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## 1. Brief instruction

This series machines adopt compound feed mechanism with large amount of alternating presser foot lifter which assures the sewing capability of hard materials the worktable of the small type of cylinder enlarges the working space.

These machine are widely used in manufacturing clothes, bags, leather products and trimming of the shoe, cushion and suitcase.

## 3. Stitch length adjustment / reverse stitching (Fig.1)

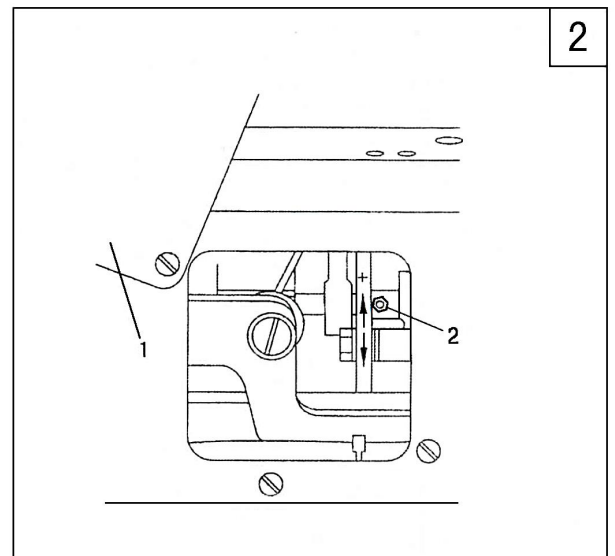
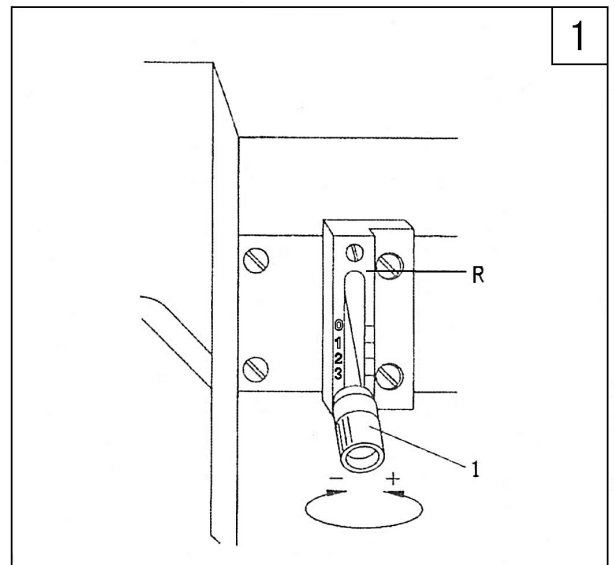
1. Adjust the stitch length by turning nut 1;
2. When reverse sewing, push nut 1 to mark R as much as possible.

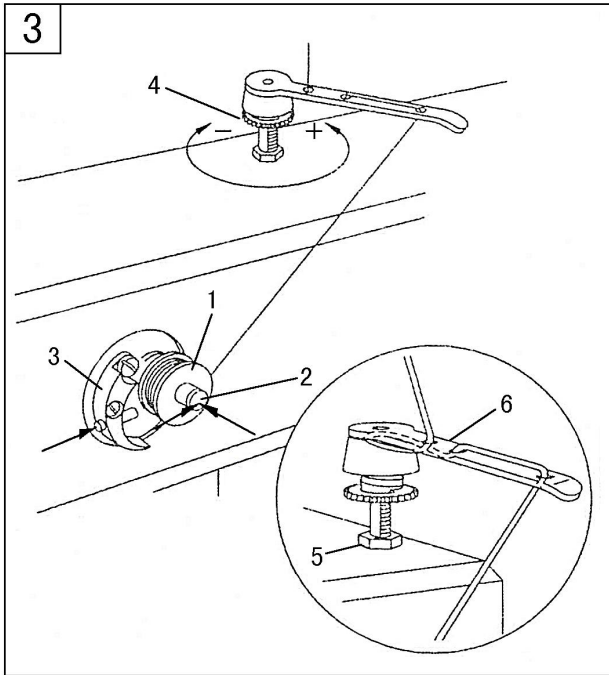
## 4. Adjusting the lifting amount of the presser foot (Fig.2)

Open the rear cover 1, loosen screw 2, and move it up and down as required.

## 2. Main specifications

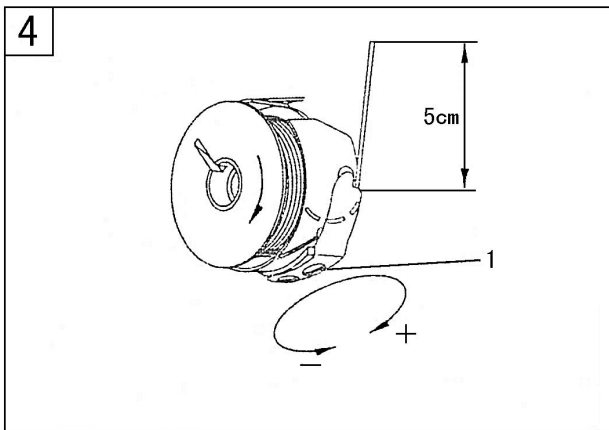
The scope of application	Medium and heavy materials
Max. sewing speed	2400s. p. m
Max. Stitch length	6 mm
Needle bar stroke	33.4mm
Presser foot lift height	10mm by hand, 14mm by knee
Max. lifting amount of presser foot	6mm
Needle	DP×17 14 <sup>#</sup> ~18 <sup>#</sup>
Cylinder diameter	Φ46.5mm
Lubrication	Filling oil by hand
Motor power	850 W (direct drive motor)





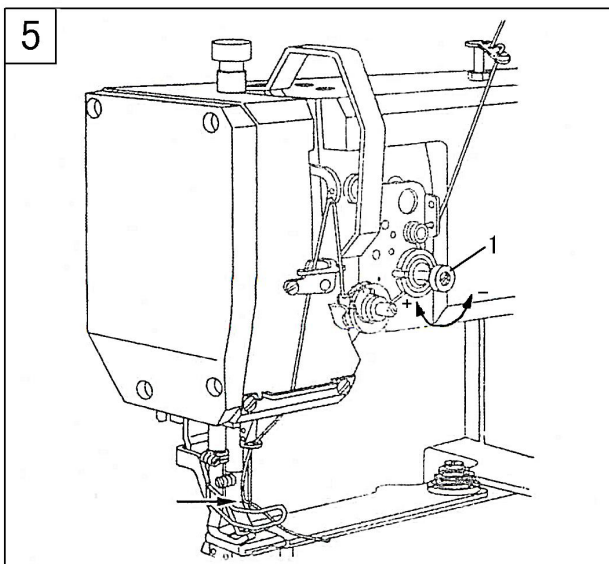
### 5. Winding the bobbin thread (Fig.3)

1. Put the bobbin into the bobbin shaft 2;
  2. As Fig.3 shows, draw out the thread and winding clockwise to the bobbin several times;
  3. Before winding, press down the winding shaft 2 and the hook gib 3;
  4. Adjusting the bobbin 1 thread tension by the screw 4;
  5. When the bobbin is full, the bobbin winder will automatically stop.
- If the winding is abnormal, loosen the screw 5, and as required, move the thread guide 6, then tighten the screw 5.



### 6. Adjusting the bobbin thread tension (Fig.4)

1. Draw out the bobbin thread;
- ※ When the bobbin thread is drawn out, the bobbin should run as the arrow goes.
2. Adjusting the bobbin thread tension by screw 1.



### 7. Threading the needle thread / adjusting the tension of the needle thread (Fig.5)

1. Threading as the Fig shows;
- ※ Pass the thread to the eye of the needle from the left (Fig. Arrow)
2. Adjusting the needle thread tension by the screw 1.



## 8. Maintenance

Clean the rotating hook clearance	Once a day
Normal oiling	Twice a week
Front parts oiling	Twice a week
Check the oil box	Once a week
Clean the rotating hook	Once a week
Upper feed driving eccentric oiling	Once a year

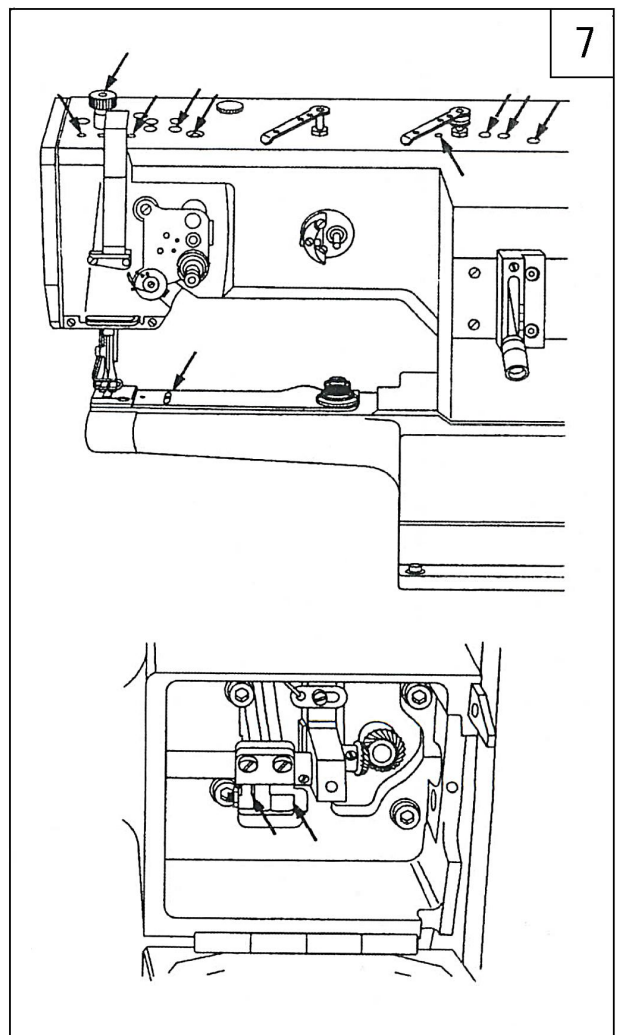
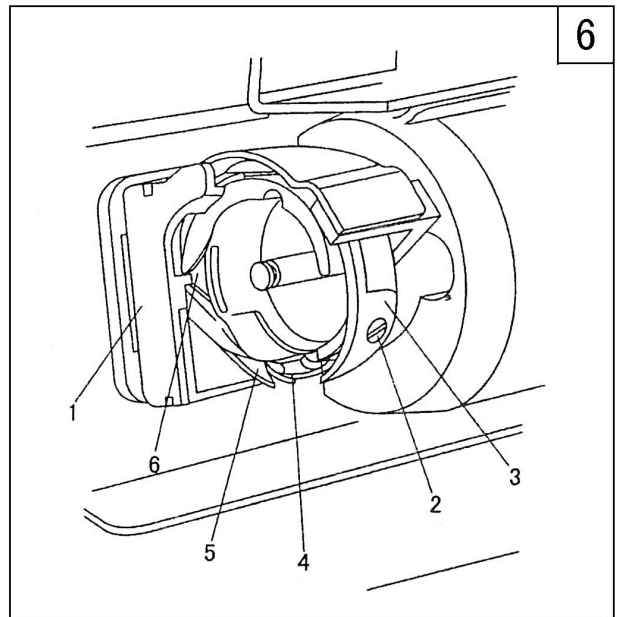
※ The above data is due to the normal situation.  
If the machine is used frequently, the interval of the maintenance should be shortened.

### Maintenance for rotating hook (Fig.6)

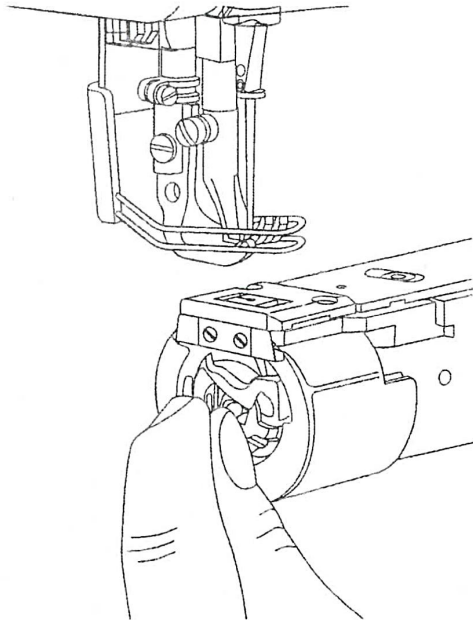
1. Clean the rotating hook with brush every day, and constant use needs more frequent cleaning.
2. Clean the rotating hook thoroughly every week. As follows:
  - a. Open the cover plate and lift the needle bar to its highest point;
  - b. Take out the bobbin case and the bobbin;
  - c. Release the position block 1;
  - d. Loosen the screw 2 and take out the hook point;
  - e. Turn the balance wheel until the point 4 and 5 reach at the same height;
  - f. Take out the rotating hook and clean it with oil.
  - g. Installation is a reverse process. Make sure that the position block 1 is in the groove 6;
  - h. Close the cover plate.

## 9. Oiling (Fig.7)

The machine must be oiled at the mark(arrow) twice a week.

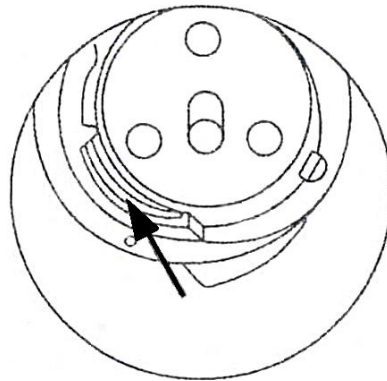


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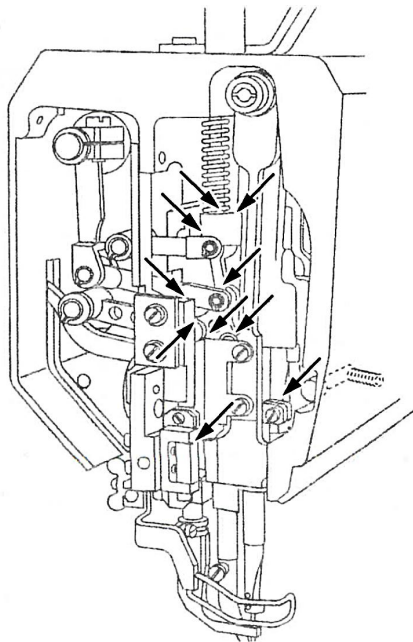


### 10. Lubricating the rotating hook ( Fig.8 )

1. Take out the bobbin case;
2. Oil the mark (arrow) with one or two drops every day;
3. Insert the bobbin case.



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### 11. Lubricating the machine head ( Fig.9 )

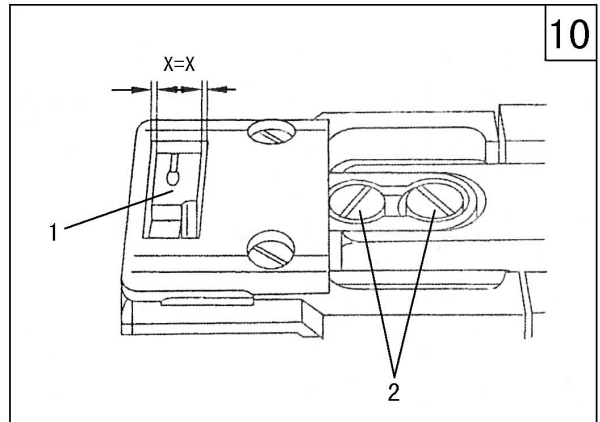
1. Loosen the face plate;
2. Oil the moving parts as the fig shows twice a week;
3. Install the face plate.

## 12. Adjusting the feed dog

1. Positioning the feed dog in the direction of sewing (Fig.10)

- a. Loosen the screw 2;
- b. Adjusting the feed dog 1 as required;
- c. Tighten the screw 1;

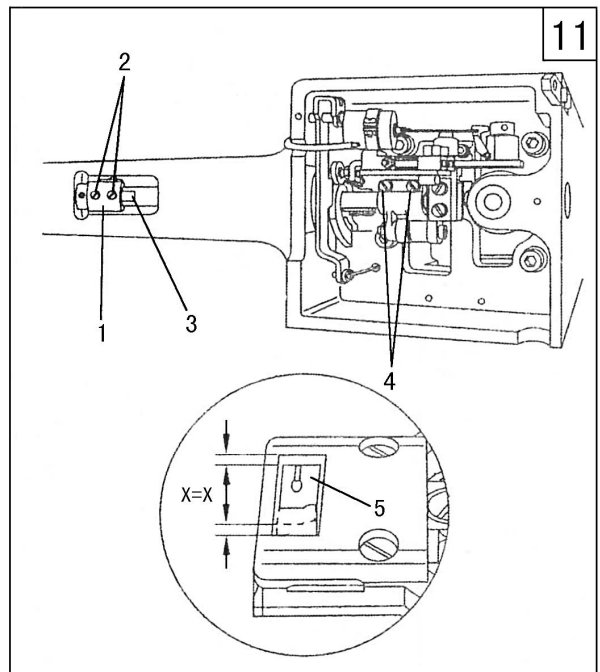
※ The feed dog must be of the same distance from the left and the right of the needle plate groove.



2. Positioning the feed dog in the direction of sewing (Fig.11)

- a. Set it to the max. Stitch length;
- b. Loosen the screw 2 to turn the crank 1 to the left; tighten the screw 2 until it prop up the surface 3 of the shaft;
- c. Loosen the screw 4;
- d. Move the feed dog as required;
- e. Tighten the screw 4.

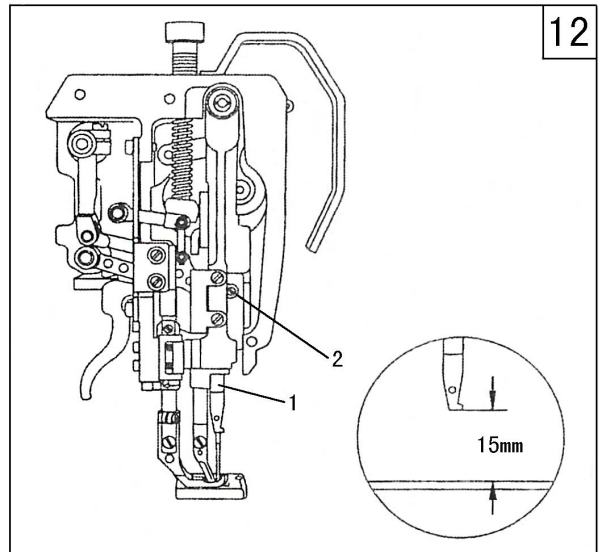
※ When the stitch length is at the max, the front and the rear clearance between the feed dog and the needle plate groove should be the same.



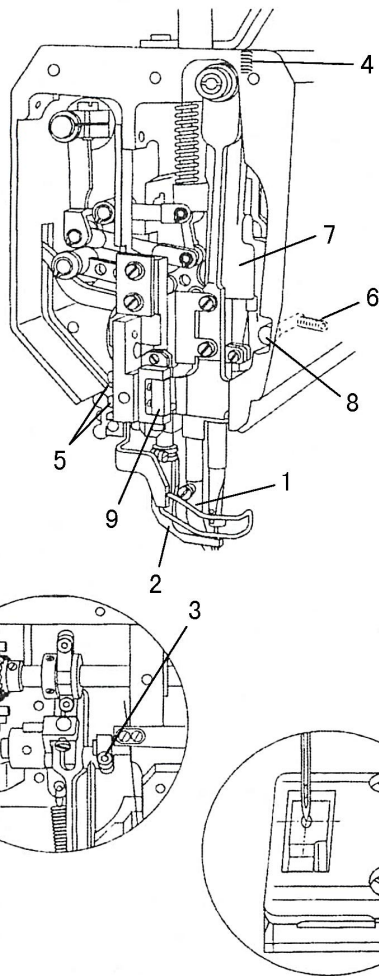
## 13. Pre-adjusting the needle height (Fig.12)

Move the needle bar (1) (by screw 2) up and down, and as required, adjust it to the right position.

※ When the needle bar is at its lowest position, the clearance between the needle plate and the needle bar should be 15mm.



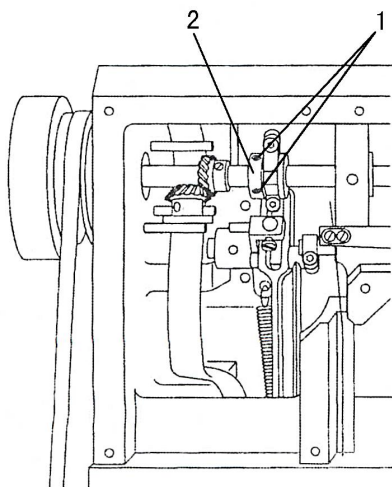
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**14. Adjusting the position of the needle and the needle hole ( Fig.13 )**

1. Loosen the rock shaft 1 and the presser foot 2;
  2. Adjust the stitch length to "0", and lift the needle bar to its highest position.
  3. Insert a new needle, and loosen the screw 3,4,5,6;
  4. Turn the balance wheel and pass the needle directly through the feed dog;
  5. Move the needle bar frame 7 as required;
  6. Tighten the screw 3,4,5;
  7. Move the position pin 8 to make it touch the needle bar frame 7, and tighten the screw 6.
- ※ When the stitch length is at the "0", the needle must enter the hole exactly in the middle.

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**15. Adjusting the position of the bottom feed dog ( Fig.14 )**

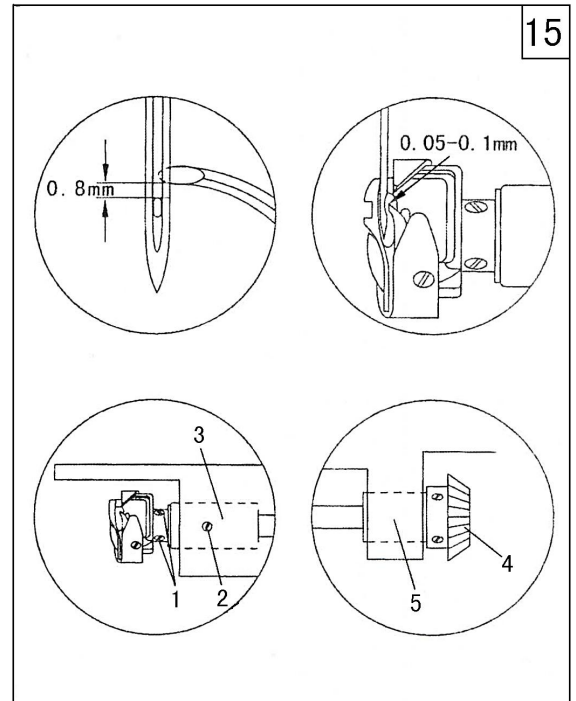
1. Adjust the stitch length to its max;
  2. Loosen the screw 1 so the driving eccentric wheel 2 can turn on the shaft;
  3. Adjust the needle bar to its lowest position;
  4. Turn the eccentric wheel 2 to make the throw of eccentric upward, and turn it a bit as required;
  5. Tighten the screw 1;
  6. Test it as required.
- ※ Set the stitch length to its max, adjust the needle bar to its lowest position, and when the reverse feed lever is working, it will not feed.

## 16. Position of the needle and the rotating hook (Fig.15)

1. Adjust the stitch length to "0", and then loosen the screw 1 and 2;
2. Turn the balance wheel until the needle is at its lowest position, and then lift it by 1.8mm;
3. Move the rotating hook as required;
4. Make the cover 3 touch the rotating hook, then tighten the screw 2;
5. Make sure that the gear 4 touches the bushing 5, then tighten the screw 1.

※Adjust the stitch length to "0", and lift the needle by 1.8mm.

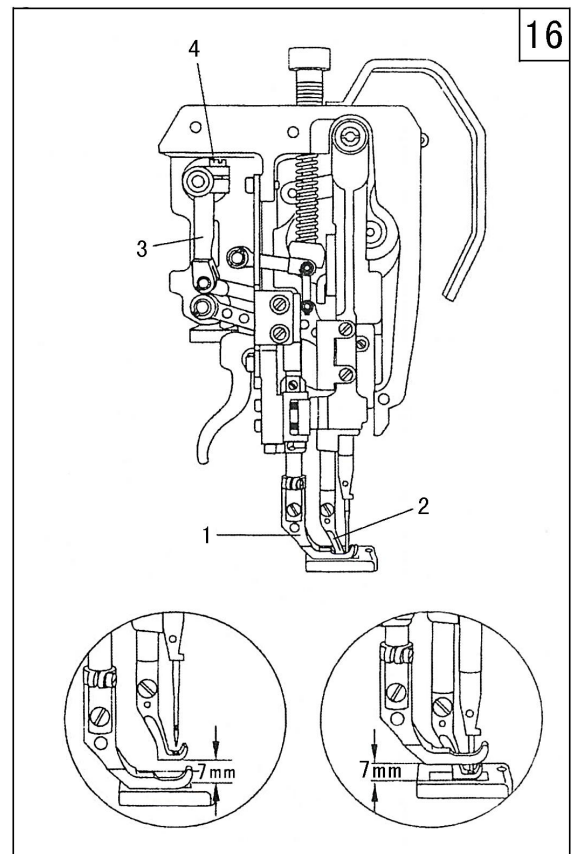
- a. The hook point must reach the center of the needle and the clearance between them should be 0.05 - 0.1mm;
- b. The vertical distance between the top of the needle hole and the hook point should be 0.8mm.



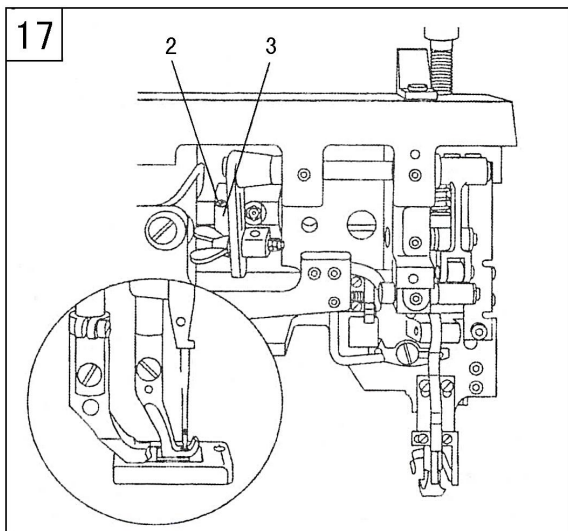
## 17. Adjusting the lifting amount of alternating presser foot (Fig.16)

1. Adjust the stitch length to "0" and adjust the lifting amount of alternating presser foot to its max;
2. Lower the presser foot 1 on the needle plate;
3. Turn the balance wheel until the walking foot 2 reaches its highest position;
4. As required, move the crank 3 (by screw 4);
5. Test as required.

※When the stitch length is at the "0" and the lifting amount of alternating presser foot is at the max, turn the balance wheel to make sure that the clearance between the presser foot 1 and the walking foot 2 is 7.0mm.



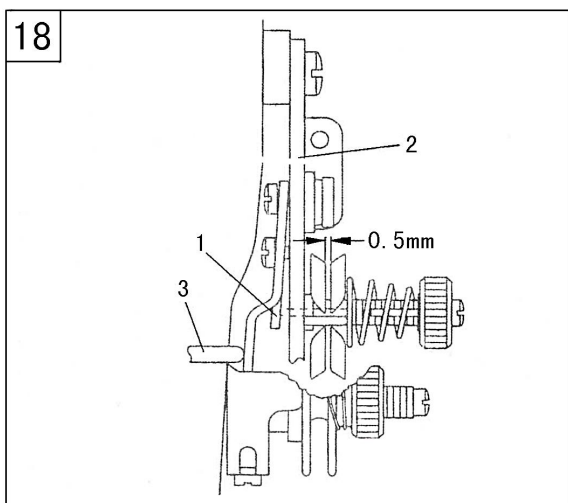




### 18. Adjusting the upper feed (Fig.17)

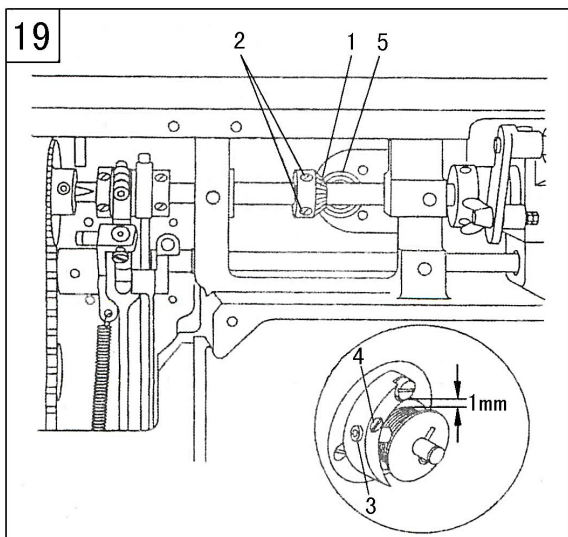
1. Lower the presser foot on the needle plate;
2. Loosen the screw 2 until the feed eccentric wheel can merely turn;
3. Adjust the feed eccentric wheel 3 as required;
4. Tighten the screw 2;
5. Test as required.

※ When the stitch length is at the max and the presser foot touches the needle plate, the walking foot and the needle should reach the needle plate simultaneously.



### 19. Needle thread tension releasing (Fig.18)

When the presser foot is lifted up, there must be a clearance of 0.5mm between the two tension plates (the minimum clearance is 0.5mm, when sewing with thick thread, it should be adjusted to 1mm, or more). Adjust the adjusting plate as required.



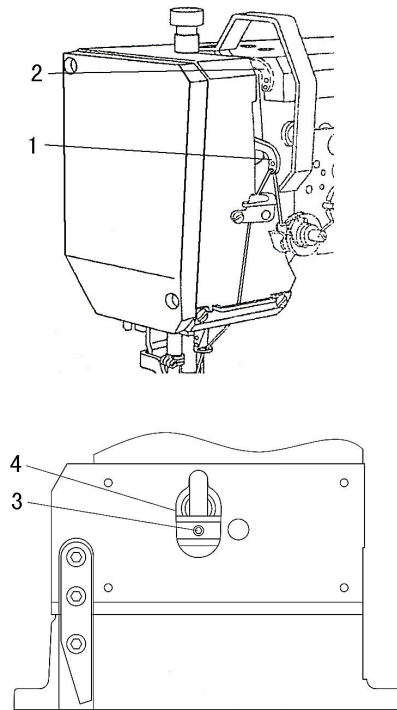
### 20. Bobbin winder (Fig. 19)

1. When the winder switches on, its spindle must engage reliably; when the winder switches off, the friction wheel 5 and the driving wheel 1 should get apart;
2. When the thread is approx. 1mm from the edge of the bobbin, the winder will switch off automatically;
3. When operating, insert the bobbin to the winder, thread the bobbin thread and switch the winder on. Adjust the pin 3 and the screw 4 as required.

## 21. Adjusting the thread trimming cam (Fig. 20)

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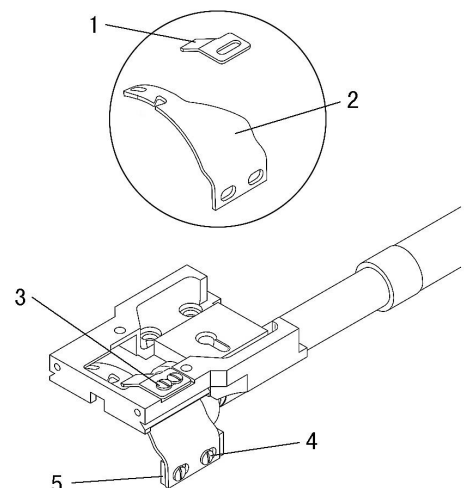
1. Turn the balance wheel until the thread take-up lever to the highest position (Fig.2) ;
  2. Adjust the thread trimming cam, the 1<sup>st</sup> screw 3 of the thread trimming cam aims at the middle of the middle seat waist type slot 4.
- ※ When the thread trimming solenoid, thread releasing solenoid starts to work, the thread take-up lever at the lowest position (Fig.1) ;  
When the thread trimming solenoid, thread releasing solenoid ends work, the thread take-up lever at the highest position (Fig.2) .



## 22. Adjusting movable knife, fixed knife (Fig.21)

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1. Loosen the screw 4, adjust the movable knife 2 to left or right, the original state is the left end of the movable knife 2 is at flush level with the left end of the movable knife shaft assy.5;
  2. Loosen the screw 3, adjust slightly the fixed knife 1 to front or rear.
  3. Test as required.
- ※ When thread trimming, the fixed knife 1 is in touch with the movable knife 2 and there is a little pressure.



# Parts Manual

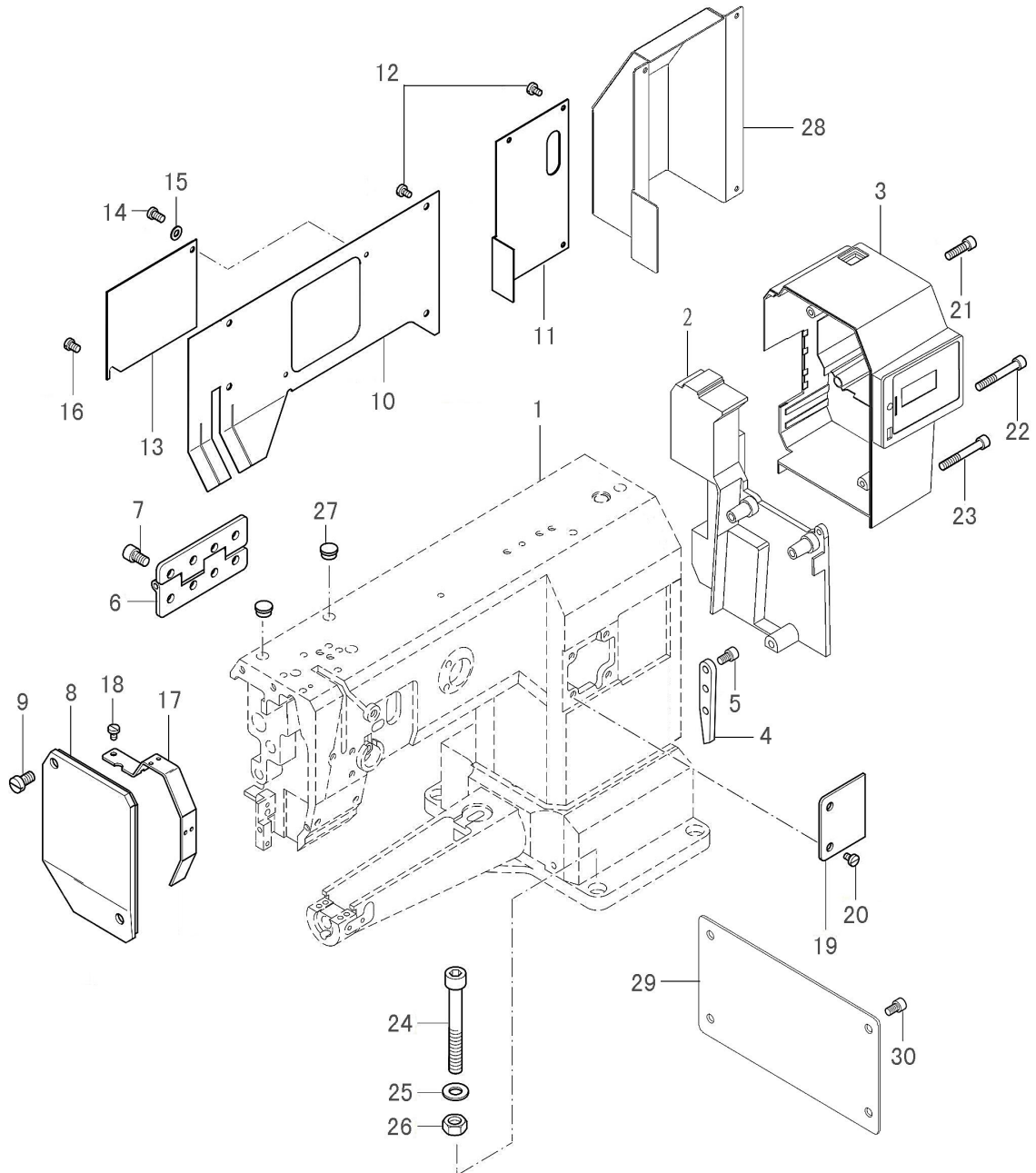


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# 1. Machine casting components

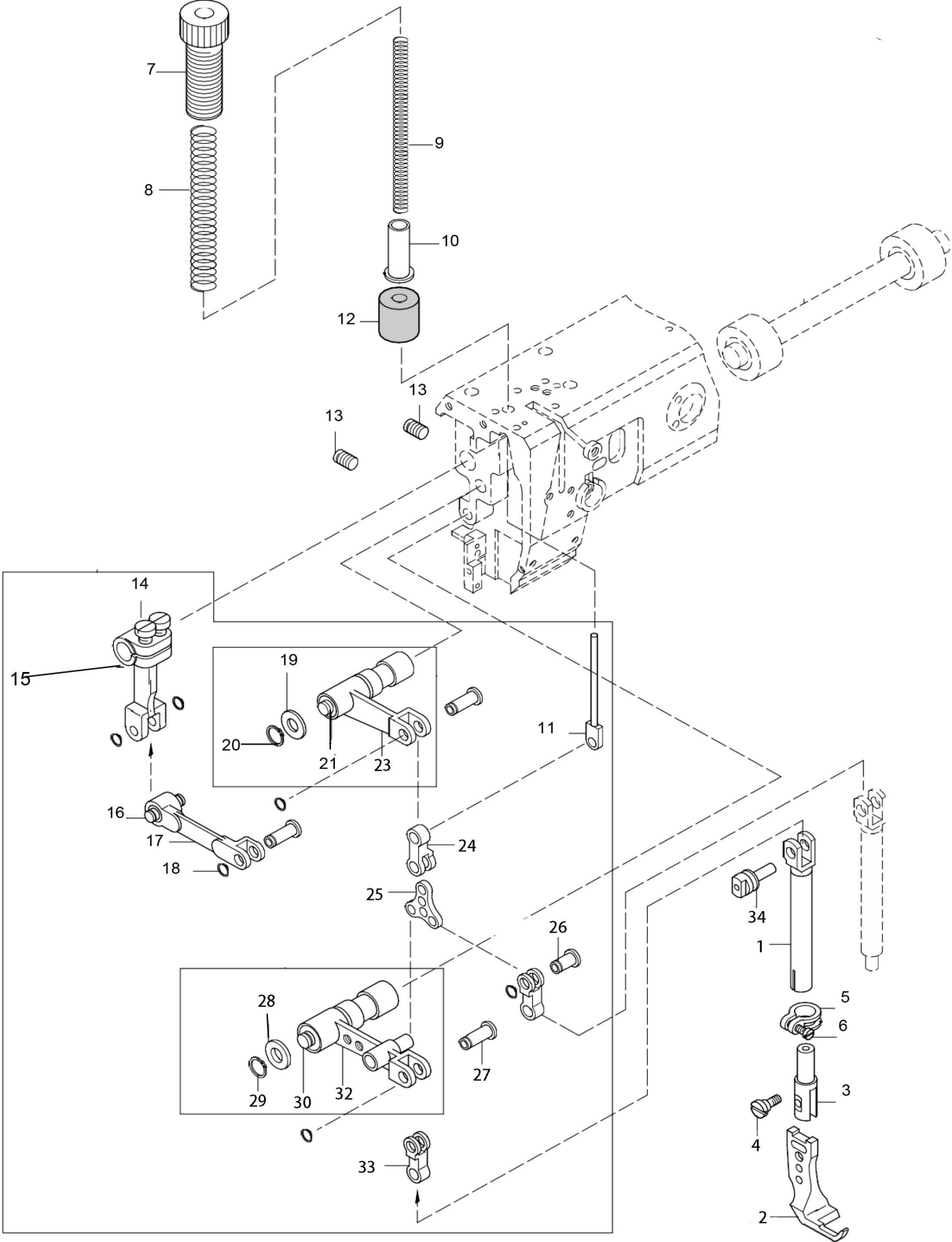
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# 1. Machine casting components

No.	Part Number	Name	335-Y	335-DY	Remark
1	7.01.01.082	Machine casting	1		
	7.01.01.083	Machine casting		1	
2		Silver star system	1	1	
3		Circuit board cover	1	1	
4	7.02.12.220	Connecting block	1	1	
5	7.02.15.048	Screw	3	3	M6X16
6	7.02.11.410	Hinge	1	1	
7	7.02.15.818	Screw	8	8	GB70-M8X15
8	7.02.11.411	Face plate	1	1	
9	7.02.15.053	Screw	2	2	GB65 -M5X16
10	7.02.11.412	Rear cover (left)	1	1	
11	7.02.11.413	Rear cover (right)	1		
12	7.02.15.009	Screw	8	8	GB67-M5X8
13	7.02.11.414	Small cover	1	1	
14	7.02.15.819	Screw	1	1	
15	7.02.18.818	Spring	1	1	GB1972-80
16	7.02.15.026	Screw	1	1	GB67 -M4X6
17	7.02.11.415	Safety cover	1	1	
18	7.02.15.009	Screw	1	1	GB67-M5X8
19	7.02.11.416	Front cover	1	1	
20	7.02.15.009	Screw	2	2	GB67-M5X8
21	7.02.15.731	Screw (upper)	1	1	M5X25
22	7.02.15.798	Screw	2	2	M5X30
23	7.02.15.732	Screw (lower)	1	1	M5X40
24	7.02.21.395	Screw	4	4	
25	7.02.21.396	Spacer	4	4	
26	7.02.21.397	Nut	4	4	
27	7.02.16.320	Plug	2	2	
28	7.02.11.685	Presser foot lifting solenoid cover		1	
29	7.02.11.687	Cover plate	1	1	
30	7.02.15.009	Screw	4	4	M5X8
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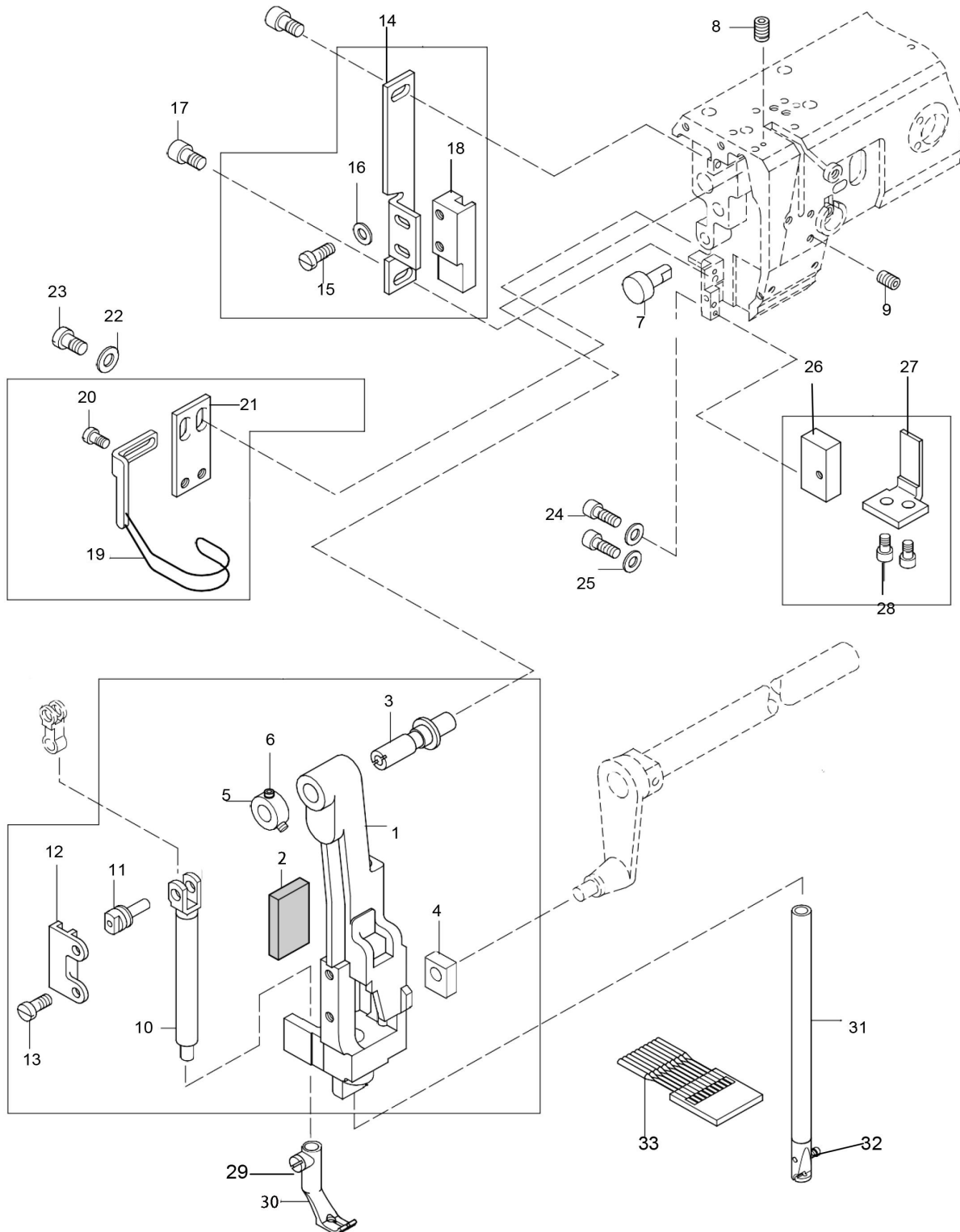
# 2. Presser foot components



## 2. Presser foot components

No.	Part Number	Name	335-Y	335-DY	Remark
1	7.02.05.380	Presser foot bar	1	1	For binding
2	7.02.02.330	Presser foot	1	1	
	7.02.02.331	Presser foot	1	1	For binding
3	7.02.13.310	Presser foot bracket	1	1	
4	7.02.15.820	Screw	1	1	
5	7.02.09.0901	Collar	1	1	
6	7.02.15.040	Screw	1	1	
7	7.02.15.821	Screw	1	1	M15X1
8	7.02.17.370	Spring	1	1	
9	7.02.17.371	Spring	1	1	
10	7.02.08.405	Spring bushing	1	1	
11	7.02.11.419	Guide bar	1	1	
12	7.02.16.321	Oil felt	1	1	
13	7.02.15.057	Screw	1	1	GB77-M6X8
	7.02.15.057	Screw	1	1	GB77-M6X8
14	7.02.15.416	Screw	2	2	GB65-M5X12
15	7.02.01.296	Crank ( I )	1	1	
16	7.02.01.29602	Connecting pin	1	1	
17	7.02.01.29601	Presser foot lifting link	1	1	
18	7.02.01.29605	Spring	6	6	GB894.1-5
19	7.02.01.29609	Spacer	2	2	
20	7.02.01.29610	Spring	1	1	GB894.1-6
21	7.02.01.29607	Pin shaft	1	1	
22	7.02.01.29608	Bearing	2	2	
23	7.02.01.29606	Crank ( II )	1	1	
24	7.02.01.29617	Link	1	1	
25	7.02.01.29616	Swing plate	1	1	
26	7.02.01.29619	Connecting pin (small)	1	1	
27	7.02.01.29604	Connecting pin (big)	2	2	
		Connecting pin (big)	1	1	(AG2520-13)
28	7.02.01.29614	Spacer	1	1	
29	7.02.01.29615	Spring	1	1	GB894.1-7
30	7.02.01.29612	Pin shaft	1	1	
31	7.02.01.29613	Bearing	2	2	
32	7.02.01.29611	Crank ( III )	1	1	
33	7.02.01.29618	Link	2	2	
34	7.02.12.222	Presser foot guide sliding block	1	1	
35	7.02.01.29603	Bearing	1	1	

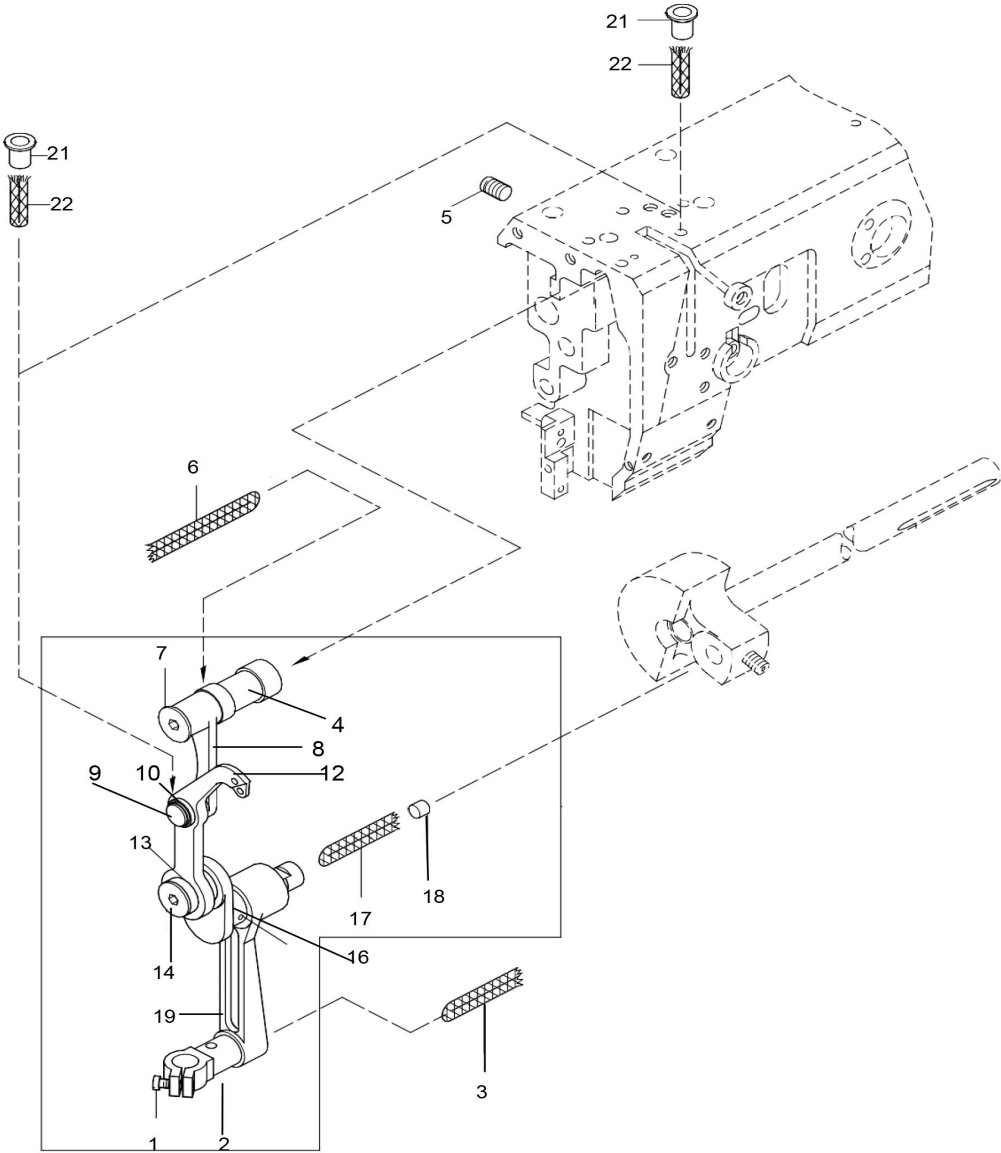
### 3. Rocking shaft bracket components



### 3. Rocking shaft bracket components

No.	Part Number	Name	335-Y	335-DY	Remark
1	7.02.13.311	Needle bar rocking frame	1	1	
2	7.02.16.323	Oil felt	1	1	
3	7.02.10.390	Hinge shaft	1	1	
4	7.02.12.224	Sliding block	1	1	
5	7.02.09.091	Collar	1	1	
6	7.02.15.061	Screw	2	2	M3X3
7	7.02.10.391	Position pin	1	1	
8	7.02.15.057	Screw	1	1	GB77-M6X8
9	7.02.15.049	Screw	1	1	GB77-M5X8
10	7.02.05.382	Walking foot bar	1	1	
11	7.02.12.222	Sliding block	1	1	
12	7.02.12.223	Sliding guide	1	1	
13	7.02.15.017	Screw	2	2	GB65-M4X8
14	7.02.01.29501	Set plate	1	1	
15	7.02.01.29502	Screw	2	2	GB65-M4X10
16	7.02.01.29503	Spacer	2	2	GB97.1-4
17	7.02.15.009	Screw	2	2	GB70-M5X10
18	7.02.01.295	Sliding guide	1	1	
19	7.02.01.297	Finger guard assembly	1	1	
20	7.02.15.026	Screw	2	2	GB65-M4X8
21	7.02.01.29701	Set plate	1	1	
22		Spacer	2	2	GB97.1-5
23	7.02.15.009	Screw	2	2	GB65-M5X8
24	7.02.15.572	Screw	2	2	GB70-M4X16
25	7.02.18.071	Spacer	2	2	GB97.1-4
26	7.02.12.221	Position block	1	1	
27	7.02.13.312	Set plate	1	1	
28	7.02.15.837	Screw	2	2	GB70-M4X8
29	7.02.15.823	Screw	1	1	
30	7.02.02.332	Walking foot	1	1	For binding
	7.02.02.333	Walking foot	1	1	
31	7.02.03.359	Needle bar	1	1	
32	7.02.15.009	Screw	1	1	M3X5
33	7.02.21.408	Needle	1	1	DPX35 14#
34	7.02.17.372	Spring	1	1	

# 4. Thread take-up components

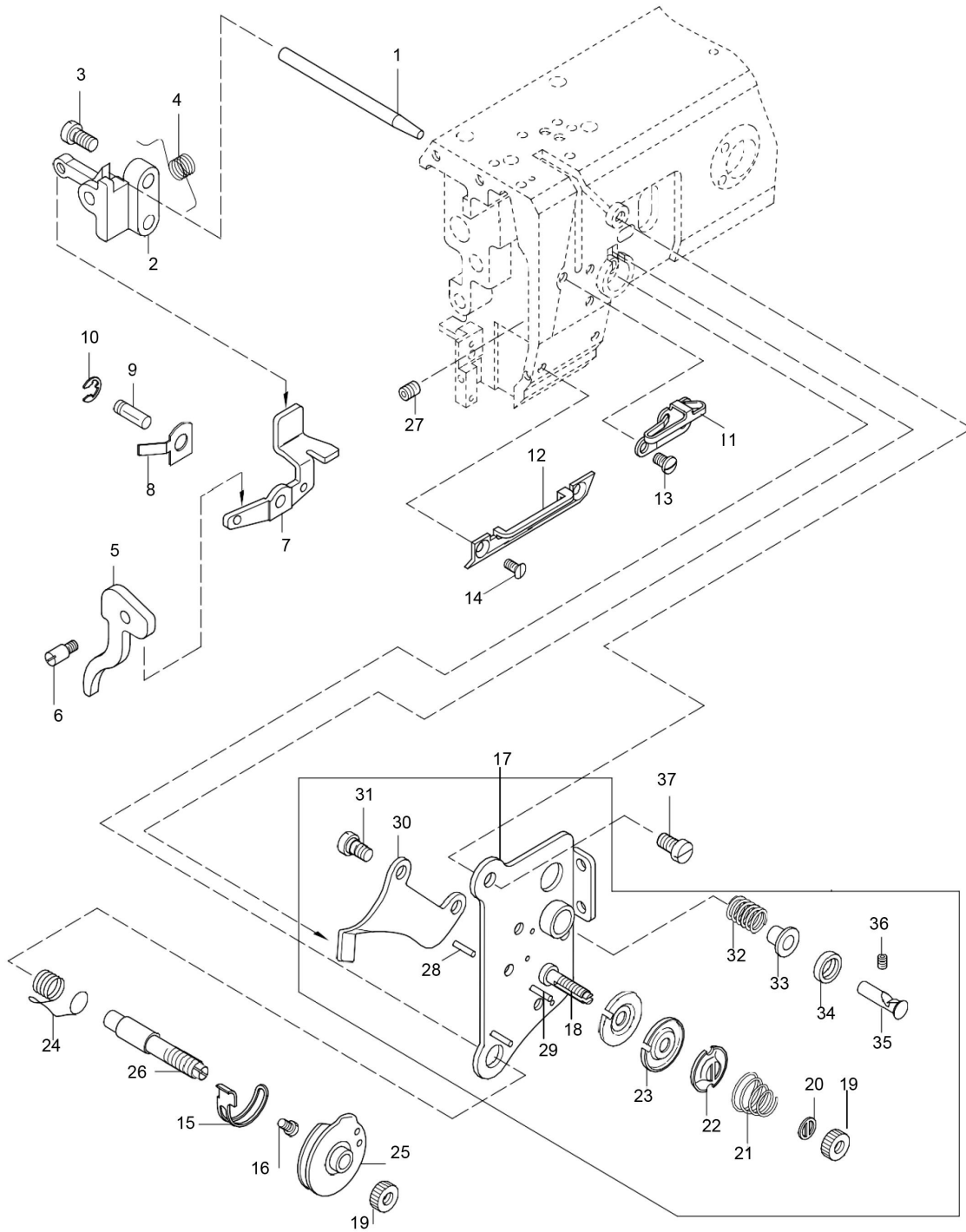




#### 4. Thread take-up components

No.	Part Number	Name	335-Y	335-DY	Remark
1	7.02.15.017	Screw	1	1	M4X10
2	7.02.05.383	Needle bar connector	1	1	
3		Oil wick	1	1	
4	7.02.10.392	Pin shaft	1	1	
5	7.02.15.057	Screw	1	1	GB77-M6X8
6		Oil wick	1	1	
7	7.02.15.817	Screw	1	1	
8	7.02.06.295	Crank	1	1	
9		Connecting pin	1	1	
10		Spacer	1	1	
11		Link bushing	1	1	
12	7.02.05.384	Thread take-up lever	1	1	
13		Bearing bushing	1	1	
14	7.02.15.824	Screw	1	1	
15	7.02.04.005	Bearing	1	1	
16	7.02.10.393	Hinge shaft	1	1	
17		Oil wick	1	1	
18	7.02.16.330	Oil plug	1	1	
19	7.02.05.385	Needle bar link	1	1	
20	7.02.04.131	Bearing	1	1	
21	7.02.16.325	Oil pipe	2	2	
22		Oil wick	2	2	

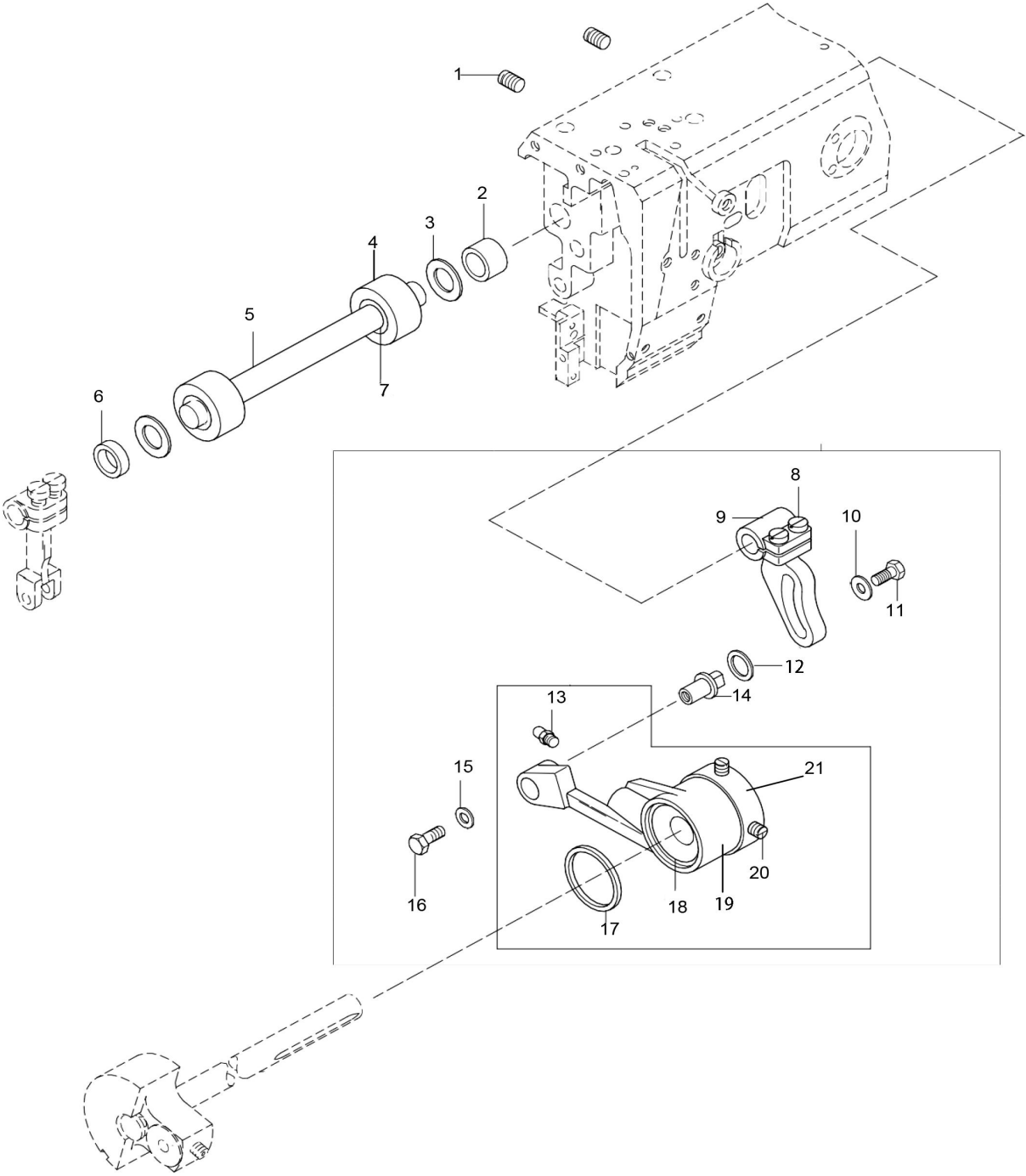
## 5.Thread tension and thread tension releasing components



## 5.Thread tension and thread tension releasing components

No.	Part Number	Name	335-Y	335-DY	Remark
1	7.02.10.395	Thread releasing bar	1	1	
2	7.02.01.303	Thread releasing bracket assembly	1	1	
3	7.02.15.416	Screw	2	2	M5X6
4	7.02.17.374	Spring	1	1	
5	7.02.05.381	Presser foot lifting bar	1	1	
6	7.02.15.822	Shaft for presser foot lifting bar	1	1	
7	7.02.05.389	Thread releasing lever	1	1	
8	7.02.11.420	Spring plate	1	1	
9	7.02.10.394	Pin	1	1	
10	7.02.18.021	Split ring	1	1	GB896-86 5
11	7.02.14.004	Thread guide (middle)	1	1	
12	7.02.14.090	Thread guide (low)	1	1	
13	7.02.15.009	Screw	1	1	M5X7
14	7.02.15.388	Screw	1	1	GB68-M4X8
15	7.02.14.002	Stopper plate	1	1	
16	7.02.15.042	Screw	1	1	GB65-M4X6
17	7.02.01.294	Set plate	1	1	
18	7.02.01.29401	Bolt	1	1	
19	7.02.01.29402	Nut	2	2	
20	7.02.01.29403	Washer	1	1	
21	7.02.01.29404	Spring	1	1	
22	7.02.01.29405	Thread releasing plate	1	1	
23	7.02.01.29406	Thread tension plate	2	2	
24	7.02.01.29407	Spring	1	1	
25	7.02.01.29408	Thread control plate assembly	1	1	
26	7.02.01.29409	Bolt	1	1	
27	7.02.01.29410	Screw	1	1	GB77-M5X8
28	7.02.01.29411	Pin	2	2	
29	7.02.01.29412	Thread releasing pin	1	1	
30	7.02.01.29413	Thread erecting plate	1	1	
31	7.02.01.29414	Screw	2	2	SM9/64"X40
32	7.02.01.29415	Spring	1	1	
33	7.02.01.29416	Thread tension cap	1	1	
34	7.02.01.29417	Thread tension disc	1	1	
35	7.02.01.29418	Pin	1	1	
36	7.02.01.29419	Screw	1	1	GB73-M4X8
37	7.02.15.006	Screw	1	1	GB67-M4X10

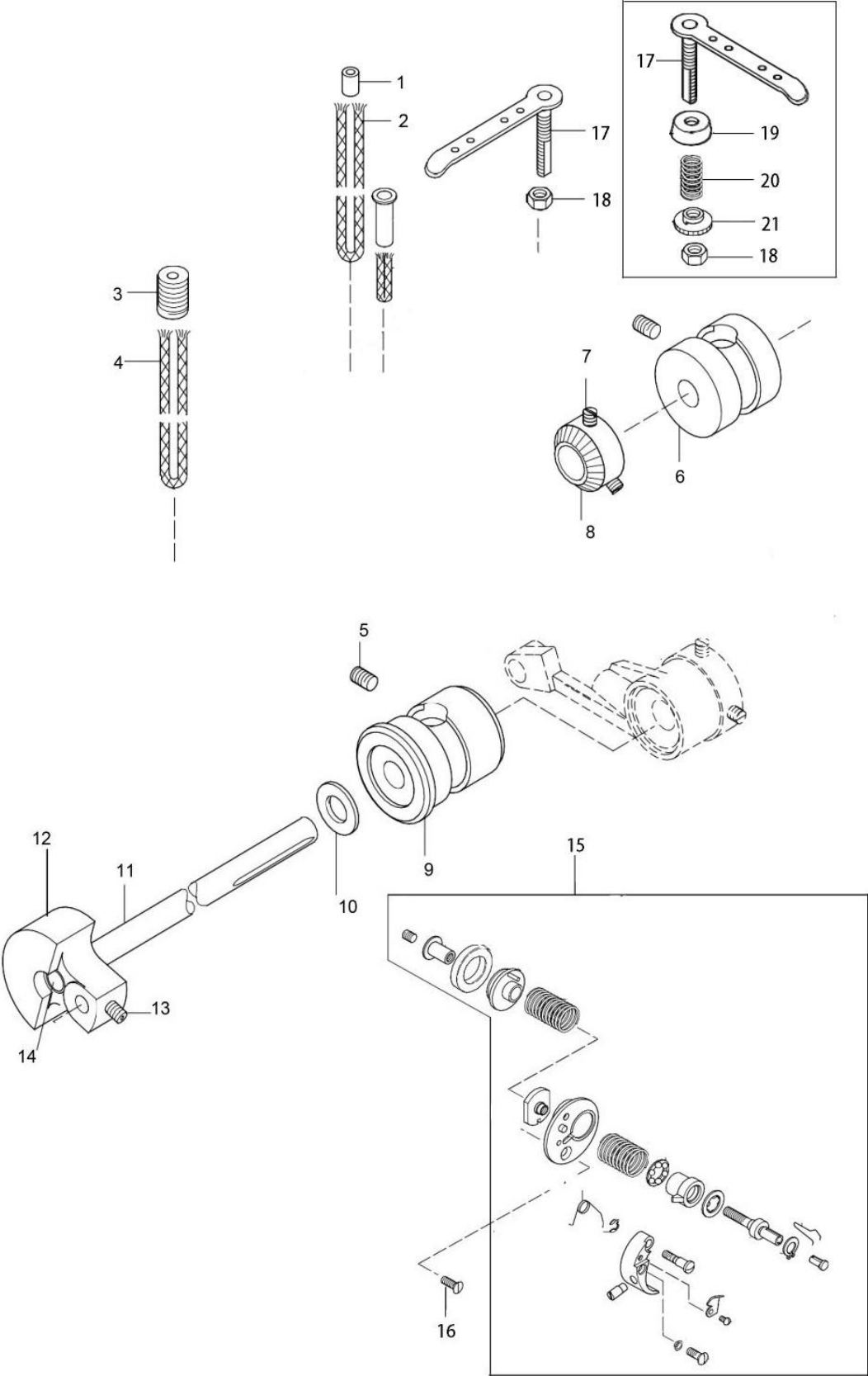
# 6. Pressr lifting shaft components



## 6. Presser lifting shaft components

No.	Part Number	Name	335-Y	335-DY	Remark
1	7.02.15.788	Screw	2	2	GB77-M6X5
2	7.02.18.282	Washer (back)	1	1	
3	7.02.18.280	Spacer	2	2	
4	7.02.08.406	Bushing	2	2	
5	7.02.03.360	Presser lifting shaft	1	1	
6	7.02.18.281	Washer (front)	1	1	
7	7.02.16.322	Retainer	4	4	
8	7.02.15.416	Screw	2	2	GB65-M5X12
9	7.02.05.400	Adjusting crank	1	1	
10	7.02.18.278	Spacer	1	1	
11	7.02.15.066	Screw (back)	1	1	GB5781-M5X10
12	7.02.18.277	Spacer	1	1	
13	7.02.16.318	Oil cup	1	1	
14	7.02.10.398	Pin	1	1	
15	7.02.18.278	Spacer	1	1	
16	7.02.15.066	Screw (front)	1	1	GB5781-M5X8
17	7.02.18.279	Retainer	2	2	
18	7.02.04.128	Bearing	1	1	
19	7.02.05.399	Presser lifting link	1	1	
20	7.02.15.050	Screw	2	2	M6X0.75
21	7.02.06.302	Presser lifting cam	1	1	
22	7.02.04.130	Bearing	2	2	

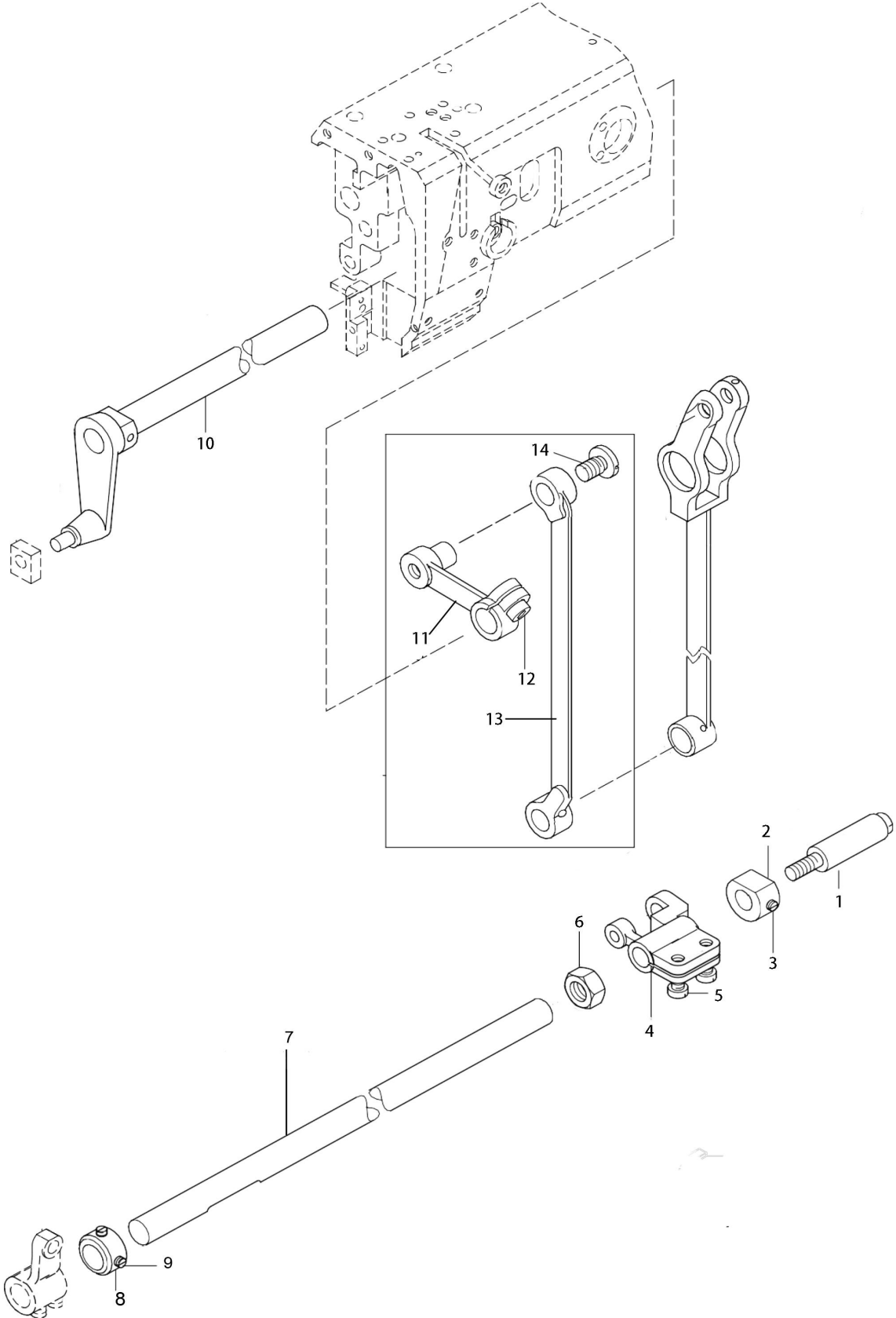
# 7. Upper shaft components



## 7. Upper shaft components

No.	Part Number	Name	335-Y	335-DY	Remark
1	7.02.16.319	Oil plug	1	1	
2		Oil wick	1	1	
3	7.02.16.326	Oil plug	1	1	
4		Oil wick	1	1	
5	7.02.15.057	Screw	2	2	GB77-M6X8
6	7.02.08.408	Middle bushing	1	1	
7	7.02.15.050	Screw	2	2	M6X0.75
8	7.02.07.210	Friction wheel	1	1	
9	7.02.08.407	Front bushing	1	1	
10	7.02.18.283	Front spacer	1	1	
11		Upper shaft	1	1	
12	7.02.06.296	Needle bar crank	1	1	
13	7.02.15.441	Screw	2	2	GB77-M6X5
14	7.02.16.330	Oil plug	1	1	
15	7.02.01.299	Bobbin winder assembly	1	1	
16	7.02.15.388	Screw	1	1	GB68-M4X8
17	7.02.01.302	Thread guide assembly	1	1	
18	7.02.01.30201	Nut	1	1	GB6170-M6
19	7.02.01.30202	Thread tension plate	1	1	
20	7.02.01.30203	Spring	1	1	
21	7.02.01.30204	Nut	1	1	

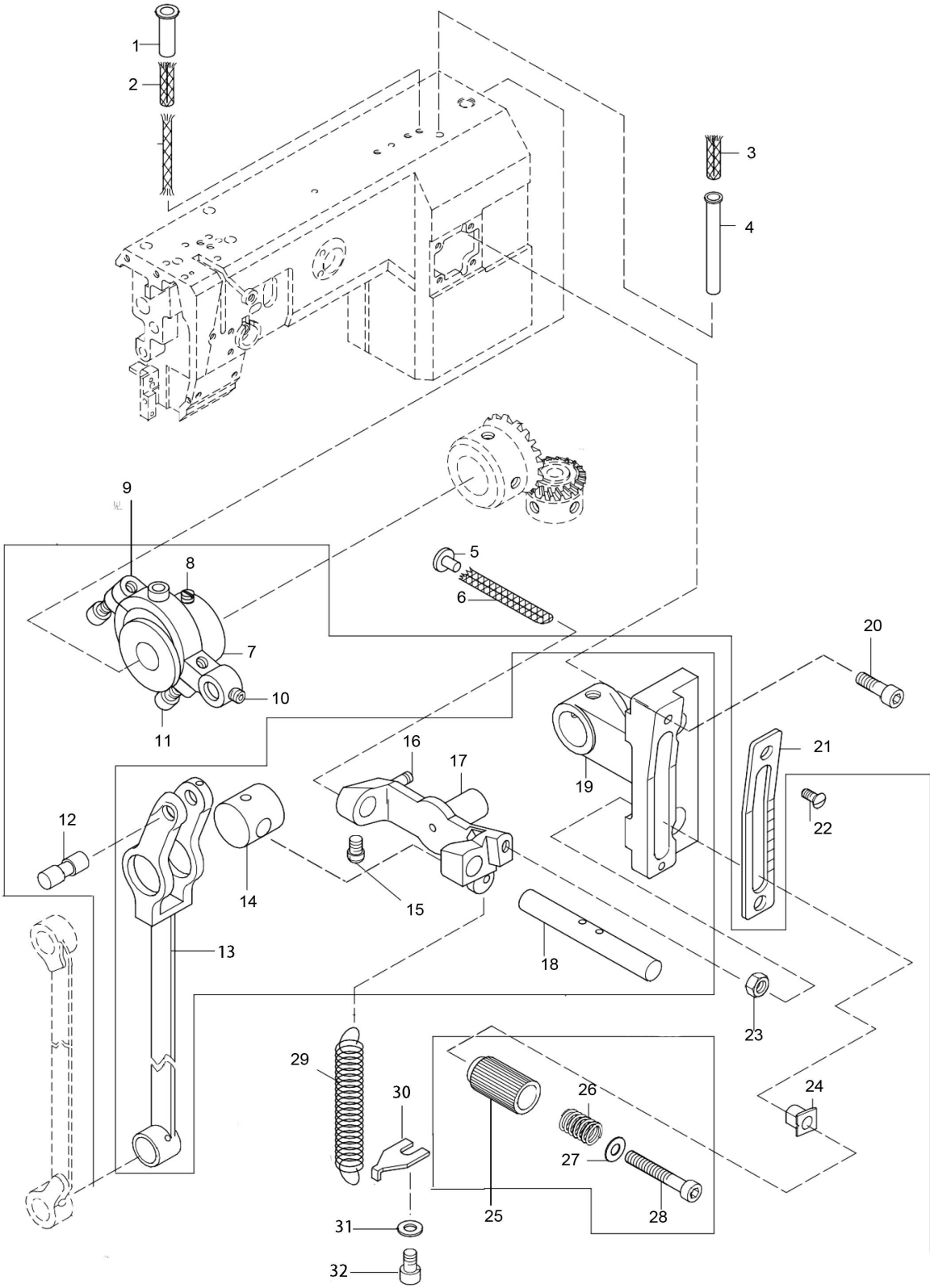
# 8. Rocking shaft and feeding shaft components







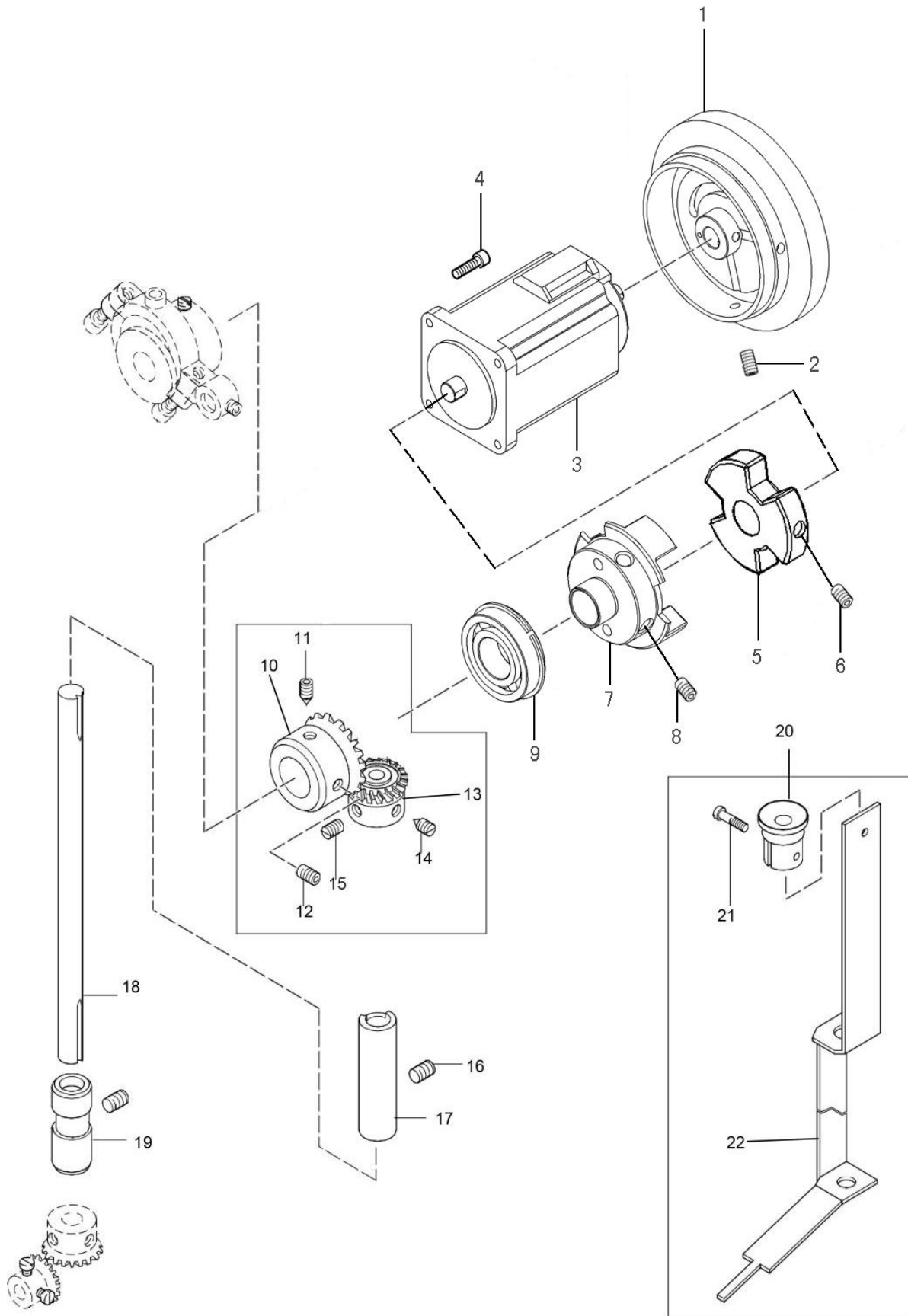
# 9. Feeding adjusting components



## 9. Feeding adjusting components

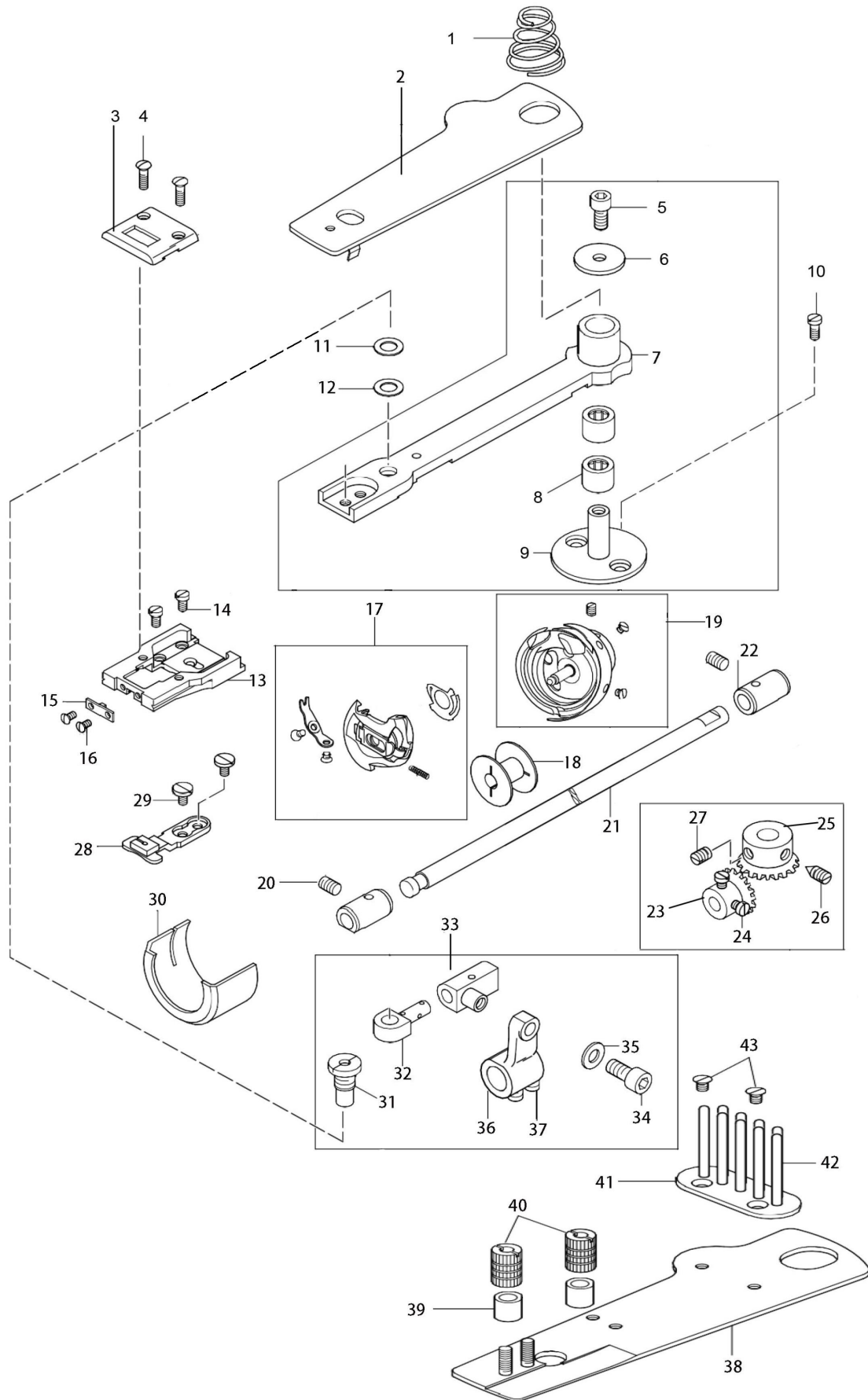
No.	Part Number	Name	335-Y	335-DY	Remark
1	7.02.16.331	Oil tube	1	1	
2	7.02.16.339	Oil wick	1	1	
3	7.02.16.339	Oil wick	1	1	
4	7.02.16.332	Oil tube	1	1	
5	7.02.16.330	Oil plug	1	1	
6	7.02.16.339	Oil wick	1	1	
7	7.02.01.301	Feed cam	1	1	
8	7.02.15.123	Screw	2	2	SM1/4"X40
9	7.02.15.30101	Feed crank	1	1	
10	7.02.15.420	Screw	1	1	GB77-M4X5
11	7.02.01.30102	Screw	2	2	GB70-M5X12
12	7.02.10.396	Connecting pin	1	1	
13	7.02.05.391	Link	1	1	
14	7.02.12.225	Sliding block	1	1	
15		Screw	1		
16		Pin	1		
17	7.02.13.314	Stitch length adjusting bracket	1		
18	7.02.03.362	Sliding shaft	1	1	
19	7.02.13.313	Stitch length label bracket	1		
20	7.02.15.048	Screw	2		GB70-M6X16
21	7.02.16.328	Stitch length label	1		
22	7.02.15.829	Screw	2		GB68-M3X8
23	7.02.15.067	Nut	1		GB6172-86 M6
24	7.02.08.409	Stopper bushing	1		
25	7.02.16.329	Adjusting bar	1		
26	7.02.17.375	Spring	1		
27	7.02.18.148	Spacer	1		
28	7.02.15.830	Screw	1		
29	7.02.17.376	Spring	1	1	
30	7.02.17.004	Spring hanger	1	1	
31		Spacer	1	1	
32	7.02.15.055	Screw	1	1	GB70-85 M6X10

## 10. Vertical shaft components





# 11. Lower feed and lower shaft components

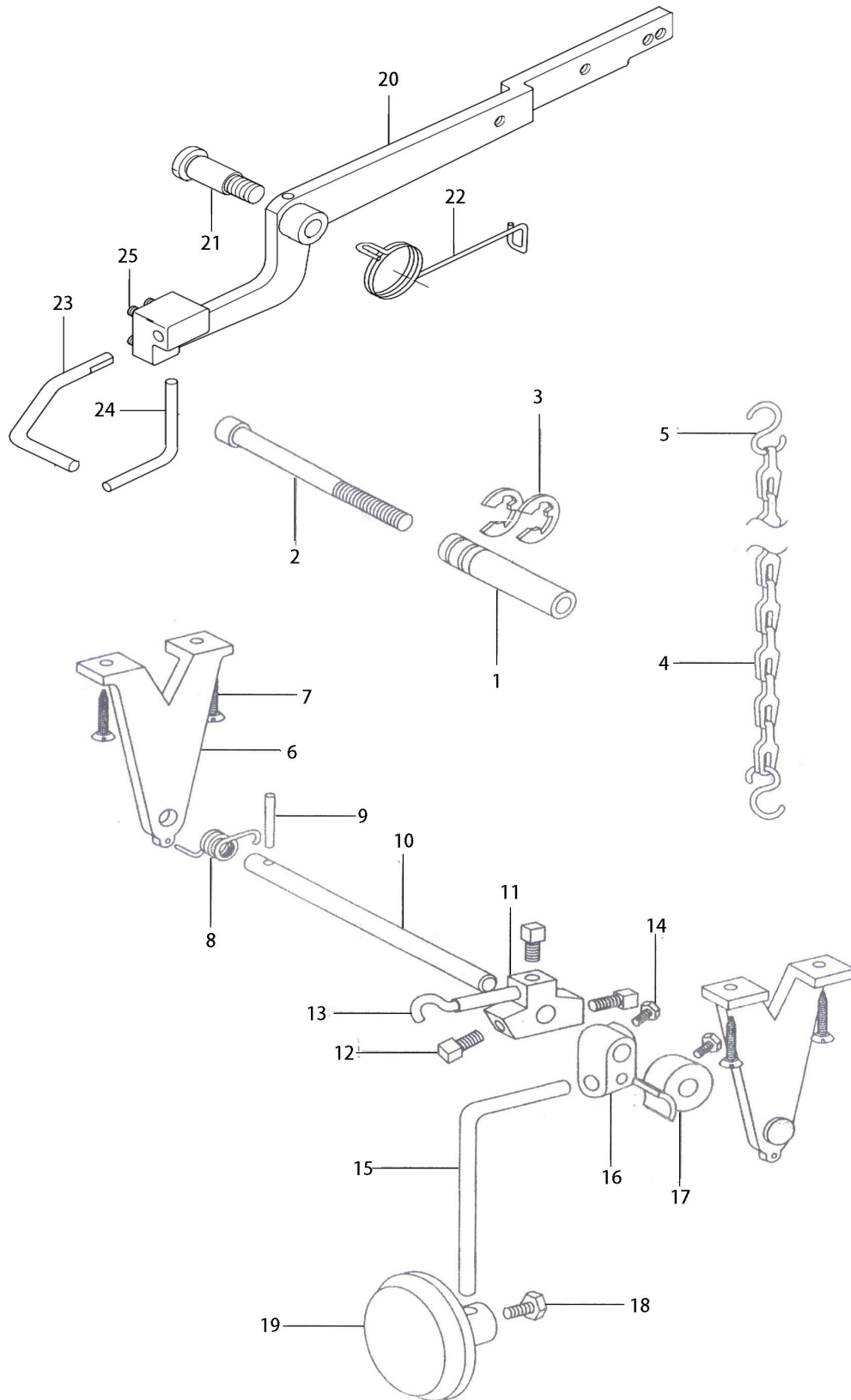


## 11. Lower feed and lower shaft components

No.	Part Number	Name	335-Y	335-DY	Remark
1	7.02.17.377	Spring	1	1	
2	7.02.11.421	Cover plate assembly	2	2	
3	7.02.02.334	Needle plate	1	1	
	7.02.02.335	Needle plate	1	1	For binding
4	7.02.15.214	Screw	2	2	SM9/64"X40
5	7.02.15.053	Screw	1	1	GB70-M5X10
6	7.02.18.210	Spacer	1	1	
7	7.02.13.317	Feed dog bracket assembly	1	1	
8	7.02.04.132	Bearing	2	2	
9	7.02.03.364	Pedestal for feed dog bracket	1	1	
10	7.02.15.017	Screw	1	1	GB65-M4X6
11		Spacer	1	1	
12		Spacer	1	1	
13	7.02.13.315	Position block bracket	1		
14	7.02.15.253	Screw	2		SM9/64"X40
15	7.02.02.336	Position block	1		
16	7.02.15.832	Screw	2		GB68-M2.5X3.5
17	7.02.02.340	Bobbin case(for big hook)	1	1	BC-HPF134
	7.02.02.380	Bobbin case(for small hook)	1	1	BC-HPF134
18	7.02.21.409	Bobbin(for big hook)	1	1	
	7.02.21.398	Bobbin(for small hook)	1	1	
19	7.02.02.339	Hook(for big hook)	1	1	HPF335
	7.02.02.379	Hook(for small hook)	1	1	HPF335
20	7.02.15.057	Screw	2	2	GB77-M6X8
21	7.02.03.365	Lower shaft	1		
22	7.02.08.412	Lower shaft bushing	2	2	
23	7.02.07.215	Lower shaft gear	1		
24	7.02.15.152	Screw	2		SM11/64"X40
25	7.02.07.214	Vertical shaft gear (low)	1		
26	7.02.15.060	Screw	1		M6X0.75
27	7.02.15.060	Screw	1		M6X0.75
28	7.02.02.337	Feed dog	1	1	For binding
	7.02.02.338	Feed dog	1	1	
29	7.02.15.833	Screw	2	2	SM9/64"X40
30	7.02.13.316	Cover (for Koban small hook)	1		
	7.02.13.322	Cover (for Italy hook)	1		
31	7.02.10.398	Pin	1		
32	7.02.05.392	Connector	1		
33	7.02.12.226	Connecting block	1		
34	7.02.15.017	Screw	1		GB70-M4X8
35	7.02.18.071	Spacer	1		
36	7.02.06.298	Driving crank	1		
37	7.02.15.123	Screw	2		SM1/4"X40
38	7.02.11.422	Vibrating plate assembly	1	1	For binding
39	7.02.18.284	Spacer	2	2	For binding
40	7.02.15.834	Nut	2	2	For binding
41	7.02.11.423	Tape guide base	1	1	For binding
42		Tape guide assembly	9	9	For binding
43	7.02.15.835	Screw	2	2	For binding

## 12. Knee lifter control components

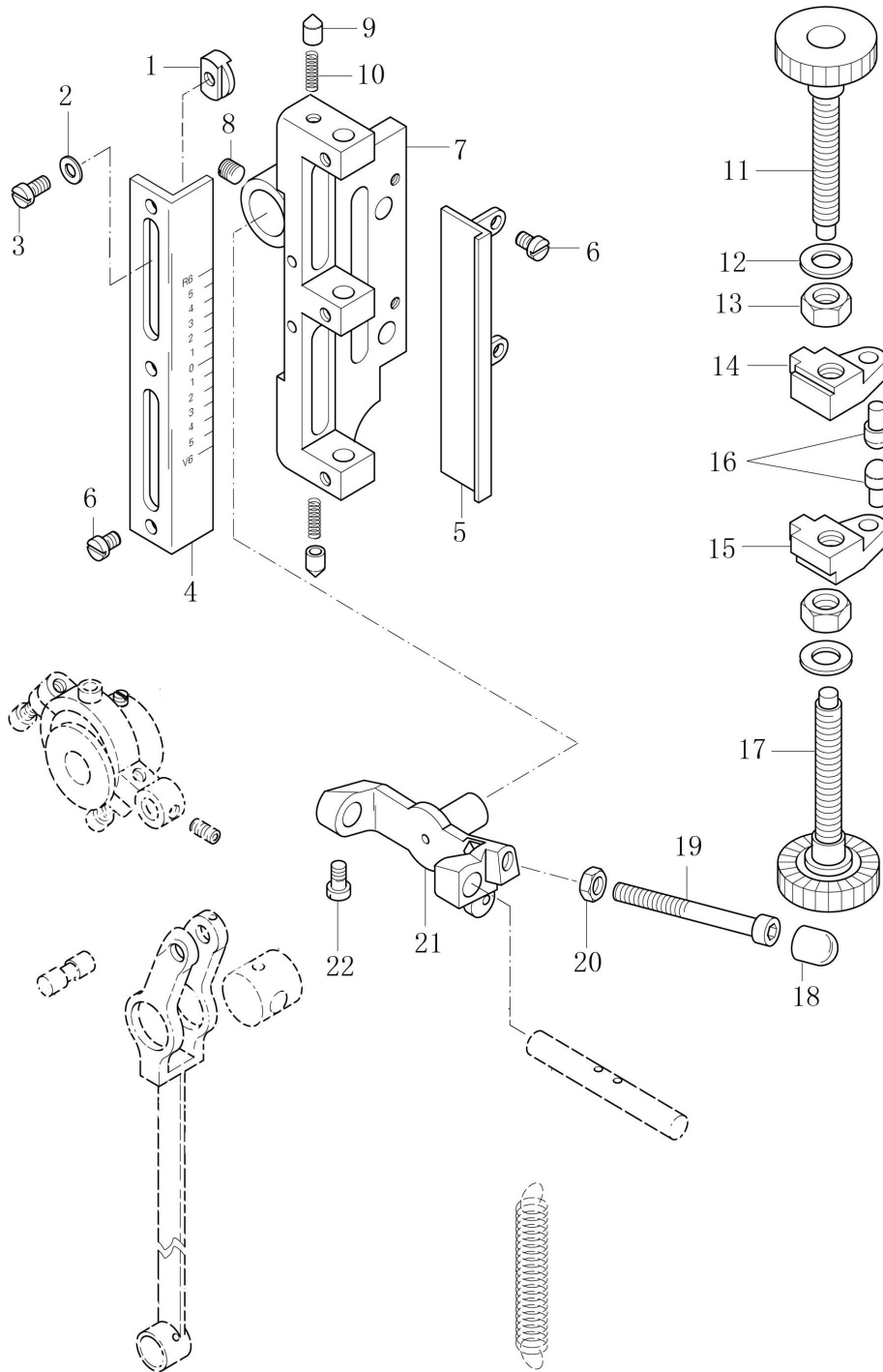
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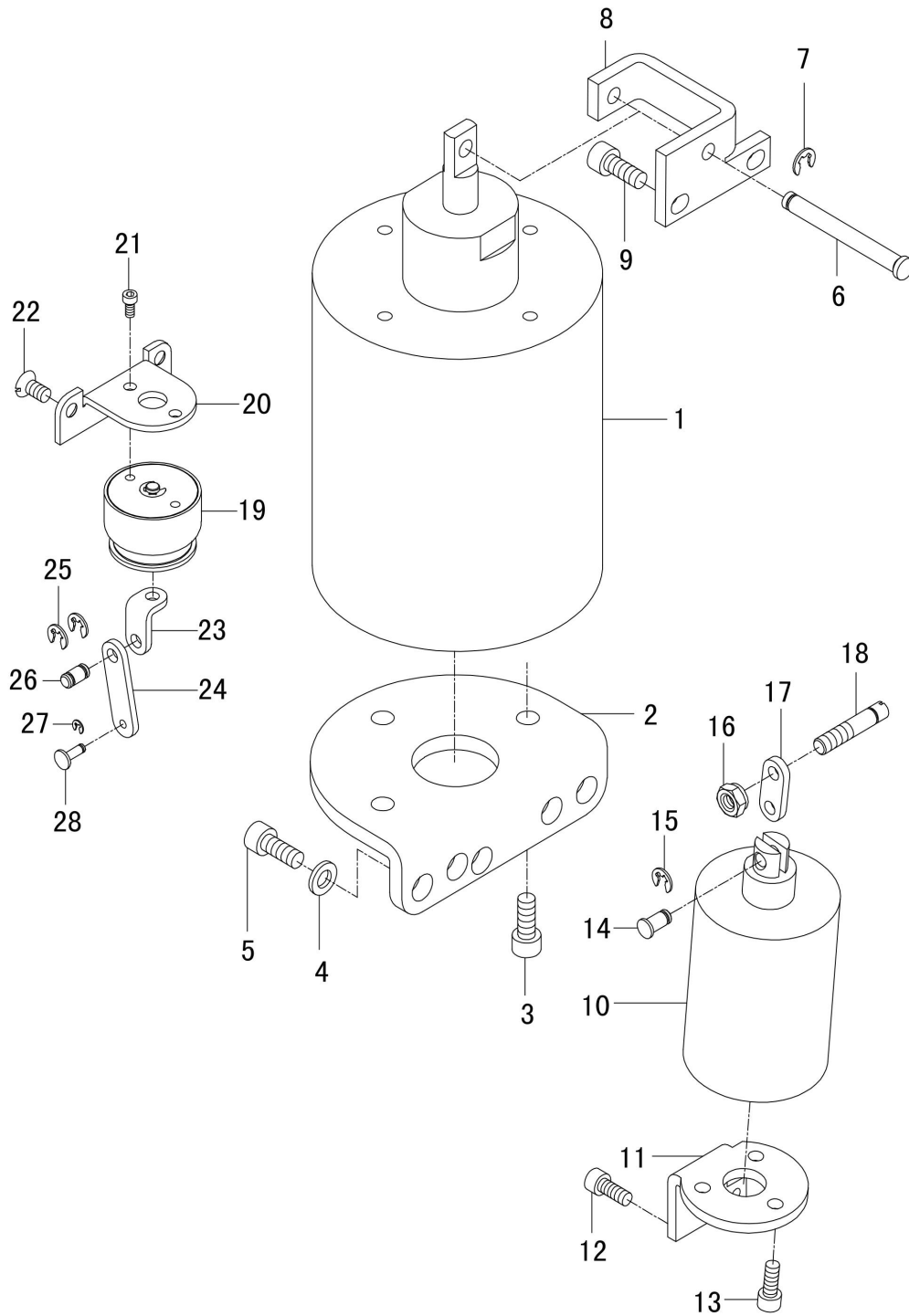
# 13. Stitch length adjusting components





# 14. Solenoid components

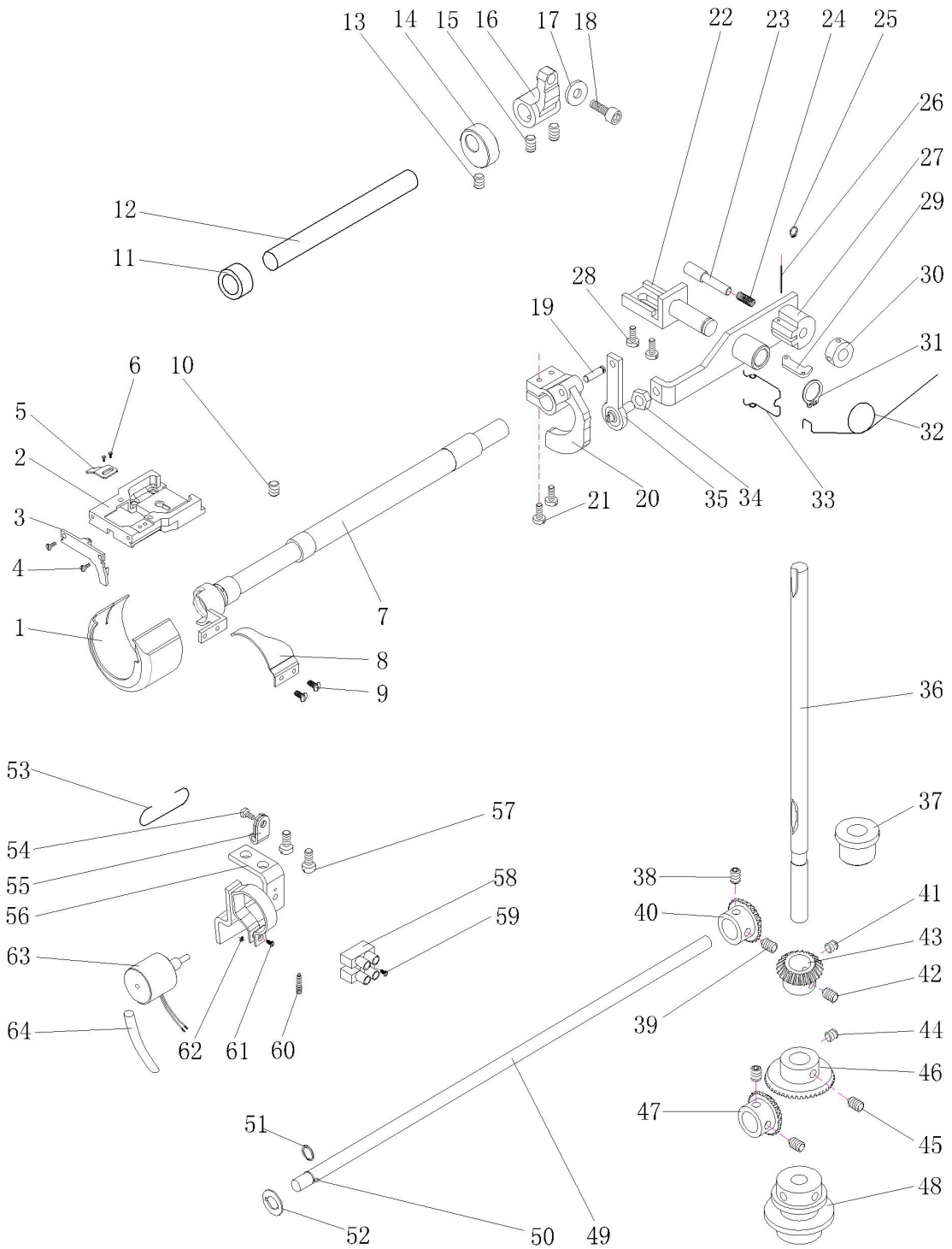
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## 14. Solenoid components

No.	Part Number	Name	335-Y	335-DY	Remark
1		Presser foot lifting solenoid		1	
2	7.02.13.550	Bracket		1	
3	7.02.15.048	Screw		3	M6×16
4		Spacer		4	
5	7.02.15.048	Screw		4	M6×16
6		Iron core pin		1	
7		C type ring		1	GB/T 896-1986-5
8	7.02.11.686	Fixed plate		1	
9	7.02.15.048	Screw		2	M6×16
10		Backstitch solenoid		1	
11	7.02.13.551	Bracket		1	
12	7.02.15.544	Screw		2	M5×20
13	7.02.15.960	Screw		3	M5×10
14	7.02.01.29604	Connecting pin		1	
15	7.02.18.031	C type ring		1	GB/T 896-1986-4
16	7.02.15.1073	Nut		1	M6
17	7.02.11.688	Connecting plate		1	
18	7.02.15.791	Screw		1	
19		Thread releasing solenoid		1	
20	7.02.13.552	Bracket		1	
21	7.02.15.976	Screw		2	M3×5
22	7.02.15.003	Screw		2	M5×8
23		Thread releasing solenoid connection		1	
24		Connecting plate		1	
25	7.02.18.031	C type ring		2	GB/T 896-1986-4
26		Connecting pin (up)		1	
27	7.02.18.296	C type ring		1	GB/T 896-1986-2
28		Connecting pin (low)		1	

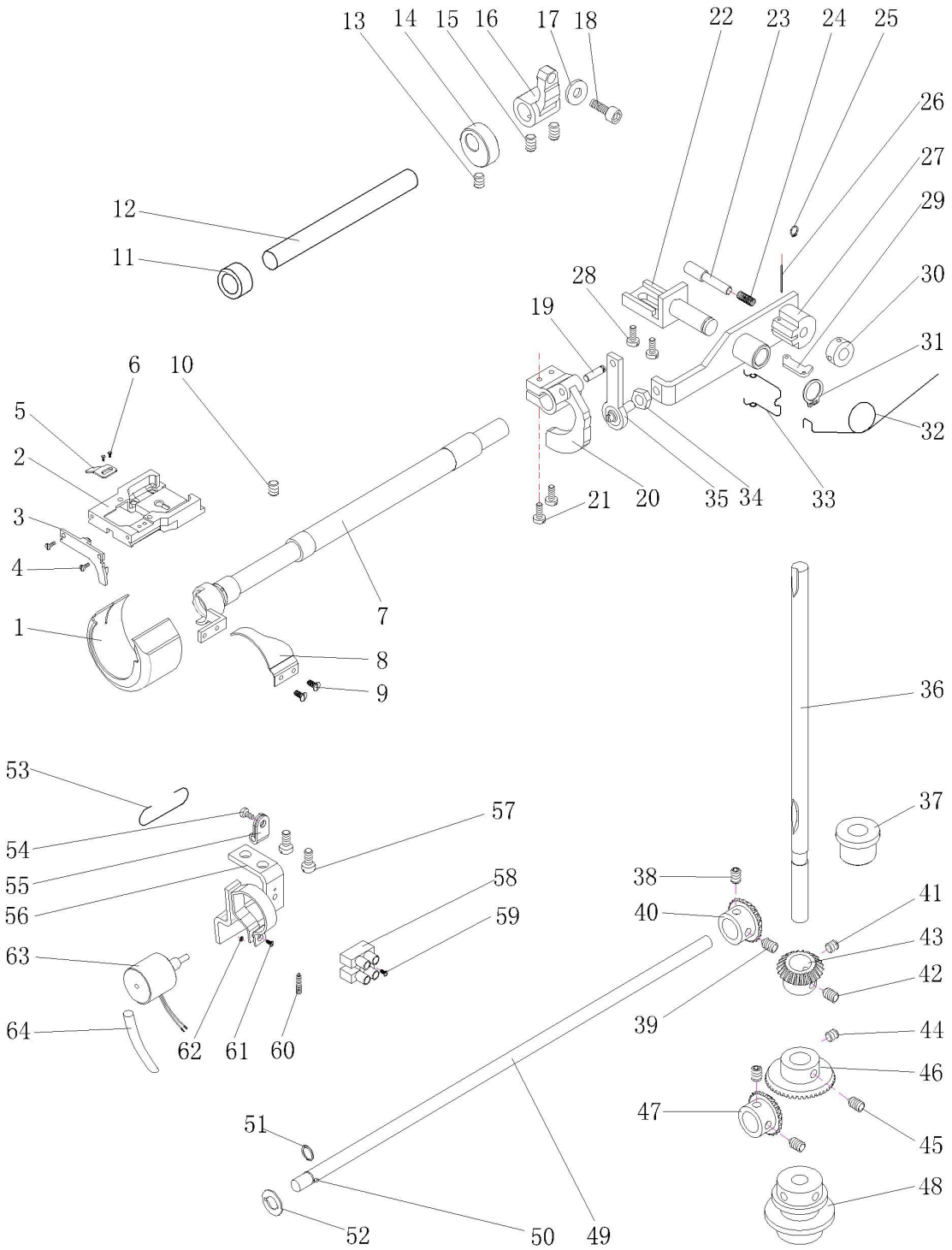
# 15. Thread trimming components



## 15. Thread trimming components

No.	Part Number	Name	335-Y	335-DY	Remark
1	7.02.13.319	Bottom cyliner cover		1	
2	7.02.13.318	Hook orientation block bracket		1	
3	7.02.02.341	Hook orientation block		1	
4	7.02.15.940	Screw		2	
5	7.02.02.343	Fixed knife		1	
6	7.02.15.942	Screw		2	M2.5X0.4X3.3
7	7.02.01.305	Movable knife shaft		1	
8	7.02.02.342	Movable knife		1	
9	7.02.15.941	Screw		2	M3X2
10	7.02.15.047	Screw		0	M4X4
11	7.02.09.096	Ring		0	
12	7.02.03.367	Feed shaft		1	
13	7.02.15.047	Screw		0	M4X4
14	7.02.09.095	Ring		0	
15	7.02.15.122	Screw		2	SM1/4"X40X4
16	7.02.05.396	Crank		1	
17	7.02.18.042	Washer		1	φ4
18	7.02.15.063	Screw		1	M4X8
19		Connecting pin		1	
20	7.02.05.394	Thread releasing crank		1	
21	7.02.15.416	Screw		2	M5X12
22	7.02.05.398	Link		1	
23	7.02.03.370	Link shaft		1	
24	7.02.17.368	Spring		1	
25	7.02.18.296	Ring		1	GB/T894.1-1986 φ2
26	7.02.18.118	Pin		1	GB/T878-1986 φ2
27	7.02.01.306	Thread trimming cam link assy.		1	
28	7.02.15.047	Screw		2	
29	7.02.12.227	Adjusting block		1	
30	7.02.09.097	Ring			
31	7.02.18.030	Ring		1	GB/T894.1-1986 φ8
32	7.02.17.366	Spring		1	
33	7.02.17.367	Spring		1	
34	7.02.15.068	Nut		1	M5
35	7.02.01.307	Bearing assy.		1	
36	7.02.03.368	Vertical shaft		1	
37	7.02.08.416	Vertical shaft bushing		1	
38	7.02.15.054	Screw		2	M6X0.75X5
39	7.02.15.050	Screw		2	M6X0.75X8
40	7.02.07.216	Gear (3)		1	
41	7.02.15.947	Screw		1	
42	7.02.15.946	Screw		1	
43	7.02.07.217	Gear (2)		1	
44	7.02.15.945	Screw		2	
45	7.02.15.944	Screw		2	
46	7.02.07.218	Gear (1)		1	
47	7.02.07.219	Gear (4)		1	

# 16. Thread trimming components







## 17. Accessories

