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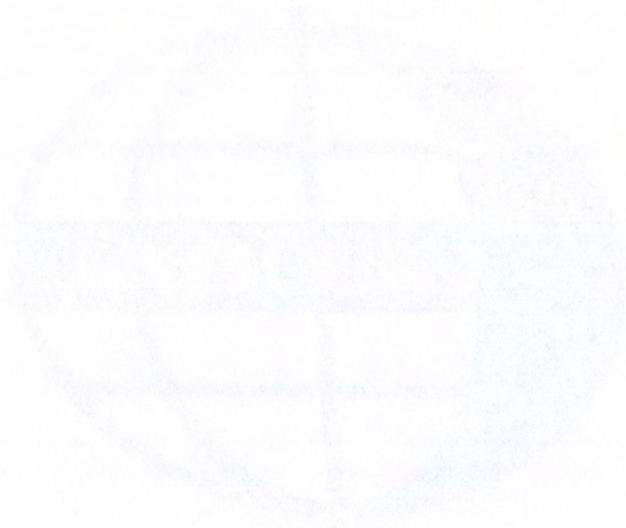
LP 8971-I-LH-AUT

DIRECT DRIVE POSTBED WITH LARGE
HOOK

Parts manual

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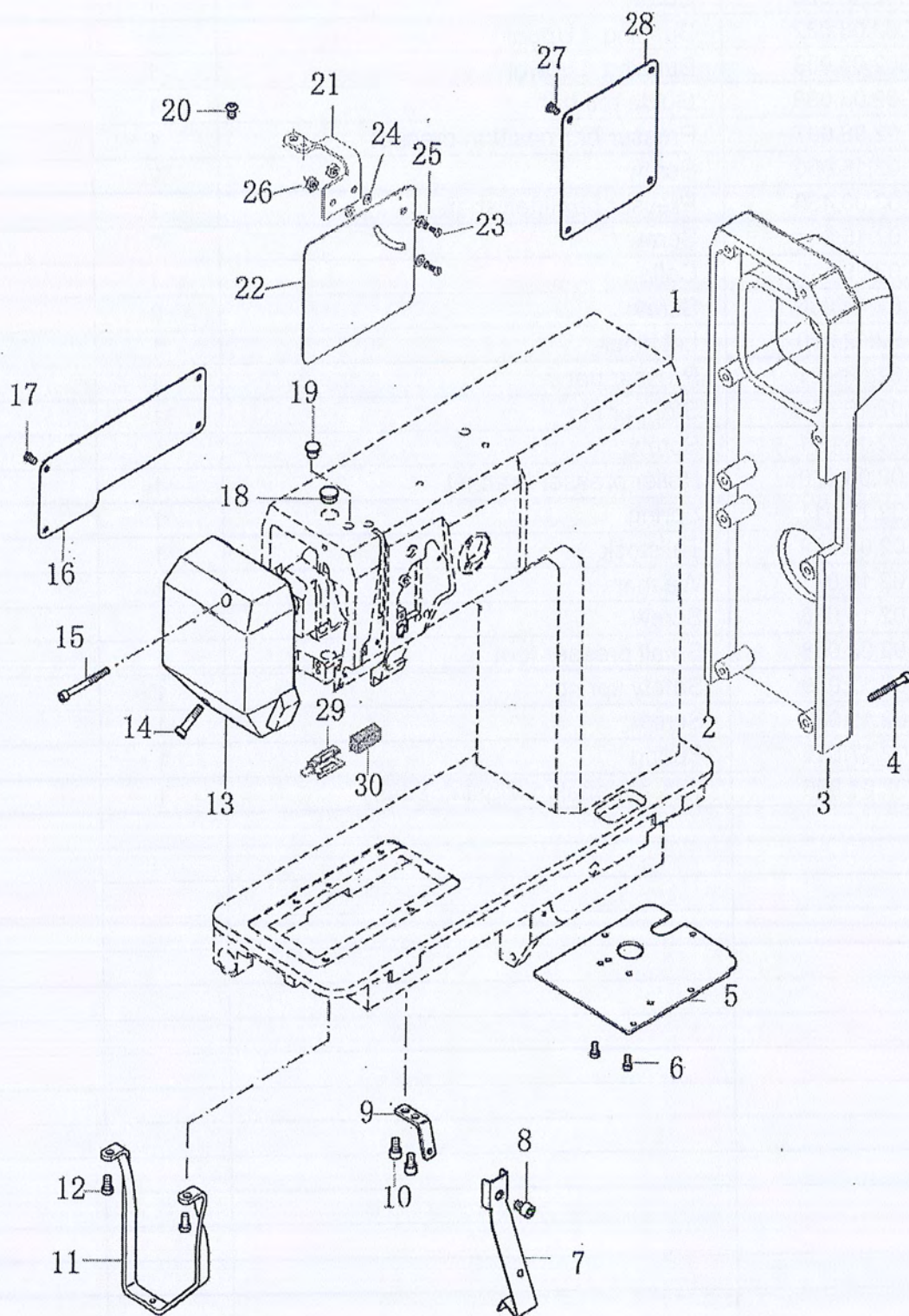
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A. Arm bed and its accessories

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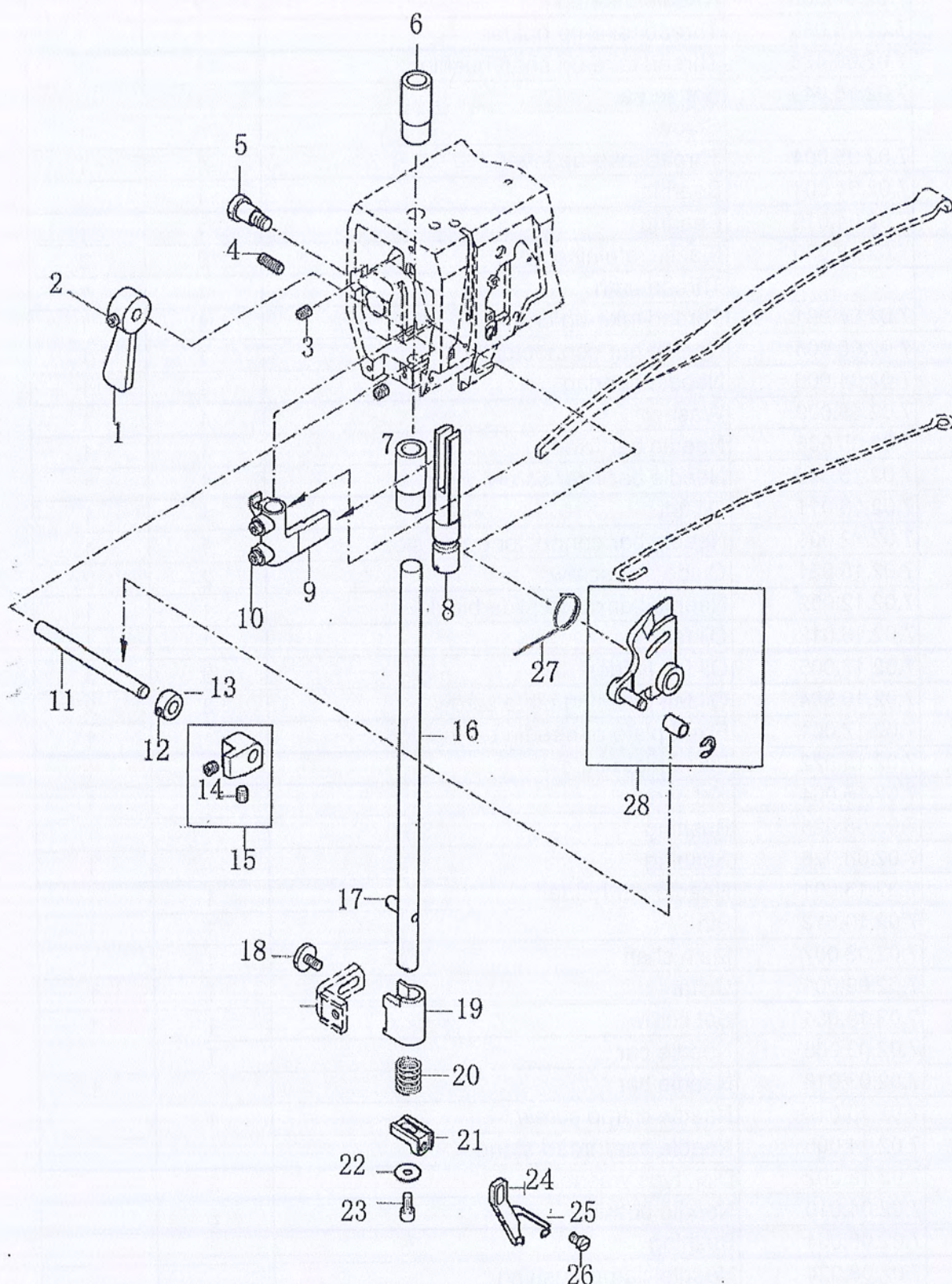
A. Arm bed and its accessories



B.Presser bar parts

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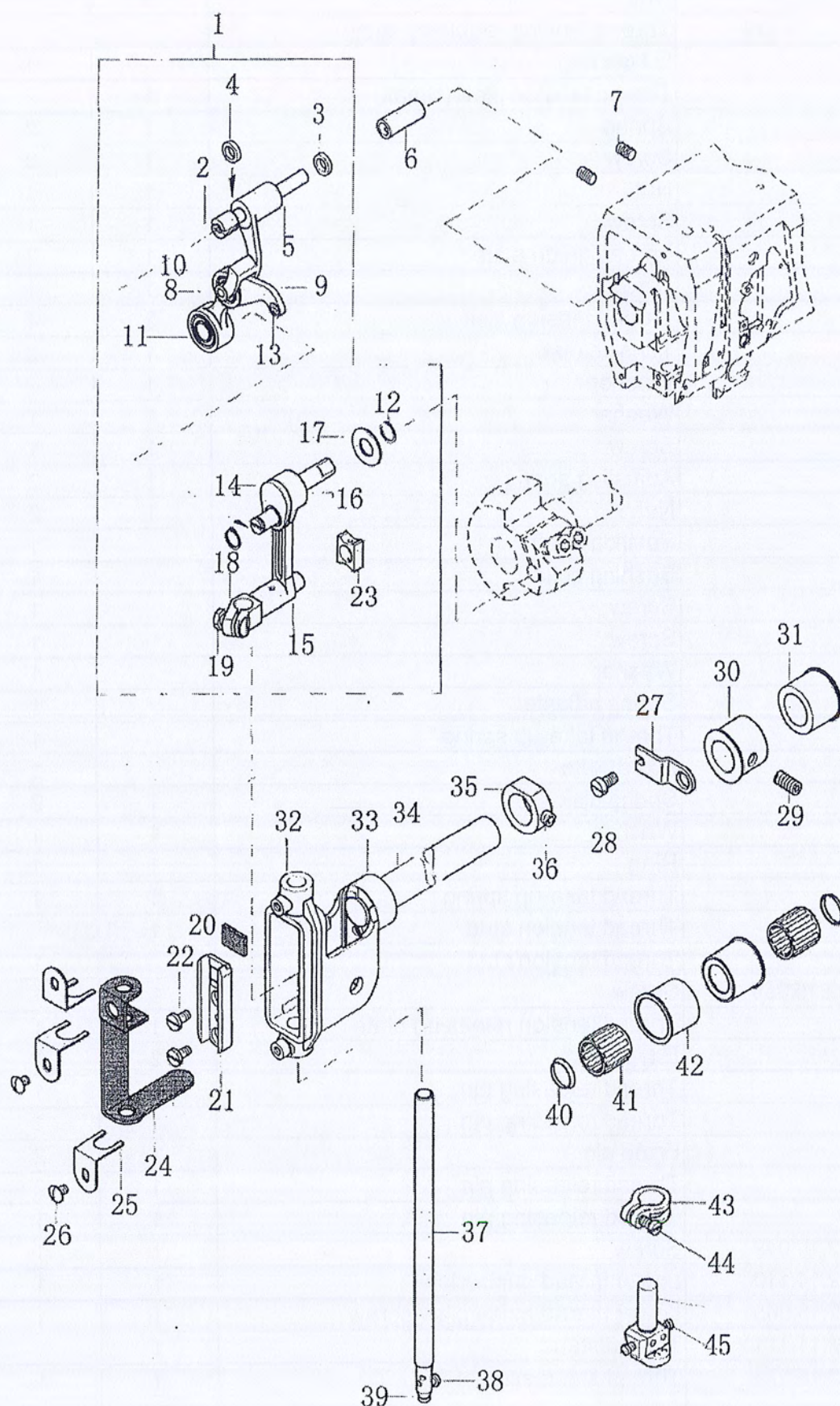
B.Presser bar parts



C. Needle bar holder parts

No.	Part No.	Name	1 Needle	2 Needle
1	7.02.01.353	Thread take-up assy.	1	1
2	7.02.10.462	Thread take-up fixed pin	1	1
3	7.02.09.003	Plastic stop ring	2	2
4	7.02.04.005	Needle bearing	2	2
5	7.02.05.003	Thread take-up holder	1	1
6	7.02.08.476	Thread take-up shaft bushing	1	1
7	7.02.15.049	Set screw	2	2
8		Screw	1	1
9	7.02.05.004	Thread take-up lever	1	1
10	7.02.04.004	Bearing	1	1
11	7.02.04.016	Bearing	1	1
12	7.02.18.030	Elastic retaining ring	2	2
13		Thread path	1	1
14	7.02.06.001	Thread take-up crank	1	1
15	7.02.05.005	Needle bar connector	1	1
16	7.02.04.006	Needle bearing	1	1
17	7.02.18.009	Washer	1	1
18	7.02.05.006	Needle bar fixer	1	1
19	7.02.15.066	Needle bar fixer screw	1	1
20	7.02.16.011	Oil felt	1	1
21	7.02.12.001	Needle bar connector guide slot	1	1
22	7.02.15.021	Guide slot screw	2	2
23	7.02.12.002	Needle bar guide slide block	1	1
24	7.02.16.012	Oil felt	1	1
25	7.02.17.005	Oil felt holder	3	3
26	7.02.15.964	Oil felt pressing plate screw	2	2
27	7.02.17.001	Fixed plate of needle bar holder		1
28	7.02.15.022	Fixed plate screw		1
29	7.02.15.064	Set screw		1
30	7.02.08.025	Bushing		1
31	7.02.08.026	Bushing		1
32	7.02.13.001	Needle bar holder	1	1
33	7.02.10.012	Pin	1	1
34	7.02.03.007	Main shaft	1	1
35	7.02.09.001	Collar	1	1
36	7.02.15.054	Set screw	1	1
37	7.02.03.006	Needle bar	1	
	7.02.03.018	Needle bar		1
38	7.02.15.019	Needle clamp screw	1	
39	7.02.14.005	Needle bar thread stand		
40	7.02.18.002	Disk type washer	2	
41	7.02.04.010	Needle bearing	2	
42	7.02.08.004	Bushing	2	
43	7.02.08.024	Needle clamp bushing		1
44	7.02.15.040	Bushing screw		1
45	7.02.02.503	Needle holder		1
46		Needle holder screw		2

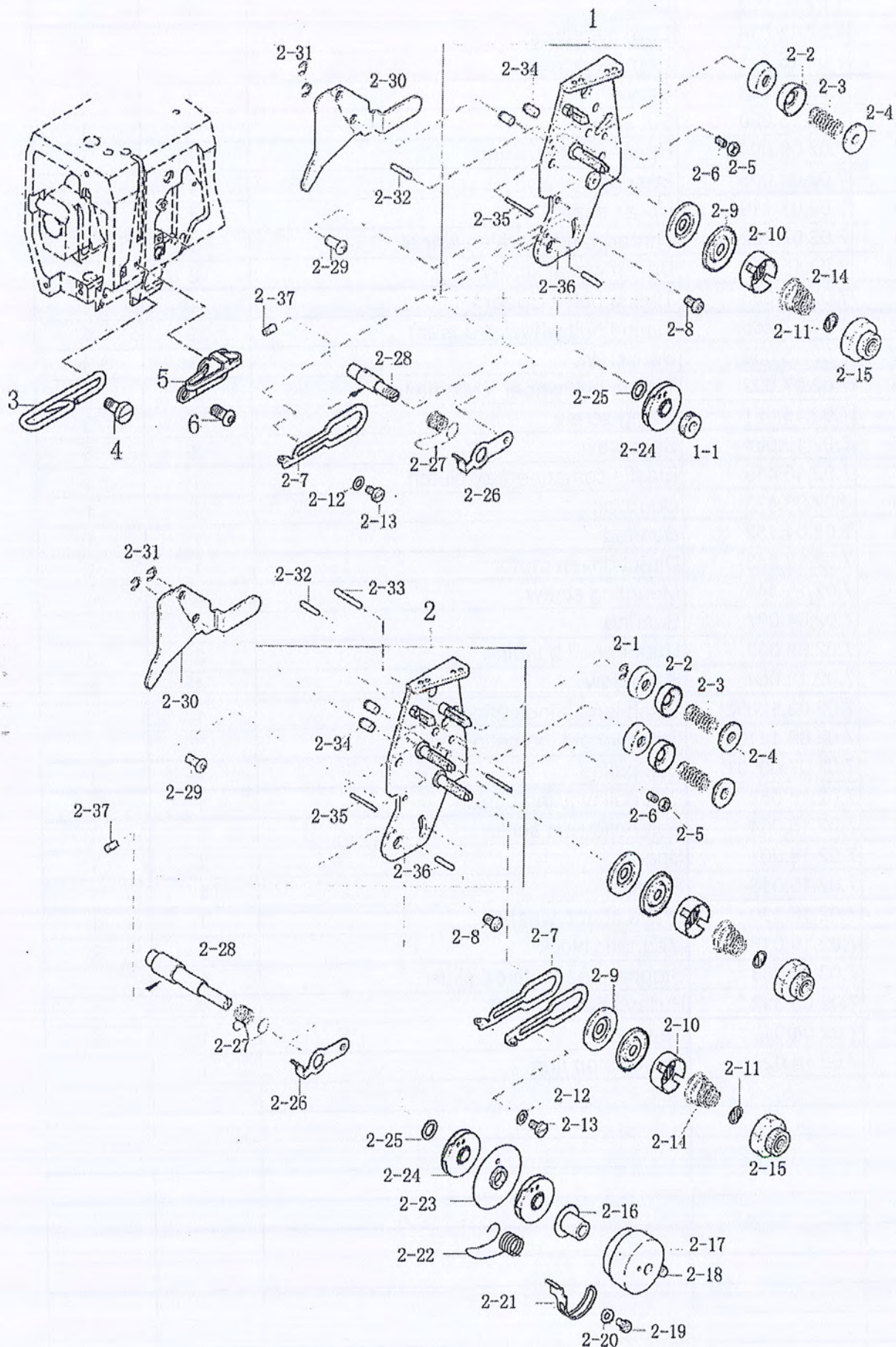
C. Needle bar holder parts



D.Thread tension regulator parts

No.	Part No.	Name	1 Needle	2 Needle
1	7.02.01.280	Thread tension regulator assy.	1	
1-1		Nut	1	
2	7.02.01.282	Thread tension regulator assy.		1
2-1.		E type ring		1
2-2.		Thread tension plate(Small)	1	2
2-3.		Spring	1	2
2-4.		Screw	1	2
2-5.		Nut	1	1
2-6.		Screw	1	1
2-7.		Thread guide plate	1	2
2-8.		Screw	1	1
2-9.		Thread tension disk	2	4
2-10.		Tension disk	1	2
2-11.		Washer	1	2
2-12.		Washer	1	1
2-13.		Screw	1	1
2-14.		Adjusting spring	1	2
2-15.		Nut	1	2
2-16.		Position shaft		1
2-17.		Bushing collar		1
2-18.		Screw		1
2-19.		Screw		1
2-20.		Washer		1
2-21.		Spring adjuster		1
2-22.		Thread take-up spring		1
2-23.		Fixed plate		1
2-24.		Spring disk	1	2
2-25.		Washer	1	1
2-26.		Ring	1	1
2-27.		Thread take-up spring	1	1
2-28.		Thread tension stud	1	
2-28-1		Thread tension stud		1
2-29	7.02.15.960	Screw	1	1
2-30		Thread tension releasing plate	1	1
2-31		E type ring	2	2
2-32		Thread releasing pin	1	1
2-33		Thread releasing pin	1	1
2-34		Fixed pin	2	2
2-35		Thread releasing pin	1	2
2-36		Thread releasing pin	1	1
2-37	7.02.15.049	Screw	1	1
3	7.02.14.110	Lower thread guide claw	1	1
4	7.02.15.965	Lower thread guide claw screw	1	1
5	7.02.14.111	Thread stand	1	1
6	7.02.15.973	Thread stand screw	1	1

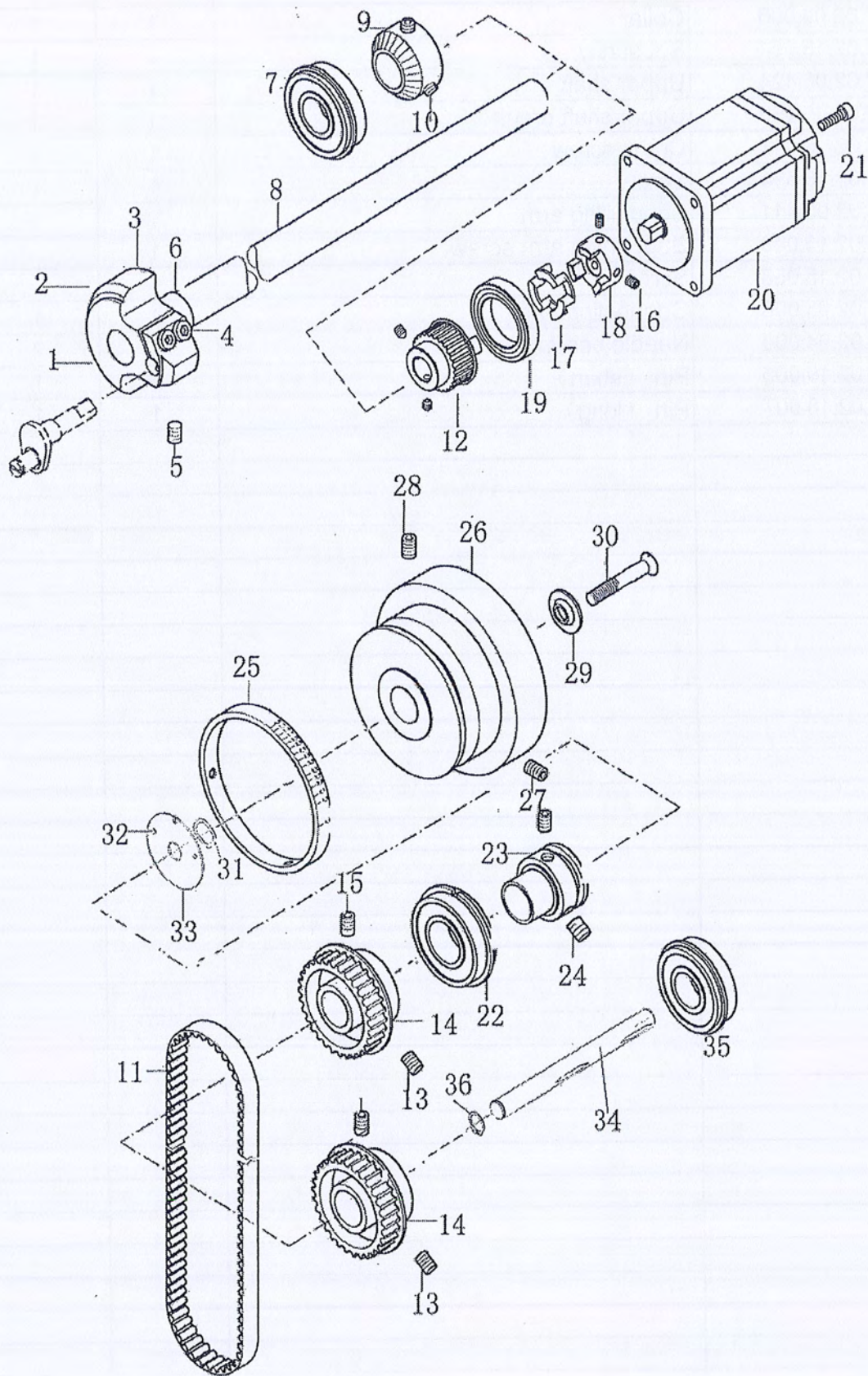
D.Thread tension regulator parts



E. Main shaft driving parts

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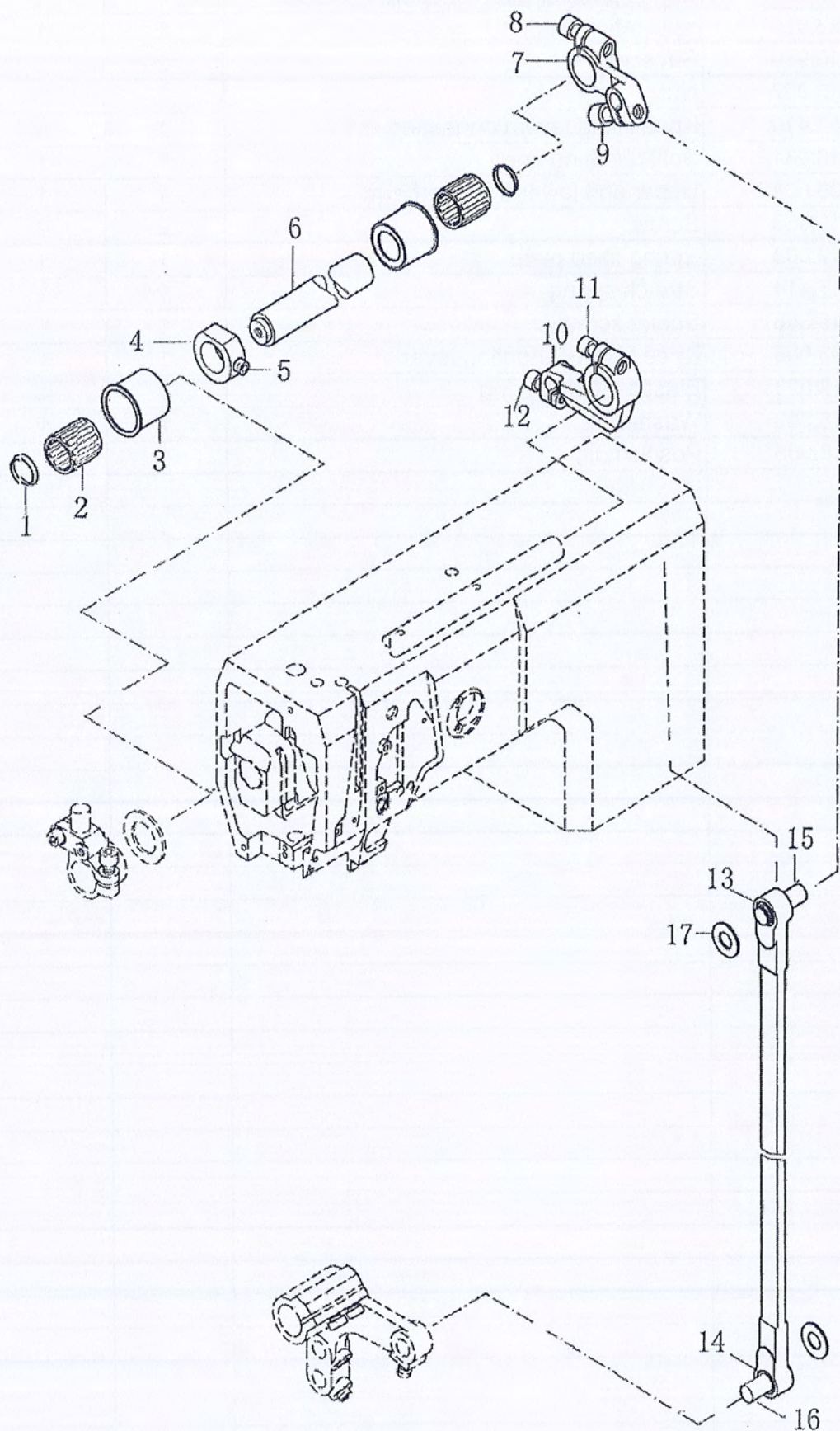
E. Main shaft driving parts



F. Upper side shaft feed parts

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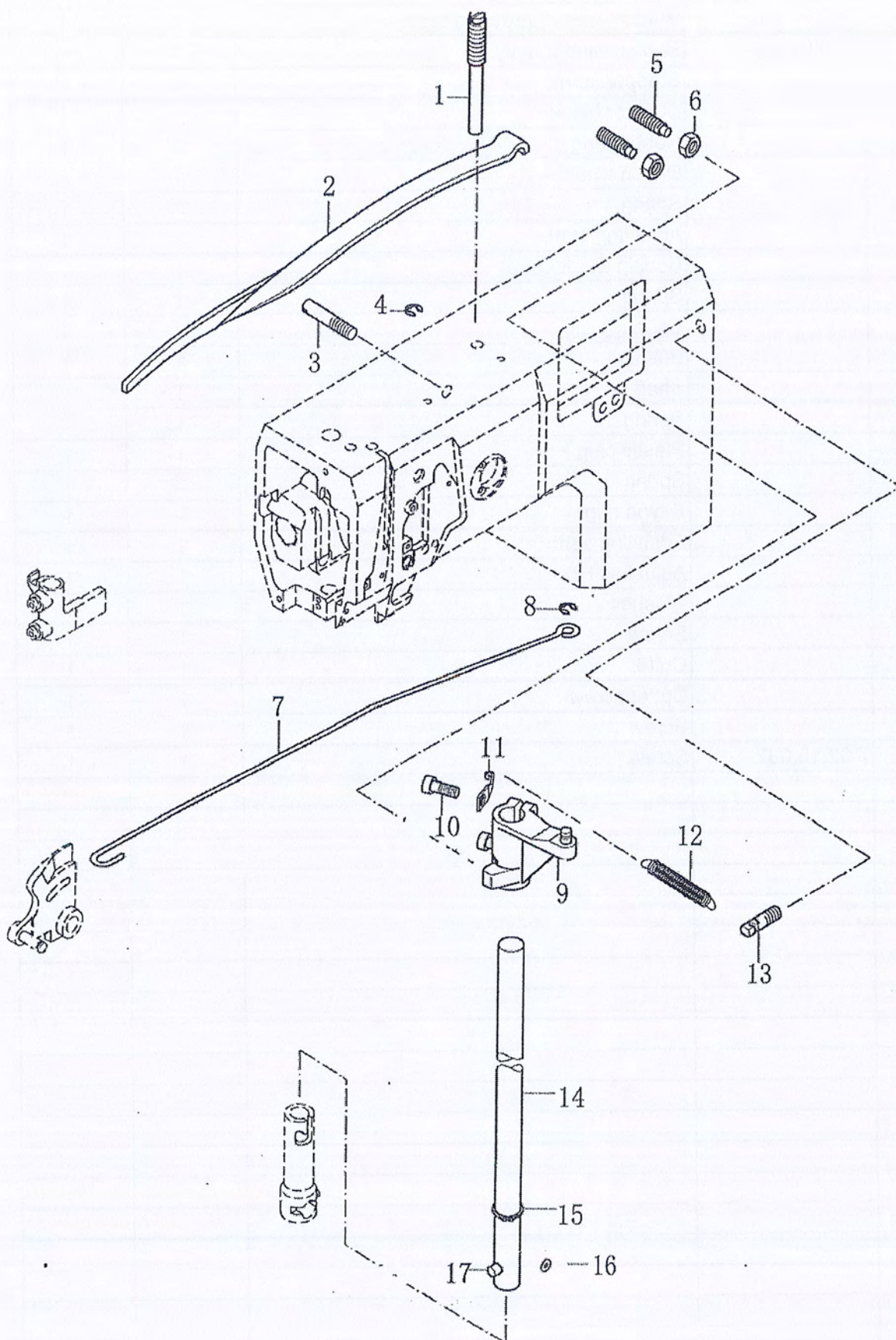
F. Upper side shaft feed parts



G. Presser foot lifting parts

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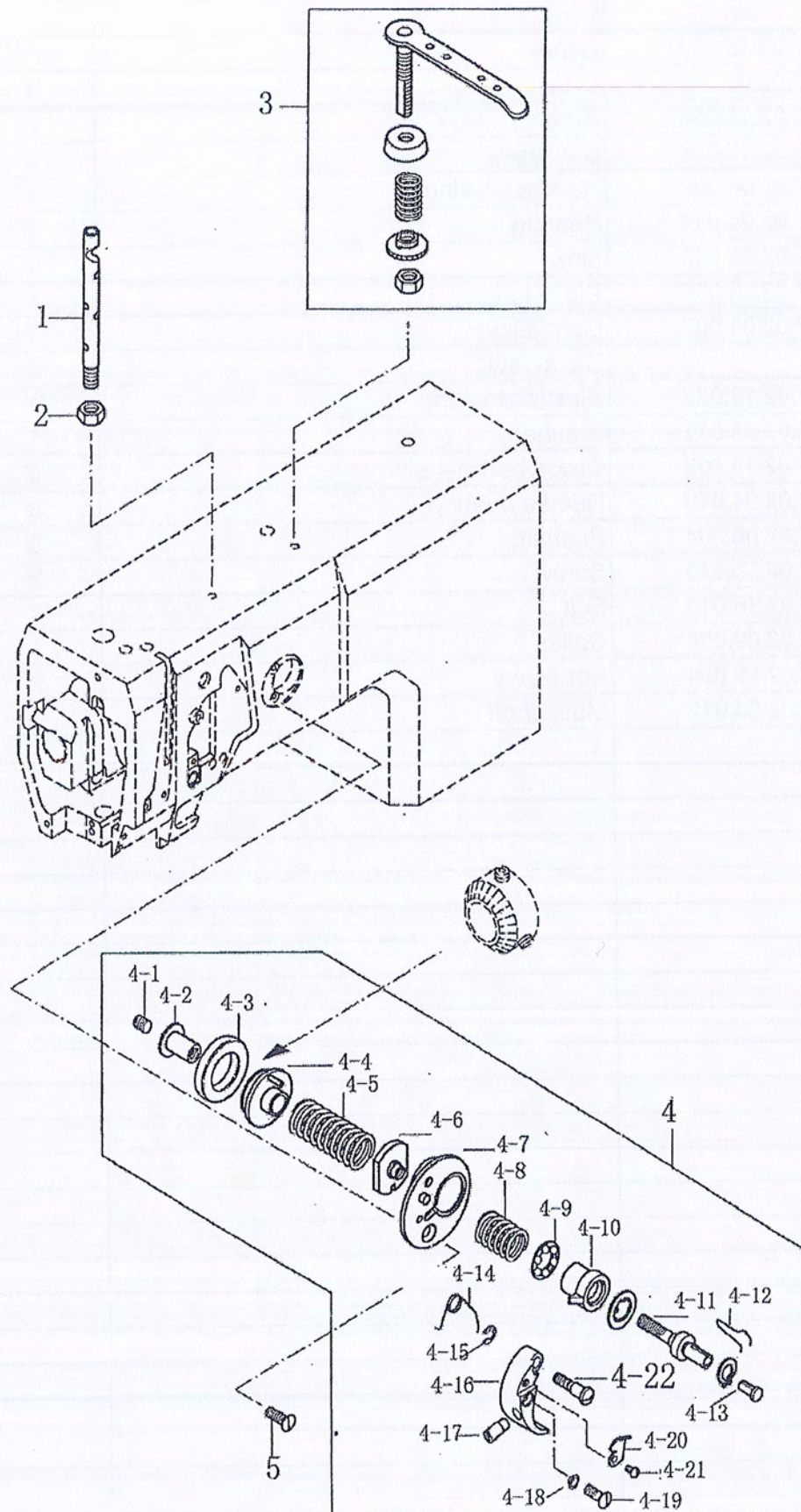
G. Presser foot lifting parts



H. Bobbin winder parts

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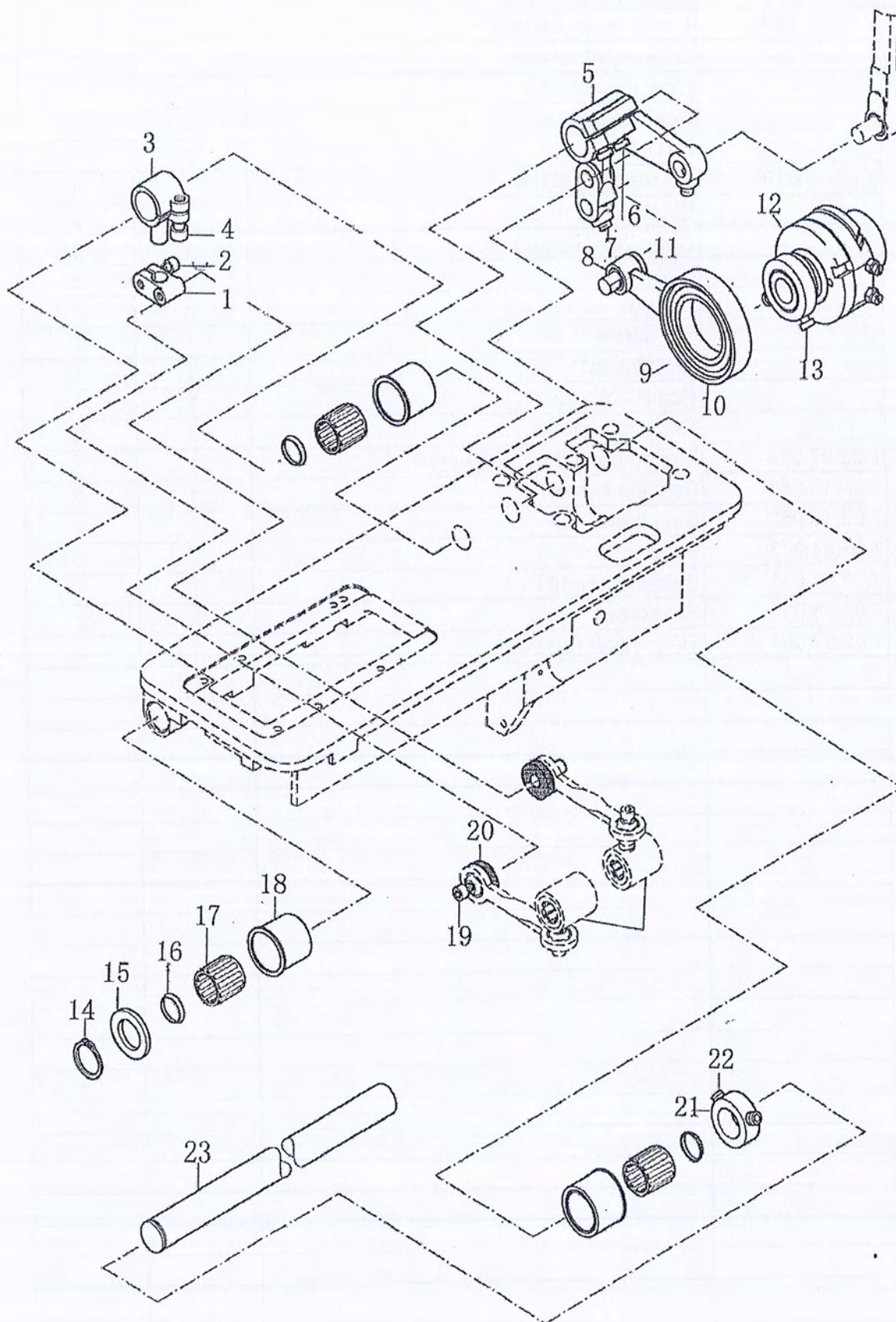
H. Bobbin winder parts



1. Stitch length adjustment parts

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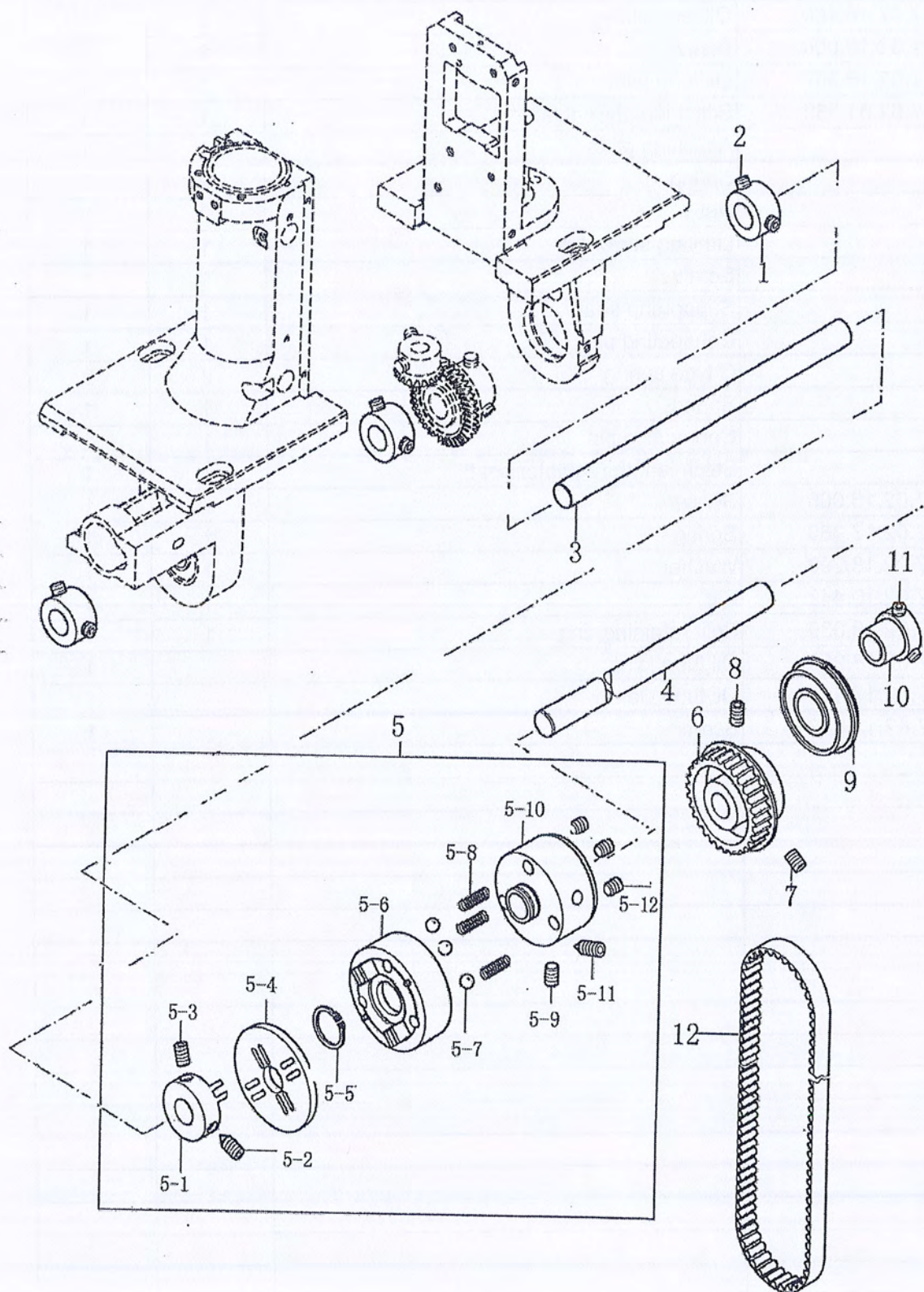
I. Stitch length adjustment parts



J. Clutch set parts

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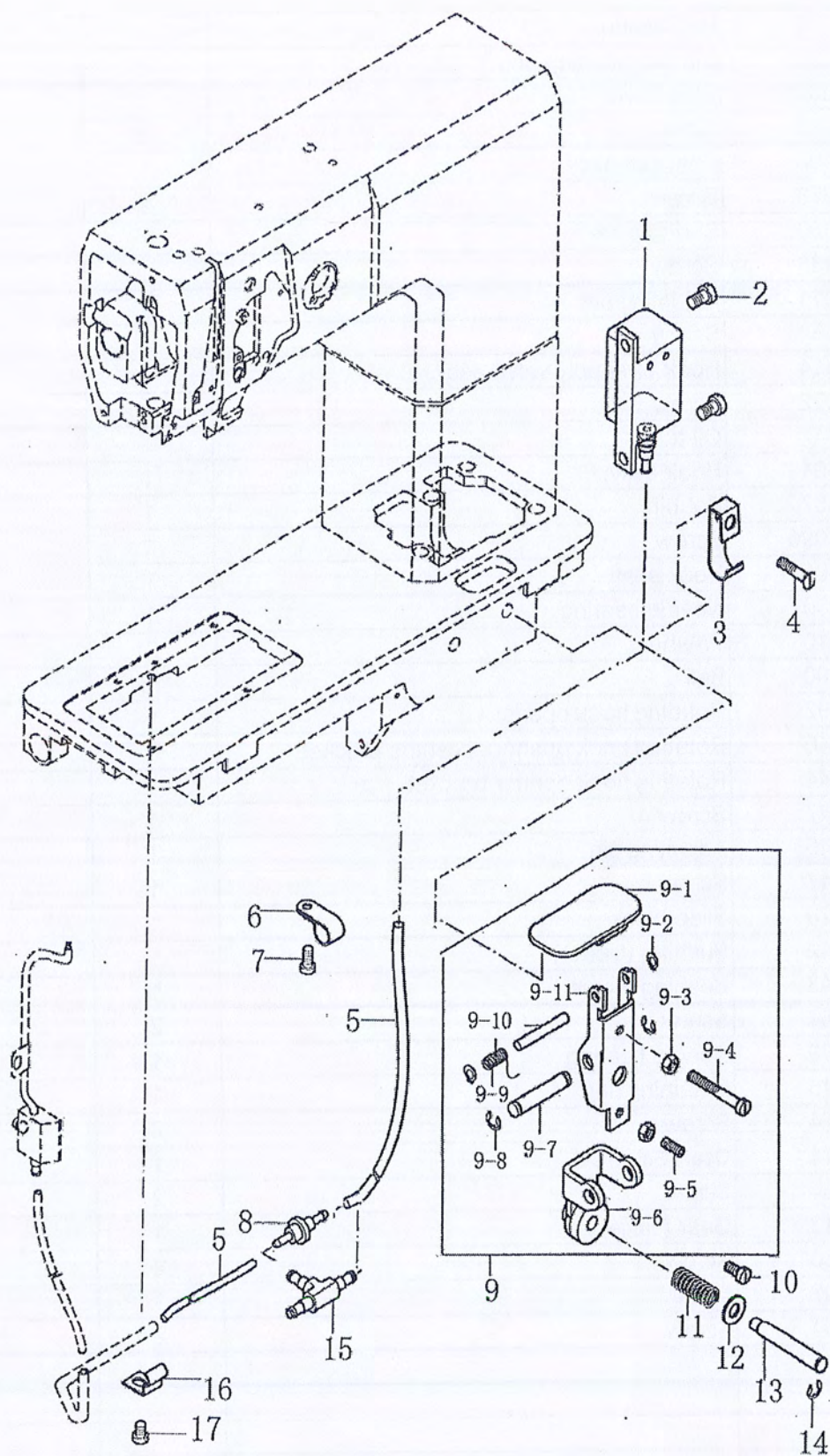
J. Clutch set parts



K. Oil lubrication parts

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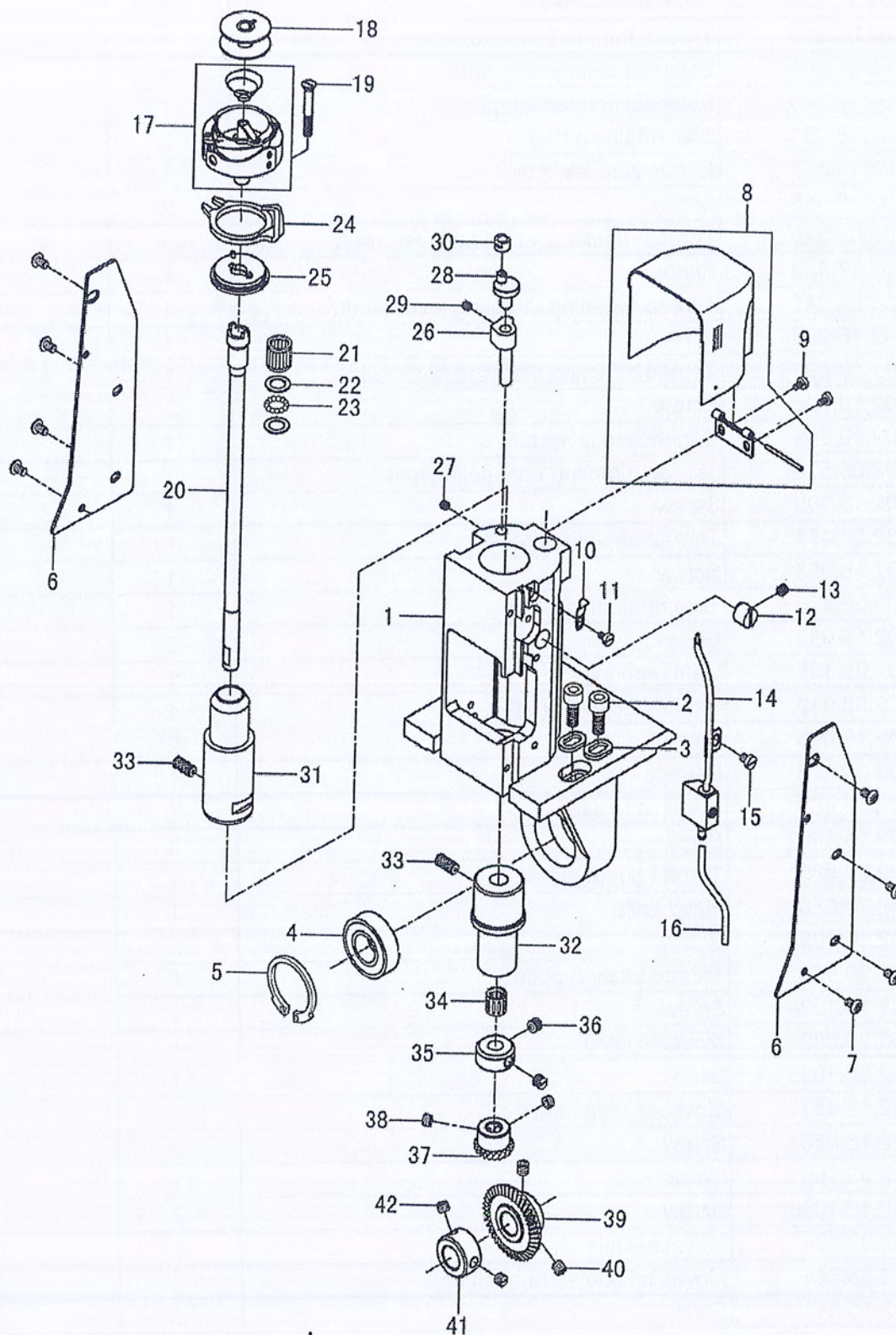
K. Oil lubrication parts



L.Right side bracket parts

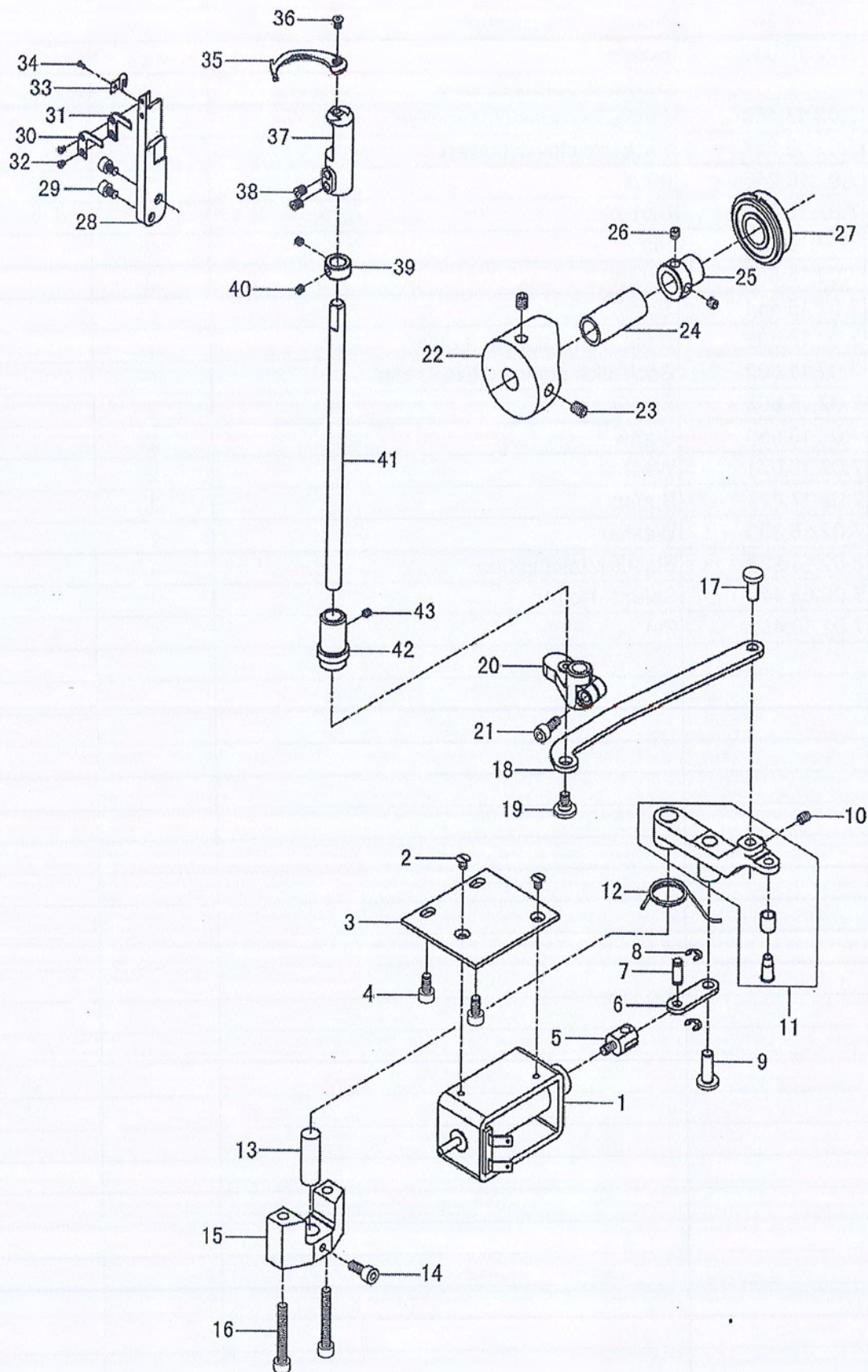
No.	Part No.	Name	1 Needle	2 Needle
1	7.02.13.45001	Single needle side bracket	1	
2	7.02.15.965	Screw	2	
3	7.02.18.003	Washer	2	
4	7.02.04.110	Ball bearing	2	
5	7.02.18.250	Elastic retaining ring	2	
6	7.02.11.60001	Side cover	2	
7	7.02.15.973	Screw	8	
8	7.02.02.590	Post cap assy.	1	
9	7.02.15.973	Screw	2	
10	7.02.17.350	Spring plate	1	
11	7.02.15.433	Screw	1	
12	7.02.10.011	Adjusting pin	1	
13	7.02.15.056	Screw	1	
14	7.02.16.514	Hook oil supply valve assy.	1	
15	7.02.15.022	Screw	1	
16	7.02.16.047	Oil tube	1	
17	7.02.02.591	Hook assy.	1	
18	7.02.21.567	Bobbin	1	
19	7.02.15.1090	Screw	1	
20	7.02.03.505	Hook shaft	1	
21	7.02.04.200	Needle bearing	1	
22	7.02.18.410	Washer	2	
23	7.02.04.100	Ball	13	
24	7.02.02.592	Rotating hook opener	1	
25	7.02.08.540	Rotating hook opener eccentric bracket	1	
26	7.02.08.541	Rotating hook opener bracket	1	
27	7.02.15.047	Screw	1	
28	7.02.10.545	Adjusting pin	1	
29	7.02.15.047	Screw	1	
30	7.02.12.320	Slide block	1	
31	7.02.08.542	Bushing (Upper)	1	
32	7.02.08.543	Bushing (Lower)	1	
33	7.02.15.064	Screw	2	
34	7.02.04.009	Needle bearing	1	
35	7.02.09.115	Retaining ring	1	
36	7.02.15.054	Screw	2	
37	7.02.07.011	Gear (Small)	1	
38	7.02.15.054	Screw	2	
39	7.02.07.012	Gear (Large)	1	
40	7.02.15.050	Screw	2	
41	7.02.09.007	Collar	1	
42	7.02.15.054	Screw	2	

L.Right side bracket parts



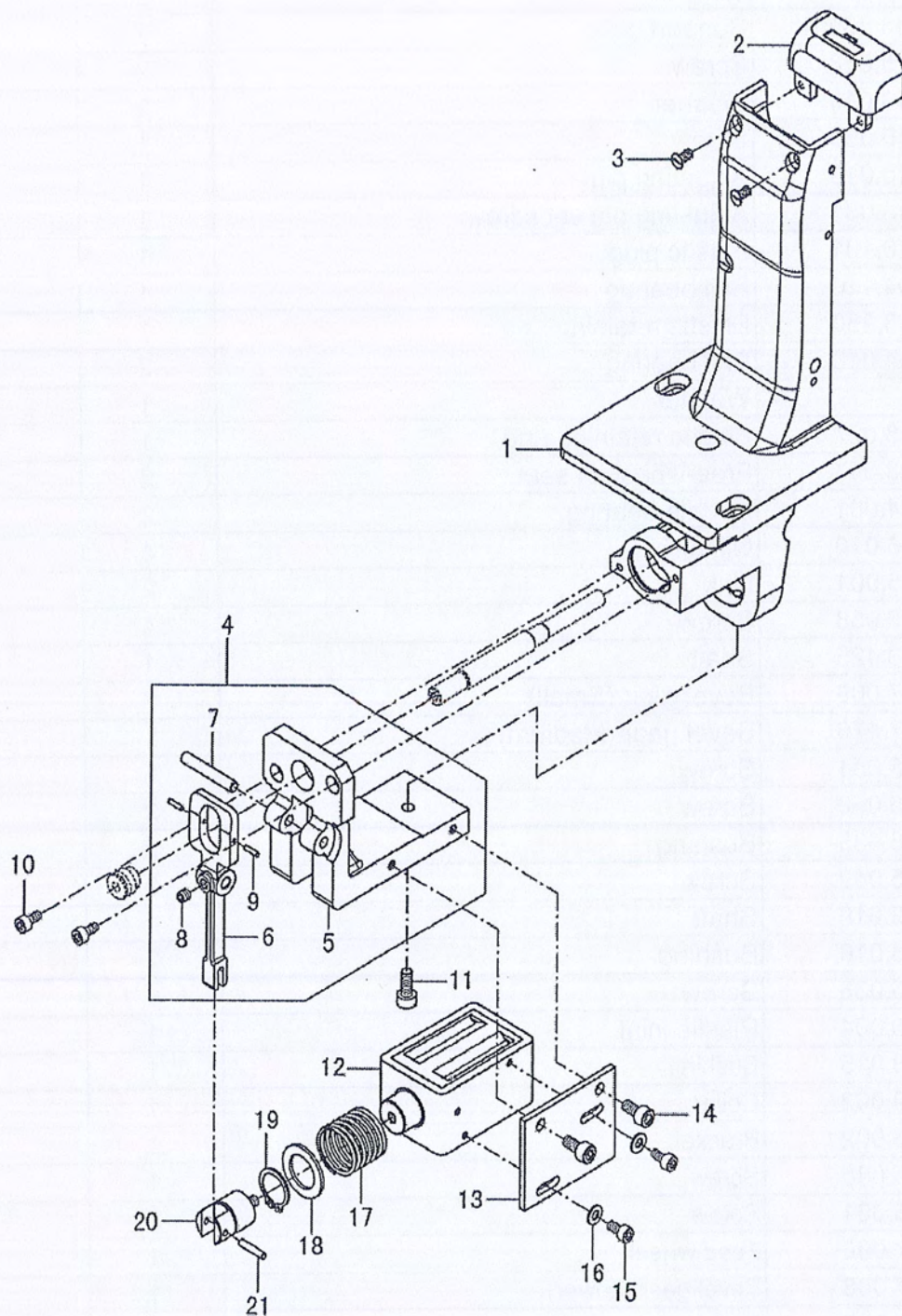
M.Thread trimming parts

No.	Part No.	Name	1 Needle	2 Needle
1	7.02.19.391	Thread trimming solenoid	1	
2	7.02.15.797	Screw	2	
3	7.02.11.387	Fixed plate	1	
4	7.02.15.803	Fixed plate screw	2	
5	7.02.05.528	Thread trimming solenoid joint	1	
6	7.02.11.601	Solenoid connecting plate	1	
7	7.02.10.546	Solenoid connecting pin	1	
8	7.02.18.031	Split retaining ring	2	
9	7.02.10.367	Connecting lever pin	1	
10	7.02.15.056	Screw	2	
11	7.02.05.525	Thread trimming vibrating lever assy.	1	
12	7.02.17.490	Spring	1	
13	7.02.03.341	Thread trimming vibrating lever shaft	1	
14	7.02.15.908	Screw	1	
15	7.02.13.293	Thread trimming vibrating lever seat	1	
16	7.02.15.798	Screw	2	
17	7.02.10.369	Connecting lever pin	1	
18	7.02.05.526	Thread trimming connecting lever	1	
19	7.02.15.1091	Screw	1	
20	7.02.06.471	Thread trimming crank	1	
21	7.02.15.053	Screw	1	
22	7.02.06.470	Thread trimming cam	1	
23	7.02.15.050	Screw	2	
24	7.02.09.165	Cam gap ring	1	
25	7.02.08.010	Bearing bushing (left)	1	
26	7.02.15.056	Screw	2	
27	7.02.04.012	Bearing	1	
28	7.02.13.451	Fixed knife seat	1	
29	7.02.15.1092	Screw	2	
30	7.02.20.083	Thread guard plate	1	
31	7.02.20.080	Fixed knife	1	
32	7.02.15.1093	Screw	2	
33	7.02.20.081	Thread tension plate	1	
34	7.02.15.1094	Screw	1	
35	7.02.20.082	Movable knife	1	
36	7.02.15.1095	Screw	1	
37	7.02.13.452	Movable knife seat	1	
38	7.02.15.056	Screw	2	
39	7.02.09.166	Collar	1	
40	7.02.15.1096	Screw	2	
41	7.02.03.506	Movable knife shaft	1	
42	7.02.08.544	Movable knife shaft bushing	1	
43	7.02.15.047	Screw	1	



N.Single needle bed plate backstitch parts

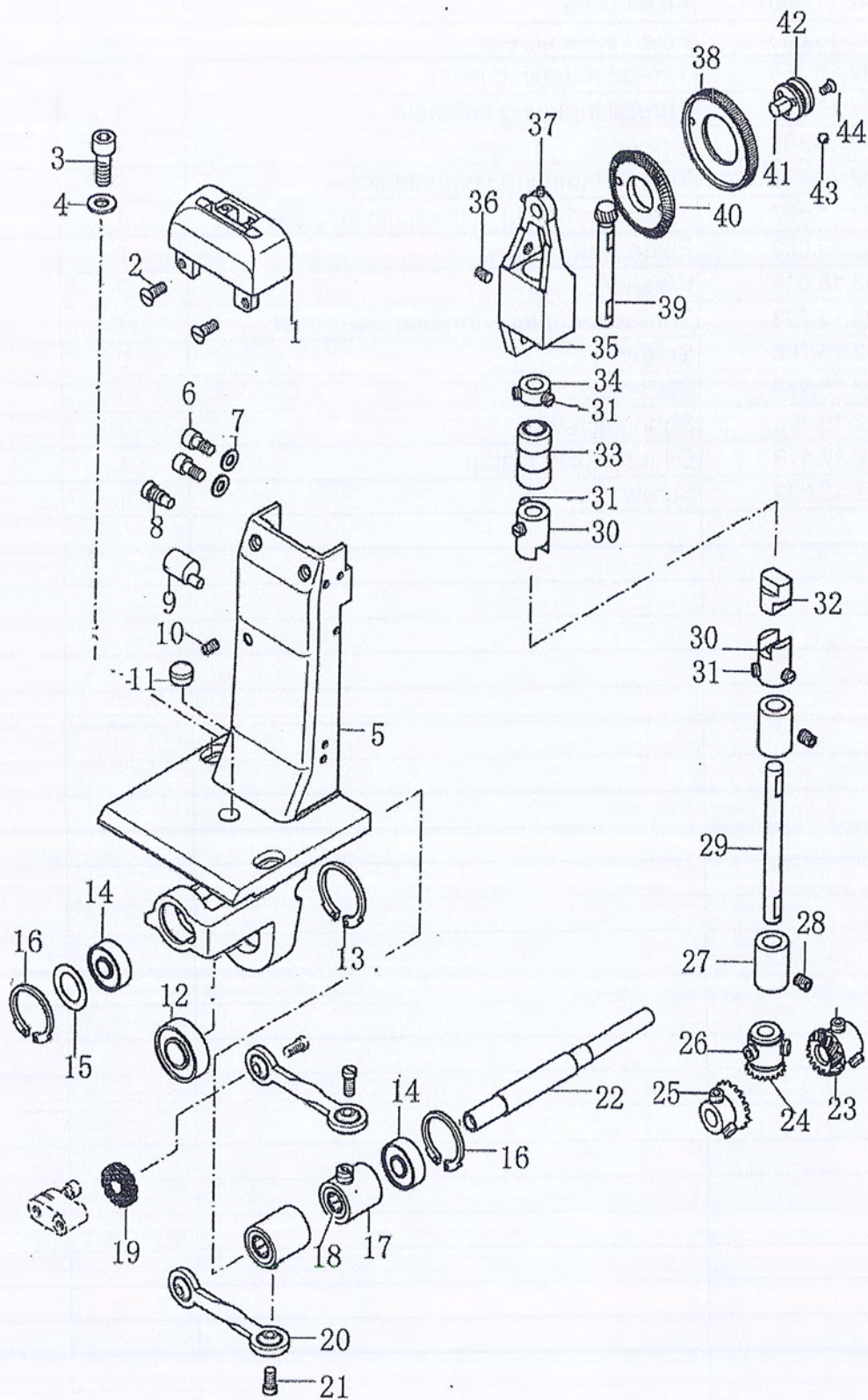
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O. Bed plate feed parts

No.	Part No.	Name	1 Needle	2 Needle
1	7.02.02.397	Needle plate (Middle hole)	1	
	7.02.02.398	Needle plate (Small hole)	1	
2	7.02.15.032	Needle plate screw	2	
3	7.02.15.965	Screw	2	
4	7.02.18.003	Washer	2	
5	7.02.13.28901	Support plate	1	
6	7.02.15.053	Screw	2	
7	7.02.18.016	Washer	2	
8	7.02.15.030	Screw	1	
9	7.02.10.010	Adjusting pin	1	
10	7.02.15.031	Adjusting pin set screw	1	
11	7.02.16.101	Plastic plug	1	
12	7.02.04.110	Ball bearing	1	
13	7.02.18.250	Elastic retaining ring	1	
14	7.02.04.016	Ball bearing	2	
15		Washer	1	
16	7.02.18.027	Elastic retaining ring	1	
17	7.02.08.017	Free-wheeling seat	2	
18	7.02.04.001	Needle bearing	2	
19	7.02.16.010	Oil felt	4	
20	7.02.05.001	Link	2	
21	7.02.15.958	Screw	4	
22	7.02.03.425	Shaft	1	
23	7.02.07.009	Bevel gear (Small)	2	
24	7.02.07.170	Bevel gear (Medium)	1	
25	7.02.15.054	Screw	4	
26	7.02.15.050	Screw	2	
27	7.02.08.035	Bushing	2	
28	7.02.15.049	Screw	2	
29	7.02.03.019	Shaft	1	
30	7.02.08.016	Bushing	2	
31	7.02.15.036	Screw	6	
32	7.02.16.004	Plastic joint	1	
33	7.02.08.015	Bushing	1	
34	7.02.09.002	Collar	1	
35	7.02.13.002	Bracket	1	
36	7.02.15.035	Screw	1	
37	7.02.15.061	Screw	2	
38	7.02.07.006	Feed wheel	1	
39	7.02.07.008	Bevel gear (Lower)	1	
40	7.02.07.007	Bevel gear (Upper)	1	
41	7.02.10.002	Roller bracket (Upper)	1	
42	7.02.10.004	Roller bracket (Lower)	1	
43	7.02.04.021	Ball (φ2)	24	
44	7.02.15.034	Screw	3	

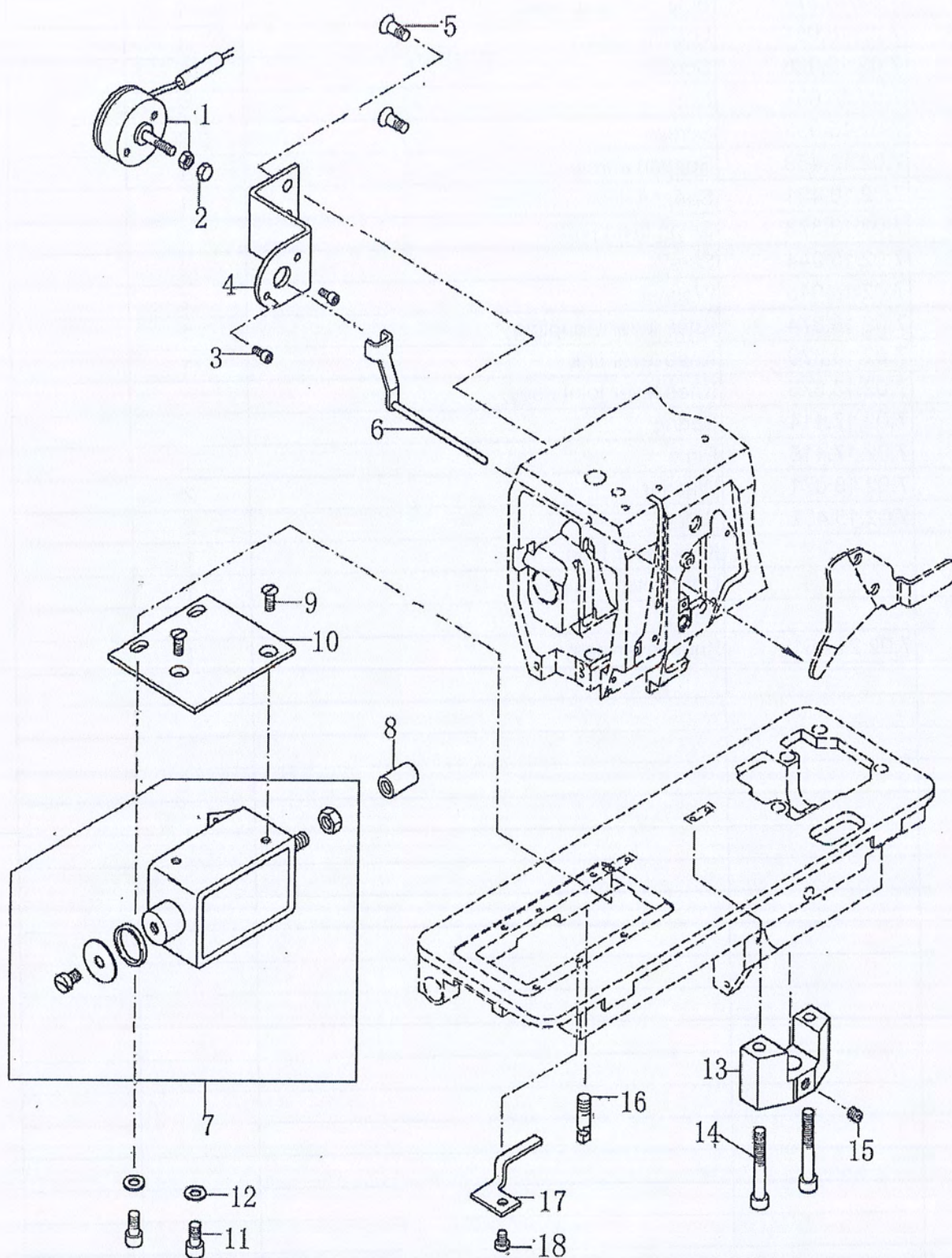
O. Bed plate feed parts



P. Solenoid for thread trimming parts

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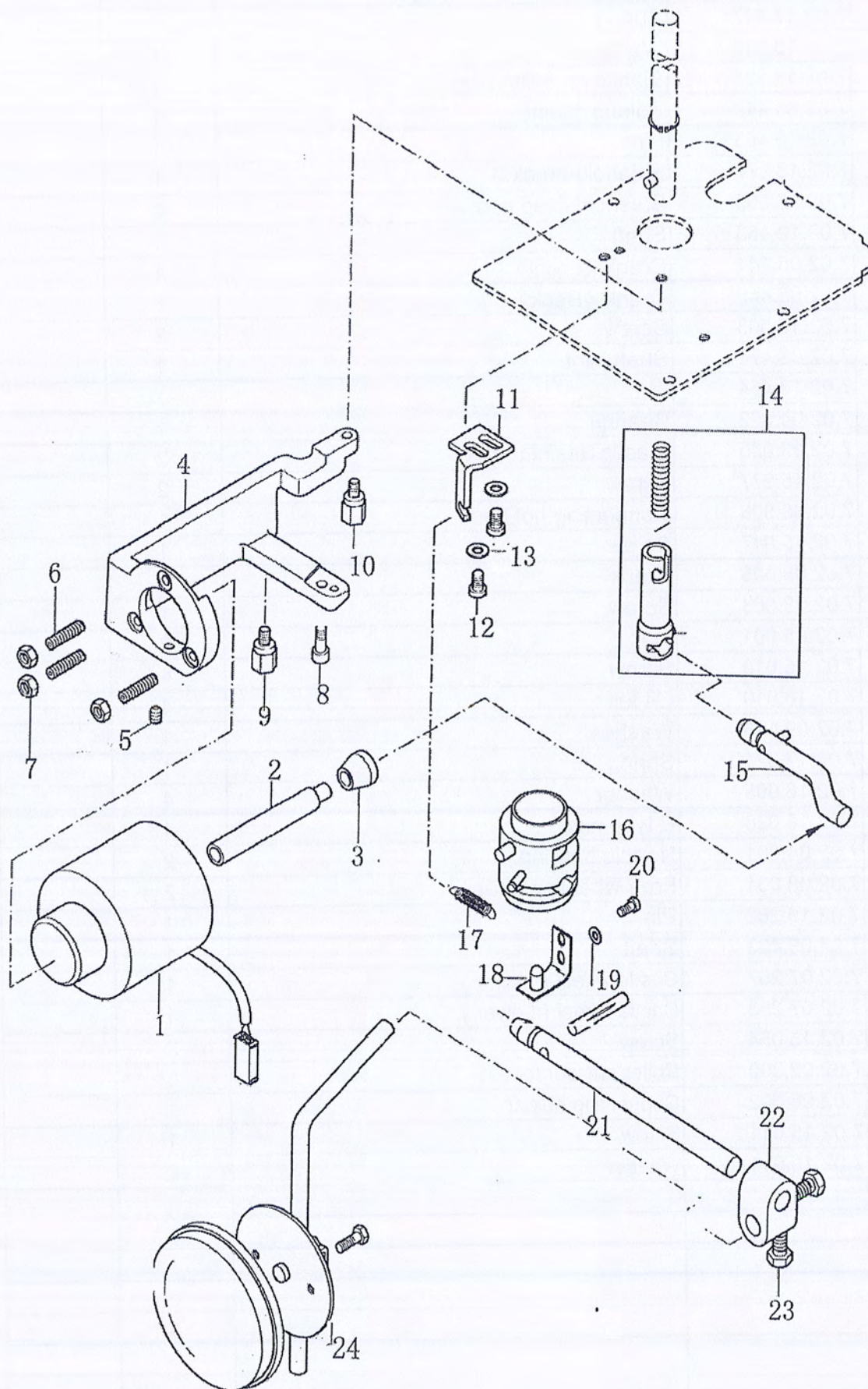
P. Solenoid for thread trimming parts



Q. Solenoid for presser foot lifting parts

[illegible]

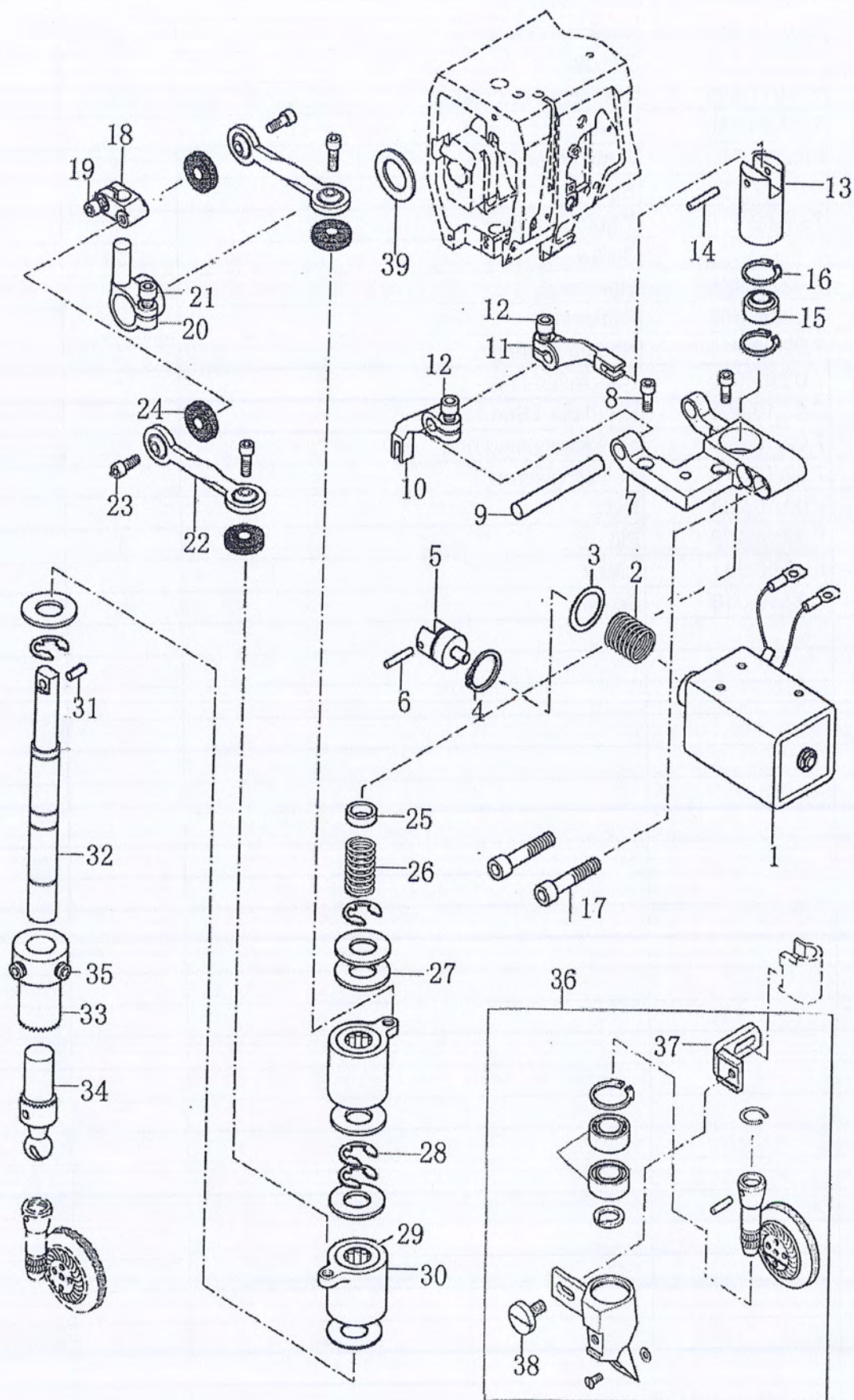
Q. Solenoid for presser foot lifting parts



R. Upper feed and backstitch parts

No.	Part No.	Name	1 Needle	2 Needle
1	7.02.19.347	Backtack solenoid (Upper)	1	
2	7.02.17.417	Spring	1	
3	7.02.18.330	Washer	1	
4	7.02.18.223	Elastic retaining ring	1	
5	7.02.05.449	Solenoid joint	1	
6	7.02.10.455	Pin	1	
7	7.02.13.377	Solenoid bracket	1	
8	7.02.15.555	Solenoid fixed screw	2	
9	7.02.10.453	Shaft	1	
10	7.02.05.444	Crank (Front)	1	
11	7.02.05.443	Crank (Back)	1	
12	7.02.15.803	Screw	2	
13	7.02.08.471	Shaft joint	1	
14	7.02.10.454	Pin	1	
15	7.02.04.002	Bearing	1	
16	7.02.18.025	Elastic retaining ring	2	
17	7.02.15.977	Screw	2	
18	7.02.08.006	Connecting holder	1	
19	7.02.15.017	Screw	1	
20	7.02.08.005	Crank	1	
21	7.02.15.053	Screw	1	
22	7.02.05.001	Link	2	
23	7.02.15.010	Screw	4	
24	7.02.16.010	Oil felt	4	
25	7.02.09.116	Washer	1	
26	7.02.17.321	Spring	1	
27	7.02.18.005	Washer	4	
28	7.02.18.028	E type ring	4	
29	7.02.04.001	Needle bearing	2	
30	7.02.08.001	Free-wheeling seat	2	
31	7.02.10.262	Pin	1	
32	7.02.03.423	Shaft	1	
33	7.02.07.267	Castle wheel (Upper)	1	
34	7.02.07.268	Castle wheel (Lower)	1	
35	7.02.15.054	Screw	2	
36	7.02.02.390	Roller presser foot	1	
37	7.02.05.002	Connecting holder	1	
38	7.02.15.011	Screw	1	
39	7.02.15.011	Washer	1	

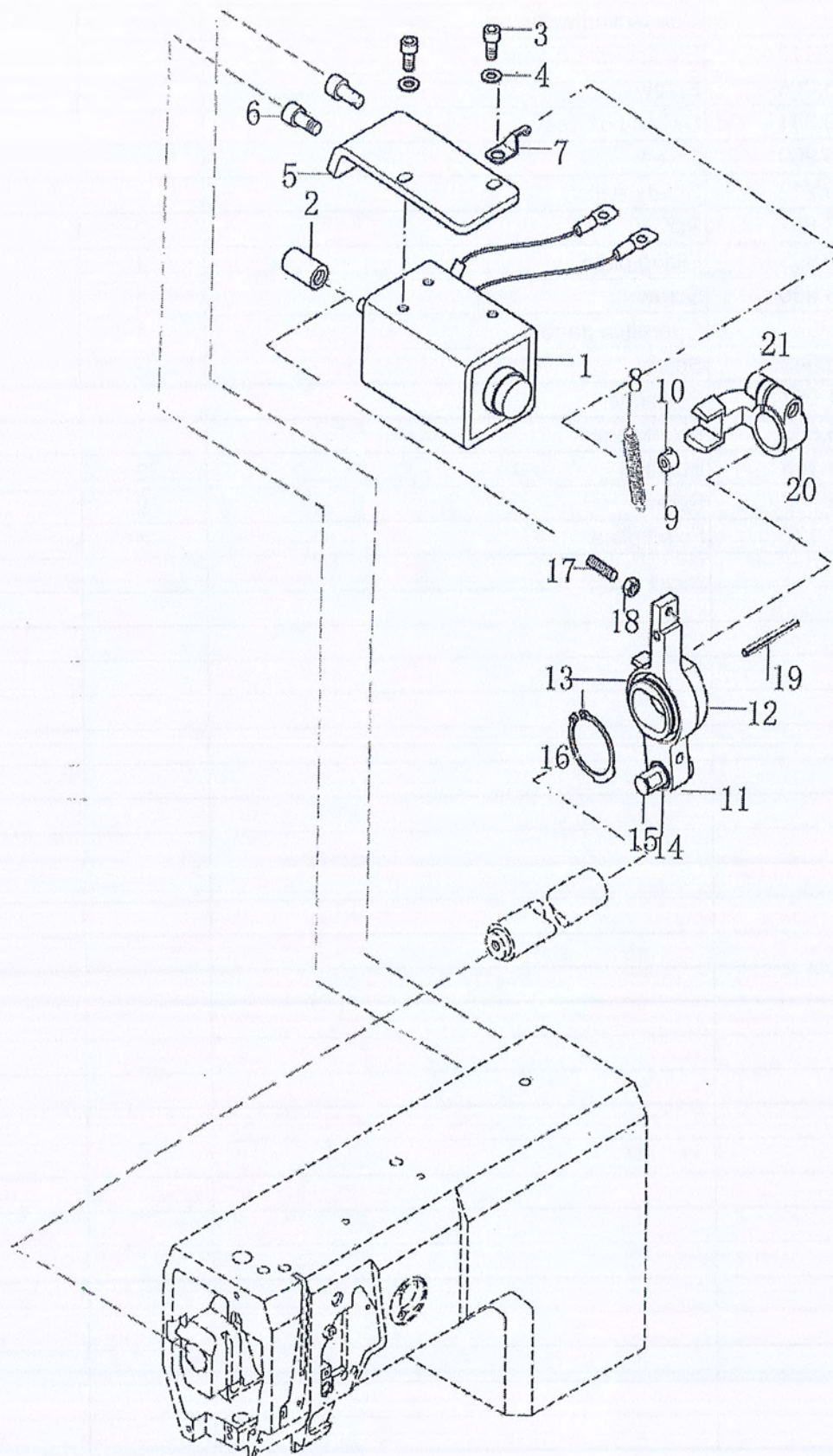
R. Upper feed and backstitch parts



S.Lower feed and backstitch parts for single needle

[illegible]

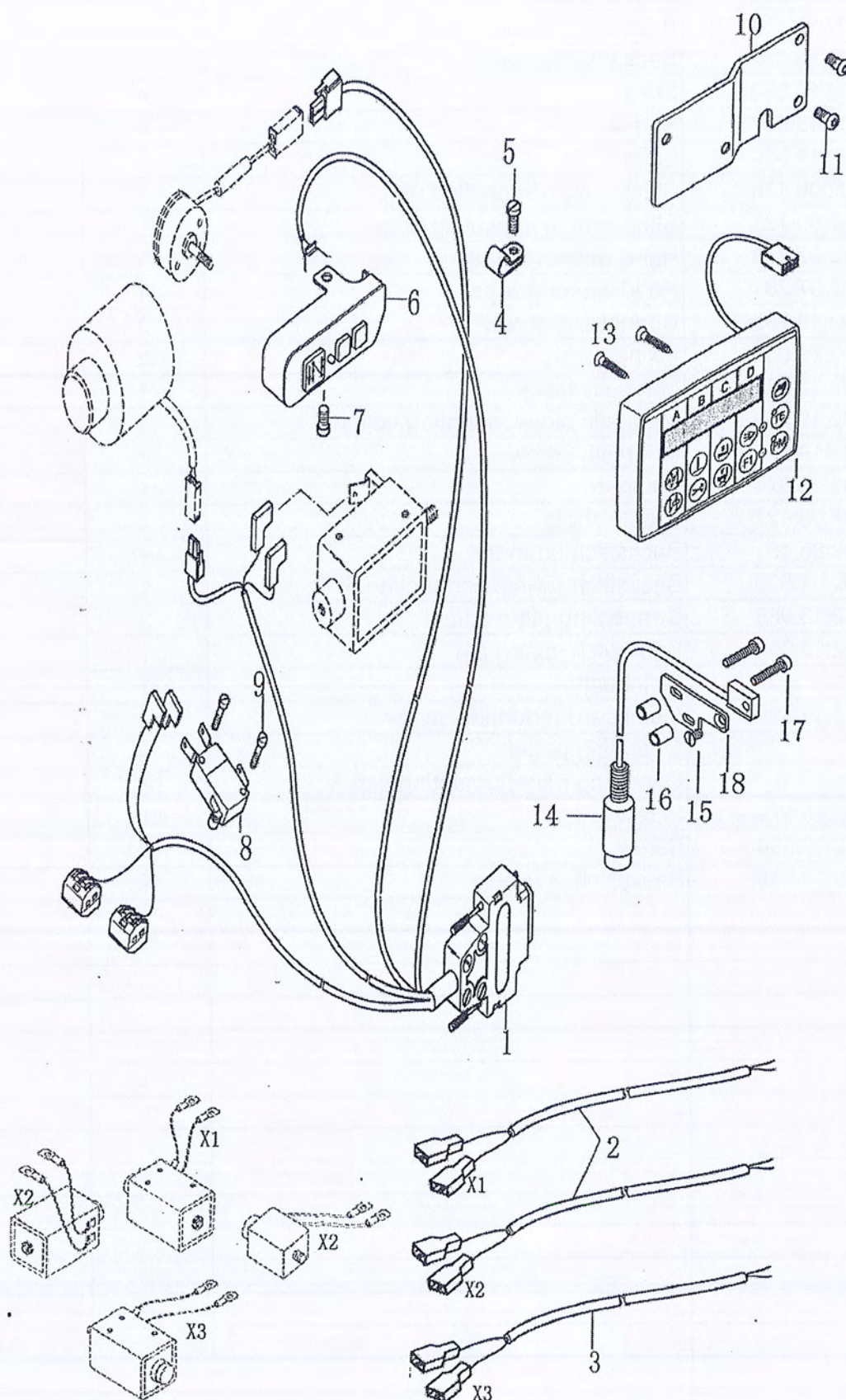
S.Lower feed and backstitch parts for single needle



T. Power cable connection

[illegible]

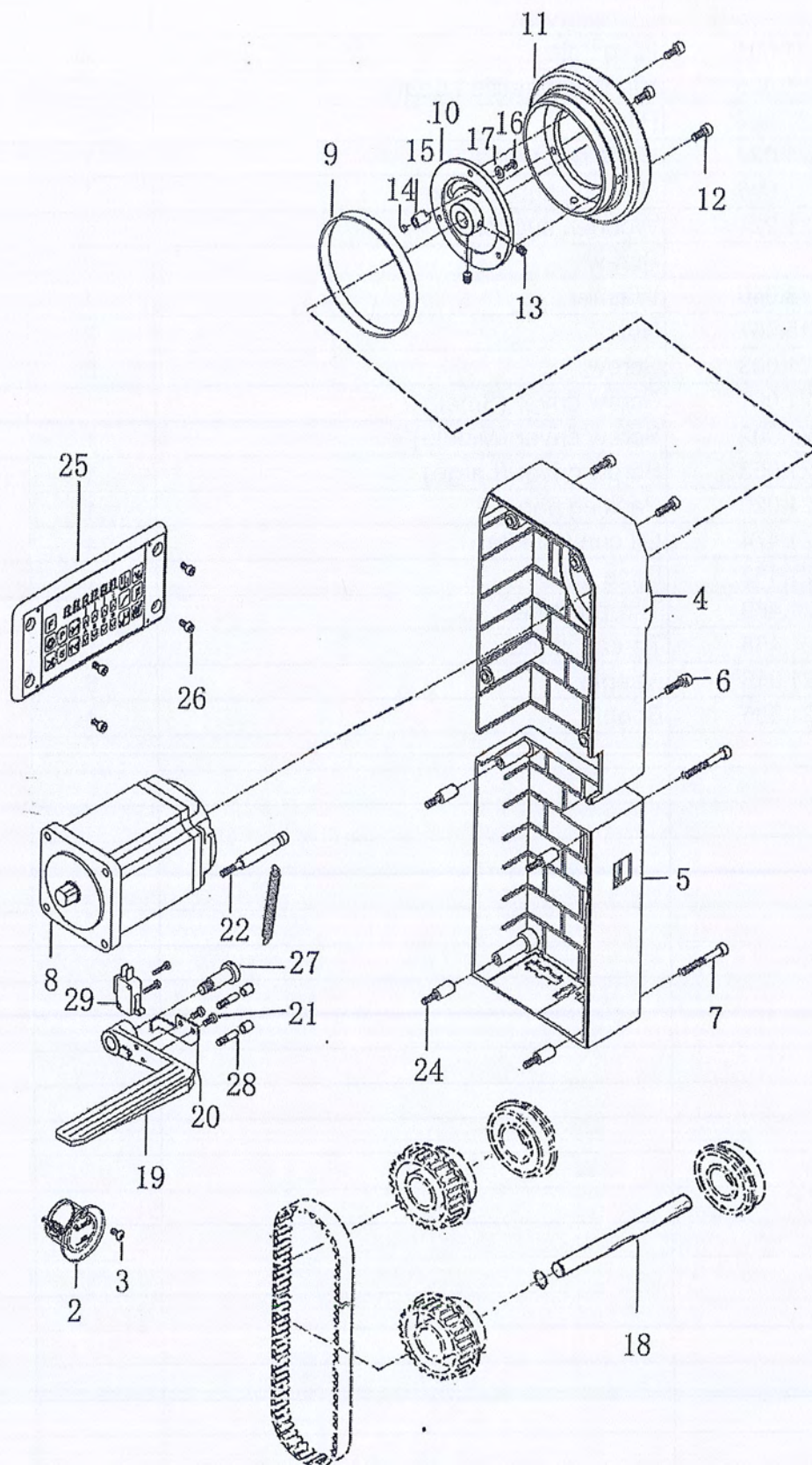
T. Power cable connection



U. Parts of integrated machine

[illegible]

U. Parts of integrated machine



V. Accessories

[illegible]

V. Accessories

