335/335BH

CYLINDER BED COMPOUND FEED LOCKSTITCH SEWING MACHINE

OPERATION INSTRUCTION / PARTS MANUAL

OPERATION INSTRUCTION

1. Bref introduction

This machine is designed with sliding lever to take up thread and horizontal hook to catch thread,which produce lockstich type, Upper and lower shaft are driven by bevel gears, lever type stitch regulator, with the features of compound feed by feed dog, needle and walking foot, high presser foot stroke and lifting height, long stitch length, cylinder bed, lower running noise, it works well whatever the surface of materials is smooth or roughness, It's easy for sewing multi-layer leather and materials.

It's widely used for sewing medium and heavy weight materials

2. Main specifications

Model	TW3-S335	TW3-S335B
Applications	Medium and heavy weight materials	
Max. Sewing speed	2500s.p.m	
Max. Stitch length	6mm	7mm
Needle bar stroke	33.2mm	
Presser foot lift height	8mm by hand 13mm by knee	
Hook	Small horizontal hook	Big horizontal hook
Needle	DP×17 16'~18'	DP×17 18"~22"
Lubrication	Oiled by hand	
Motor power	370W	
Cylinder dia.	46mm	50mm

3. Machine installation

1. Location of the machine

The machine must be located on the rigid and flat floor for ensuring its smooth operation and reducing its vibration. Meanwhile, a rubber mat should be inserted between the machine stand and the floor for further reducing the running noise.

2. Install the base and oil pan (Fig.1)

First, align the four screw holes of the machine base with the ones of table, insert the four bolts A and tighten the nuts, then put the oil pan on the machine base smoothly.

3. Install the machine head (Fig.2)

Fisrst, half of the hinge should be made to engage with the machine base, then put the machine head lightly on the machine base, move it slightly to align the three screw holes of head with the ones of hinge, insert the three screws A and tighten them

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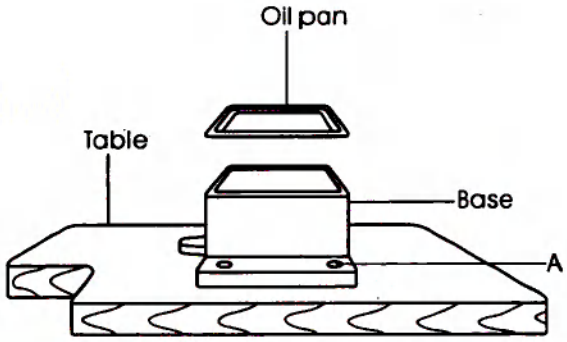

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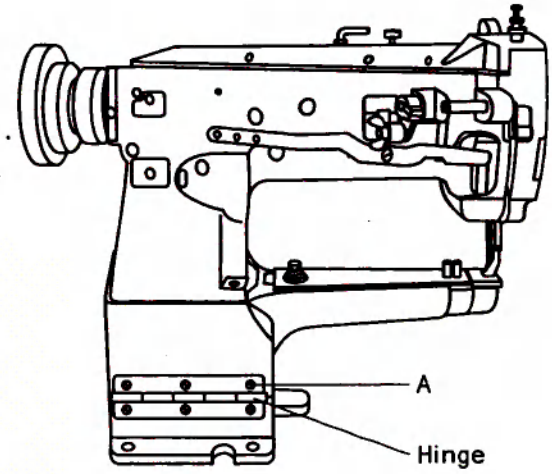
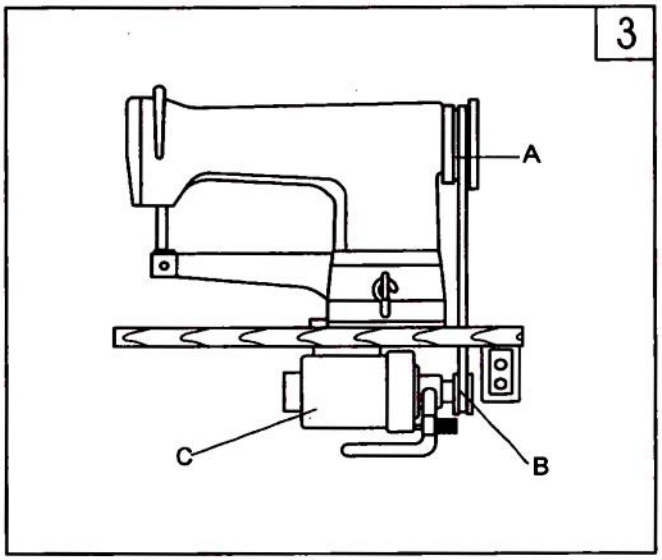
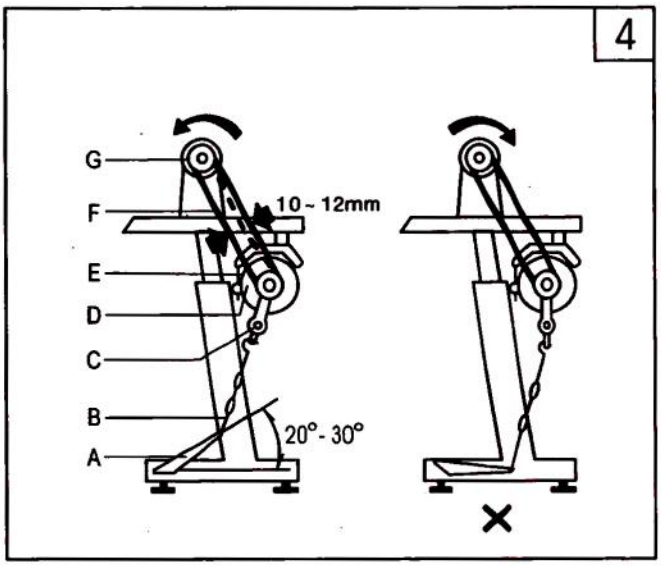




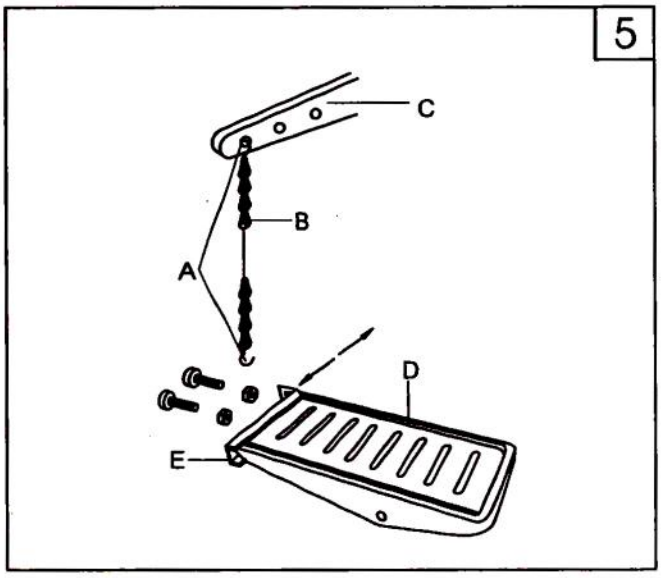
4. Installing the motor(Fig. 3)

Aligh machine hand wheel belt groove A with motor pulley belt groove B by moving motor C leftward or rightward, Be sure that the belt is not toughed with the table.



5. Connecting the pedal with clutch lever(Fig. 4)

1. The optimum tilt angle of pedal A against floor is approx.20° ~30° .
2. Adjust the clutch of motor E so that the clutch lever C and draw bar B run in line.
3. The machine hand wheel G should rotate counter-clockwise for normal sewing when view from opposite side of balance wheel. The motor D should rotate in the same direction. The rotation can be reversed by reversing the plug of motor (turn over 180°)
4. Adjust the tension of V-belt F by moving the motor up and down. The proper tension of V-belt is a slack of 10-12mm when the belt is depressed by forefinger. Release the forefinger, the belt will resume.



6. Installing the presser foot lift control plate (Fig 5)

First, the chain hook A should be connected to the presser foot lift lever C , then put the pedal assemble D on the stand ,move the control plate E leftward or rightward until the chain becomes on one line , tighten the bolts and nuts, finally, connect the chain hook to the control plate.

7. Installing the bobbin winder(Fig.6)

Align pulley B of the bobbin winder with the outside of the V-belt C, and there should be a proper clearance between them, so that pulley B can be touched with the V-belt when latch thumb lever A is depressed, thereby the V-belt can drive the pulley B while the machine running. The bobbin winder should be parallel with belt slit E of the table, finally fasten two wooden screws D.

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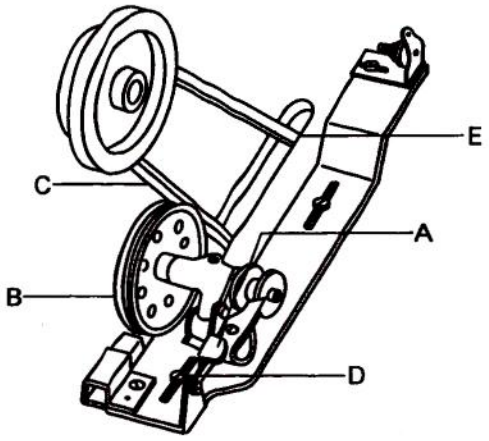

8. Installing the thread stand (Fig.7)

The thread stand should be located on the right backside of the table. Threading should be smooth when sewing. When the machine head is turned backward, it should not be touched with the thread stand, then tighten the nut C.

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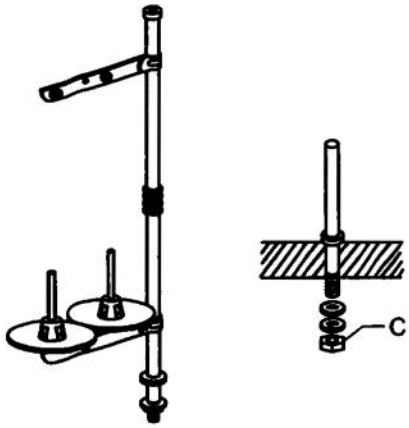

9. Operation preparation

1. Clearing the machine

Before the head is packed, all of the parts of the machine are coated with anti-rust grease, meanwhile the grease can harden and the dust can cover the machine surface during long time storage and shipment, so, the dust and grease must be cleared by clean cloth with gasoline.

2. Examination

Although every machine is conformed by strict inspection and test before delivery, the parts of the machine may be loose and deformed after long distance transportation with jolt. A thorough examination must be performed. Turn the balance wheel slightly by hand to check if there is running obstruction, parts collision, uneven resistance and abnormal noise. If any of these exist, adjustment must be made accordingly befor running.

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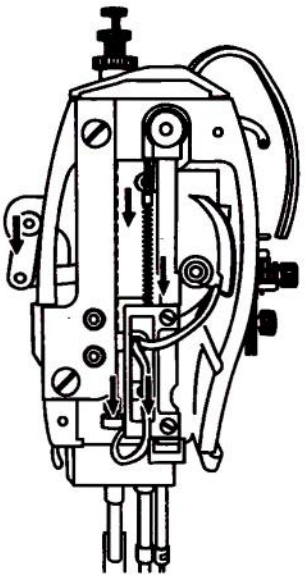

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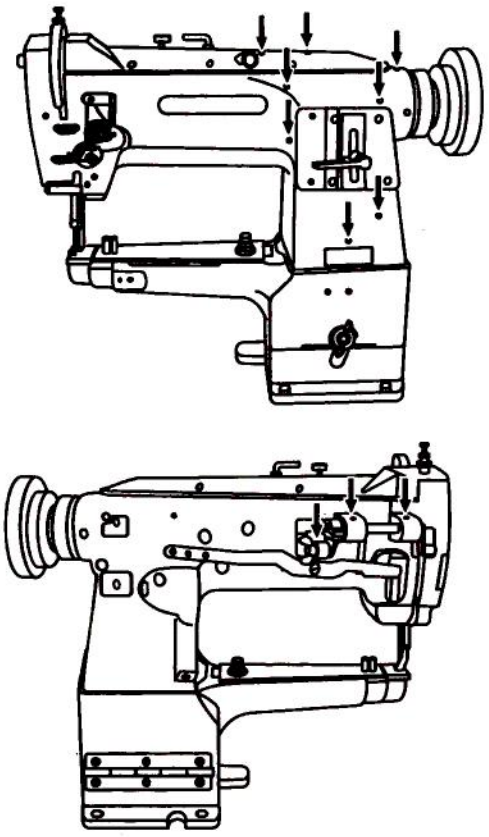

10. Lubrication (Fig. 8)

Before running, the machine must be oiled at the places by arrow shown. If the machine continues in operation, it should be oiled not less two times per shift. Please use HA-8 sewing machine oil or TJ-70 machine oil.

11. Trial runing

Trial running is required when new machine is put into use or use again after storing quite long time. Please lift the presser foot and run the machine at a low speed of 1000~1500s.p.m for 30 minutes, then increase the speed gradually.

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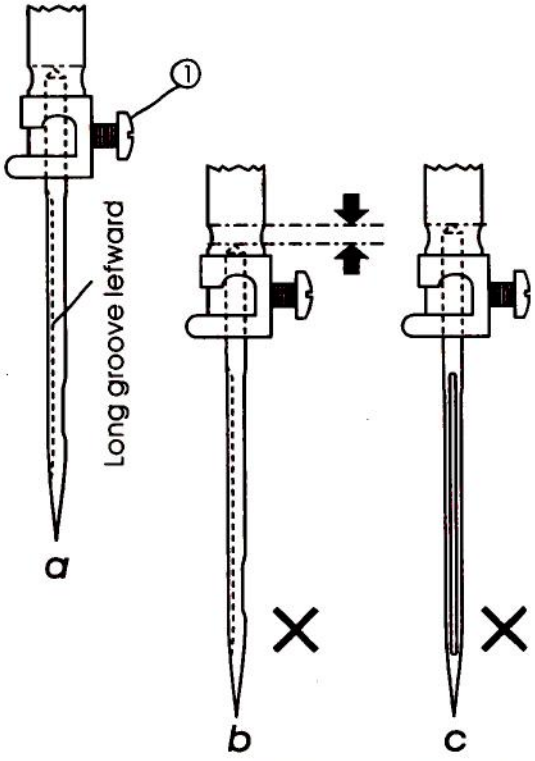

12. Installing the needle (Fig. 9)

Turn the balance wheel to lift the needle bar to its highest position, loosen the needle set screw, and 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. (Fig.9a)

Note: Insufficient insertion (Fig. b) or the needle groove facing to the operator (Fig. c) is incorrect.

13. Coordination among the needle, thread and materials

The needle thread should be left-twist, holding the thread by left hand, twist it by right hand at certain direction(shown as Fig.10), if it changes into tight, it's left-twist, contrary, it's right-twist

The needle size should depend on the materials to be sewn. If the thin needle is used for sewing heavy materials, the needle will be broken easily, and will also cause skip and thread broken. On the contrary, the materials will be destroyed for the big needle hole, so please select proper needle and thread according to the materials.

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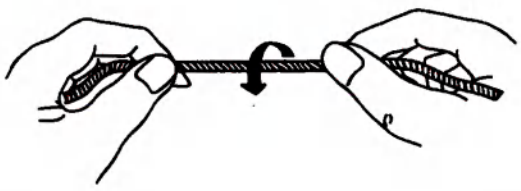

14. Threading the needle thread(Fig.11)

Turn the hand wheel to lift the needle bar to its highest position, then threading as following sequence shown in the Fig. 11 after drawing the thread from the thread stand.

Upper cover thread guide A→ three-eye thread guide B→ thread tension disc C→ spring guide disc D→ spring E→ thread guide (upper) F→ thread take-up lever G→ thread ghide (upper) F→ thread guide (middel) H → thread guide (lower) I→ needle bar thread guide J→ needle K.

When drawing the bobbin thread, hold the tip of needle thread by hand; turn the hand wheel to lower the needle bar, then lift it to its highest position, pull the needle thread and the bobbin thread will be drawn up accordingly, finally put the tip of needle thread and bobbin thread toward front under the presser foot.

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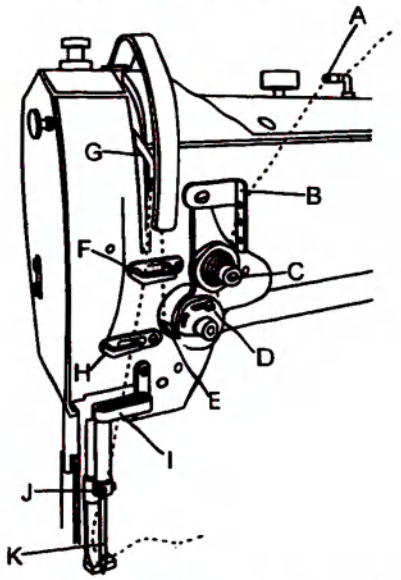

15. Adjusting the tension of bobbin thread and needle thread(Fig.12)

The tension of needle thread and bobbin thread should be suitable. The stitch form shown as ①is the best, if the tension is tight or loose, the abnormal stitch form will be caused shown as ②, ③

1. Adjust the tension of bobbin thread

The tension of bobbin thread should be adjusted according to the materials;

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

②. Take down the sliding plate, the screw A is shown as Fig. 12 (a)

③. Turn the screw A clockwise to increase the tension of bobbin thread;

④. Turn the screw A counter-clockwise to decrease the tension of bobbin thread.

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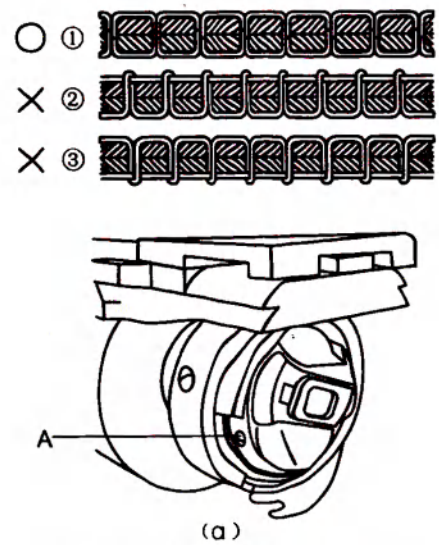
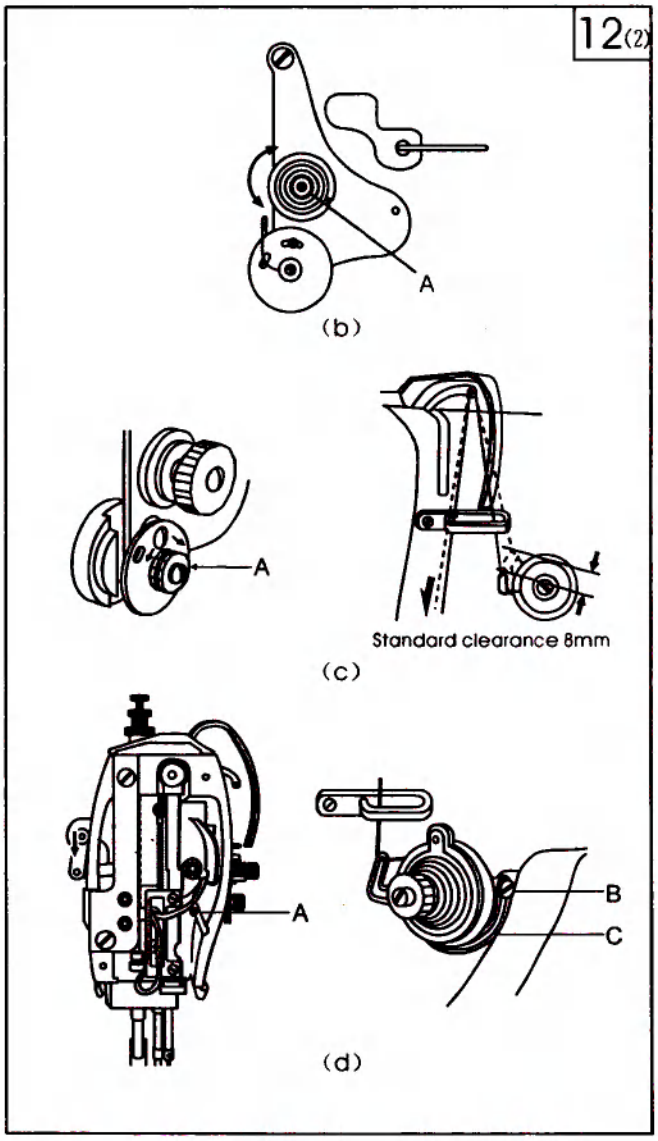




2. Adjust the tension of needle thread

(1) Adjust the pressure on the thread tension disc

Adjusting the pressure on the thread tension disc to change the tension of needle thread, as shown in the Fig. (b): turn the nut A clockwise to increase the pressure, on the contrary, to decrease the pressure

(2) Adjust the tension of thread take-up spring

Light materials	20g
Normal materials	25g
Heavy materials	30g

The method of adjustment as Fig. (c) shown

Loosen the nut A, turn the spring shaft C counter-clockwise to increase the tension, contrary, to decrease the tension .Please use a screwdriver to rotate the spring shaft to get the required tension.

(2) The swing range of the spring

The spring must be able to swing, when the thread take-up lever is at its highest position, the normal swing range of the thread tak-up spring should be:

Light materials	over 8mm
Normal materials	about 8mm
Heavy materials	less 8mm

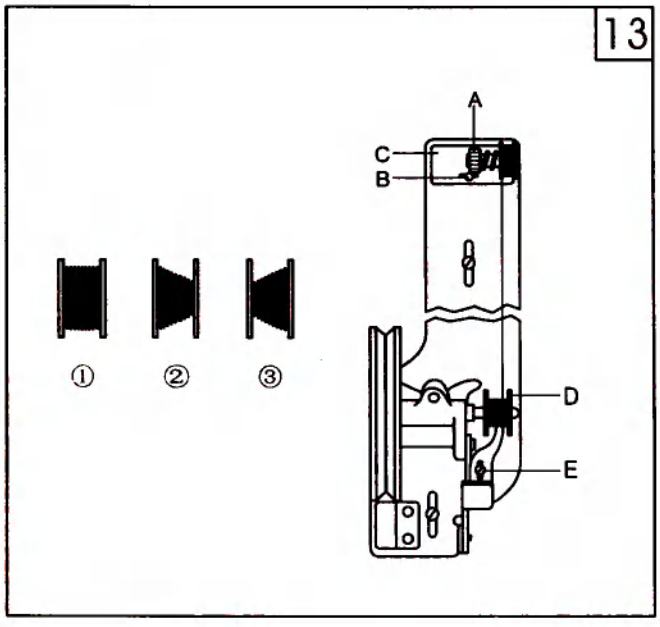
The method of adjusting swing range: (Fig. d)

① Lay down the presser foot lifter;

② Loosen the screw A;

③ Turn the disc B counter-clockwise to increase the swing range, contrary, the swing range decrease.

④ Tighten the screw B.



12. Winding the bobbin thread and adjustment(Fig. 13)

Bobbin thread should be neat and tight. If loose, please increase the tension of tension disc A; if not neat, please move the winder bracket C to adjust. When adjust, first loosen the screw B, then move the bracket C rightward if the thread is wound to one side as Fig ② shown; or move the bracket C leftward if the thread is wound to one side as Fig ③ shown until the thread is wound neatly as Fig. ① shown, finally fix the bracket.

Note: Nylon or polyester thread should be wound under light tension in particular; otherwise bobbin D might be broken or deformed. Please don't overfill the bobbin thread; otherwise the thread will loosen down from the bobbin. The optimum capacity of thread is filled about 80% of bobbin outside diameter and this can be adjusted by screw E.

17. Stitch length, forward and backward feed (Fig .14)

Turn the stitch length regulating nut to adjust the stitch length. When the graduation on the stitch length regulating block aligns with the number on the stitch length graduation plate, the number is the stitch length in mm. The reverse feed is obtained if lift the feed lever, release the lever, the machine recovers normal feed again.

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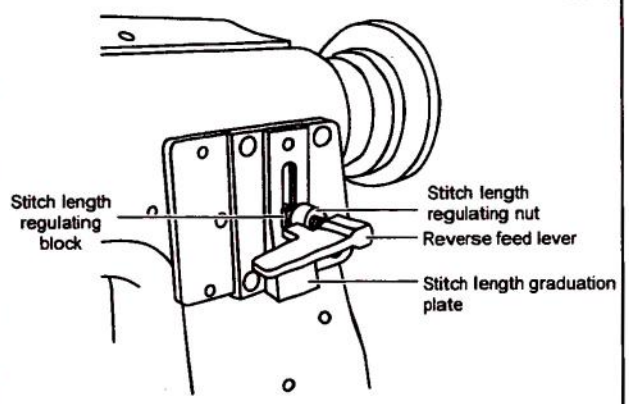

18. Adjusting the pressure of presser foot (Fig.15)

Adjust the pressure of presser foot according to the materials, please increase the pressure when sewing heavy weight materials. Adjusting as shown in the Fig 15, first loosen the nut A , then turn the screw B clockwise to increase the pressure, on the contrary, to decrease the pressure, after the proper pressure is obtained, tighten the nut A. Turn the small screw C, the pressure can be fine adjusted.

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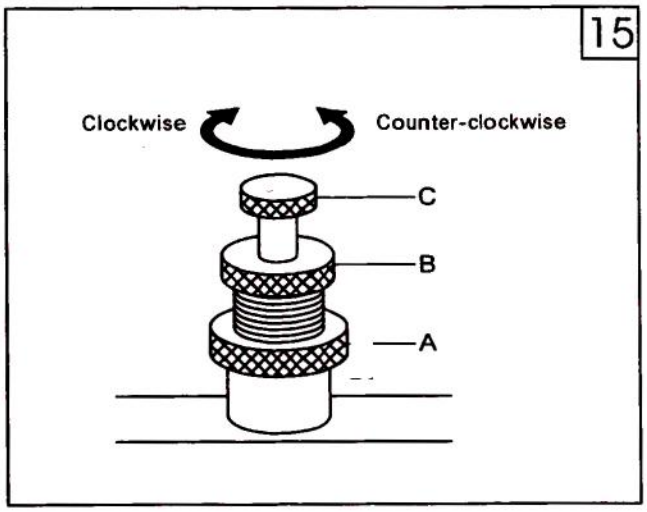

19. Adjusting the lifting amount of presser foot (Fig.16)

The method of adjusting the lifing amount of presser foot is: first, loosen the screw A, adjust the central distance B between the screw and upper feed shaft, adjust the distance B short to increase the lifting amount of presser foot, on the contrary, to decrease the amount, The amount should be adjusted within a certain range, and should not be adjusted too large. After adjustment, tighten the screw, turn the upper shaft to check if there is any collision, begin to use when everything goes well.

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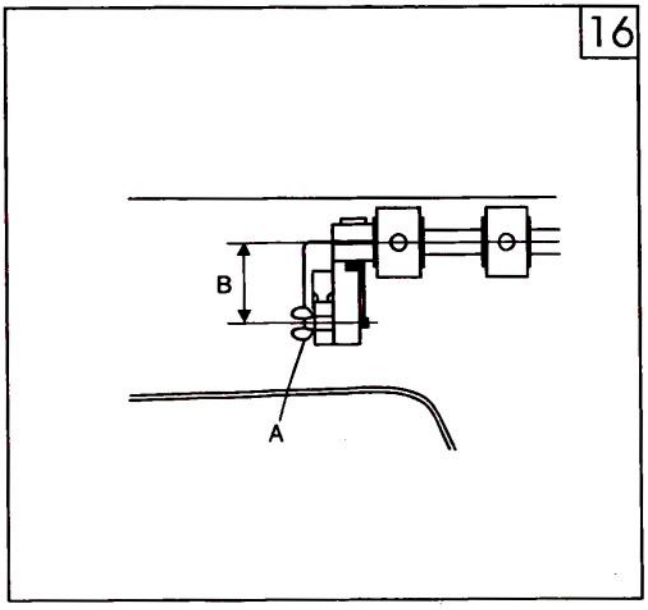

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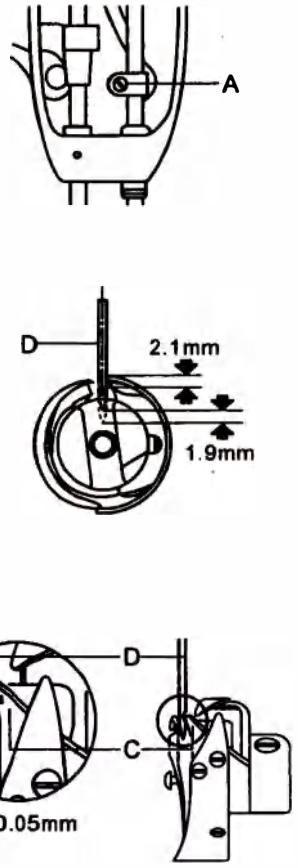

20. Adjusting the timing of feed

1. Standard position

The needle should aim at the center of needle hole on the feed dog, which can be adjusted through the installation position of upper feed shaft crank.

2. Install the feed cam

First, adjust the stitch length to zero, open the upper cover, turn the hand wheel counter-clockwise by right hand, the second screw on the feed cam should aligh with the groove on the upper shaft.

21. Adjusting the timing between the needle and hook(Fig. 17)

According to the looping relationship between hook and needle, adjust the lowest point of needle bar: when the needle is lifted up to 1.9 mm from its lowest position, the tip of hook should be straight to the needle center line, and there is a distance of 2.1mm between the tip of hook and upside of needle hole . If the position is wrong, please loosen the screw A, move the needle bar up and down until to the proper position, then tighten the screw. When adjustment, also please notice the lateral clearance between the tip of hook and needle, the proper clearance between the bottom of needle gap D and the tip of hook C is 0~0.5 mm.

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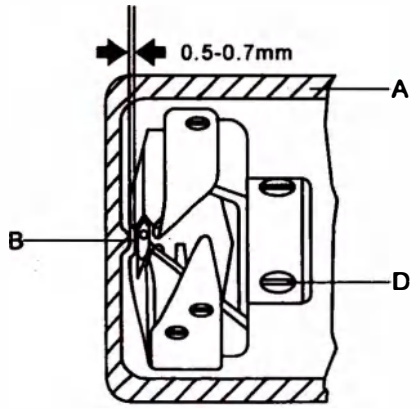


22. Installing the hook positioning bracket and hook (Fig.18)

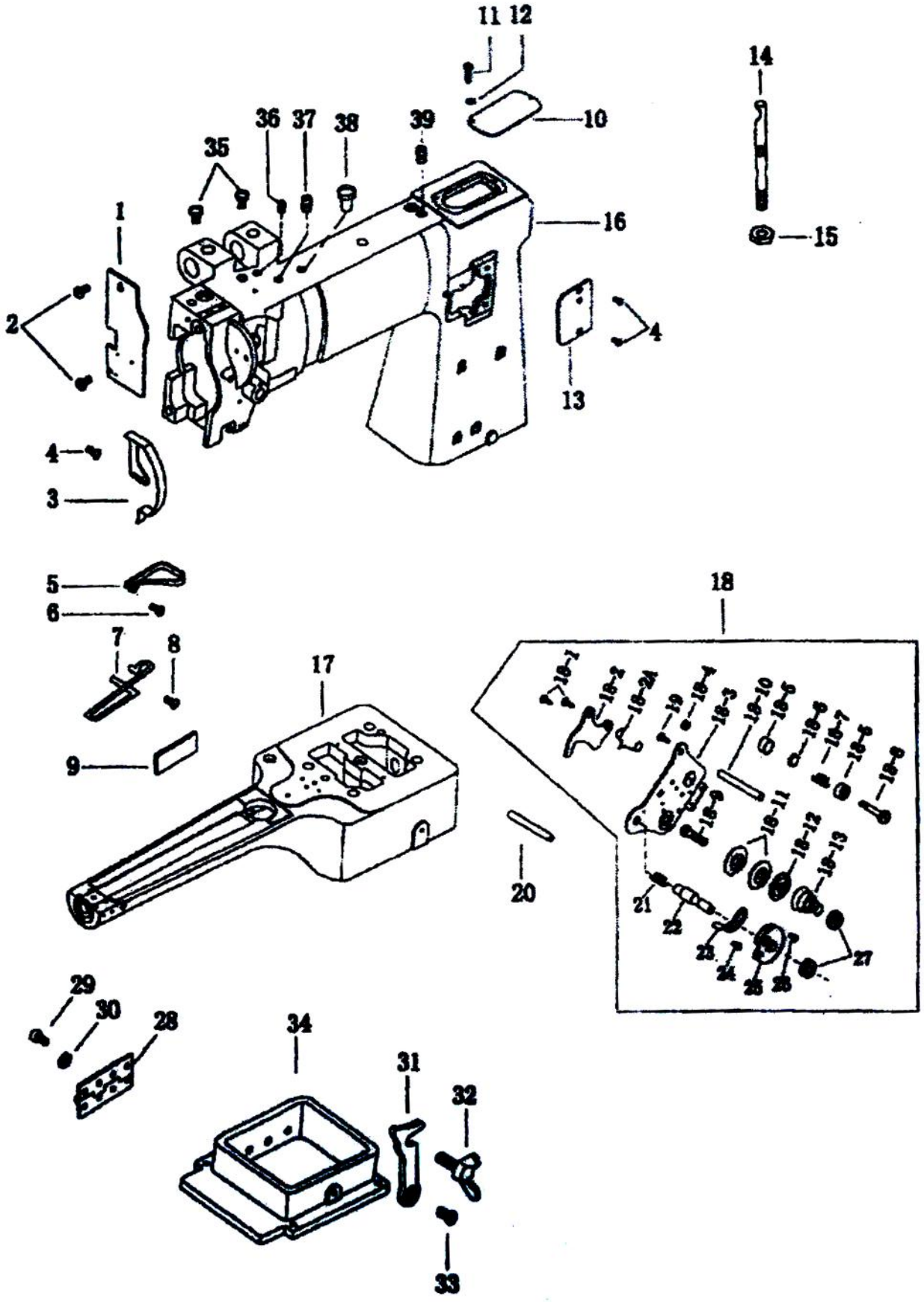
1. Install the hoook positioning bracket

When install the hook positioning bracket A, the flange of bracket should enter into the hollowness of hook inner head B , and there is a clearance of 0.5~0.7mm

2. Install the hook

Lift the presser foot and the needle bar to its hightest position, open the bed cover, unscrew the four screws of hook positioning bracket, then turn the hand wheel and loosen the two set screw D, finally, pull the hook out slowly, together with the positioning bracket. Install the hook in the reverse order that the hook is taken down.

PARTS CHART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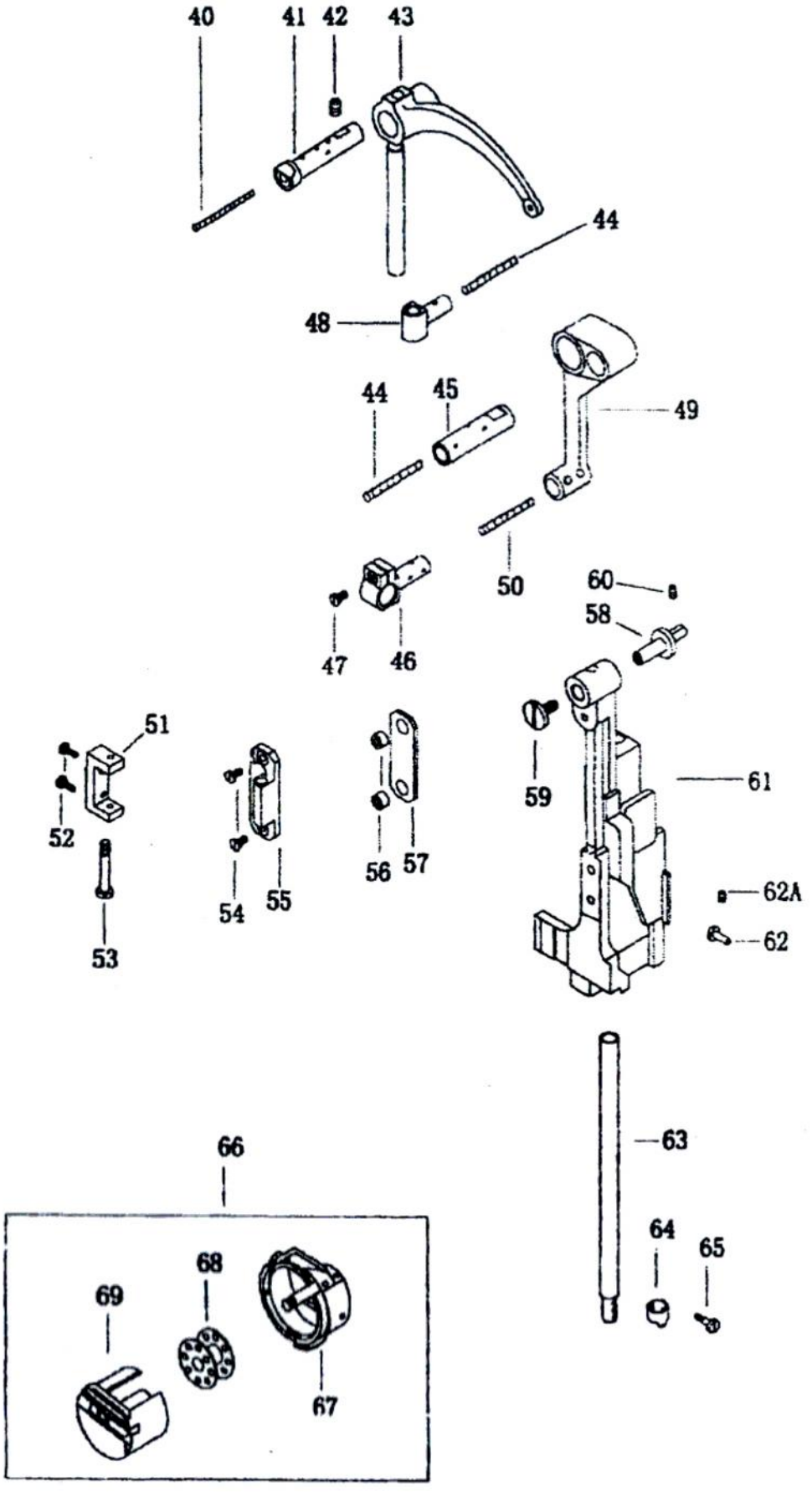
Ref.No	Nome of part	部品名稱	Amt.reg	Ref.No	Nome of part	部品名稱	Amt.reg
1	Face plate	面板	1	29	Screw M6×1L=12	螺絲	8
2	Screw M4×0.7	面板螺絲	2	30	Washer	墊圈	8
3	Thread take-up lever cover	天秤護蓋	1	31	Latch	挂鈎	1
4	Screw M4×0.7	護蓋螺絲	4	32	Thumb screw	蝶型螺絲	1
5	Thread guide(upper)	導綫架(上)	1	33	Hinge screw M7×1	挂鈎螺絲	1
6	Screw M4×0.7L=6	導綫架螺絲	1	34	Bed	底座	1
7	Thread guide(Lower)	導綫架(下)	1	35	Oil cap	油蓋	1
8	Screw M4×0.7L=6	下導綫圈螺絲	1	36	Oil cap	油蓋	1
9	Felt	油棉	1	37	Oil cap	油蓋	1
10	Top cover	上面板蓋	1	38	Oil cap	油蓋	1
11	Stud screw	上面板螺絲	1	39	Oil cap	油蓋	1
12	Wave washer	彈簧墊片	1				
13	Cover plate	前面板蓋	1				
14	Thread guide bar asm	綫柱螺絲	1				
15	Nut M6×1	螺帽	1				
16	Frame	機頭上座	1				
17	Arm	機頭中座	1				
18	Tension post asm	沙拉組	1				
	Screw M4×0.7L=6	螺絲	1				
20	Lifter pin	頂梢	1				
	Tension spring	彈簧	1				
	Thead tension stud	綳緊螺絲	1				
	Take-up spring adjusting plate	吊綫調整器	1				
	Screw M4×0.7L=5	螺絲	2				
	Tension disc	拉緊盤	1				
	Screw	一字螺絲	1				
	Nut	螺帽	1				
28	Bed hinge asm	鉸鏈組	1				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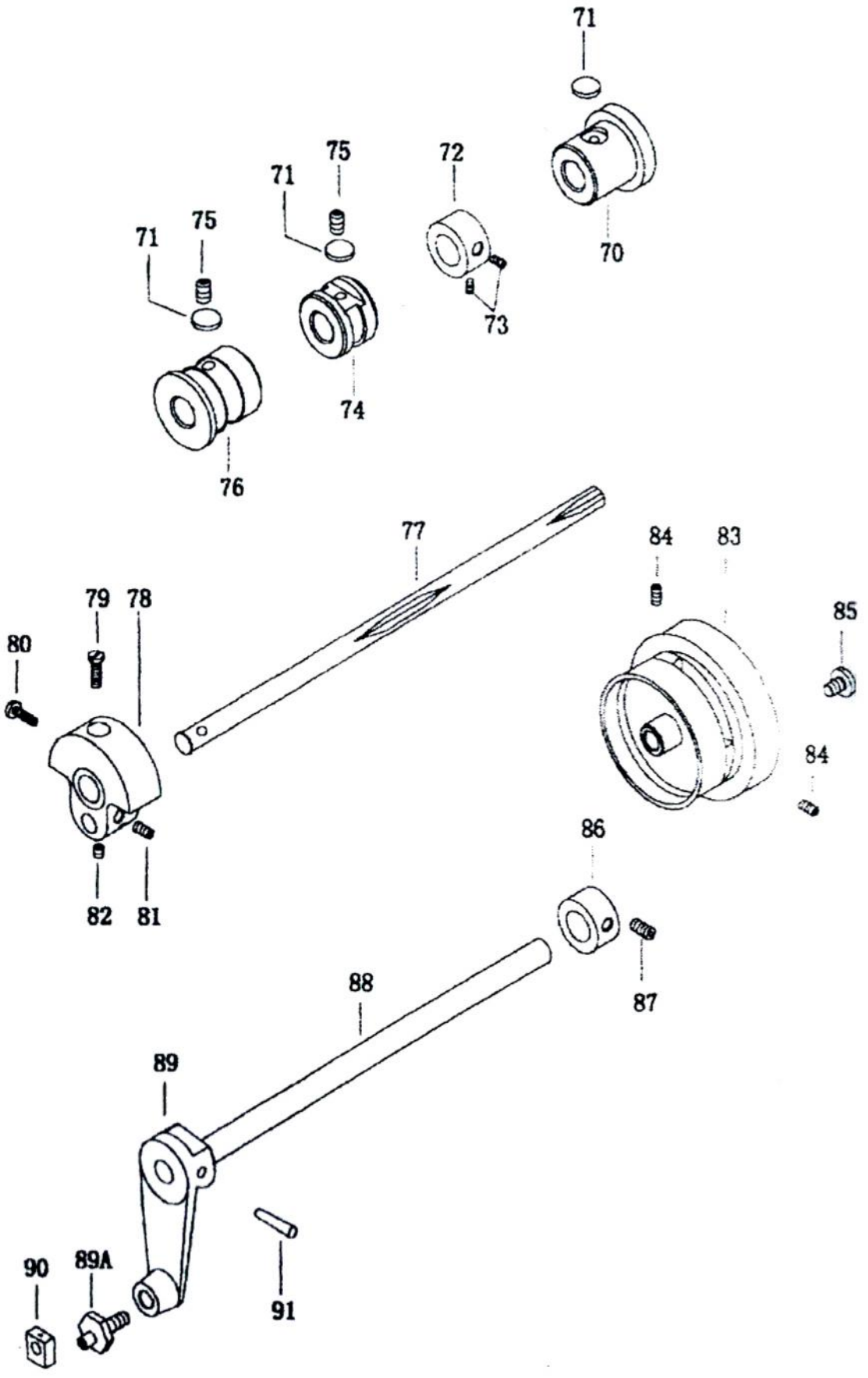
Ref.No	Nome of part	部品名稱	Amt.reg
40	Felt	油綫	1
41	Take-up lever pin	天秤支軸	1
42	Screw M6×0.8L=7	螺絲	1
43	Thread take-up lever	天秤	1
44	Felt	油綫	2
45	Needle bar crank pin	針棒連杆軸心	1
46	Needle bar connection	針棒固定軸	1
47	Screw M4×0.7L=8	針棒固定螺絲	1
48	Take-up lever thrust pin	天秤滑動軸	1
49	Needle bar crank rod	針棒連杆	1
50	Felt	油綫	1
51	Needle bar crank pin	C形座	1
52	SCREW M4×0.7L=8	螺絲	2
53	Needle bar connection	C行座螺絲	1
54	Screw	螺絲	2
55	Needle bar frame	針棒座前導板	1
56	Needle bar	導板墊圈	2
57	Malking bar gaide	針棒座后導板	1
58	Needle bar frame shaft	針棒座軸心	1
59	Screw	針棒座軸心螺絲	1
60	Screw M6×1L=6	螺絲	1
61	Needle bar frame	針棒座	1
62	Needle bar shaft	針棒座支持杆	1
62A	Screw	螺絲	1
63	Needle bar	針棒	1
64	Thread guide	圓形過綫	1
65	Screw	針棒螺絲	1
66	Hook asm	釜總組	1
67	Hook base asm	釜本體	1
68	Bobbin	梭心	1
69	Hook cover	梭殼	1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89A
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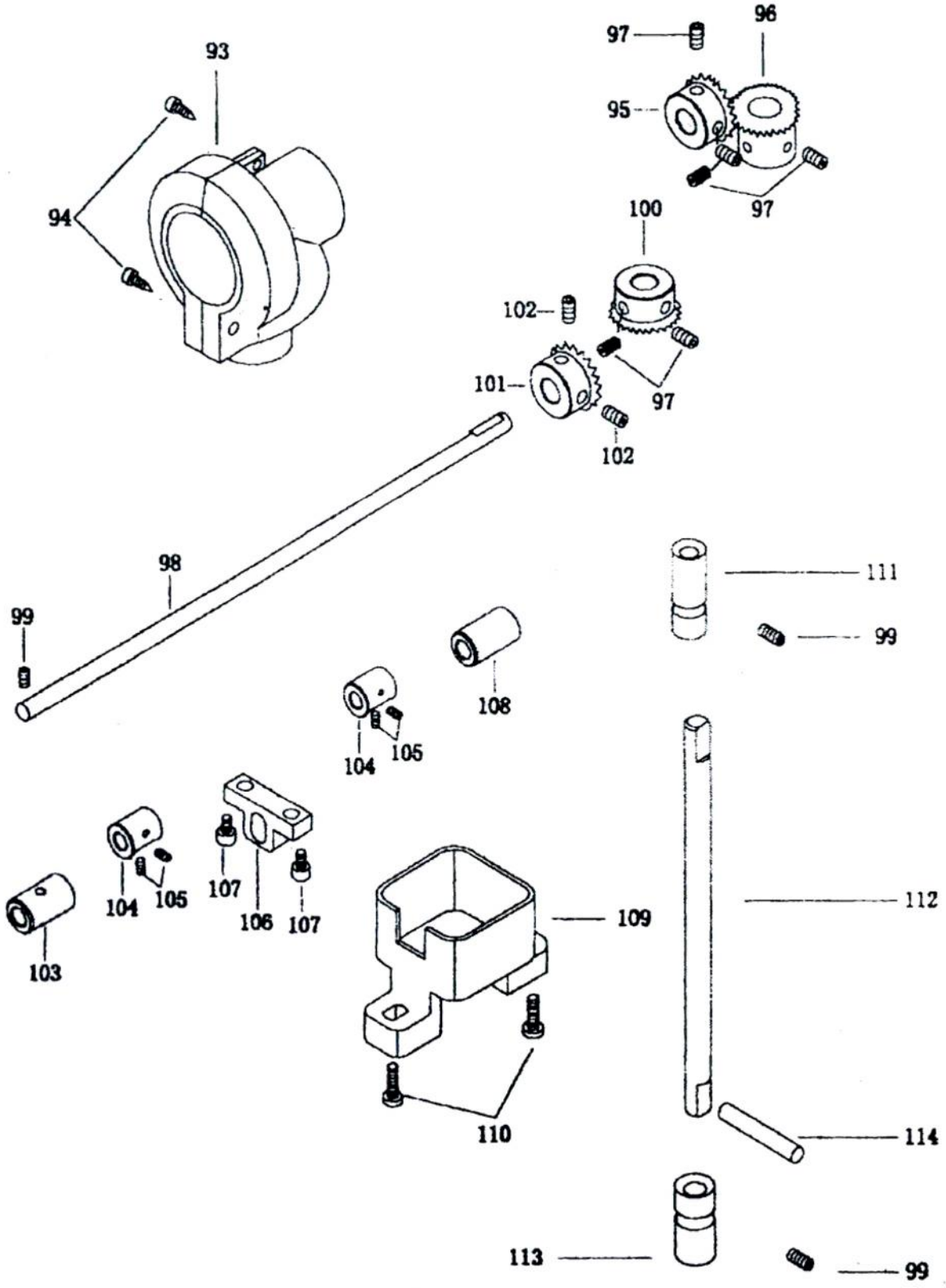
Ref.No	Nome of part	部品名稱	Amt.reg
70	Main shaft rear bushing	主軸后套管	1
71	Felt	油棉	3
72	Thrust collar	主軸固定套管	1
73	Screw M6×1L=5	螺絲	2
74	Main shaft intermediate bushing	主軸中套管	1
75	Screw	螺絲	2
76	Main shaft front bushing	主軸左套管	1
77	Main shaft	主軸	1
78	Crank	天秤凸輪	1
79	Fix screw	固定螺絲	1
80	Screw M6×1L=10	固定螺絲	1
81	Screw	螺絲	1
82	Screw	螺絲	1
83	Hand wheel	皮帶輪	1
84	Screw M6×1L=10	皮帶輪螺絲	2
85	Screw M6×1L=10	皮帶輪定位螺絲	1
86	Rock shaft front crank	固定套	1
87	Screw	螺絲	1
88	Rock shaft	針棒座搖動軸	1
89	Rock shaft front crank	針棒座搖動軸曲柄	1
89A	Slide block stud	滑塊梢	1
90	Needle bar frame slide block	針棒座滑塊	1
91	Spring pin	定位梢	1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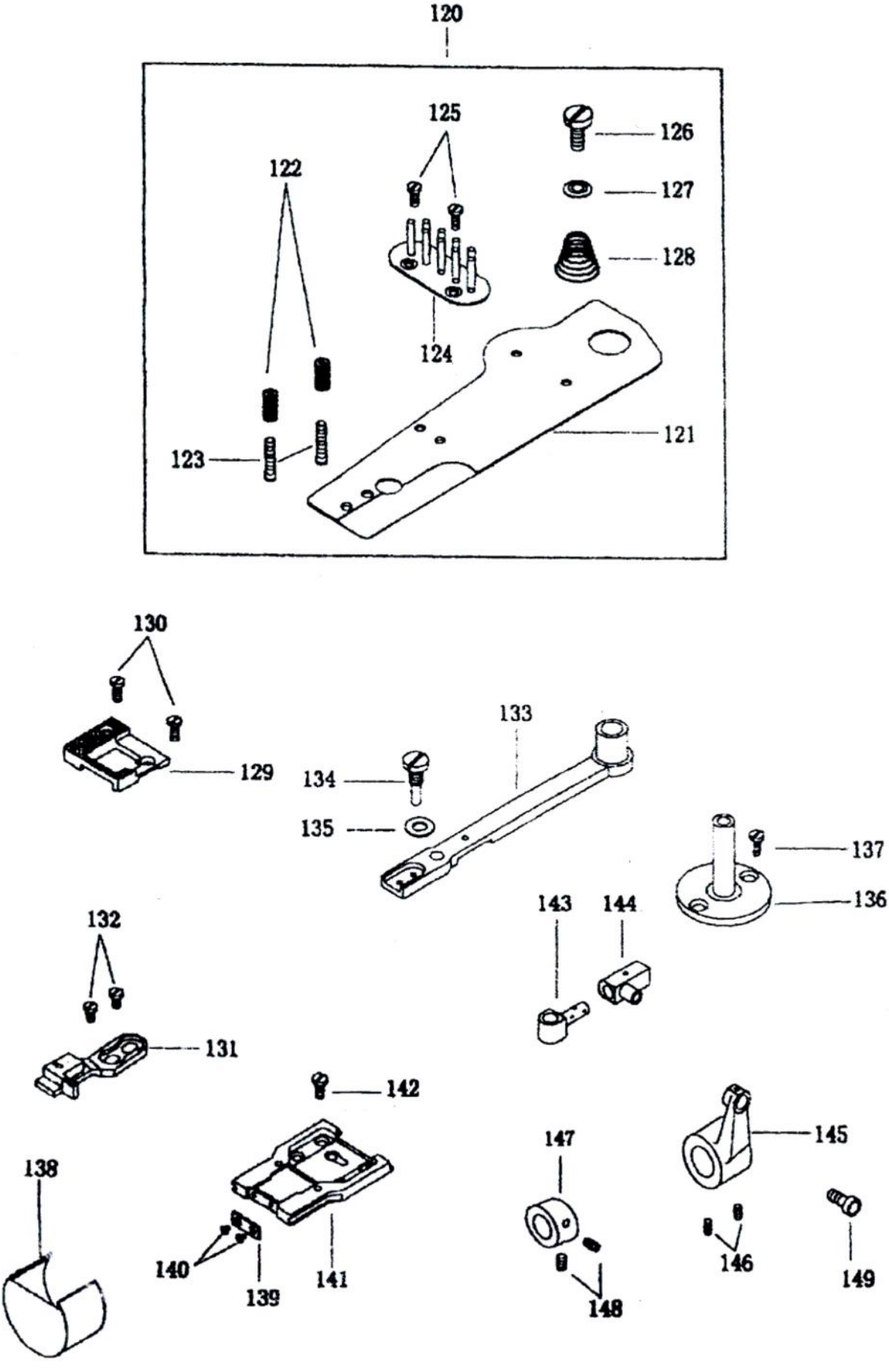
Ref.No	Nome of part	部品名稱	Amt.reg
93	Oil cap	主軸油蓋	1
94	Wood screw	螺絲	2
95	Upright shaft lower gear	主軸齒輪	1
96	Upright shaft upper gear	主軸上齒輪	1
97	Screw M6×1L=5	螺絲	6
98	Hook driving shaft	大釜軸	1
99	Screw M4×0.7	螺絲	3
100	Upright shaft lower gear	主軸下齒輪	1
101	Hook driving shaft gear	大釜齒輪	1
102	Screw M5×0.8L=5	螺絲	2
103	Hook driving bushing front	大釜軸左套管	1
104	Thrust collar	大釜軸中定環	2
105	Screw M4×0.7L=4	螺絲	4
106	Hook driving shaft support	大釜軸定位座	1
107	Screw M4×0.7=12	螺絲	2
108	Hook driving shaft bushing	大釜軸右套管	1
109	Hook driving shaft case	大齒輪油蓋	1
110	Screw M6×1L=13	螺絲	2
111	Upright shaft upper bushing	立軸上套管	1
112	Upright shaft	立軸	1
113	Upright shaft lower bushing	立軸下套管	1
114	Guide oil pipe	導油綫	1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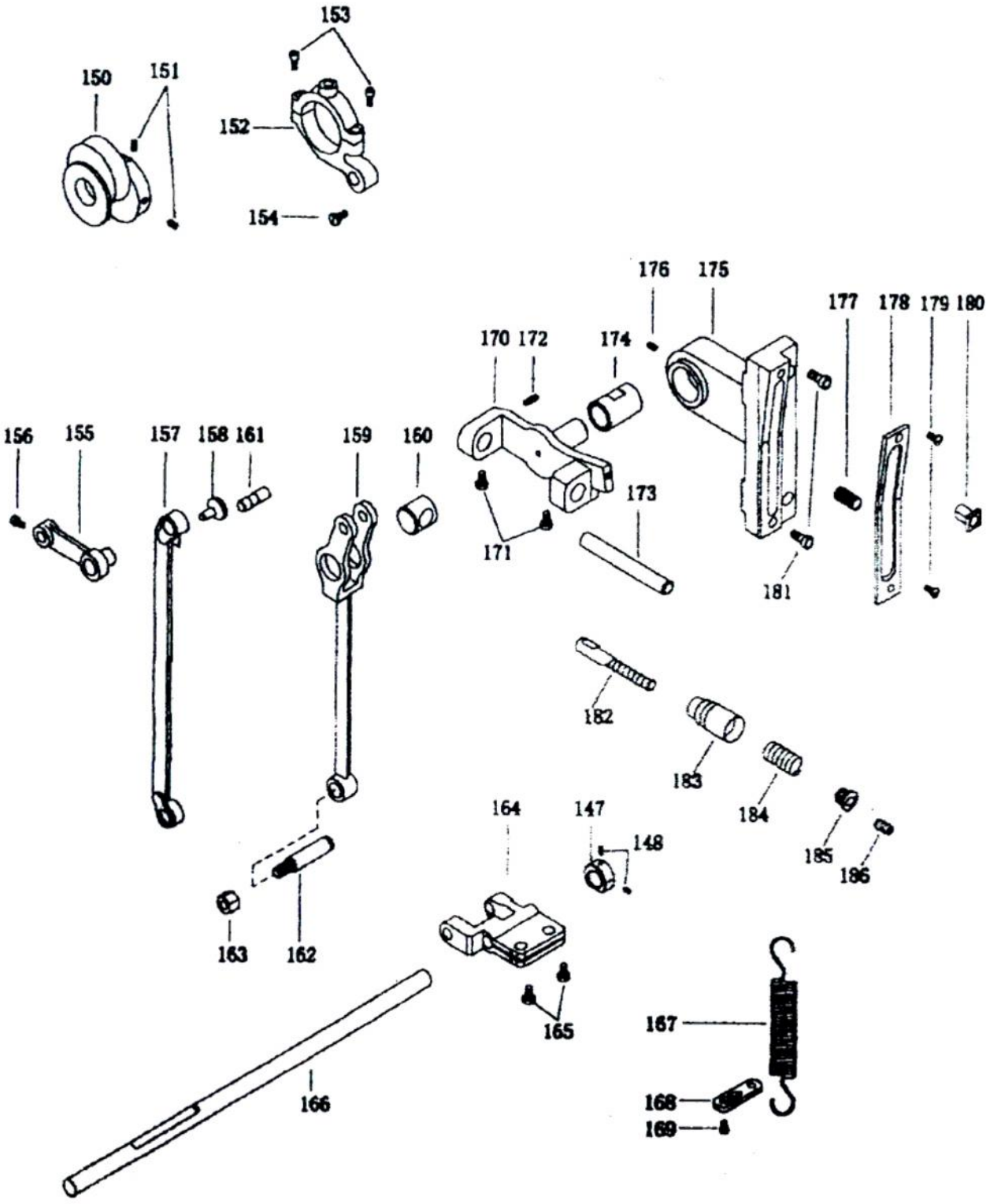
Ref.No	Nome of part	部品名稱	Amt.reg
120	Bed cover asm	喇叭座	1
121	Bed cover	中座蓋板	1
122	Horn base nut	喇叭座螺帽	2
123	Stud screw	喇叭螺絲	2
124	Feee bar guide base	導料座	1
125	Screw M4×0.7L=4	螺絲	2
126	Screw	送料臺螺絲	1
127	Bed cover washer	墊片	1
128	Bed cover sping	彈簧	1
129	Throat plate	針板	1
130	Screw	螺絲	2
131	Feed dog	送金	1
132	Screw	送金螺絲	2
133	Feed bar	送金搖杆	1
134	Feed bar slide screw stud	送金臺滑軸螺絲	1
135	Washer	墊片	1
136	Feed bar stud	送金臺軸	1
137	Screw M4×0.7L=7	螺絲	2
138	Hook cover	大釜蓋	1
139	Needle guide	大釜擋片	1
140	Screw	螺絲	2
141	Throat plate base	針板座	1
142	Screw M4×0.7L=6	螺絲	4
143	Feed bar slide block	送金滑套	1
144	Feed bar slide baock base	滑套基座	1
145	Feed bar driving link	送金臺連杆座	1
146	Screw M5×0.8L=5	螺絲	2
147	Thrust collar (RH)	固定套	1
148	Screw M4×0.7L=4	螺絲	2
149	Screw M4×0.7L=6	滑套座螺絲	1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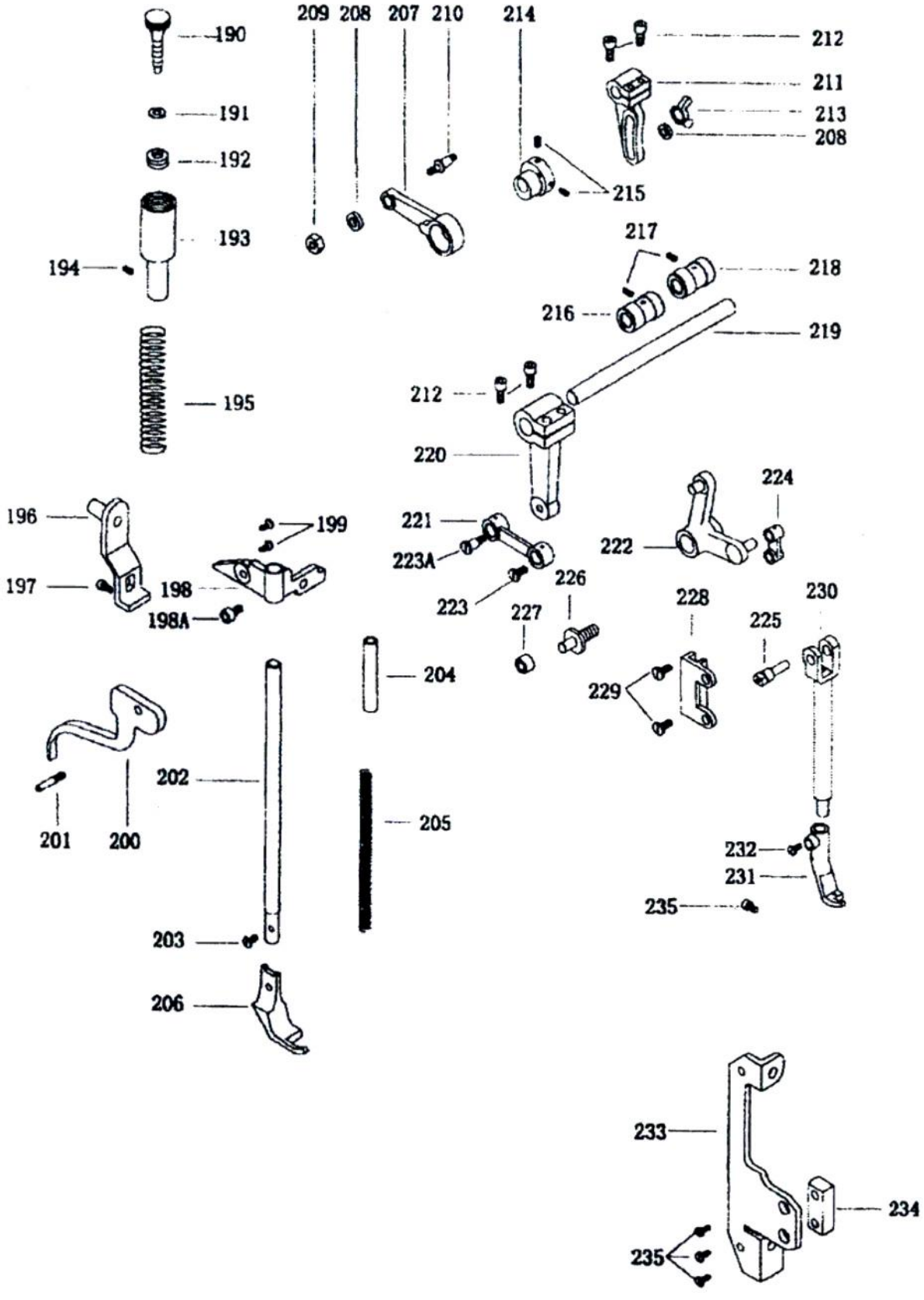
Ref.No	Nome of part	部品名稱	Amt.reg	Ref.No	Nome of part	部品名稱	Amt.reg
150	Feed drive eccentric cam	偏心凸輪	1	178	Differential feed graduation	調節刻度板	1
151	Screw M5×0.8L=12	螺絲	2	179	Screw	螺絲	1
152	Feed drive rod	偏心凸輪座	1	180	Rocker shaft bushing	調節導套	1
153	Screw M5×0.8L=6	偏心凸輪座螺絲	2	181	Screw	螺絲	2
154	Screw M4×0.7L=6	螺絲	1	182	Rocker shaft	調節軸	1
155	Rock shaft rear crank	針棒搖動軸曲杆	1	183	Rocker handle	調節把手	1
156	Screw M6×1L=16	螺絲	1	184	Spring	彈簧	1
157	Needle bar frame rod	針棒座連杆	1	185	Nut	螺母	1
158	Hinge screw	針棒座連杆螺絲	1	186	Screw M4×0.7L=6	螺絲	1
159	Piman	叉型連杆	1				
160	Slide block	滑套	1				
161	Crank pin	曲軸梢	1				
162	Reverse control lever shaft	送金調節軸	1				
163	Nut M7×1	螺帽	1				
164	Drovorng rod crank	搖動座	1				
165	Screw M6×1L=13	螺絲	2				
166	Feed rock shaft	送金軸	1				
167	Spring	彈簧	1				
168	Sping base	彈簧固定座	1				
169	Screw M4×0.7L=6	螺絲	1				
170	Guide support	滑套座	1				
171	Screw 5×0.8L=8	螺絲	21				
172	Screw	螺絲	1				
173	Slide shaft	滑套軸	1				
174	Feed regulator bushing	送料調節臺套管	1				
175	Feed regulator supporting base	送料調節臺基座	2				
176	Screw M6×1=6	螺絲	1				
177	Spring	彈簧	2				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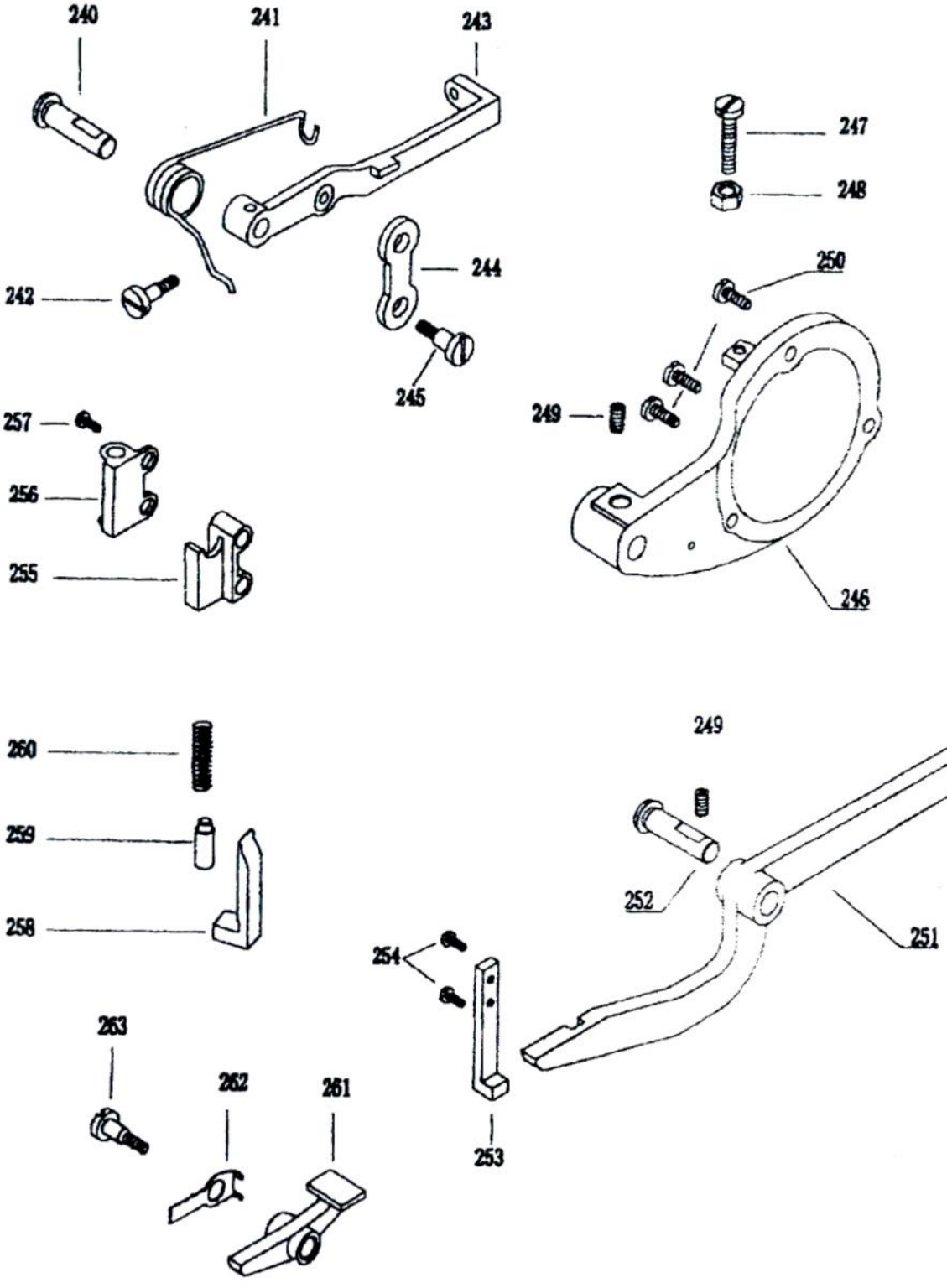
Ref.No	Nome of part	部品名稱	Amt.reg	Ref.No	Nome of part	部品名稱	Amt.reg
190	Presser spring regulator	彈簧加壓螺絲	1	218	Bushing	內押腳需動軸套管	1
191	Nut	螺母	1	219	Upper feed driving shaft	內押腳送料軸	1
192	Screw M4×0.7	螺絲	1	220	Upper feed driving rod	前搖動曲柄	1
193	Presser bar bushing	壓棒套管	1	221	Connecting link	內壓腳連杆	1
194	Screw M5×0.8L=5	壓棒套管螺絲	1	222	L-shaped link	內壓腳三角座	1
195	Presser spring	彈簧	1	223	Stud screw	連杆螺絲	2
196	Lifting arm	壓腳起高臂	1	224	Walking bar driving link	內押腳連杆	1
197	Screw M5×0.8L=5	螺絲	1	225	Walking bar pin	內押腳連杆軸	1
198	Presser guide bracket	壓腳導架	1	226	Connecting screw	內送料邊接螺栓	1
199	Screw	螺絲	2	227	Connecting screw roller	邊接螺栓滾珠	1
200	Hand lifter	押腳拉起把手	1	228	Walking bar guide	內壓腳導行座	1
201	Hand lifter pin	螺栓榫	1	229	Screw M4×0.7L=17	螺絲	2
202	Presser bar	押腳棒	1	230	Walking bar	內壓腳棒	1
203	Stud screw	外押腳螺絲	1	231	Walking foot	內壓腳	1
204	Spring pin	壓簧榫	1	232	Screw M4×0.7	內壓腳螺絲	1
205	Presser inner spring	押腳內彈簧	1	233	Bracket position guide subase	壓棒支架	1
206	Presser foot	外壓腳	1	234	Presser bar bracket position guide	壓棒導线	1
207	Upper feed driving rod	內壓驅動杆	1	235	Screw M4×0.7	螺絲	4
208	Washer	墊片	1				
209	Nut	螺母	1				
210	Hinge screw	連接螺杆	1				
211	Upper feed spring rod	內送料搖臂	1				
212	Screw M5×0.8L=12	螺絲	4				
213	Thumb nut	蝶形螺母	1				
214	Upper feed cam	內壓腳偏心凸輪	1				
215	Screw M6×1L=6	螺絲	2				
216	Bushing	內押腳需動軸套管	1				
217	Screw M6×1L=6	螺絲	2				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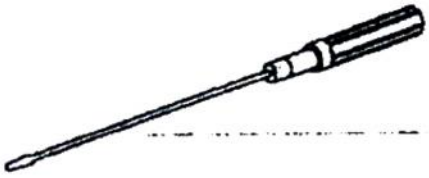
Ref.No	Nome of part	部品名稱	Amt.reg
240	Shaft pin	軸栓	1
241	Spring	回力彈簧	1
242	Screw M6×1L=13	螺絲	1
243	Foot lifter lever	腳踏拉杆	1
244	Knee lifter lever link	連杆	1
245	Screw M6×1L=13	螺絲	2
246	Back cover	后蓋	1
247	Screw M4×0.7L=10	螺絲	1
248	Nut	螺母	1
249	Screw M6×1L=6	螺絲	2
250	Screw M4×0.7L=10	螺絲	3
251	Screw M5×0.8L=25	腳動押腳托架	1
252	Shaft pin	軸栓	1
253	Lifting lever connecting hook	拉起鈎	1
254	Screw	螺絲	2
255	Lifter brack	頂梢滑塊座	1
256	Guide pin brase	滑塊座蓋	1
257	Screw M5×0.8L=18	螺絲	1
258	Lifter Plate	頂梢滑塊	1
259	Guide pin	導梢	1
260	Spring	彈簧	1
261	Lifter rod	滑塊檔杆	1
262	Cushion plate	彈簧片	1
263	Stud screw	二段螺絲	1



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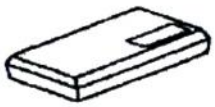

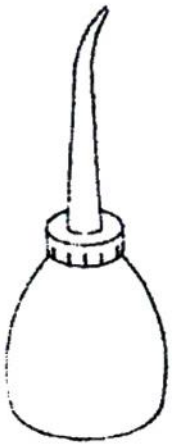

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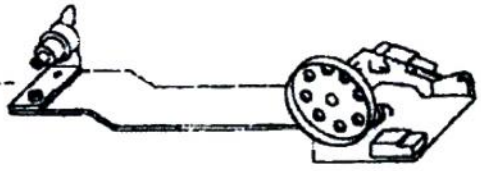

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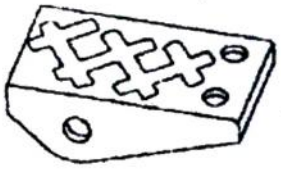

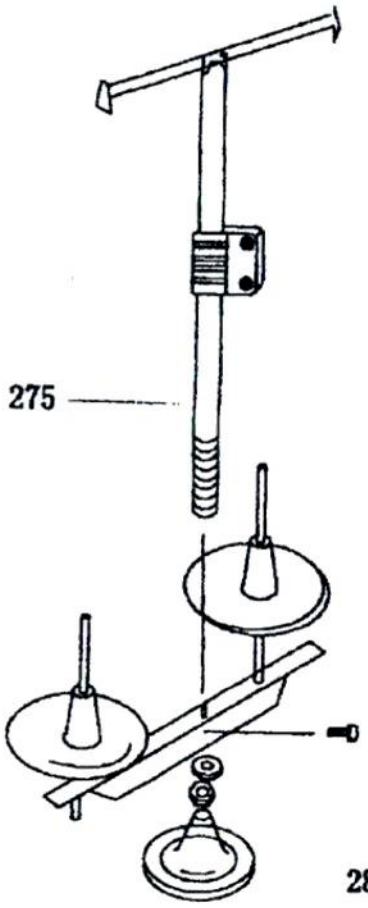
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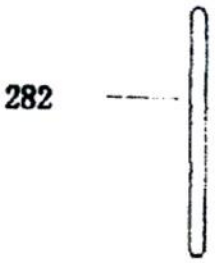
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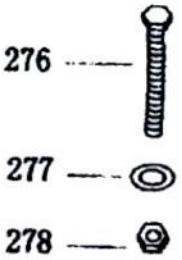
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机头固定丝螺
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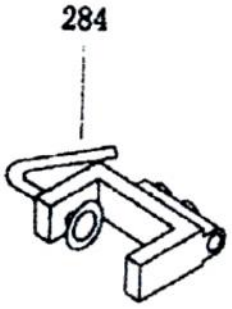
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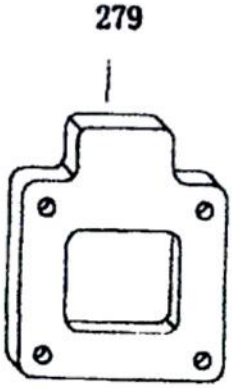
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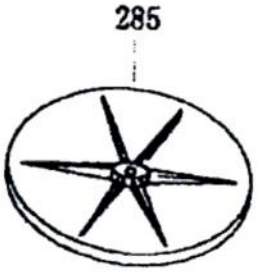
机头橡胶垫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Ref.No	Nome of part	部品名稱	Amt.reg
265	Screw driver(large)	大起子	1
266	Screw driver(middle)	中起子	1
267	Screw driver(small)	小起子	1
268	Bobbin	梭心	4
269	Needle	針	1
270	Vinyl cover	防塵套	1
271	Accessory box	附件盒	1
272	Oiler	油瓶	1
273	Bobbin winder	卷綫器	1
274	Foot floor	壓腳踏板	1
275	Cotton stand assembly	綫架	1
276	Screw	機頭固定螺絲	4
277	Washer	墊片	4
278	Nut	螺帽	4
279	Spool washer	橡膠墊	1
280	S-plug	S型鈎	1
281	Knee lifer lever connetction rod	鏈條	1
282	Head rest shaft	滾條架軸心	1
283	Thrust collar	滾條架套管	1
284	Head rest shaft	滾條架座	1
285	Spool plate	塑料盤	1

□除调整线迹外，机器的调试及维修非专业人员请勿擅自操作。

□个别零件进行更改设计时，恕不另行通知。