

HIGHLEAD

HG9910-B/HG9920-B

HG9910-D2/HG9920-D2 series

**Post-bed Compound Feed Lockstitcher With
Roller And Back Tacking**

Instruction Manual
Parts Catalog

SHANGHAI HUIGONG NO.3 SEWING MACHINE FACTORY

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HG9910-B SERIES POST-BED COMPOUND FEED LOCKSTITCH

SEWING MACHINE WITH ROLLER AND INSTRUCTION BOOK

Thank you for choosing HG9910-B series Post-bed compound feed lockstitch sewing machine with roller.

This is an instruction book & parts catalog, which will help you to use machine and maintain the machine correctly while facilitate reference of parts.

In order to avoid trouble, please read this instruction book carefully before operation, and accept safety operation guide from professionals.

1. BRIEF INTRODUCTION OF MACHINE

HG9910-B / HG9920-B post-bed compound feed lockstitch sewing machine with roller is elegant in appearance, nice and even in stitches which can be freely adjusted, light and smooth in running with ball bearing and needle bearing, excellent for heavy duty with wheel feed and driven roller presser foot, and is especially suitable for sewing high-grade leather shoes, bags, gloves and other curvy leather products.

2. MAIN SPECIFICATIONS

Type	HG9910-B / HG9920-B	HG9910-D2 / HG9920-D2
Max Sewing Speed	2000rpm	
Stitch Length	0 ~ 5mm	
Presser Foot Lift	7 mm.(by hand)	
	12mm.(by knee)	
Needle Bar Stroke	41mm	
Needle	DP×5 11#~20#	
Hook	Vertical Hook	
Max Thickness to be Sewn	6mm	
Lubrication	Manual	
Motor	370W Clutch Motor	220V550W Servo Motor

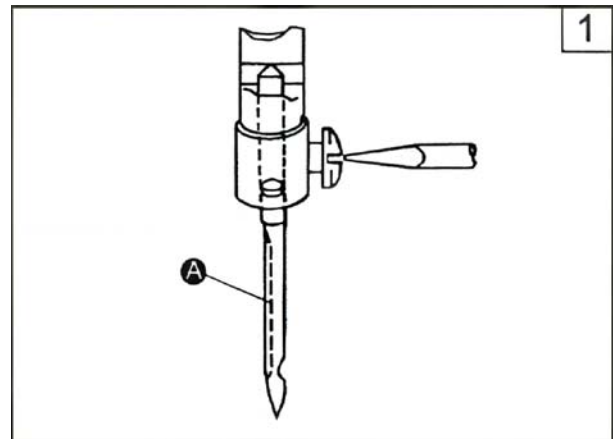
3. PRECAUTION

- Though each machine has been strictly inspected and tested before leaving factory, the machine parts may be loose or deformed after long distance transportation with jolt. So before installing & using the machine, you must check it carefully. Examine it and ensure there is no trouble for rotating, on colliding, no abnormal resistance and abnormal sound before you perform run-in operation.

- b. The thread guide way of the parts such as rotating hook, feeding wheel and thread tension regulator assy. etc. is apt to accumulate dust, which would affect sewing performance. So you must clean it regularly.
- c. After you clean the machine, please lubricate all the relevant points with sewing machine oil.
- d. If special sewing material or special thread is used, or you want to replace those parts which will affect clearance, please refer to the professionals.

4. NEEDLE SETTING (Fig.1)

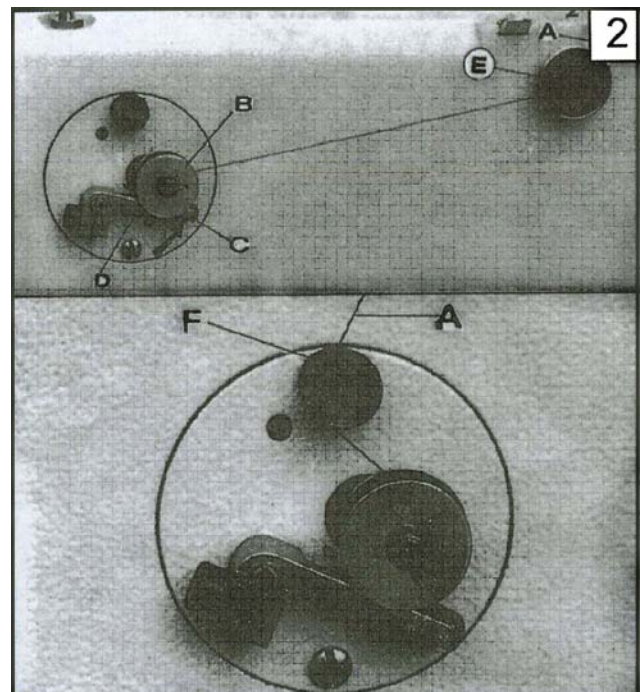
Please use DP×5、11#~20# needle only. Needle should be selected as per thread and nature of material to be sewn. When installing needle, make sure the needle's long groove(A) facing the operator's left side, then fully insert the needle shank up to the bottom of the needle socket and tighten the clamp screw finally.



5. WIND THE BOBBIN (Fig.2)

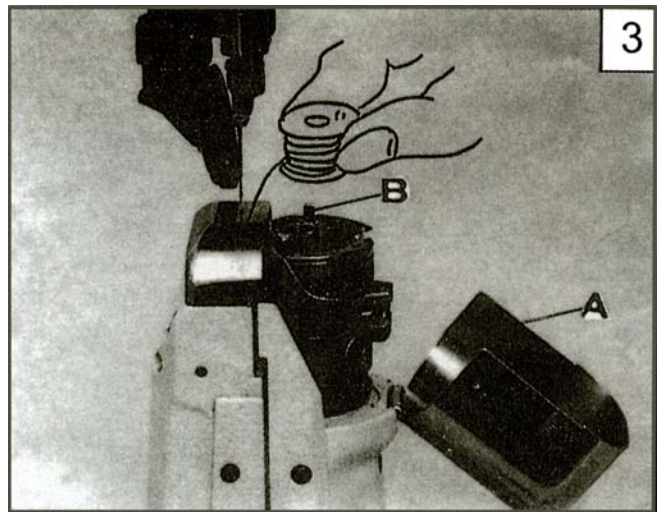
Put Bobbin (B) on the bobbin winder spindle, and draw the thread (A) from spool and between two tension discs (E), then wind the thread on Bobbin (B) several rounds, pull up Bobbin Winder Lever (D), press Spring Plate (C) up to Bobbin (B). When sewing, it will wind the bobbin automatically. (if not sewing, it can wind the bobbin with the presser foot lifted up.)

After winding, you may cut bobbin thread by winding the thread two rounds on the thread cutting blade and pull it off.



6. INSTALL BOBBIN & BOBBIN CASE (Fig.3)

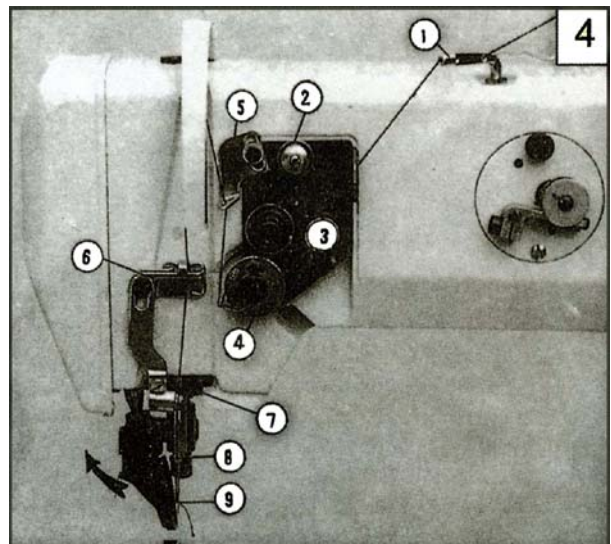
- a. Open Cover (A).
- b. Lift up Bobbin Latch (B).
- c. Pull bobbin thread out about 50mm, then draw the end of thread through the slot of bobbin case.
- d. Put the bobbin case into the rotating hook.
- e. Press down Bobbin Latch (B).
- f. While taking the needle thread by left hand, rotate the balance wheel by right hand to draw up the bobbin thread.
- g. Close Cover (A) again.



7. THREADING (Fig.4)

When threading, raise needle bar to the upper end of its stroke, lift up presser foot, sewing out the roller presser foot (pull it down, then push it away as the arrow indicates). Then lead the end of thread from spool and start threading in the following sequence:

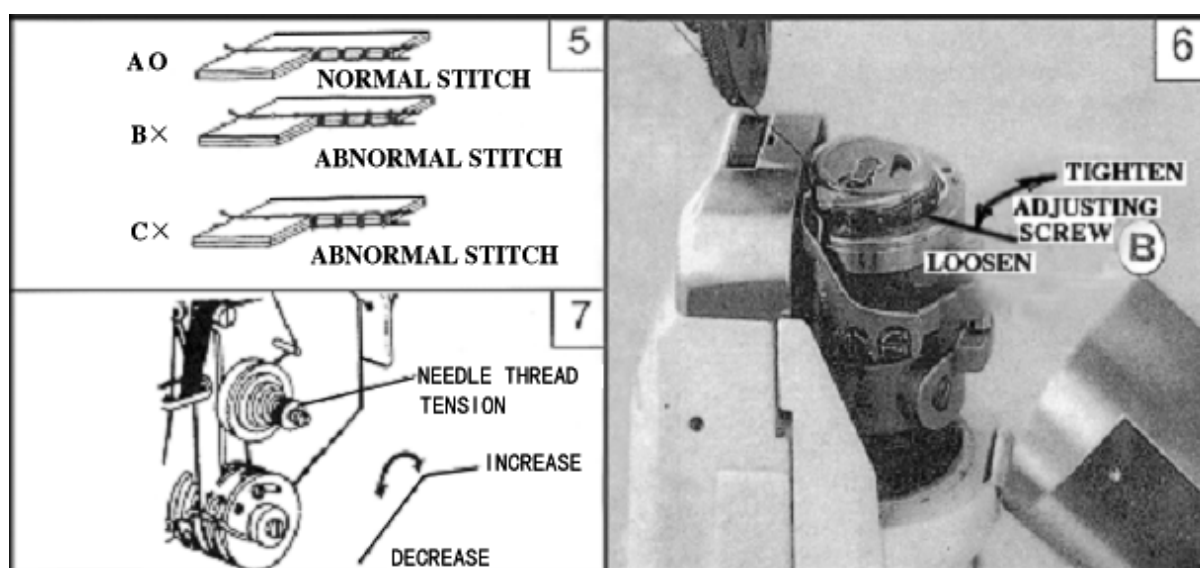
- a. Lead the thread through the two holes of Thread Pin ①.
- b. Lead the thread from right to left through the right hole of the thread tension setting plate, then lead it up and go between Small Tension discs ②.
- c. Lead the thread downward round the thread dividing pin and pass it through Tension Discs ③.
- d. Pass the thread round Thread Tension Guide Plate ④ from right to left.
- e. Lead the thread up through Upper Thread Guide ⑤, then pass it through the hole of thread take-up lever from right to left.
- f. Lead the thread downward through Middle Thread Guide ⑥, Lower Thread Guide ⑦, Hole ⑧ on the needle bar, then pass it through the eye of the needle ⑨, and draw it out about 100mm for sewing.



8. ADJUST THREAD TENSION (Fig.5、 6、 7)

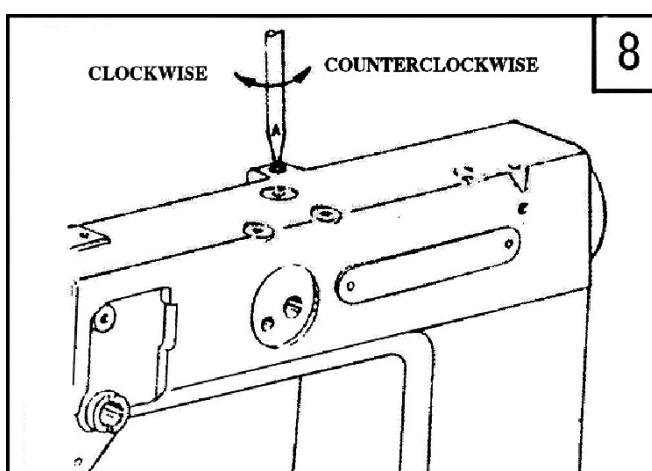
The normal stitch should be the same as Fig. (A) shows. If the stitch is abnormal, thread breaking or puckering may appear. In this case, you should adjust the tension of needle thread & bobbin thread until the stitch is right.

- a. If the stitch is the same as Fig. (B) shows, it means needle thread tension is too strong or bobbin thread tension is too weak. You should turn tension nut counter-clockwise to reduce the tension of needle thread. Or tighten Adjusting Screw (B) with small screwdriver to increase the tension of bobbin thread.
- b. Fig. (C) show that needle thread tension is too weak or bobbin thread tension is too strong. You should turn tension nut clockwise to increase the tension of needle thread, or loosen Adjusting Screw (B) using small screwdriver to reduce the tension of bobbin thread.



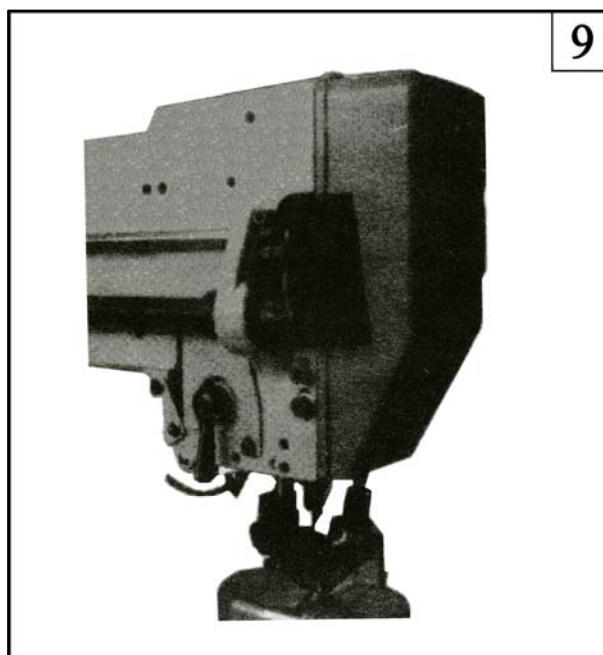
9. ADJUST PRESSURE OF ROLLER PRESSER FOOT (Fig.8)

The presser of the roller presser foot should be adjusted according to the thickness of material to be sewn. When sewing heavy weight material, the pressure of presser foot should be increased by turning clockwise the regulating screw on the back of the machine head as Fig.8 indicates.



10. Lifting the top poller up (Fig.9)

Mechanical lifting of the top roller is enabled by means of the hand lever(2),which temporarily,after it has been lifted in the arrow direction,is locking the top roller in its top position and turning (adjustment) of the machine is possible. The top roller can be lofted via knee lever or left treadle depending on the machine sub-class.

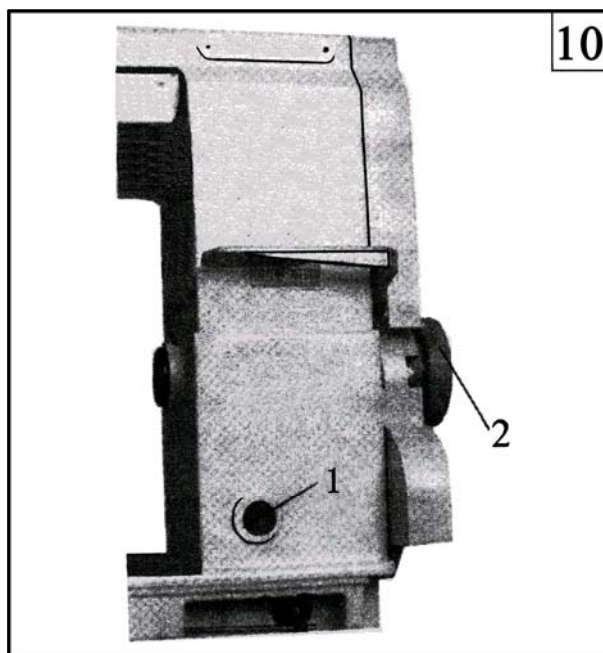


11. ADJUST STITCH LENGTH (Fig.10)

Please turn down the switch knob(1)

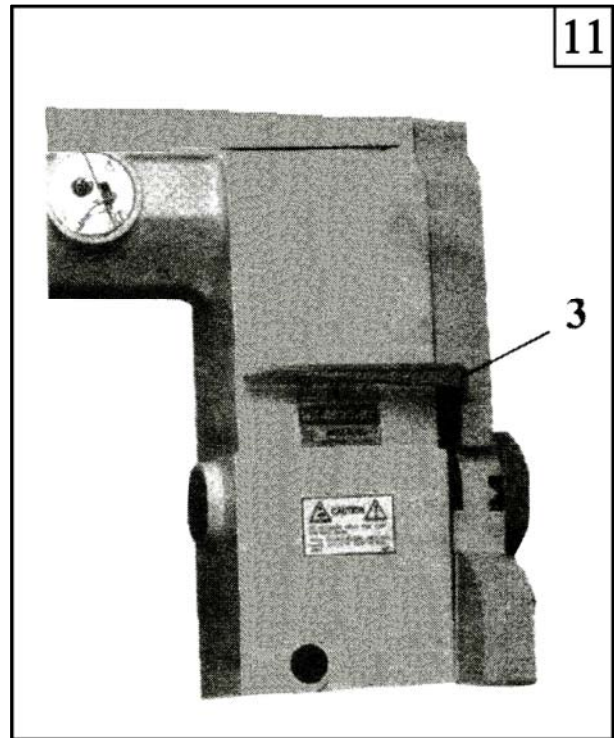
Turn with the hand wheel,let the switch knob(1)drop.

Please turn the wheel continue until the stitch number that you need display(2)place.



12. Reverse stitching (Fig.11)

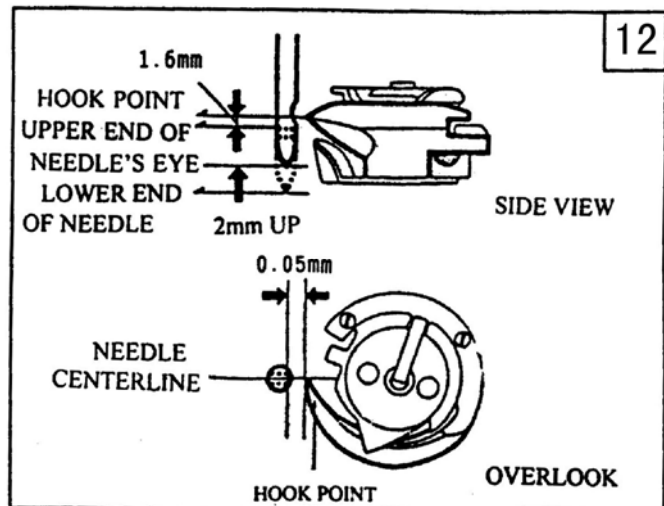
The change of direction of sewn work can be mechanically controlled via reverse stitching lever(3) by its depression in the arrow direction(down).



13. REGULATE CLEARANCE BETWEEN HOOK AND NEEDLE (Fig.12)

We suggest adjust the clearance between rotating hook and needle by professionals.

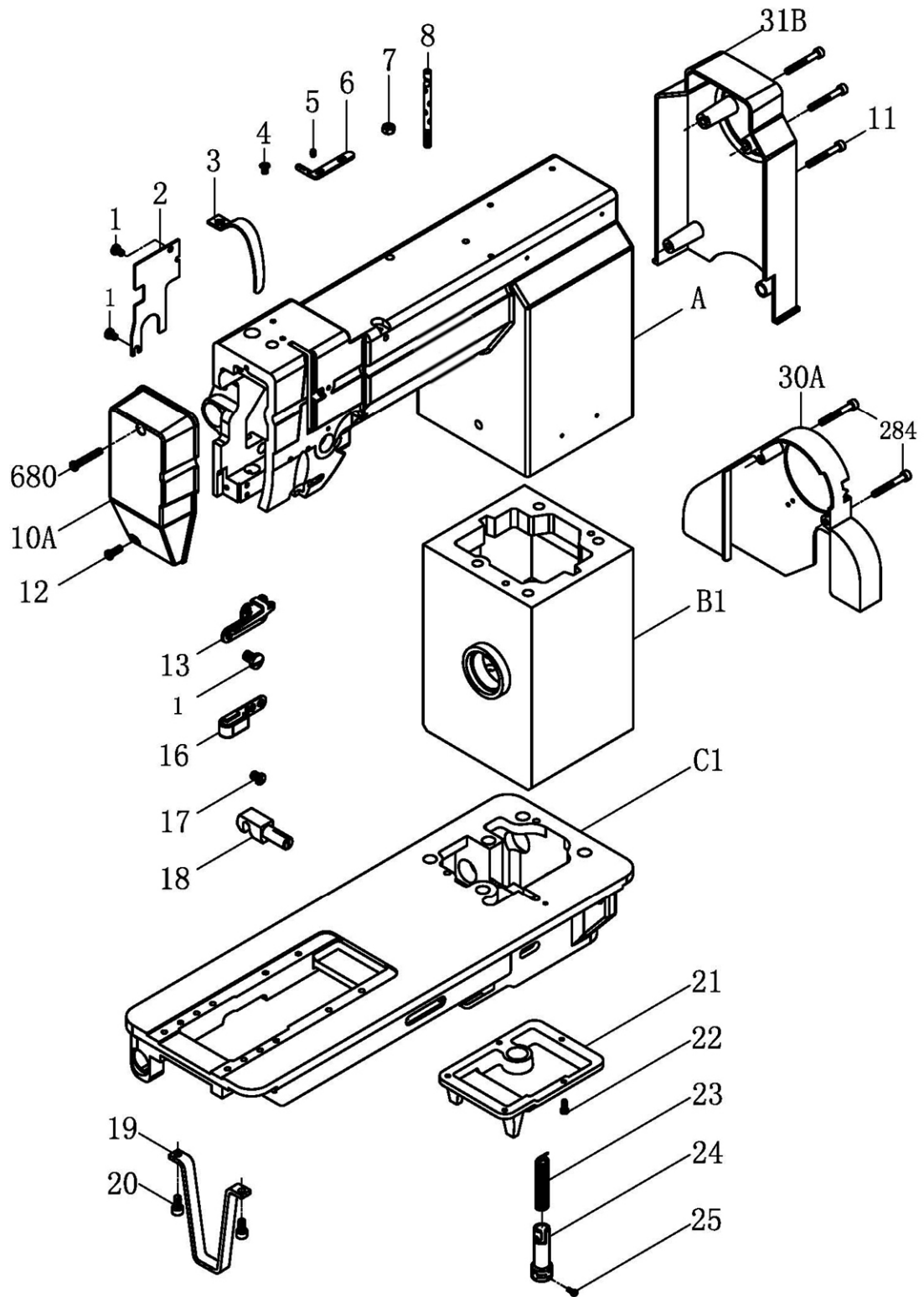
- When turning round the balance wheel by hand to set the needle 2mm from its lowest position, the position of needle's eye should be 1.6mm lower than hook point.
- When turning round the balance wheel by hand to set the needle 2mm from its lowest position, hook point should aim at needle groove with the clearance of 0.05mm.



14. TROUBLE SHOOTING AND REMEDY

TROUBLE	CAUSE	REMEDY
Stitch Skipping	(1)Caused by needle: Needle bent Needle doesn't fit for thread. (2)Wrong needle installation: Insufficient insertion. The needle deflected when being inserted	Replace needle Replace with a needle which is fit for thread. Fully insert the needle shank up to the bottom of the needle socket. Re-install needle.
Poor Stitches	(1) Tension of needle thread is too weak. (2) Tension of thread take-up spring is too weak. (3) Tension of bobbin thread is too strong.	Turn tension nut clockwise to adjust tension of needle thread. Adjust the tension of thread take-up spring. Tighten the screw of thread tension spring of bobbin case.
Thread Breaking	(1)Poor-quality thread. (2)Caused by needle: Needle bent Wrong needle installation Needle is not fit for thread (3)The tension of needle thread is too strong	Replace thread with high-quality one. Replace the needle. Re-install the needle. Replace with a needle which is fit for thread. Loosen tension nut.

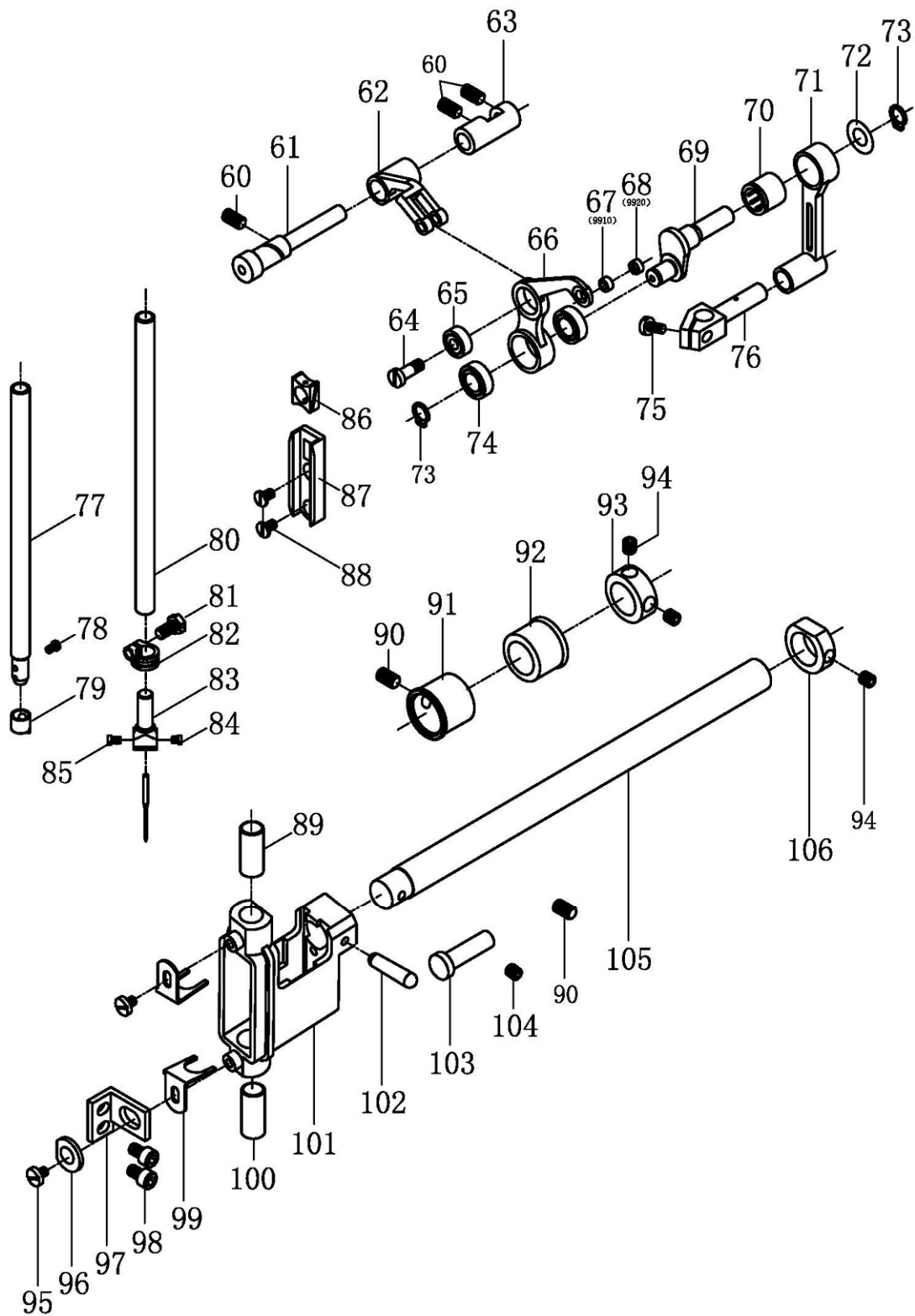
A.ARM BED AND ITS ACCESSORIES



A.ARM BED AND ITS ACCESSORIES

Ref.N0.	Name of part	Ref.N0.	Name of part
A	Arm		
B1	Post		
C1	Bed		
1#	Screw		
2#	Arm side cover		
3#	Thread take-up cover		
4#	Screw		
5#	Screw		
6#	Thread retainer		
7#	Nut		
8#	Thread guide pin		
10A	Face plate		
11#	Screw		
12#	Screw		
13#	Thread guide plate		
16#	Thread guide wire		
17#	Screw		
18#	Push button(back)		
19#	Bracket		
20#	Screw		
21#	Bottom pan		
22#	Screw		
23#	Spring		
24#	Knee lifter coupling		
25#	Screw		
30A	Belt cover		
31B	Upper shaft cover		
284#	Screw		
680#	Screw		

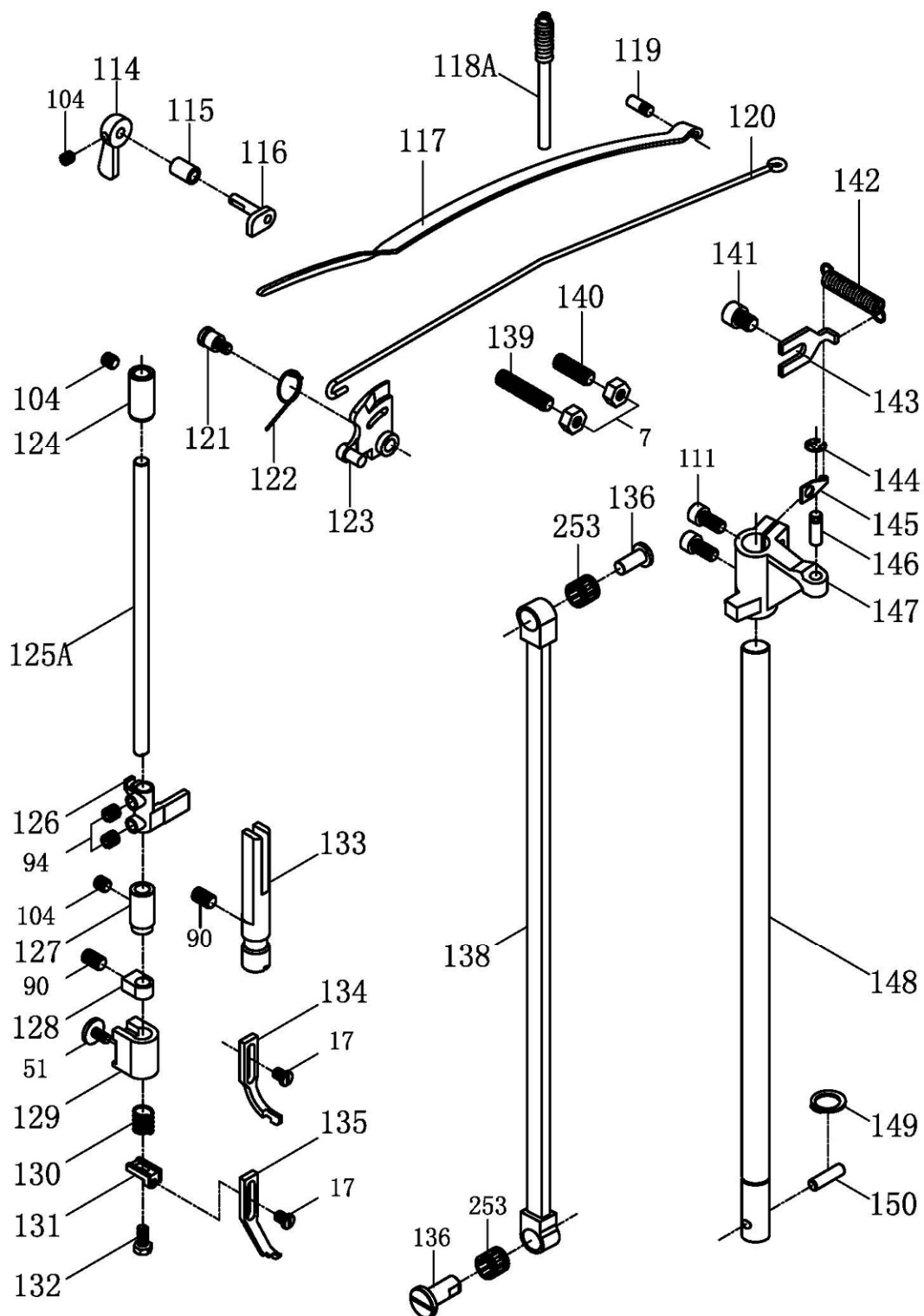
B.THREAD TAKE-UP AND NEEDLE BAR FEEDING MECHANISM



B.THREAD TAKE-UP AND NEEDLE BAR FEEDING MECHANISM

Ref.NO.	Name of part	Ref.NO.	Name of part
60#	Screw	102#	Pin
61#	Thread take-up lever shaft	103#	Pin
62#	Thread take-up holder	104#	Screw
63#	Bushing	105#	Shaft
64#	Bolt	106#	Collar assy.
65#	Bearing		
66#	Thread take-up lever		
67#	Washer		
68#	Washer		
69#	Thread take-up crank		
70#	Needle bearing		
71#	Needle bar connecting rod		
72#	Washer		
73#	C-ring		
74#	Ball bearing		
75#	Screw		
76#	Needle bar connector		
77#	Needle bar		
78#	Screw		
79#	Needle guide		
80#	Needle bar		
81#	Screw		
82#	Needle bar clamp		
83#	Needle holder		
84#	Screw		
85#	Screw		
86#	Slide block		
87#	Guide trough		
88#	Screw		
89#	Needle bar bushing(upper)		
90#	Screw		
91#	Needle bed bushing(front)		
92#	Needle bed bushing(back)		
93#	Needle bed collar		
94#	Screw		
95#	Screw		
96#	Washer		
97#	Needle bed plate		
98#	Screw		
99#	Fitting plate		
100#	Needle bar bushing(lower)		
101#	Needle bar hold		

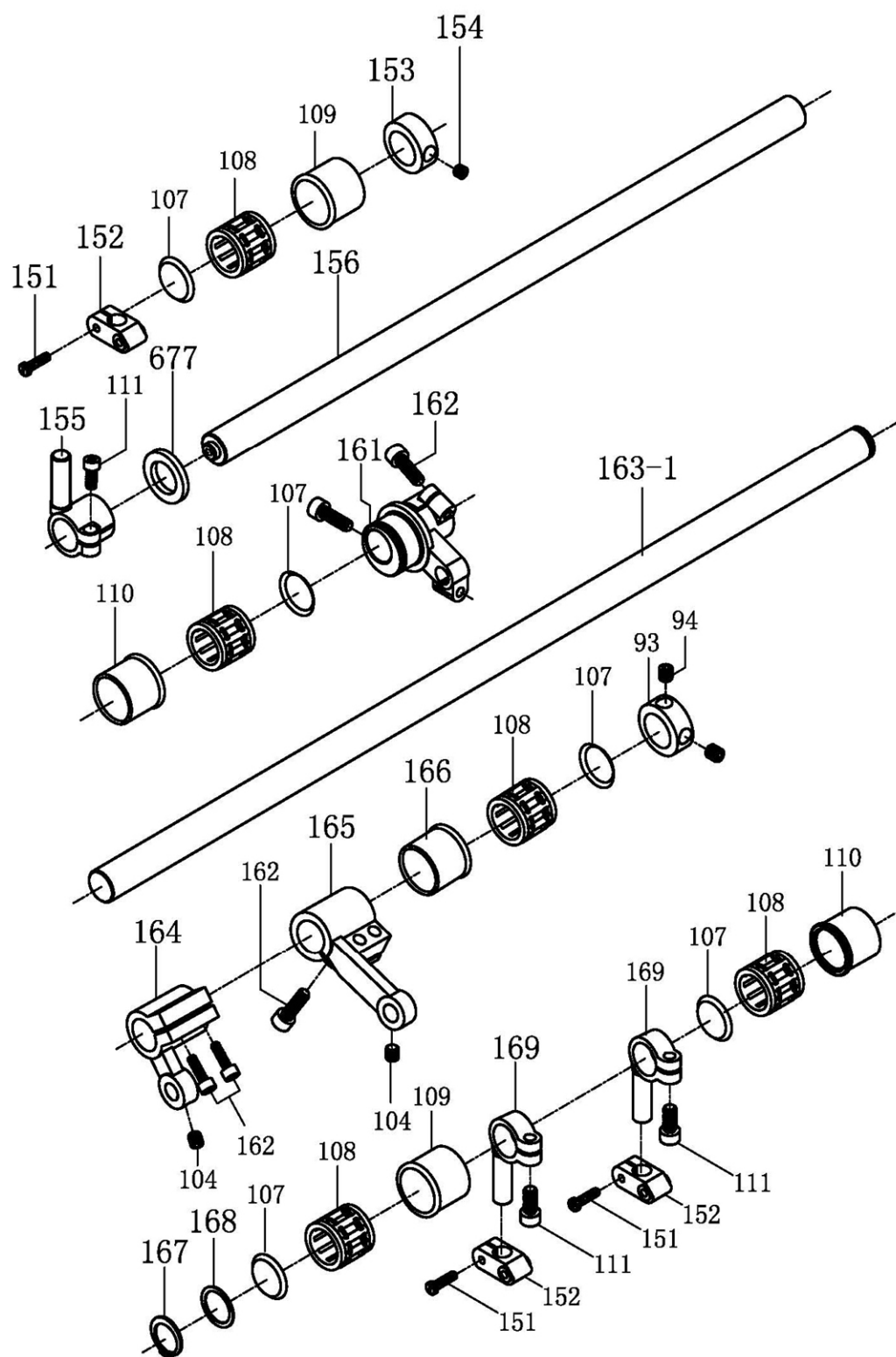
C.PRESSER BAR MECHANISM



C.PRESSER BAR MECHANISM

Ref.NO.	Name of part	Ref.NO.	Name of part
7#	Nut	150#	Pin
17#	Screw	253#	Needle bearing
51#	Screw		
90#	Screw		
94#	Screw		
104#	Screw		
111#	Screw		
114#	Presser foot lifter		
115#	Bushing		
116#	Foot lifter shaft		
117#	Spring plate		
118A	Screw		
119#	Screw		
120#	Knee lifter connecting rod		
121#	Screw		
122#	Spring		
123#	Bushing		
124#	Presser bar bushing(upper)		
125A	Presser bar		
126#	Presser bar holder		
127#	Presser bar bushing(lower)		
128#	Presser bar retainer(upper)		
129#	Presser bar retainer(lower)		
130#	Spring		
131#	Bracket		
132#	Screw		
133#	Foot lifter shaft		
134#	Presser foot		
135#	Double presser foot		
136#	Pin(short)		
138#	Connecting Rod		
139#	Screw		
140#	Screw		
141#	Screw		
142#	Spring		
143#	Fitting plate		
144#	E-ring		
145#	Spring plate		
146#	Pin		
147#	Crank		
148#	Presser lifting shaft		
149#	C-ring		

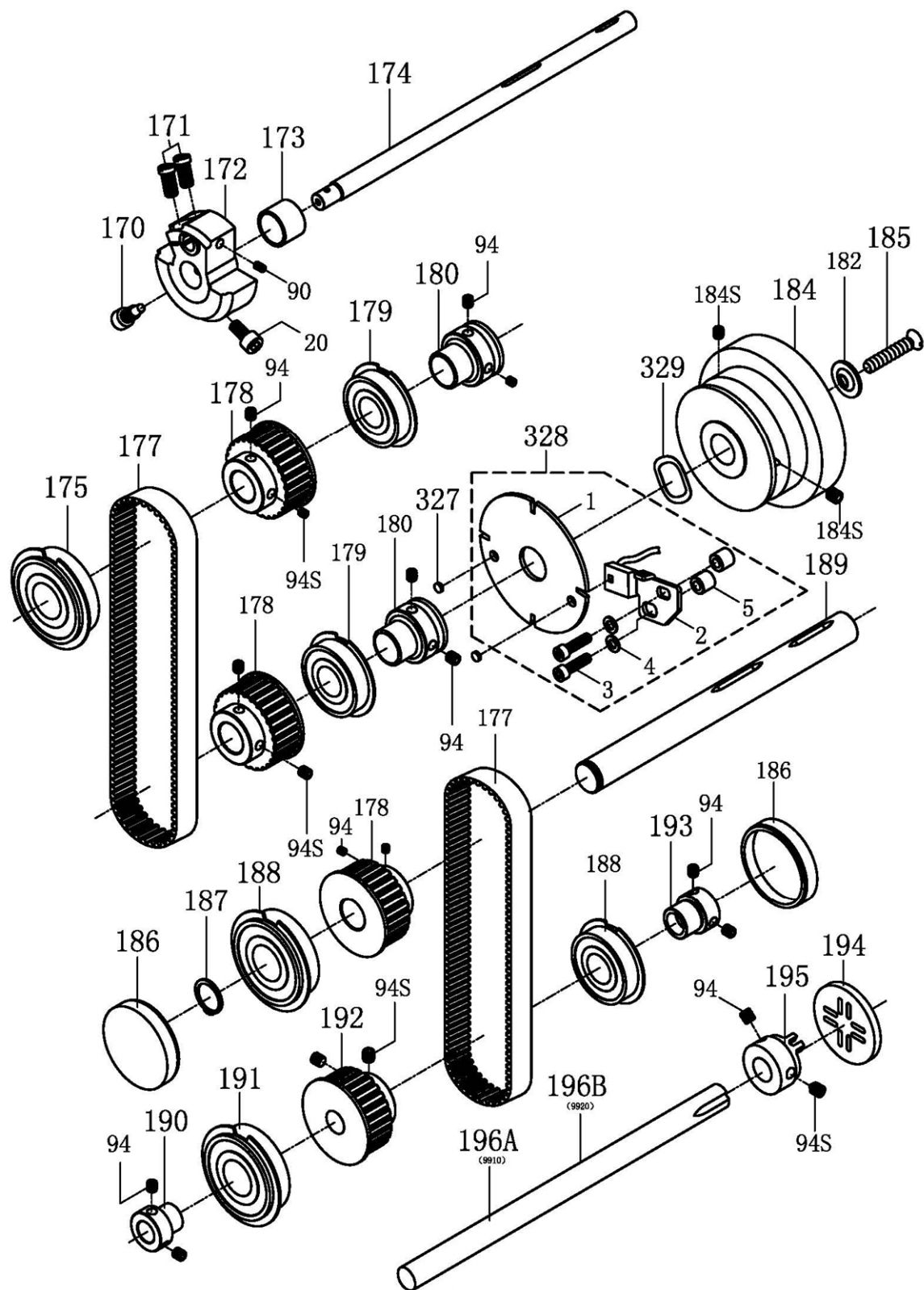
D.FEED MECHNISM



D.FEED MECHNISM

Ref.N0.	Name of part	Ref.N0.	Name of part
93#	Collar		
94#	Screw		
104#	Screw		
107#	Washer		
108#	Needle Bearing		
109#	Bushing		
110#	Bushing		
111#	Screw		
151#	Screw		
152#	Adapter		
153#	Collar		
154#	Screw		
155#	Connector		
156#	Upper side shaft		
161#	Eccentric cam		
162#	Screw		
163-1	Feed rock shaft		
164#	Crank(short)		
165#	Crank(long)		
166#	Bushing		
167#	C-ring		
168#	Washer		
169#	Connector		

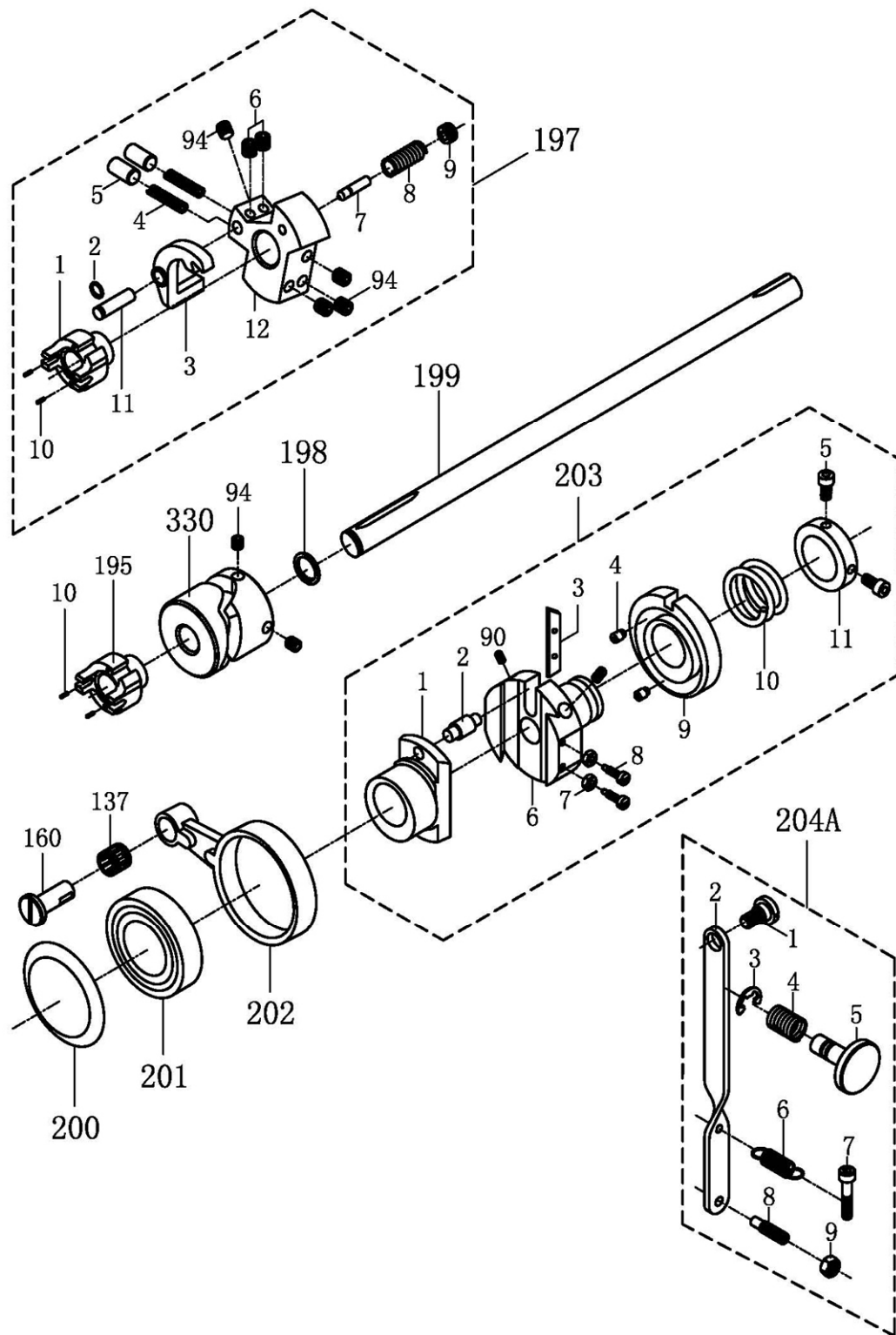
E.UPPER SHAFT AND Timing BELT MECHANISM



E.UPPER SHAFT AND Timing BELT MECHANISM

Ref.N0.	Name of part	Ref.N0.	Name of part
20#	Screw		
90#	Screw		
94#	Screw		
94S	Screw		
170#	Screw		
171#	Screw		
172#	Cam		
173#	Bushing		
174#	Upper shaft		
175#	Ball bearing		
177#	Timing belt		
178#	Timing belt wheel		
179#	Ball bearing		
180#	Arm shaft bushing		
182#	Washer		
184#	Balance wheel		
184S	Screw		
185#	Screw		
186#	Cover		
187#	C-ring		
188#	Ball bearing		
189#	Shaft		
190#	Collar(left)		
191#	Ball bearing		
192#	Timing belt wheel		
193#	Collar(right)		
194#	Connecting plate		
195#	Shaft coupler(left)		
196#	Shaft(short)		
196B	Shaft(short)		
327#	Lodestone		
328-1	Plate		
328-2	Line		
328-3	Screw		
328-4	Washer		
328-5	Bushing		
329#	Wave washer		

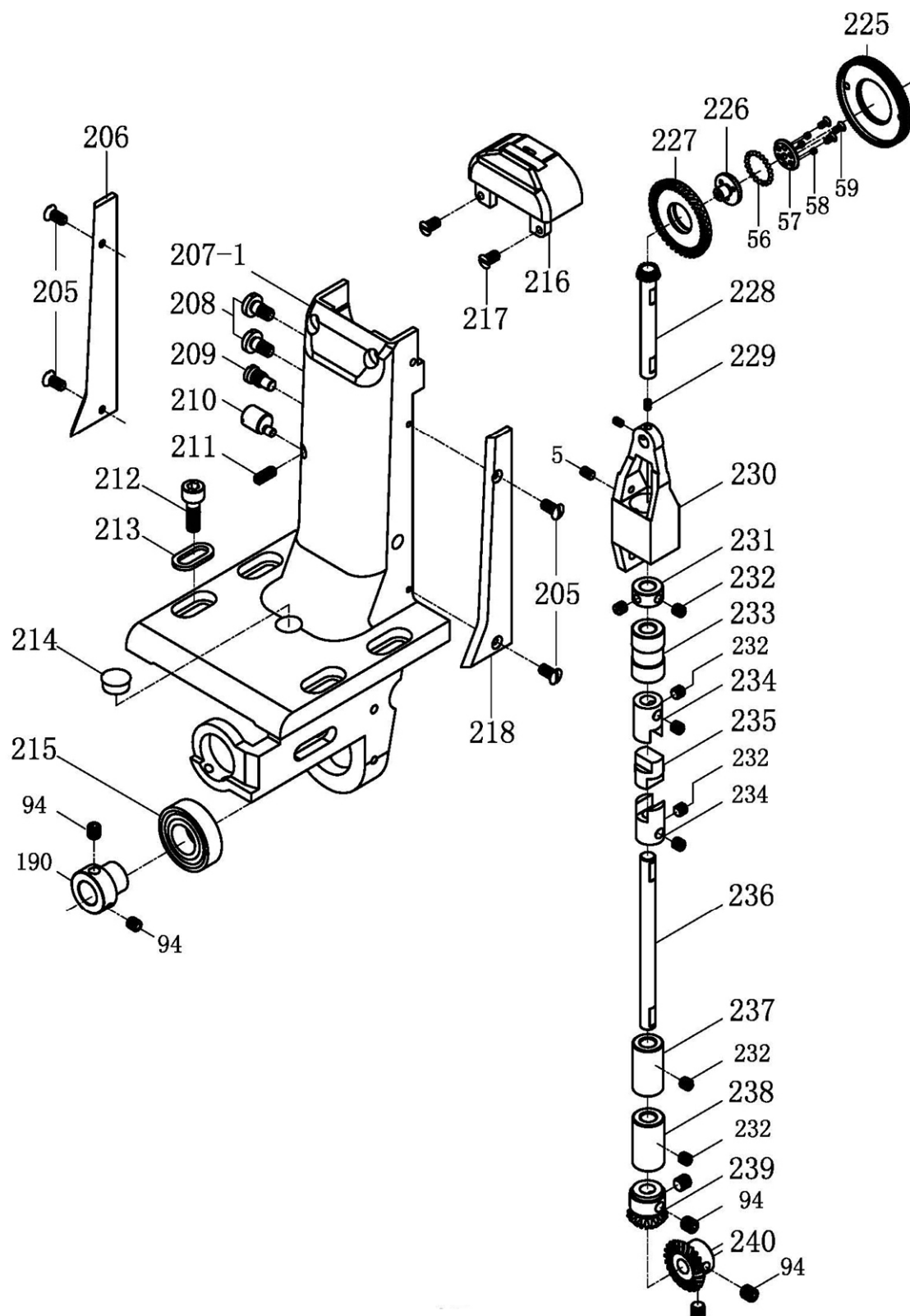
F.STITCH REGULATOR MECHANISM



F.STITCH REGULATOR MECHANISM

Ref.N0.	Name of part	Ref.N0.	Name of part
10#	Screw		
94#	Screw		
137#	Needle bearing		
160#	Pin		
195#	Shaft coupler(right)		
197#	Safty clutch assy.		
198#	C-ring		
199#	Shaft		
200#	Bearing cover		
201#	Ball bearing		
202#	Connecting rod		
203#	Cam assy.		
204A-1	Screw		
204A-2	Stitch adjusting plate		
204A-3	E-ring		
204A-4	Spring		
204A-5	Pin		
204A-6	Spring		
204A-7	Screw		
204A-8	Screw		
204A-9	Nut		
330#	Cam		

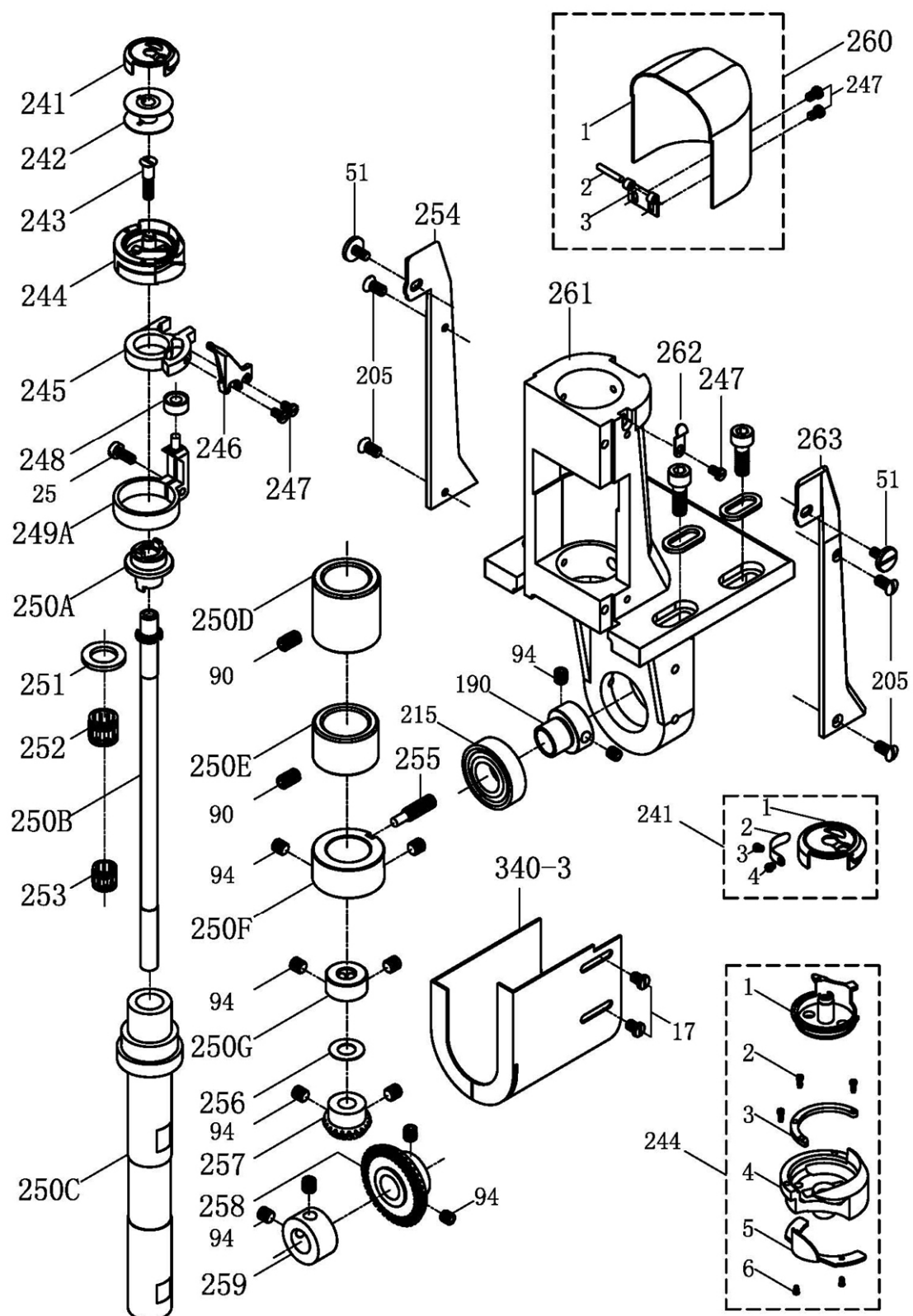
G.CENTRAL POST BED MECHANISM FOR SINGLE NEEDLE (HG9910-B)



G.CENTRAL POST BED MECHANISM FOR SINGLE NEEDLE (HG9910-B)

Ref.NO.	Name of part	Ref.NO.	Name of part
5#	Screw		
56#	Steel ball		
57#	Gear shaft(lower)		
58#	Screw		
59#	Screw		
94#	Screw		
190#	Collar		
205#	Screw		
206#	Cover plate		
207#	Post		
208#	Screw		
209#	Screw		
210#	Stud pin		
211#	Screw		
212#	Screw		
213#	Washer		
214#	Plug		
215#	Ball bearing		
216#	Needle plate		
217#	Screw		
218#	Cover plate		
225#	Feed wheel		
226#	Gear shaft(upper)		
227#	Bevel gear		
228#	Bevel gear shaft		
229#	Screw		
230#	Gear bracket		
231#	Collar		
232#	Screw		
233#	Bushing		
234#	Shaft coupler		
235#	Joint		
236#	Central post shaft		
237#	Bushing(upper)		
238#	Bushing(lower)		
239#	Bevel gear(small)		
240#	Bevel gear(medium)		

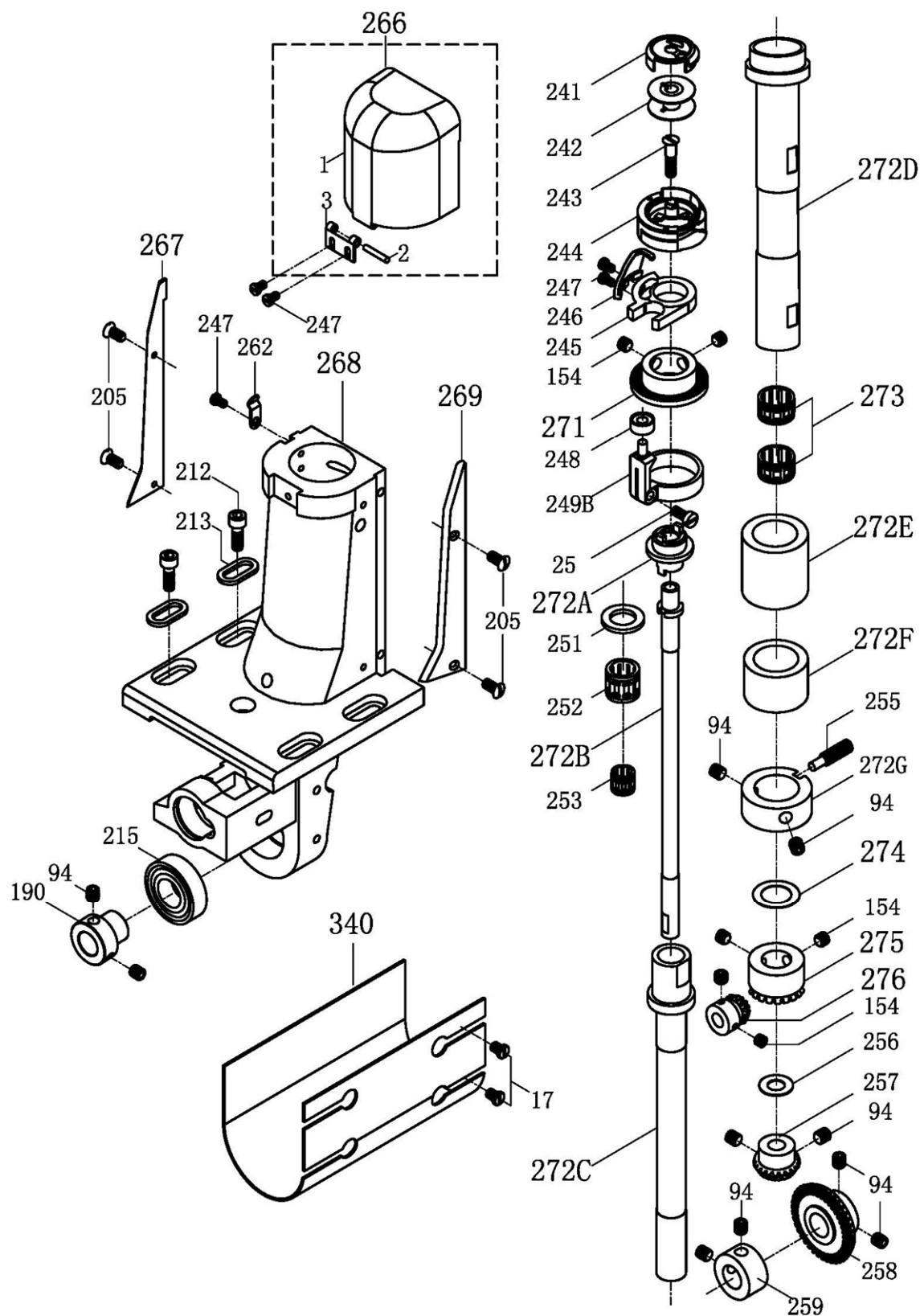
H.RIGHT POST BED MECHANISM (HG9910-B)



H.RIGHT POST BED MECHANISM (HG9910-B)

Ref.NO.	Name of part	Ref.NO.	Name of part
17#	Screw		
25#	Screw		
51#	Screw		
90#	Screw		
94#	Screw		
190#	Collar		
215#	Ball bearing		
241#	Bobbin case		
242#	Bobbin		
243#	Screw		
244#	Rotating hook		
245#	Hook opener bracket		
246#	Rotating hook opener		
247#	Screw		
248#	Ball bearing		
249A	Opener holder		
250A	Hook socket		
250B	Hook shaft		
250C	Bushing		
250D	Bushing(upper)		
250E	Bushing(lower)		
250F	Collar		
250G	Collar		
251#	Washer		
252#	Needle bearing		
253#	Needle bearing		
254#	Cover plate		
255#	Screw		
256#	Washer		
257#	Bevel gear(small)		
258#	Bevel gear(large)		
259#	Collar		
260#	Post cap assy.		
261#	Side bracket(right)		
262#	Spring plate		
263#	Cover plate		
340-3	Cover plate		

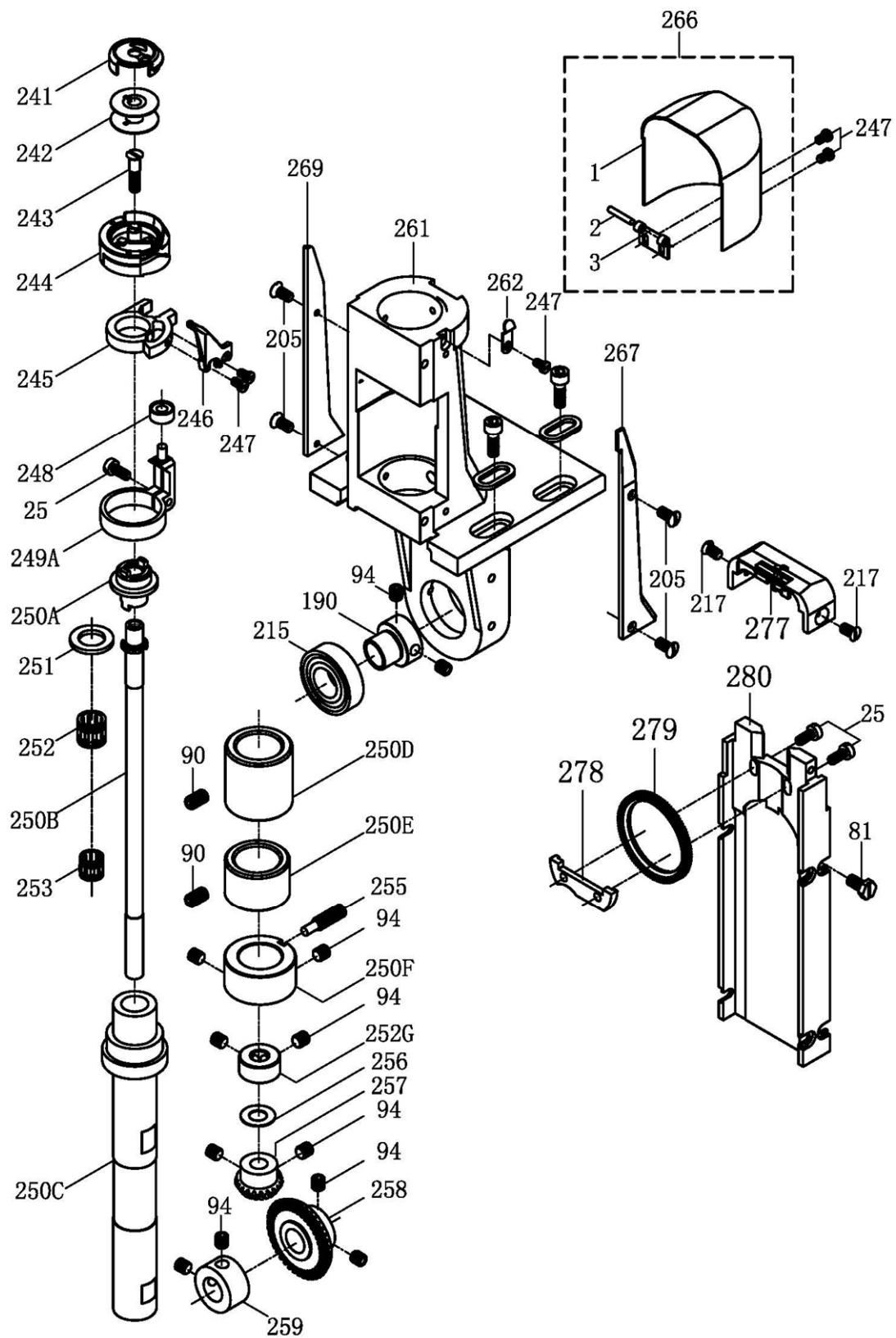
I.LEFT AND MIDDLE POST BED MECHANISM FOR TWO NEEDLE (HG9920-B)



I.LEFT AND MIDDLE POST BED MECHANISM FOR TWO NEEDLE (HG9920-B)

Ref.NO.	Name of part	Ref.NO.	Name of part
17#	Screw	276#	Bevel gear(small)
25#	Screw	340#	Cover plate
94#	Screw		
154#	Screw		
190#	Collar		
205#	Screw		
212#	Screw		
213#	Washer		
215#	Ball bearing		
241#	Bobbin case		
242#	Bobbin		
243#	Screw		
244#	Rotating hook		
245#	Hook opener bracket		
246#	Rotating hook opener		
247#	Screw		
248#	Ball bearing		
249B	Opener holder		
251#	Washer		
252#	Needle bearing		
253#	Needle bearing		
255#	Screw		
256#	Washer		
257#	Bevel gear(small)		
258#	Bevel gear(large)		
259#	Collar		
262#	Spring plate		
266#	Post cap assy.		
267#	Cover plate		
268#	Side bracket(left)		
269#	Cover plate		
271#	Gear		
272A	Hook socket		
272B	Hook shaft		
272C	Bushing		
272D	Out bushing		
272E	Bushing(upper)		
272F	Bushing(lower)		
272G	Collar		
273#	Needle bearing		
274#	Washer		
275#	Bevel gear(large)		

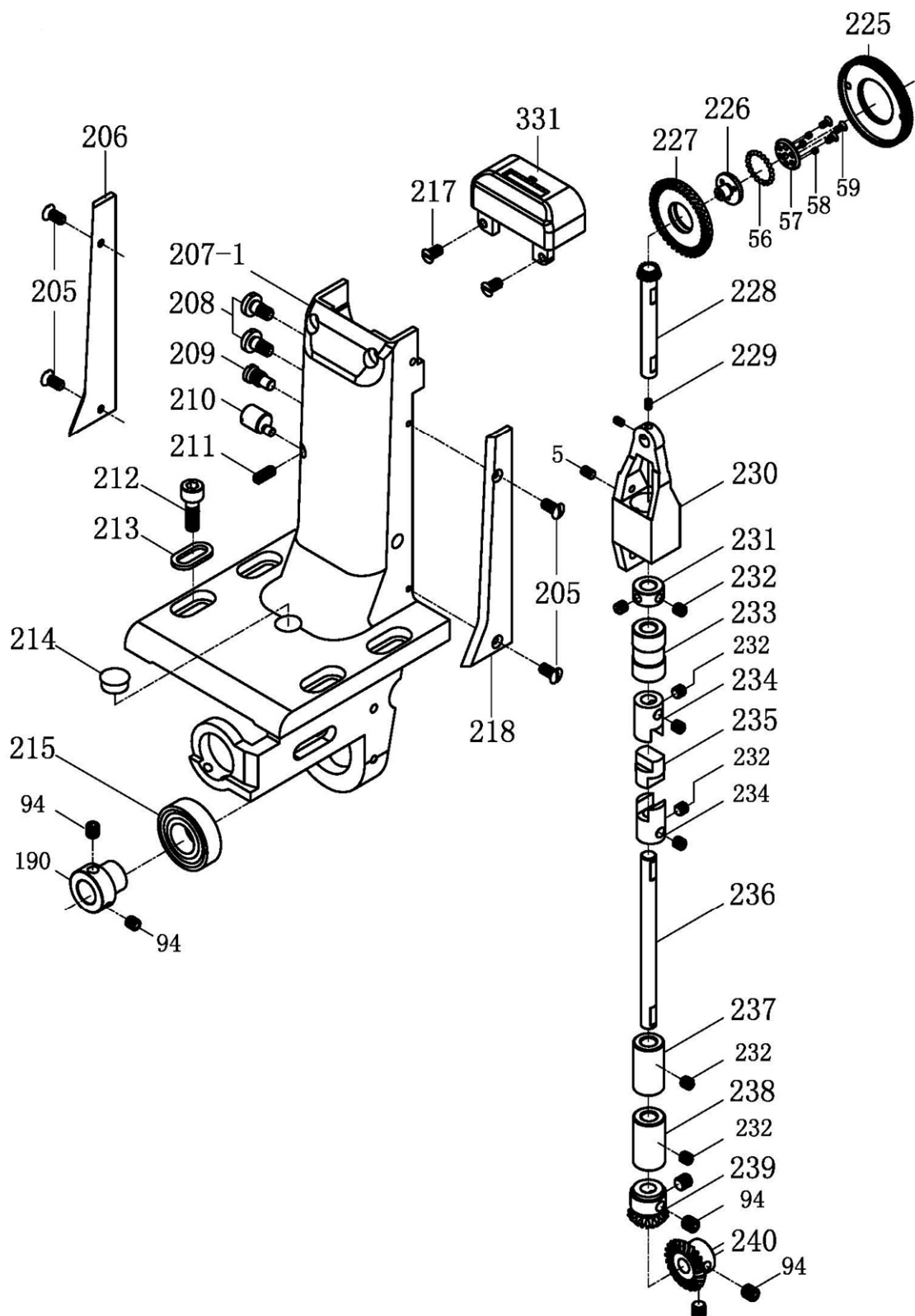
J.RIGHT POST BED MECHANISM (HG9920-B)



J.RIGHT POST BED MECHANISM (HG9920-B)

Ref.NO.	Name of part	Ref.NO.	Name of part
25#	Screw		
81#	Screw		
90#	Screw		
94#	Screw		
190#	Collar		
205#	Screw		
212#	Screw		
213#	Washer		
215#	Ball bearing		
217#	Screw		
241#	Bobbin case		
242#	Bobbin		
243#	Screw		
244#	Rotating hook		
245#	Hook opener bracket		
246#	Rotating hook opener		
247#	Screw		
248#	Ball bearing		
249A	Opener holder		
250A	Hook socket		
250B	Hook shaft		
250C	Bushing		
250D	Bushing(upper)		
250E	Bushing(lower)		
250F	Collar		
250G	Collar		
251#	Washer		
252#	Needle bearing		
253#	Needle bearing		
255#	Screw		
256#	Washer		
257#	Bevel gear(small)		
258#	Bevel gear(large)		
259#	Collar		
261#	Side bracket(right)		
262#	Spring plate		
266#	Post cap assy.		
267#	Cover plate		
269#	Cover plate		
278#	Fitting plate		
279#	Feed wheel		
280#	Central support		

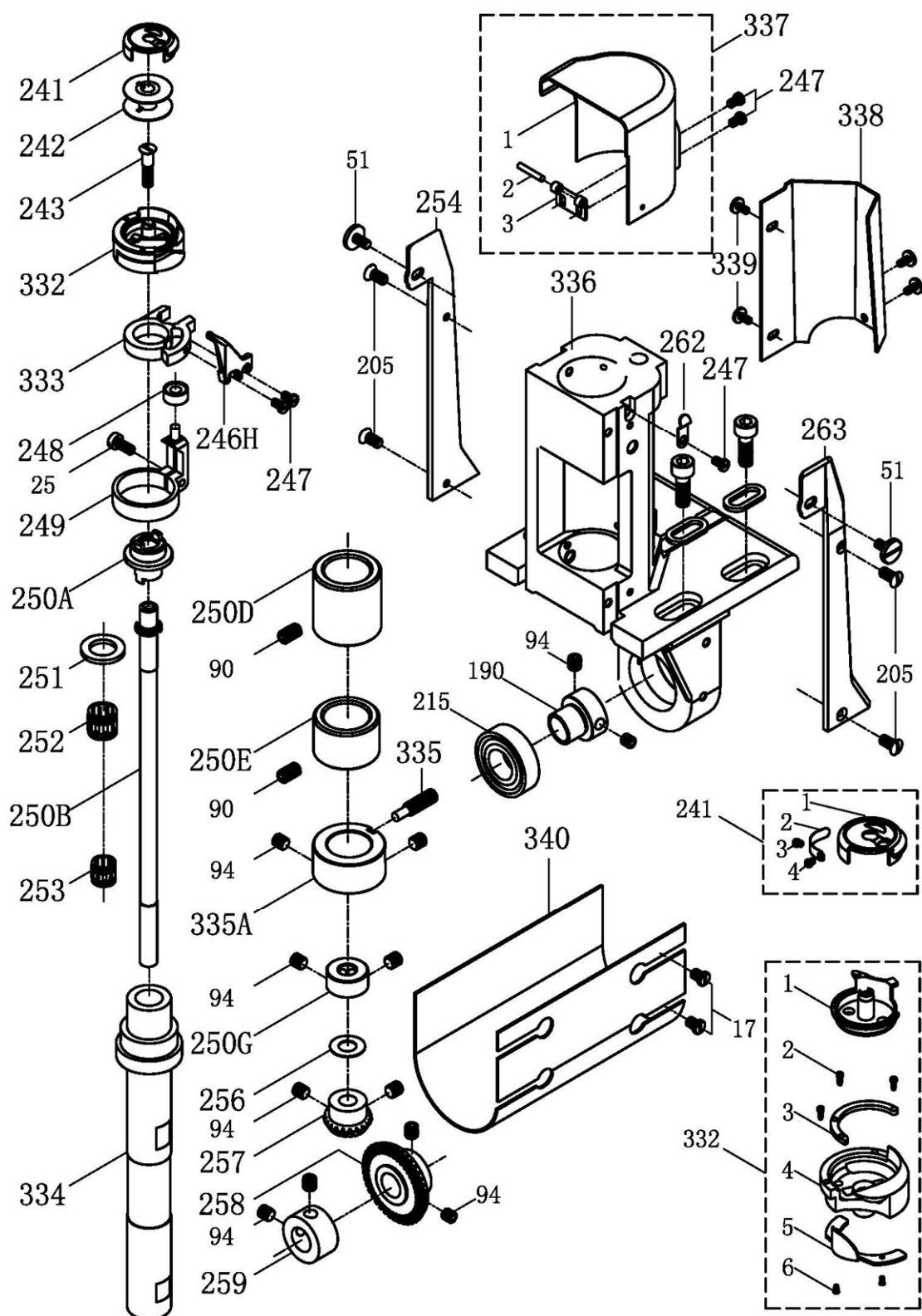
K.CENTRAL POST BED MECHANISM FOR SINGLE NEEDLE (HG9910-D2)



K.CENTRAL POST BED MECHANISM FOR SINGLE NEEDLE (HG9910-D2)

Ref.N0.	Name of part	Ref.N0.	Name of part
5#	Screw		
56#	Steel ball		
57#	Gear shaft(lower)		
58#	Screw		
59#	Screw		
94#	Screw		
205#	Screw		
206#	Cover plate		
207-1	Post		
208#	Screw		
209#	Screw		
210#	Stud pin		
211#	Screw		
212#	Screw		
213#	Washer		
214#	Plug		
215#	Ball bearing		
217#	Screw		
218#	Cover plate		
225#	Feed wheel		
226#	Gear shaft(upper)		
227#	Bevel gear		
228#	Bevel gear shaft		
229#	Screw		
230#	Gear bracket		
231#	Collar		
232#	Screw		
233#	Bushing		
234#	Shaft coupler		
235#	Joint		
236#	Central post shaft		
237#	Bushing(upper)		
238#	Bushing(lower)		
239#	Bevel gear(small)		
240#	Bevel gear(medium)		
331#	Needle plate		

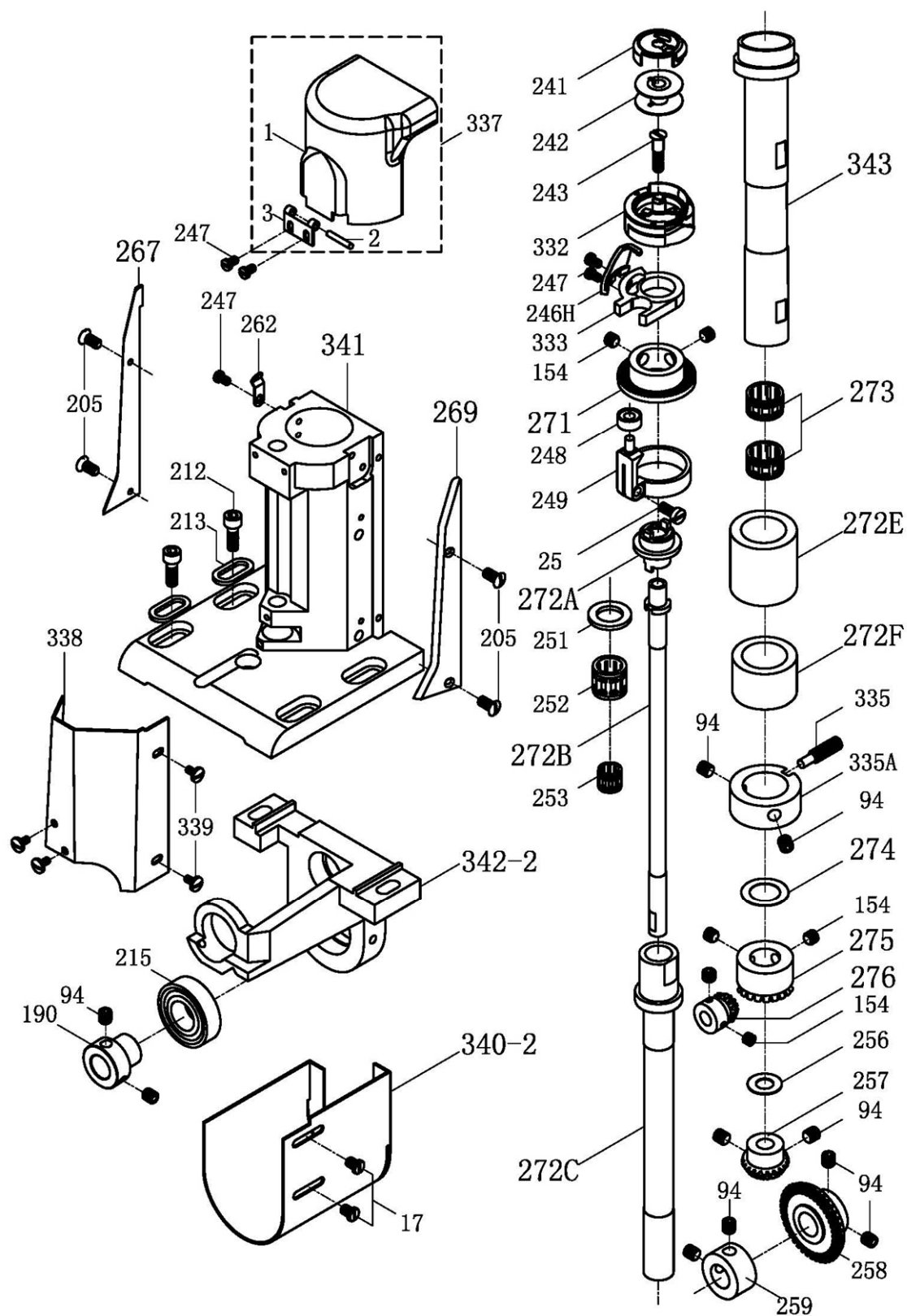
L.RIGHT POST BED MECHANISM (HG9910-D2)



L.RIGHT POST BED MECHANISM (HG9910-D2)

Ref.NO.	Name of part	Ref.NO.	Name of part
17#	Screw		
25#	Screw		
51#	Screw		
90#	Screw		
94#	Screw		
190#	Collar		
205#	Screw		
215#	Ball bearing		
241#	Bobbin case		
242#	Bobbin		
243#	Screw		
246H	Rotating hook opener		
247#	Screw		
248#	Ball bearing		
249#	Opener holder		
250A	Hook socket		
250B	Hook shaft		
250D	Bushing(upper)		
250E	Bushing(lower)		
250G	Collar		
251#	Washer		
252#	Needle bearing		
253#	Needle bearing		
254#	Cover plate		
256#	Washer		
257#	Bevel gear(small)		
258#	Bevel gear(large)		
259#	Collar		
262#	Spring plate		
263#	Cover plate		
332#	Rotating hook		
333#	Hook opener bracket		
334#	Bushing		
335A	Collar		
336#	Side bracket(right)		
337#	Post cap assy.		
338#	Cover plate		
339#	Screw		
340#	Cover plate		

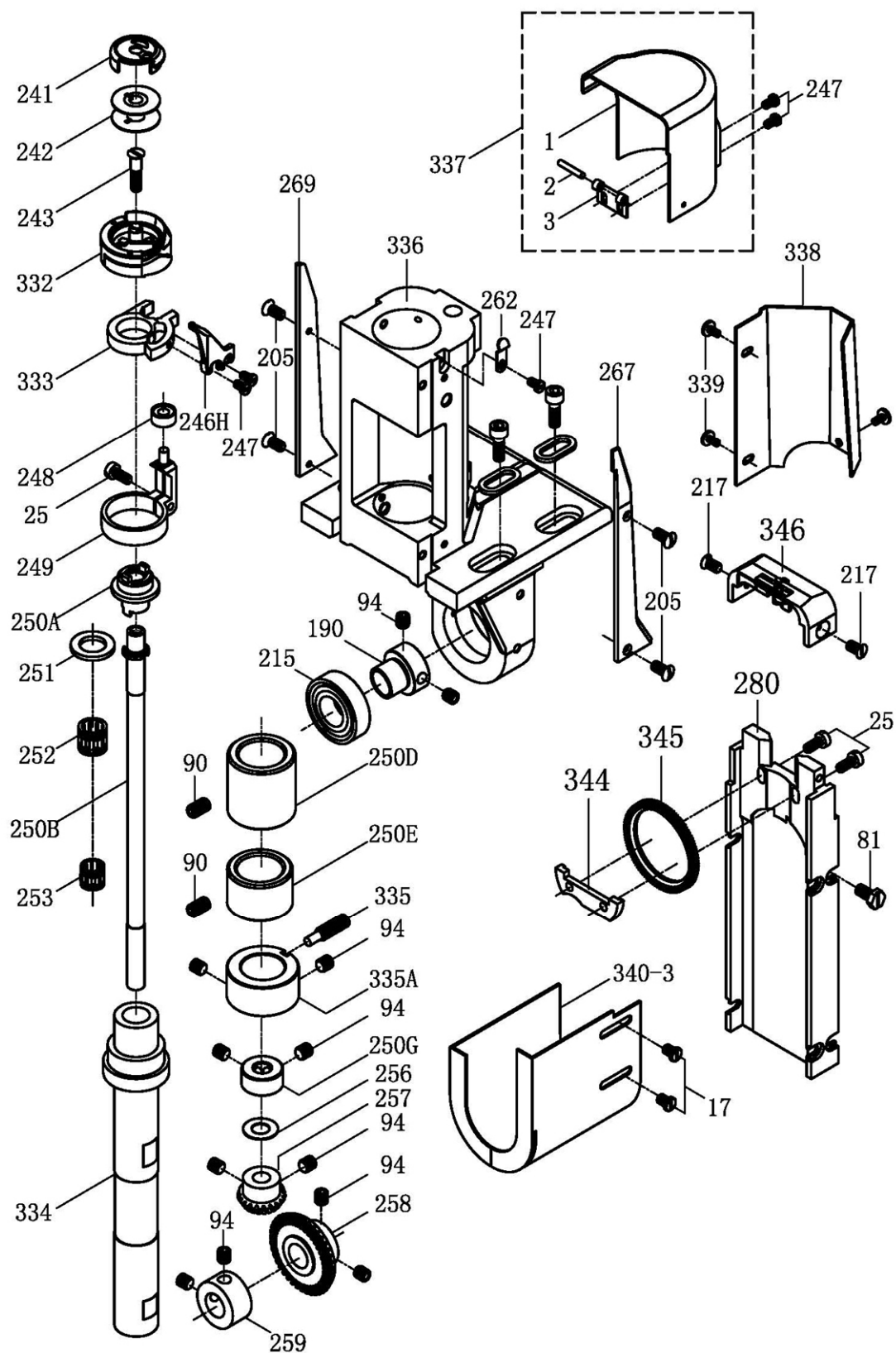
M.LEFT POST MECHANISM FOR SINGLE NEEDLE (HG9920-D2)



M.LEFT POST MECHANISM FOR SINGLE NEEDLE (HG9920-D2)

Ref.NO.	Name of part	Ref.NO.	Name of part
17#	Screw	343#	Out bushing
25#	Screw		
94#	Screw		
154#	Screw		
190#	Collar		
205#	Screw		
212#	Screw		
213#	Washer		
215#	Ball bearing		
241#	Bobbin case		
242#	Bobbin		
243#	Screw		
246H	Rotating hook opener		
247#	Screw		
248#	Ball bearing		
249#	Opener holder		
251#	Washer		
252#	Needle bearing		
253#	Needle bearing		
256#	Washer		
257#	Bevel gear(small)		
258#	Bevel gear(large)		
259#	Collar		
262#	Spring plate		
267#	Cover plate		
269#	Cover plate		
271#	Gear wheel		
272A	Hook socket		
272B	Hook shaft		
272C	Bushing		
272E	Bushing(upper)		
272F	Bushing(lower)		
332#	Rotating hook		
333#	Hook opener bracket		
335#	Screw		
335A	Collar		
337#	Post cap assy.		
338#	Cover plate		
339#	Screw		
340-2	Cover plate		
341#	Side bracket(left)		
342-2	Thread cutting bracket		

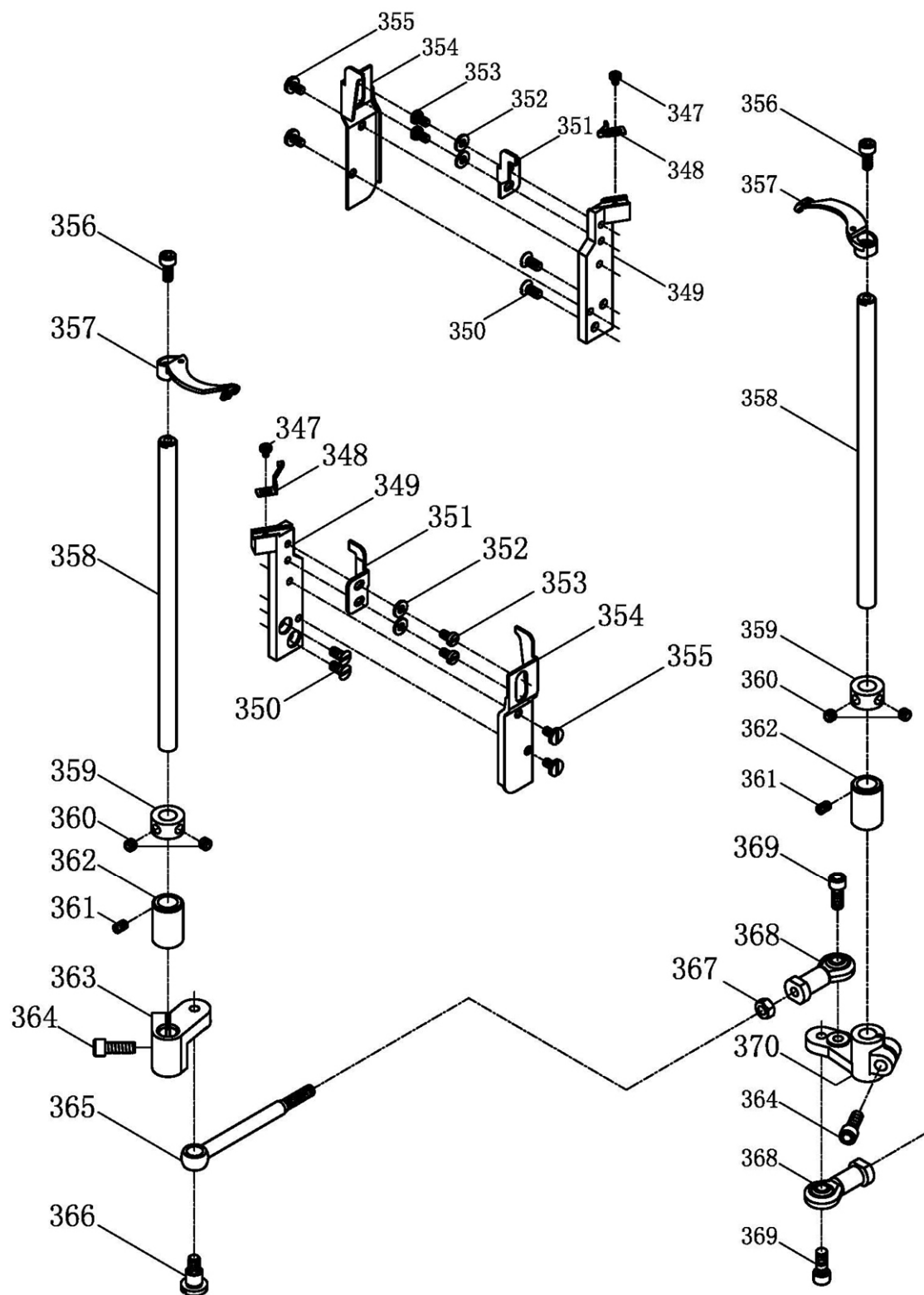
N.RIGHT POST BED MECHANISM (HG9920-D2)



N.RIGHT POST BED MECHANISM (HG9920-D2)

Ref.NO.	Name of part	Ref.NO.	Name of part
17#	Screw	340-3	Cover plate
25#	Screw	344#	Fitting plate
81#	Screw	345#	Feed wheel
90#	Screw		
94#	Screw		
190#	Collar		
205#	Screw		
212#	Screw		
213#	Washer		
215#	Ball bearing		
217#	Screw		
241#	Bobbin case		
242#	Bobbin		
243#	Screw		
246#	Rotating hook opener		
247#	Screw		
248#	Ball bearing		
249#	Opener holder		
250A	Hook socket		
250B	Hook shaft		
250D	Bushing(upper)		
250E	Bushing(lower)		
250G	Collar		
251#	Washer		
252#	Needle bearing		
253#	Needle bearing		
256#	Washer		
257#	Bevel gear(small)		
258#	Bevel gear(large)		
259#	Collar		
262#	Spring plate		
267#	Cover plate		
269#	Cover plate		
280#	Central support		
333#	Hook opener bracket		
334#	Out bushing		
335#	Screw		
335A	Collar		
336#	Side bracket(right)		
337#	Post cap assy.		
338#	Cover plate		
339#	Screw		

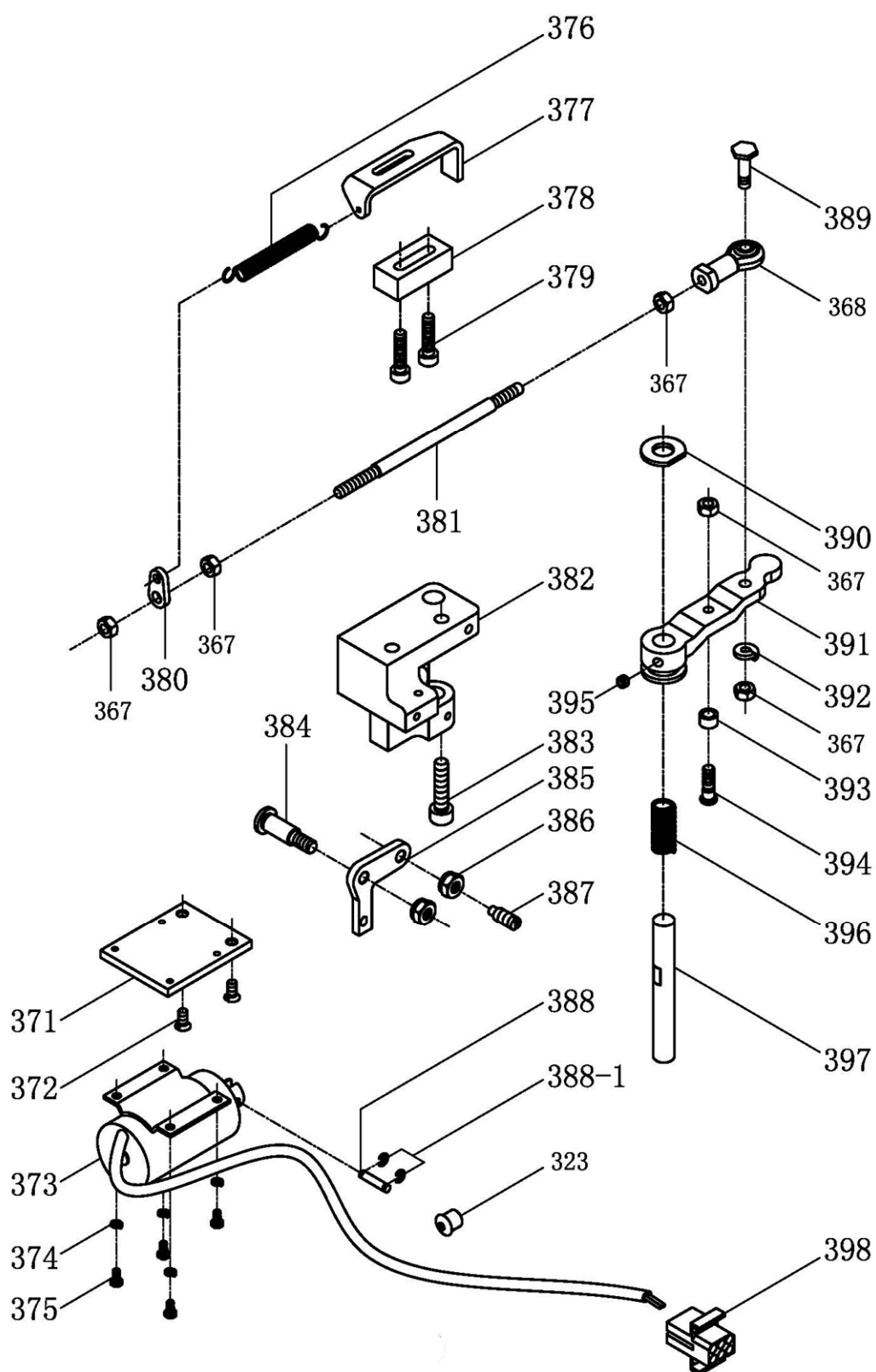
P.KNIFE ACTUATING MECHANISM(1) (HG9910-D2/HG9920-D2)



P.KNIFE ACTUATING MECHANISM(1) (HG9910-D2/HG9920-D2)

Ref.N0.	Name of part	Ref.N0.	Name of part
347#	Screw		
348#	Spring plate		
349#	Fixed plate		
350#	Screw		
351#	Fixed blade		
352#	Washer		
353#	Screw		
354#	Cover board		
355#	Screw		
356#	Screw		
357#	Moved knife		
358#	Shaft		
359#	Collar		
360#	Screw		
361#	Screw		
362#	Bushing		
363#	Crank		
364#	Screw		
365#	Link		
366#	Screw		
367#	Nut		
368#	Connecting bar		
369#	Screw		
370#	Crank		

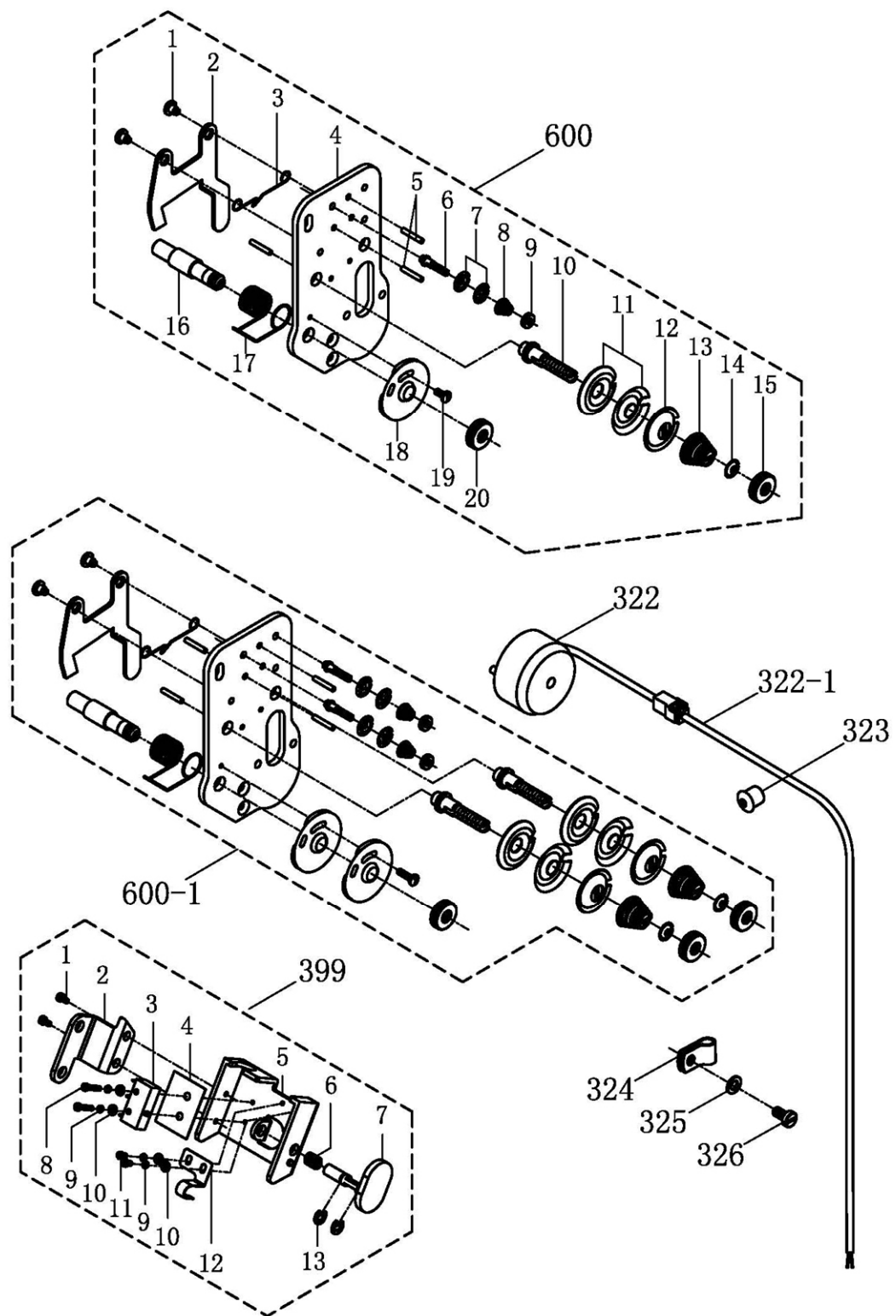
P.KNIFE ACTUATING MECHANISM(2) (HG9910-D2/HG9920-D2)



P.KNIFE ACTUATING MECHANISM(2) (HG9910-D2/HG9920-D2)

Ref.NO.	Name of part	Ref.NO.	Name of part
323#	Rubber plug		
367#	Nut		
368#	Connecting bar1		
371#	Fixed plate		
372#	Screw		
373#	Electromagnetism valve		
374#	Washer		
375#	Screw		
376#	Spring bracket		
377#	Fitting bracket		
378#	Stopper block		
379#	Screw		
380#	Spring plate		
381#	Connecting bar2		
382#	Set plate		
383#	Screw		
384#	Screw		
385#	Crank		
386#	Nut		
387#	Screw		
388#	Pin		
388-1#	E-ring		
389#	Screw		
390#	Rubber washer		
391#	Crank		
392#	Spring washer		
393#	Slide roller		
394#	Screw		
395#	Screw		
396#	Spring		
397#	Crank shaft		
398#	Socket		

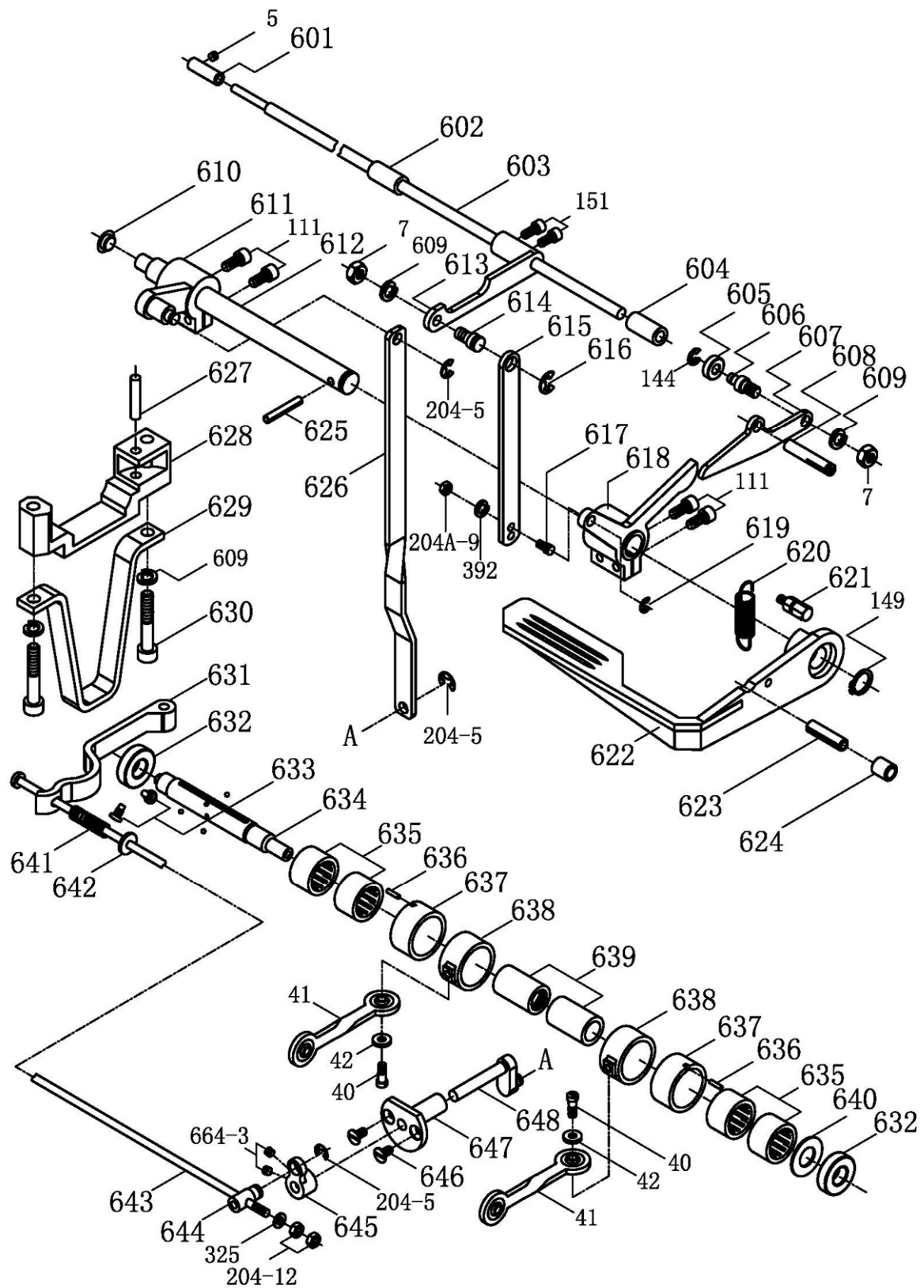
Q.THREAD TENSION MECHANISM (HG9910-D2/HG9920-D2)



Q.THREAD TENSION MECHANISM (HG9910-D2/HG9920-D2)

Ref.N0.	Name of part	Ref.N0.	Name of part
322#	Electromagnetism valve		
322-1	Power wire		
323#	Rubber plug		
324#	Fixed clip		
325#	Washer		
326#	Screw		
339-1	Screw		
339-2	Plate for switch		
339-3	Micro switch		
339-4	Insulator set		
339-5	Bracket for switch		
339-6	Spring		
339-7	Push button		
339-8	Screw		
339-9	Spring washer		
339-10	Spring washer		
339-11	Screw		
339-12	Spring plate		
339-13	E-ring		
600#	Thread tension regulator assy.		
600-1	Thread tension regulator assy.		

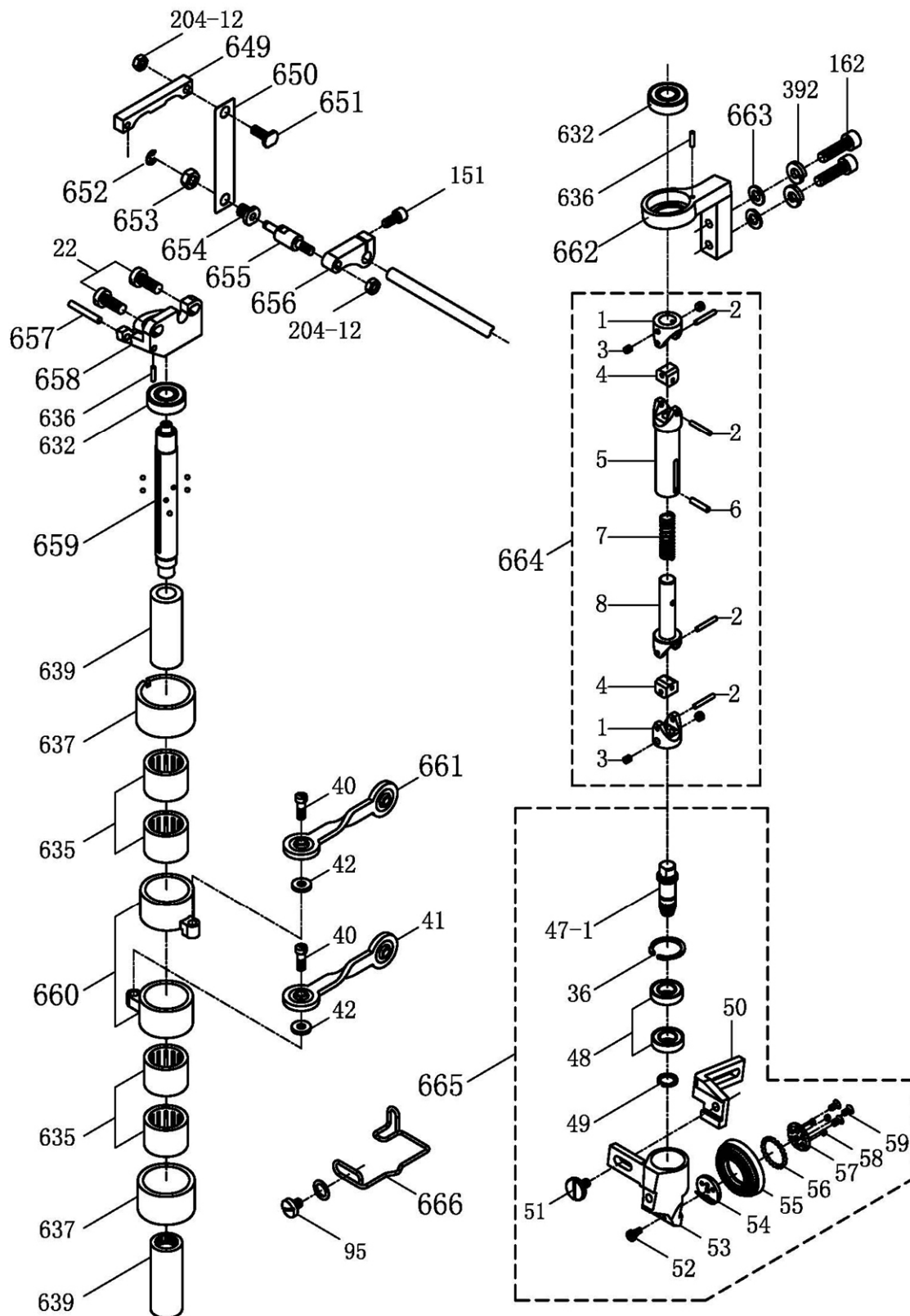
R.BACKSTITCH MECHANISM (1)



R.BACKSTITCH MECHANISM (1)

Ref.NO.	Name of part	Ref.NO.	Name of part
5#	Screw	631#	Promote backstitch plate
7#	Nut	632#	Bearing
40#	Screw	633#	Screw
41#	Link	634#	Reverse shaft assy.
42#	Washer	635#	Unilateral bearing
111#	Screw	636#	Pin
144#	E-ring	637#	Bushing
151#	Screw	638#	Bushing
204-5	E-ring	639#	Unilateral bearing
204A-9	Nut	640#	Washer
204-12	Nut	641#	Spring
325#	Washer	642#	Washer
601#	Bushing	643#	Shaft
602#	Bushing	644#	Tie-in
603#	Shaft	645#	Linker
604#	Bushing	646#	Screw
605#	Roller	647#	Fitting bracket
606#	Ball shaft	648#	Brace
607#	Presser foot bar riser		
608#	Pin		
609#	Spring washer		
610#	Rubber plug		
611#	Backstitch bar		
612#	Reverse stitch shaft		
613#	Link		
614#	Screw		
615#	Gusset plate		
616#	E-ring		
617#	Screw		
618#	Backstitch swap device		
619#	E-ring		
620#	Spring		
621#	Screw		
622#	Handgrip		
623#	Spring pin		
624#	Flexible pipe		
625#	Spring pin		
626#	Link		
627#	Pin		
628#	Base		
629#	Bracket		
630#	Screw		

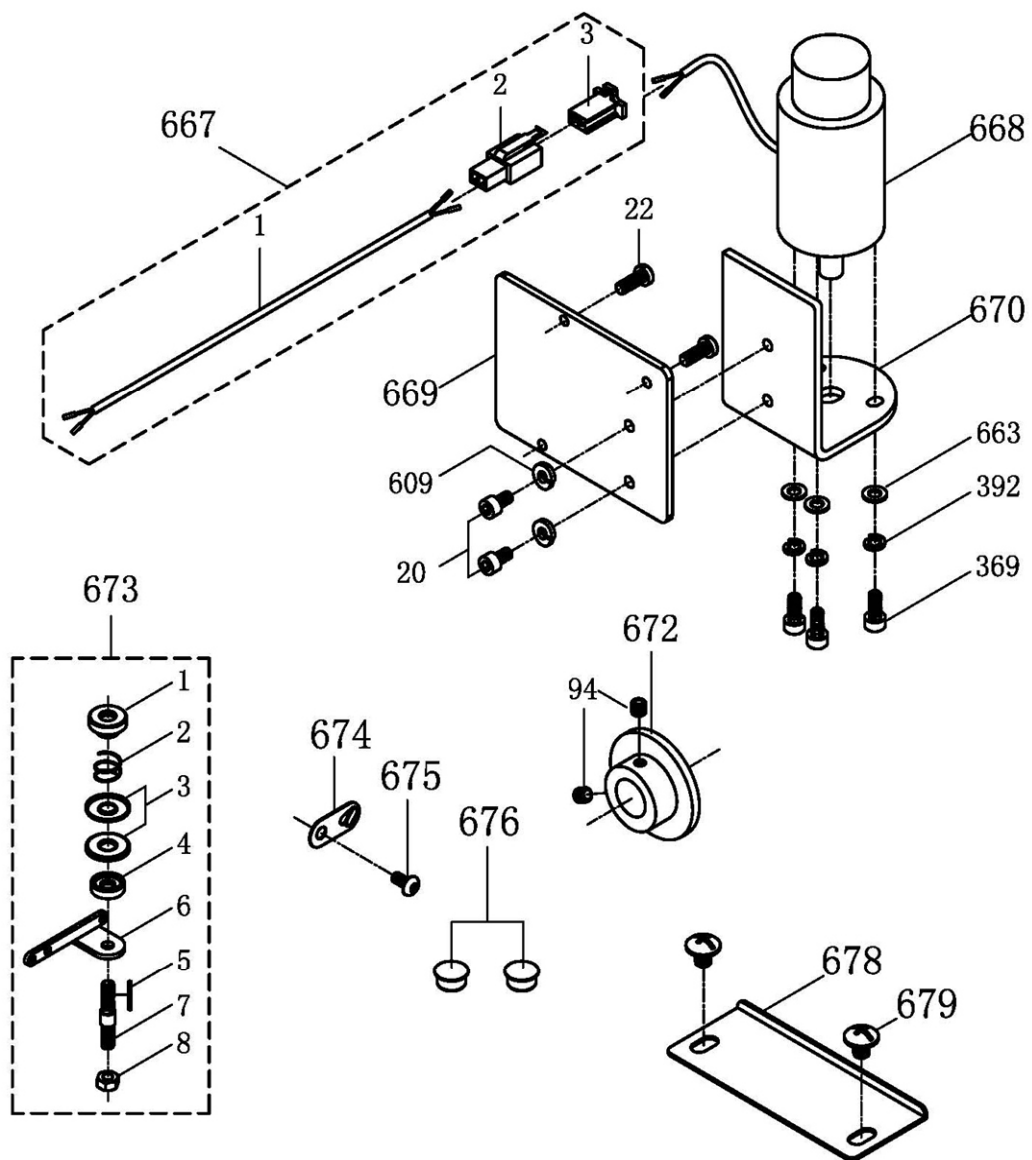
R.BACKSTITCH MECHANISM (2)



R.BACKSTITCH MECHANISM (2)

Ref.N0.	Name of part	Ref.N0.	Name of part
22#	Screw		
40#	Screw		
41#	Link		
42#	Washer		
95#	Screw		
151#	Screw		
204-12	Nut		
632#	Bearing		
635#	Bearing		
636#	Pin		
637#	Bushing		
639#	Bushing		
649#	Pressing plate		
650#	Drawing board		
651#	Shaft		
652#	E-ring		
653#	Nut		
654#	Screw		
655#	Shaft		
656#	Backstitch rod axis lock		
657#	Pin		
658#	Reverse stitch bracket(upper)		
659#	Reverse stitch shaft assy.		
660#	Bushing		
661#	Link		
662#	Reverse stitch bracket(lower)		
663#	Washer		
664#	Universal coupling		
665#	Roller presser assy.		
666#	Ring finger protection circle		

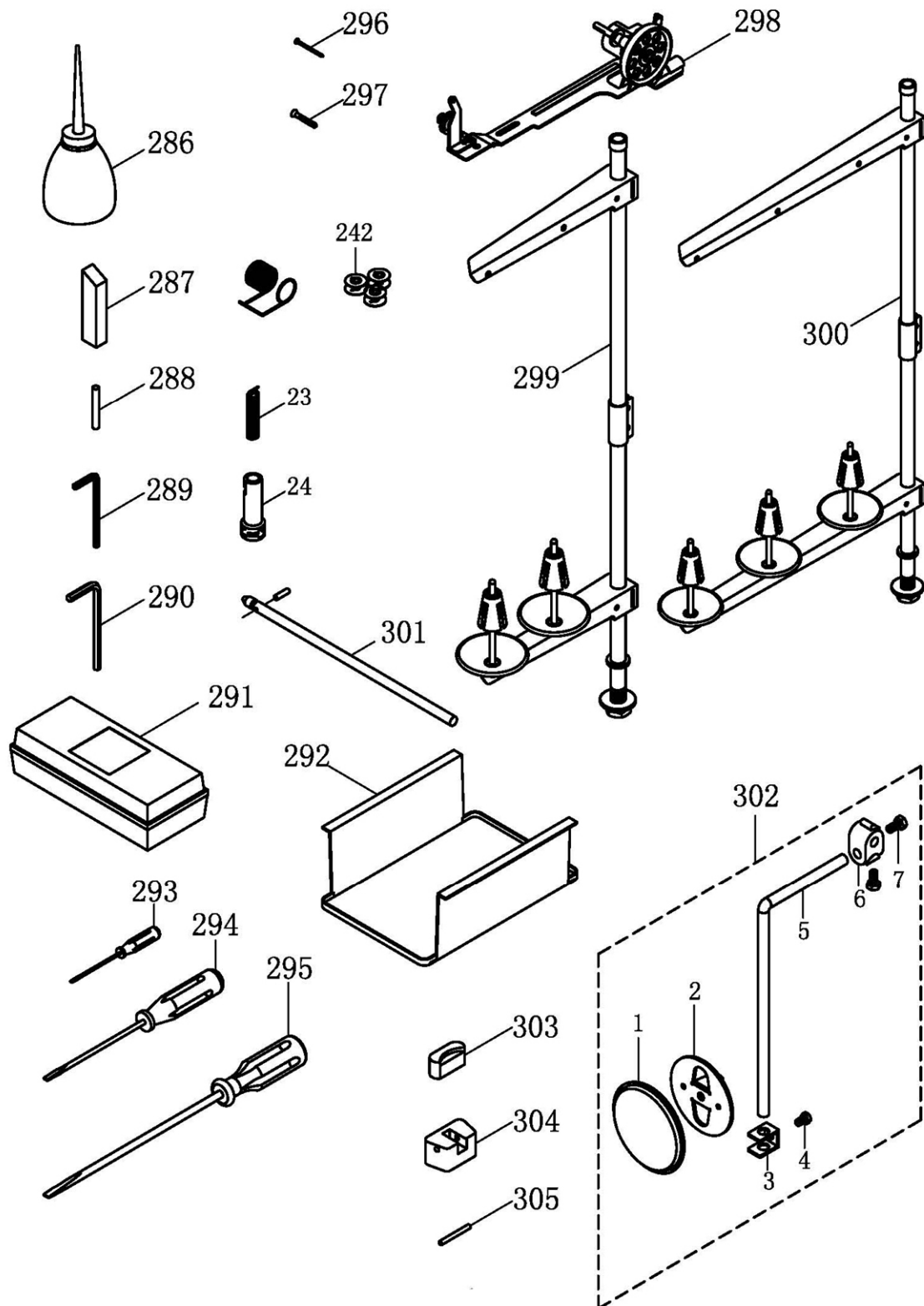
S.BACKSTITCH MECHANISM (HG9910-D2/HG9920-D2)



S.BACKSTITCH MECHANISM (HG9910-D2/HG9920-D2)

Ref.N0.	Name of part	Ref.N0.	Name of part
20#	Screw		
22#	Screw		
94#	Screw		
369#	Screw		
392#	Spring washer		
667#	Power wire		
668#	Electromagnetism valve for touch back		
669#	Cover		
670#	Bracket		
678#	Cover		
679#	Screw		

T.ACCESSORIES



T.ACCESSORIES

Ref.N0.	Name of part	Ref.N0.	Name of part
23#	Spring		
24#	Knee lifter coupling		
286#	Oiler		
287#	Machine rest		
288#	Knighthead		
289#	Spanner(3mm)		
290#	Spanner(4mm)		
291#	Box		
292#	Oil pan		
293#	Screw driver(small)		
294#	Screw driver(medium)		
295#	Screw driver(large)		
296#	Nail		
297#	Screw		
298#	Bobbin winder		
299#	Thread stand(2-pin)		
300#	Thread stand(3-pin)		
301#	Knee lifter rod		
302#	Knee lifter assy.		
303#	Rubber cushion		
304#	Vibration preventing rubber		
305#	Pin		

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