029	Washer	1	
25	17WF2-027E	Oil felt	1	
26	33T1-013	Slide block	1	
27	17WF2-030	Needle bar bushing(upper)	1	
28	17WF2-031	Screw	1	SM15/64"×28×4
29	17WF2-032	Needle bar bushing(lower)	1	
	17WF2-032-5	Needle bar bushing(lower)	1	(For MSK-8900H)
30	17WF2-034	Needle bar	1	
31	22T2-015	Needle bar thread ring	1	
32	17WF2-036	Needle	1	DB×1(M)14#(H)22#
33	17WF2-037	Screw	1	SM1/8"×40×4.5
34	17WF1-028C	Slide plate	1	
35	17WF1-028A	Slide plate spring	1	
36	17WF1-028B	Screw	2	SM3/32"×56×2.1
37	17WF1-027	Needle plate	1	
	17WF1-027-5	Needle plate	1	(For MSK-8900H)
38	21WF4-066	Screw	2	SM11/64"×40
39	17WF2-019	Hand wheel	1	
40	22T3-007C2	Screw	2	SM15/64"×28×14
41	17WF2-033	Needle bar thread guide	1	
42	22T2-019	Screw	2	SM11/64"×40×8
43	17WF2-038	Block guide	1	

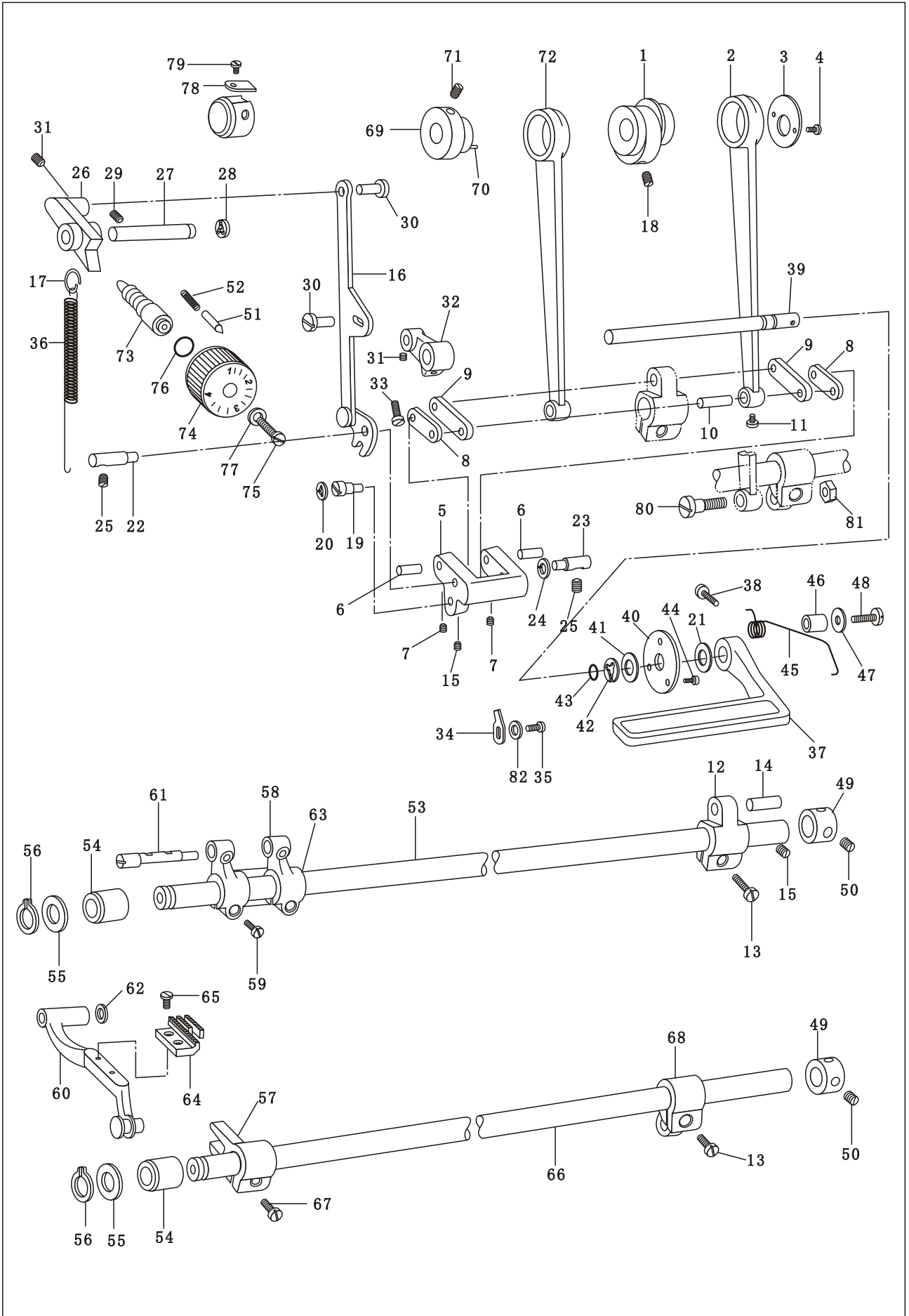
3.Presser foot components



3.Presser foot components

No .	Parts No .	Name of parts	Qty.	Remarks
1	17WF5-001	Presser bar	1	
2	17WF5-002	Presser bar bushing	1	
3	21WF5-009	Screw	1	
4	17WF5-003	Presser spring rod	1	
5	17WF5-004	Presser spring	1	
6	21WF5-010	Nut	1	
7	17WF5-005	Presser foot	1	
	17WF5-005-5	Presser foot	1	(For MSK-8900H)
8	17WF5-006	Screw	1	SM9/64"×40×10
9	17WF5-024	Finger guard	1	
10	17WF5-025	Washer	1	
11	17WF5-022	Presser bar guide	1	
12	21WF5-006	Stud	1	
13	17WF5-011	Screw	1	SM9/64"×40×6
14	17WF5-009	Pin	1	
15	17WF5-008	Washer	1	
16	17WF5-007	Knee lifting plate(left)	1	
17	17WF5-012	Washer	2	GB896-86-4
18	17WF5-020	Presser bar lifting cam	1	
19	17WF5-014	Screw	3	SM3/16"×28×2.5
20	17WF5-013	Knee lifting lever	1	
21	17WF5-017	Reset spring	1	
22	17WF5-015	Knee lifting plate(right)	1	
23	17WF5-016	Screw	1	SM1/4"×28×7
24	17WF5-018	Knee lifting rod	1	
25	21WF5-013	Screw	1	M3.5×0.6×12
26	17WF5-019	Washer	1	
27	21WF5-011	Presser foot lifting bar	1	
28	17WF5-023	Pin	1	

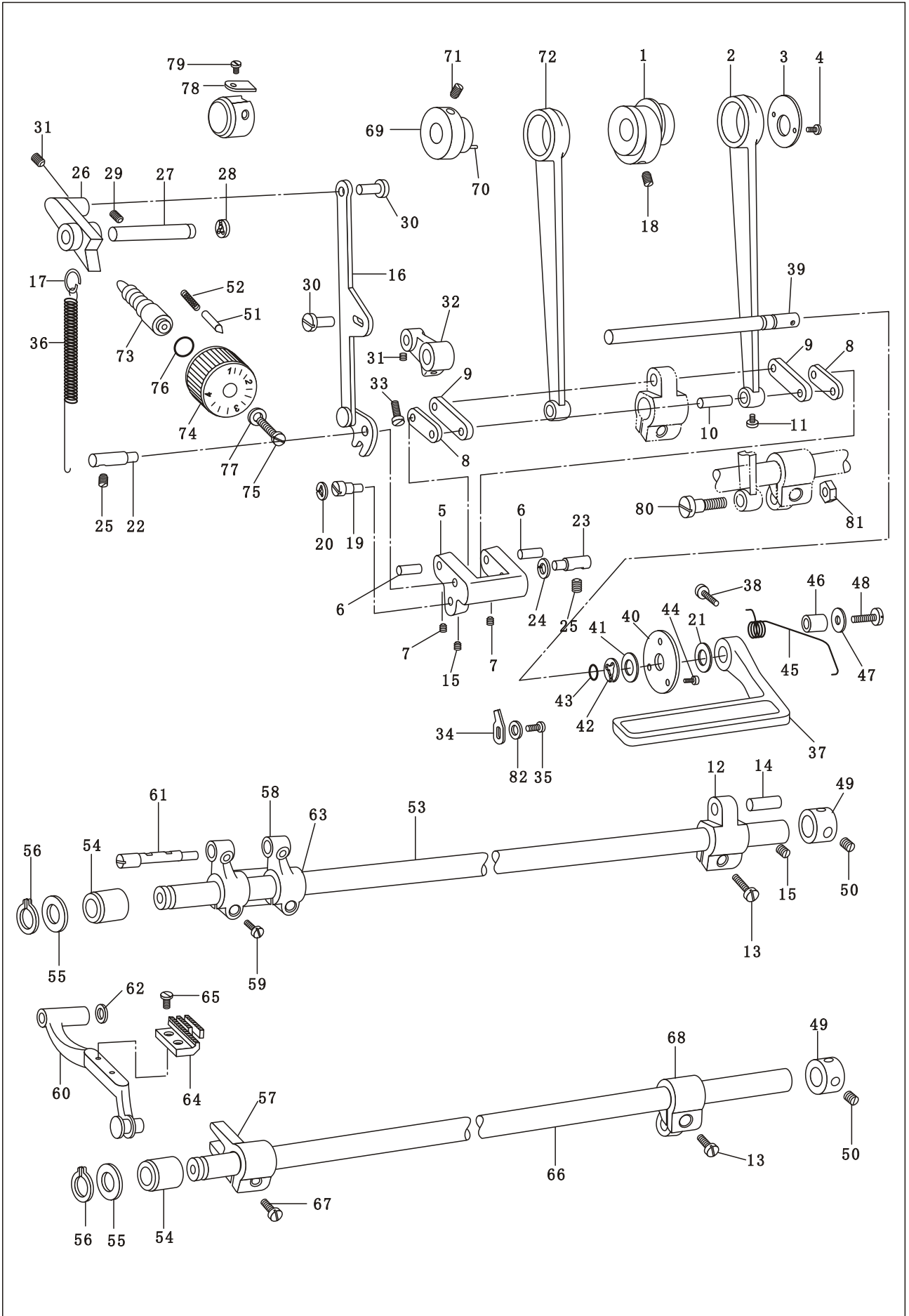
4.Feed components



4.Feed components

No .	Parts No .	Name of parts	Qty.	Remarks
1	17WF2-013	Feed cam	1	(For MSK-8900H)
	17WF2-013-5	Feed cam	1	
2	17WF2-014	Feed link	1	
3	17WF2-015	Feed link retainer	1	
4	21WF1-037	Screw	2	SM9/64"×40
5	17WF4-001A	Stitch length regulating crank	1	
6	17WF4-001B	Pin	2	
7	21WF1-060	Screw	2	SM11/64"×40×5.5
8	17WF4-002	Crank link(short)	2	
9	17WF4-003	Crank link(long)	2	
10	17WF4-004	Pin	1	
11	17WF4-005	Screw	1	SM9/64"×40
12	17WF3-016	Feed crank	1	
13	17WF3-017	Screw	2	SM3/16"×32×12
14	17WF3-018	Feed crank pin	1	
15	21WF1-060	Screw	2	SM11/64"×40×5.5
16	17WF4-006	Link	1	
17	17WF4-007	Ring	1	
18	17WF2-013A	Screw	1	SM15/64"×28×14
19	17WF4-008	Eccentric pin	1	
20	17WF4-009	Stop ring	1	
21	17WF4-029	Washer	1	
22	17WF4-010		1	
23	17WF4-011	Stitch length regulating crank shaft (long)	1	
24	17WF4-012	Stitch length regulating crank shaft (short) Washer	1	
25	21WF3-010	Screw	2	SM15/64"×28×6
26	17WF4-013	Stitch length regulator	1	
27	17WF4-014	Hinge shaft	1	
28	17WF4-015	Stop ring	1	GB896-86-7
29	17WF4-016	Screw	1	SM15/64"×28×10
30	17WF4-017	Pin	2	
31	21WF5-018	Screw	2	SM11/64"×40×4
32	17WF4-018	Stitch length regulating link crank	1	
33	21WF6-011	Screw	1	SM3/16"×32×14
34	17WF4-033	Positioning plate	1	
35	21WF4-047	Screw	1	SM11/64"×40×8
36	17WF4-019	Spring	1	
37	17WF4-020	Feed lever	1	
38	17WF4-021	Screw	1	SM3/16"×32×14
39	17WF4-024	Feed lever shaft	1	
40	21WF3-040	Stop disc	1	
41	17WF4-026	Washer	1	
42	17WF4-027	Stop ring	1	GB896-86-8
43	17WF4-028	O-seal	1	
44	21WF3-041	Screw	3	SM9/64"×40×7
45	17WF4-030	Reset spring	1	

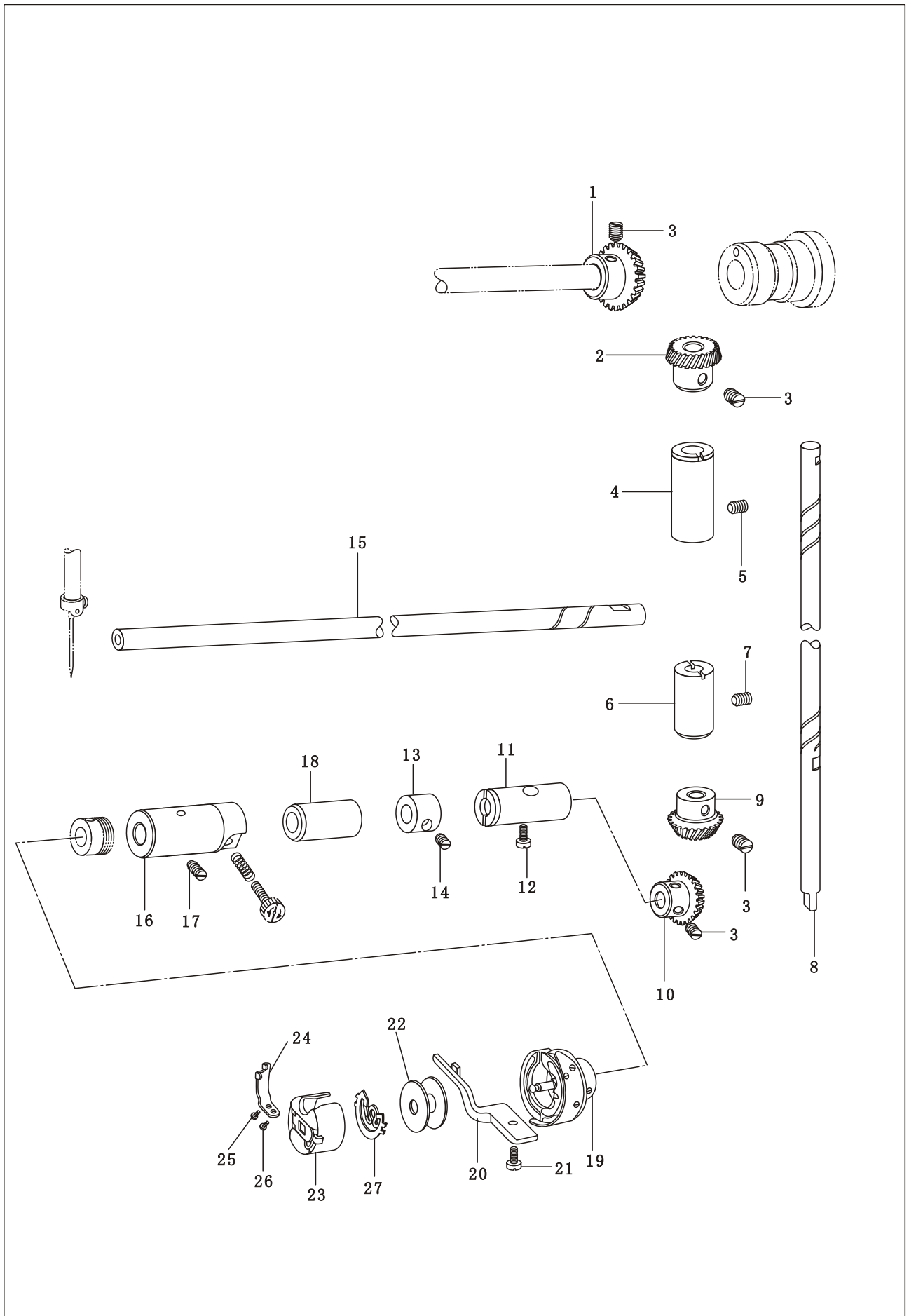
4.Feed components



4.Feed components

No .	Parts No .	Name of parts	Qty.	Remarks
46	17WF4-031	Reset bushing	1	
47	17WF4-032	Washer	1	
48	21WF1-041	Screw	1	SM1/4"×28×25
49	22T3-002B1	Collar	2	
50	21WF1-009	Screw	4	SM1/4"×40×6
51	17WF4-035	Pin	1	
52	17WF4-036	Spring	1	
53	17WF3-010	Feed shaft	1	
54	17WF3-011	Feed shaft bushing	2	
55	17WF3-012	Washer	2	
56	17WF3-013	Stop ring	2	GB894.1-86-15
57	17WF3-021A	Feed dog lifting fork	1	
58	17WF3-006	Feed dog supporter crank	1	
59	21WF3-006	Screw	2	SM11/64"×40×12
60	17WF3-003	Feed dog supporter assembly	1	
61	17WF3-005	Eccentric shaft	1	
62	17WF3-004	Washer	1	
63	17WF3-008	Screw	2	SM11/64"×40×8
64	17WF3-001	Feed dog	1	
	17WF3-001-5	Feed dog	1	(For MSK-8900H)
65	17WF2-002	Screw	2	SM1/8"×44×6
66	17WF3-020	Feed dog lifting shaft	1	
67	17WF3-021B	Screw	1	SM11/64"×40×14
68	17WF3-024	Feed dog lifting crank	1	
69	17WF2-011	Feed dog lifting cam	1	
	17WF2-011-5	Feed dog lifting cam	1	(For MSK-8900H)
70	17WF2-011B	Spring pin	1	GB879-86 2×6
71	17WF2-011A	Screw	1	SM15/64"×28×8
72	17WF2-012	Feed dog lifting link	1	
73	17WF4-025A	Screw bar	1	
74	17WF4-025B	Stitch dial	1	
	17WF4-025B-5	Stitch dial	1	(For MSK-8900H)
75	17WF4-025C	Screw	1	SM3/16"×28×20
76	17WF4-025D	O-seal	1	
77	17WF4-025E	Washer	1	
78	17WF2-009	Stop plate	1	
79	17WF2-010	Screw	1	SM9/64"×40×4
80	17WF3-025	Screw	1	SM9/32"×28
81	21WF3-026	Nut	1	SM9/32"×28
82	22T1-007	Washer	1	

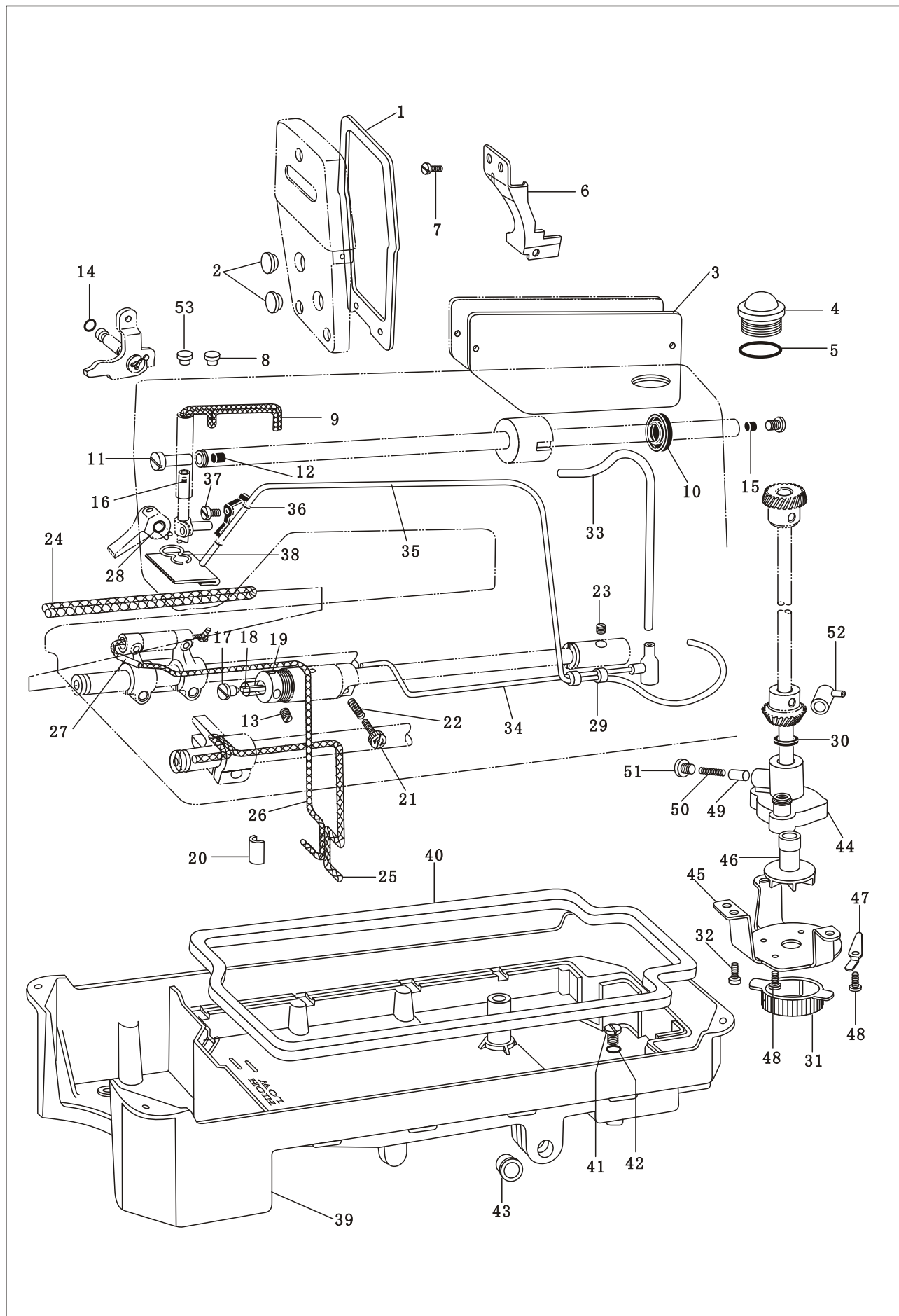
5. Rotary hook components



5. Rotary hook components

No .	Parts No .	Name of parts	Qty.	Remarks
1	17WF2-016	Upper shaft bevel gear	1	
2	17WF2-020	Vertical shaft bevel gear(upper)	1	
3	21WF1-008	Screw	8	SM1/4"×40×6.5
4	17WF2-023	Vertical shaft bushing(upper)	1	
5	1WF4-016	Screw	1	SM15/64"×28×6
6	17WF2-024	Vertical shaft bushing(lower)	1	
7	17WF2-013A	Screw	1	SM15/64"×28×14
8	17WF2-022	Vertical shaft	1	
9	17WF2-021	Vertical shaft bevel gear(lower)	1	
10	17WF2-025	Lower shaft bevel gear	1	
11	17WF3-034	Lower shaft bushing(rear)	1	
12	17WF3-036	Screw	1	SM11/64"×40×12
13	17WF3-033	Collar	1	
14	17WF3-033A	Screw	2	SM1/4"×40×6
15	17WF3-027	Lower shaft	1	
16	17WF3-029	Lower shaft bushing(front)	1	
17	21WF1-060	Screw	1	SM11/64"×40×5.5
18	17WF3-032	Lower shaft bushing(middle)	1	
19	17WF3-022	Rotary hook	1	
	17WF3-022-5	Rotary hook	1	(For MSK-8900H)
20	17WF3-014	Hook positioning plate	1	
	17WF3-014-5	Hook positioning plate	1	(For MSK-8900H)
21	17WF3-015	Screw	1	SM11/64"×40×9
22	17WF3-007	Bobbin	1	
	17WF3-007-5	Bobbin	1	(for MSK-8900H)
23	17WF3-019	Bobbin case assembly	1	
24	17WF3-019A	Spring plate	1	
25	17WF3-019B	Screw	1	
26	17WF3-019C	Screw	1	
27	17WF3-019D	Spring	1	

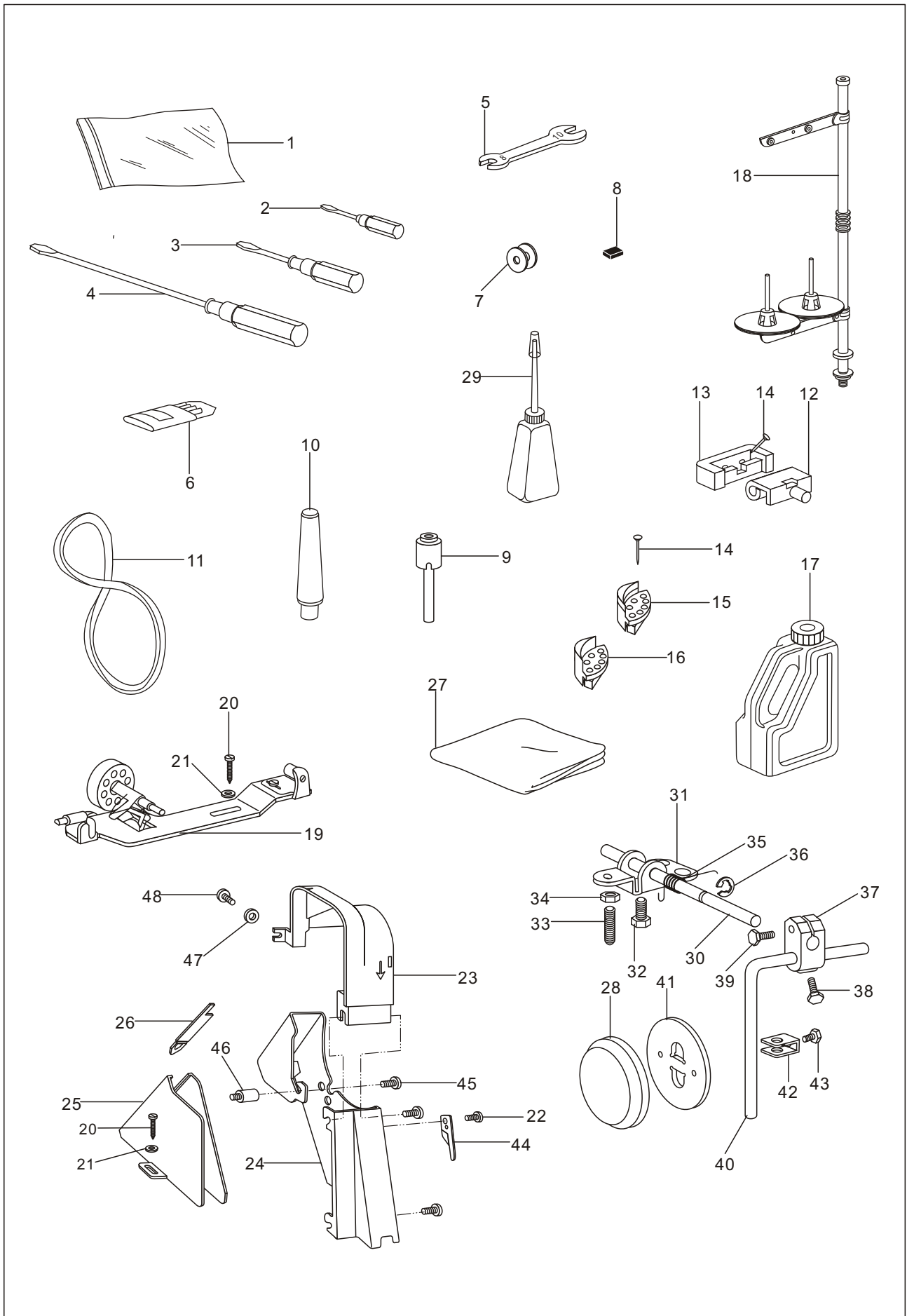
6. Lubrication components



6. Lubrication components

No .	Parts No .	Name of parts	Qty.	Remarks
1	17WF1-016	Washer	1	
2	17WF1-009	Rubber plug	2	Φ15.5
3	17WF1-008	Washer	1	
4	14WF4-005	Oil window	1	
5	14WF4-006	O-seal	1	
6	17WF6-010	Oil stopper	1	
	17WF6-010-5	Oil stopper	1	(For MSK-8900H)
7	21WF7-011	Screw	2	SM9/64"×40×6
8	22T1-017	Rubber plug	1	
9		Oil wick	1	4×4
10	17WF2-018	Oil seal	1	
11	17WF2-002	Left oil plug	1	
12	17WF2-003	Oil felt	1	
13	21WF5-018	Screw	1	SM11/64"×40×4
14	17WF5-010	O-ring	1	
15	17WF2-004	Right rubber plug	1	
16	17WF2-035	Plug	1	
17	17WF3-027A	Screw	1	SM11/64"×40
18	17WF3-027B	Oil felt	1	
19	17WF3-028A	Oil-proof ring	1	
20	17WF3-023	Oil wick clamp	1	
21	17WF3-030	Screw	1	SM11/64"×40×19
22	17WF3-031	Spring	1	
23	17WF3-035	Oil felt	1	
24		Oil wick	1	L=320mm
25		Oil wick	1	
26		Oil wick	1	L=360mm
27	17WF3-009	Oil wick pipe	1	
28	17WF5-021	O-ring	1	
29	17WF6-011	Clamp	2	
30	17WF6-002	Oil seal	1	
31	17WF6-003	Cover	1	
32	17WF1-020	Screw	3	SM11/64"×40×7
33	17WF6-004	Oil pipe	1	
34	17WF6-005	Oil supplying pipe assembly	1	
35	17WF6-006	Oil returning pipe assembly	1	
36	17WF6-007	Oil returning pipe clamp	1	
37	17WF6-008	Screw	1	SM9/64"×40×5
38	17WF6-009	Press spring	1	
39	17WF7-001	Oil pan	1	
40	17WF7-002	Oil pan pad	1	
41	22T9-001A2	Oil drainage screw	1	SM5/16"×28×9.5
42	22T9-001A3	O-ring	1	
43	21WF8-009	Bushing	2	
44	17WF6-001A	Oil pump boby	1	
45	17WF6-001B	Oil pump supporter	1	
46	17WF6-001C	Oil pump wheel	1	
47	17WF6-001D	Press plate	2	
48	21WF2-038	Screw	2	SM9/64"×40×8
49	17WF6-001E	Plunger	1	
50	17WF6-001F	Spring	1	
51	17WF6-001G	Screw	1	SM1/4"×40×5
52	17WF6-001H	Oil returning nozzle	1	
53	22T1-015	Rubber plug	1	Φ8.8

7. Accessories components



7. Accessories

No .	Parts No .	Name of parts	Qty.	Remarks
1	33TF-010	Parts bag	1	
2	33TF-014	Screwdriver(small)	1	
3	33TF-013	Screwdriver(middle)	1	
4	33TF-012	Screwdriver(big)	1	
5	22WF6-008	Wrench	1	8×10
6	17WF2-036	Needle	4	DB×1(M)14#(H)22#
7	17WF3-007	Bobbin	5	
	17WF3-007-5	Bobbin	5	(For MSK-8900H)
8	22T9-012	Magnet	1	
9	17WF7-006	Knee lifting rod	1	
10	1KT5-007	Machine head supporter	1	
11	17WF8-006	V-belt	1	
12	17WF8-010	Machine casting hinge	2	
13	17WF8-011	Machine casting hinge cushion	2	
14	33TF-004	Nail	8	
15	17WF8-013A	Vibration-proof block(double color)	2	
16	17WF8-013B	Vibration-proof pad(black)	2	
17	1F-012	Oil tank	1	
18	4F-007	Thread stand assembly	1	
19	S14420020	Thread winder assembly	1	
20		Wooden screw	4	GB5282-85-ST4.8×19
21		Washer	4	GB848-85-6
22	22T2-004	Screw	1	
23	17WF8-001	Upper belt guard	1	
24	17WF8-004	Belt guard	1	
25	17WF8-002	Lower belt guard	1	
26	17WF8-002A	Stop plate	1	
27		Machine cover	1	
28	22T9-003B8	Knee lifter plate cover	1	
29	33TF-011	Oil pot	1	
30	17WF7-003	Knee lifter shaft	1	
31	21WF8-007	Knee lifter positioning bracket	1	
32	21WF8-011	Screw	1	SM15/64"×28×10
33	17WF7-004	Adjusting screw	2	SM15/64"×28
34	22T9-001A10	Nut	2	
35	21WF8-010	Knee lifter reset spring	1	
36		Retainer	1	GB896-86-9
37	22T9-003B3	Connector	1	
38		Screw	1	GB5781-86 M6×12
39		Screw	1	GB5781-86 M6×20
40	17WF7-005D	Knee lifter plate rod	1	
41	22T9-003B5	Knee lifter plate	1	
42	22T9-003B6	Bracket	1	
43	22T9-003B7	Screw	1	SM15/64"×28×8
44	17WF8-005	Plate	1	
45	22T8-009	Screw	3	SM15/64"×28×8
46	17WF8-003	Screw bar	1	
47	22T1-007	Washer	1	SM11/64"×40×8
48	21WF4-047	Screw	1	

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