

GLOBAL

WF 1867 DD-AUT

Walking foot direct drive sewing machine

Spare parts manual

**Always switch off the electricity when working on
the machine.**

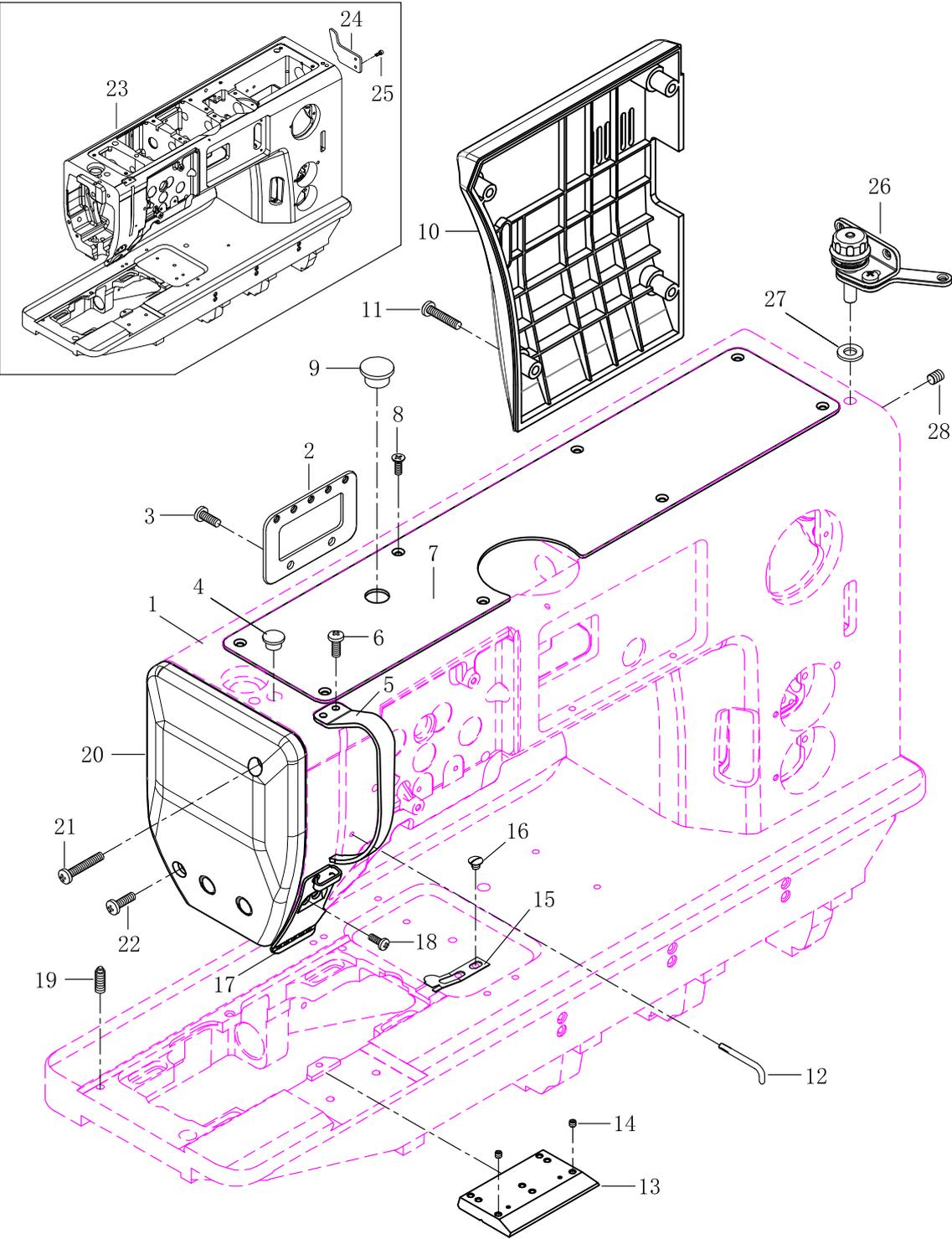
CONTENTS

A. Arm bed and its accessories.....	2
B. Thread tension regulator mechanism.....	4
C. Upper shaft drive mechanism.....	6
D. Needle bar vibrating bracket mechanism.....	8
E. Needle bar vibrating shaft mechanism.....	10
F. Presser foot lifting mechanism.....	12
G. Presser foot alternative regulating mechanism.....	14
H. Stitch regulator mechanism.....	16
I. Backstitch lever mechanism.....	18
J. Feed and backstitch mechanism.....	20
K. Feed lifting mechanism.....	22
L. Hook saddle (right) mechanism.....	24
M. Hook saddle (left) mechanism.....	26
N. Thread trimming mechanism.....	28
O. Oil lubrication mechanism.....	30
P. Electrical mechanism.....	32
Q. Accessories.....	34
R. Needle gauge.....	36

A. Arm bed and its accessories

Fig. No	Part No.	Name	Qty.	
			1-needle	2-needle
1	7.08.01.011	Machine casting (957)	1	1
2	7.08.14.004	Thread guide plate (back)	1	1
3	7.08.15.036	Thread guide plate (back) screw GB/T 818 M5×10	2	2
4	7.08.16.407	Plastic plug	1	1
5	7.08.05.014	Thread take up lever protective cover	1	1
6	7.02.15.1080	Screw GB/T 818 M4×8	2	2
7	7.08.11.009	Upper cover plate (957)	1	1
	7.08.11.014	Upper cover plate (967)	1	1
8	7.02.15.1087	Upper cover plate screw M4×10	8	8
9	7.02.16.037	Upper cover plate rubber plug	1	1
10	7.08.16.026	Back cover	1	1
11	7.08.15.038	Back cover screw GB/T 818 M5×25	4	4
12	7.08.14.002	Thread guide bar	1	1
13	7.08.02.011	Slide plate (front)	1	1
14	7.02.15.047	Slide plate (front) screw GB/T 77 M4×4	2	2
15	7.08.17.010	Slide plate stop plate	1	1
16	7.08.15.034	Slide plate stop plate screw M5×5	2	2
17	7.08.14.003	Thread guide plate (front)	1	1
18	7.08.15.032	Thread guide plate (front) M4×12	2	2
19	7.08.15.035	Screw M6×16	1	2
20	7.08.16.027	Face plate	1	1
21	7.08.15.038	Face plate (upper) screw GB/T 818 M5×25	1	1
22	7.08.15.009	Face plate (lower) screw GB/T 818 M5×16	1	1
23	7.08.01.007	Machine casting (967)	1	1
24	7.08.11.010	Support plate (967)	1	1
25	7.08.15.030	Support plate screw (967) GB/T 70.1 M5×12	2	2
26	7.08.01.005	Small thread tension regulator assy.	1	1
27	7.02.18.017	Washer $\varnothing 6 \times \varnothing 12 \times 1$	1	1
28	7.08.15.001	Internal hexagonal flat end set screw GB/T 77 M6×6	1	1

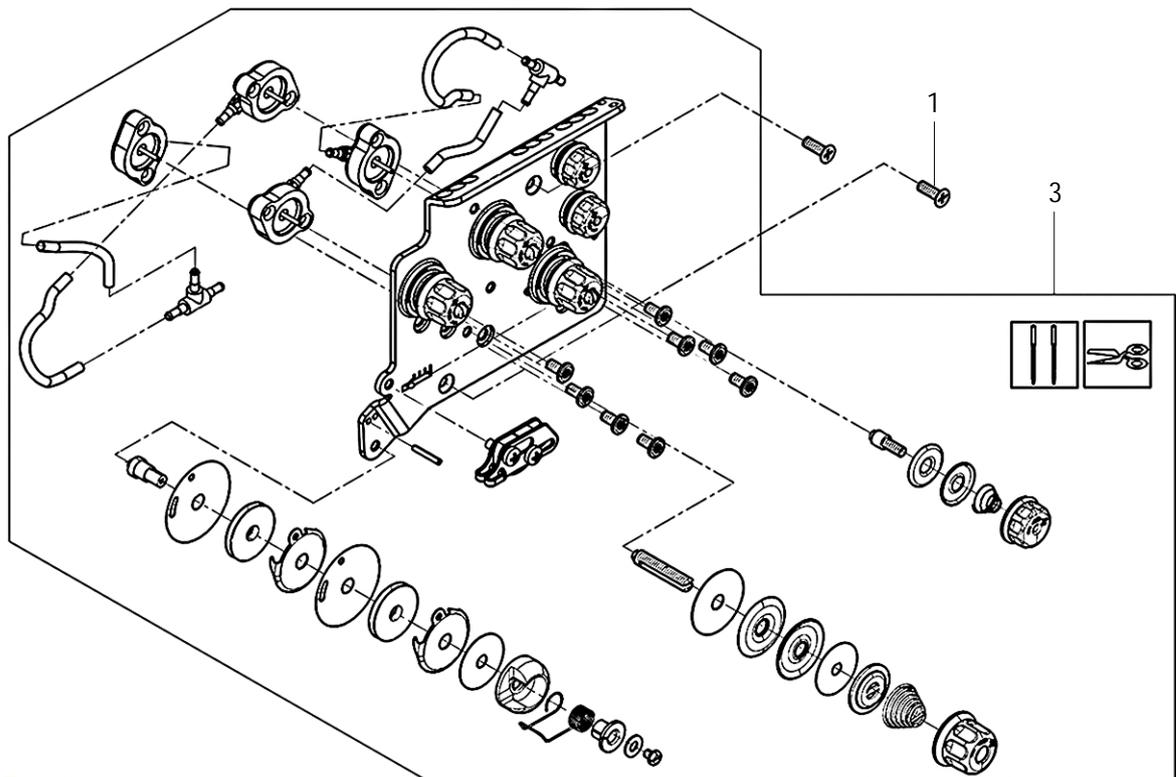
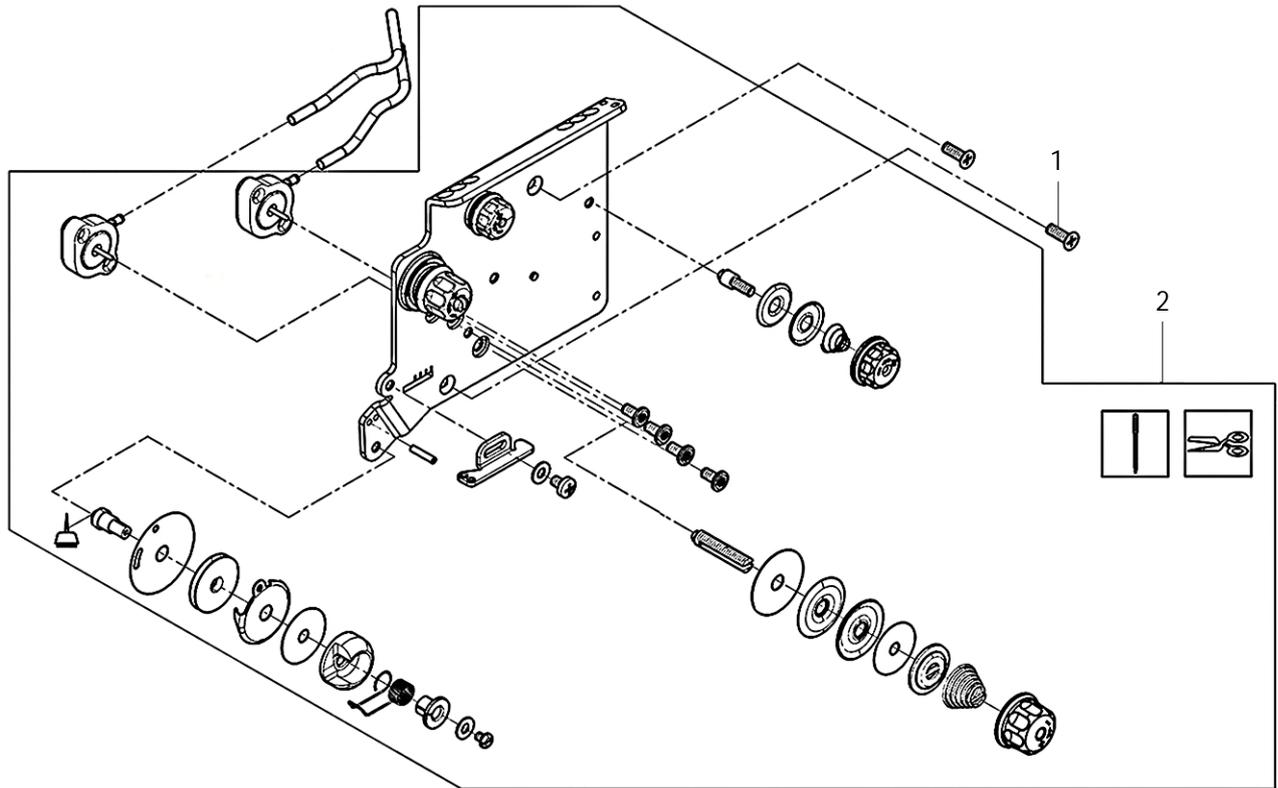
A. Arm bed and its accessories



B. Thread tension regulator mechanism

Fig. No	Part No.	Name	Qty.	
			1-needle	2-needle
1	7.08.15.032	Screw M4×12	2	2
2	7.08.01.004	1-needle thread tension regulator assy.	1	
3	7.08.01.006	2-needle thread tension regulator assy.		1

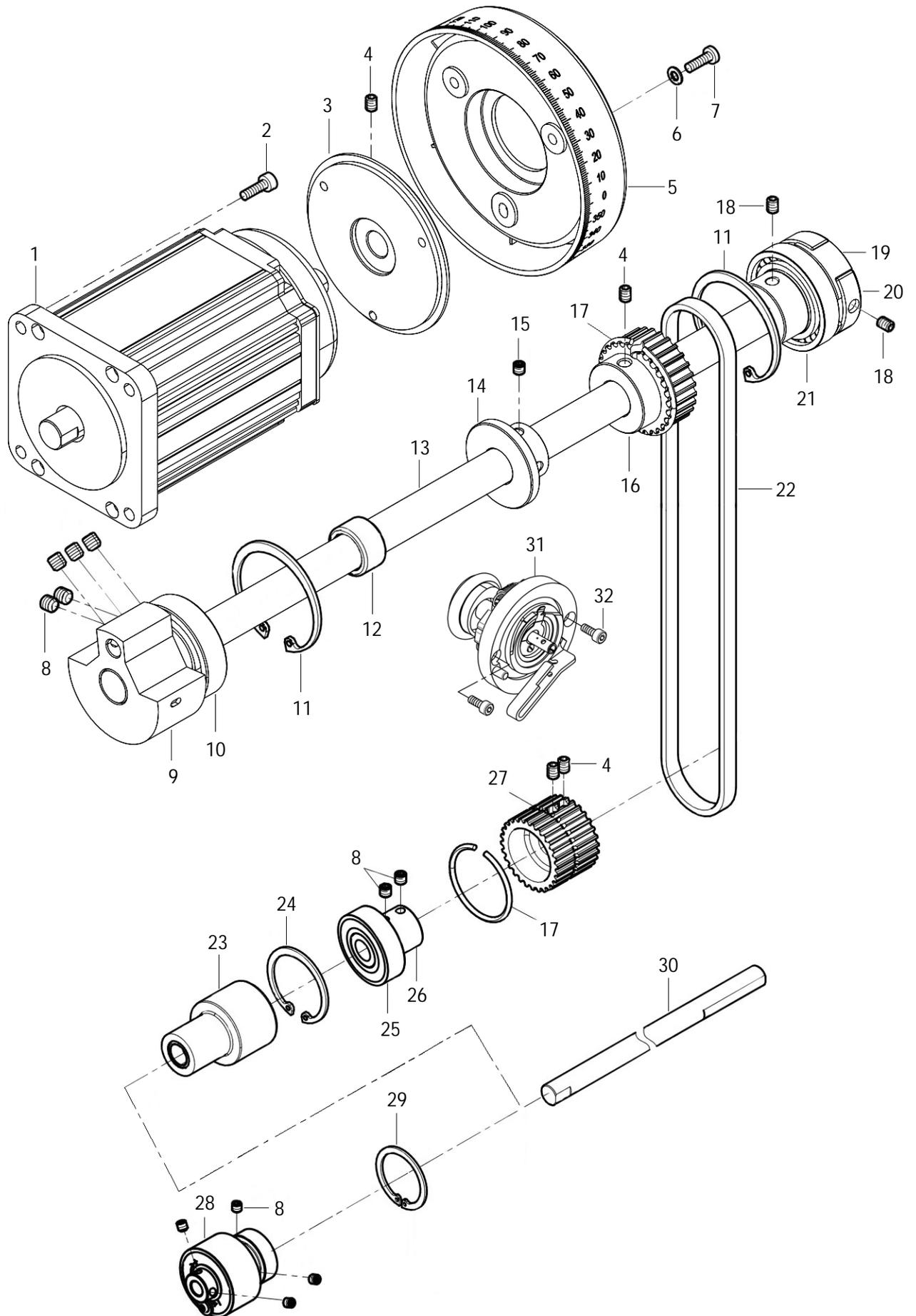
B. Thread tension regulator mechanism



C. Upper shaft drive mechanism

Fig. No	Part No.	Name	Qty.	
			1-needle	2-needle
1	7.08.19.10002	Motor Motor	1	1
2	7.08.15.042	Motor mounting screw	4	4
3	7.08.07.002	Handwheel mounting plate	1	1
4	7.08.15.002	Internal hexagonal flat end set screw GB/T 77 M6×8	6	6
5	7.08.07.001	Handwheel	1	1
6	7.02.18.016	Washer GB/T 97.1 5	3	3
7	7.08.15.036	Cross groove head screw GB/T 818 M5×10	3	3
8	7.08.15.001	Internal hexagonal flat end set screw GB/T 77 M6×6	11	11
9	7.08.06.001	Needle bar crank	1	1
10	7.08.04.002	Ball bearing 6005-2Z	1	1
11	7.08.18.001	Elastic retaining ring GB/T893.1 47	2	2
12	7.08.04.001	Needle bearing HK162216	1	1
13	7.08.03.001	Upper shaft	1	1
14	7.08.07.007	Bobbin winder driving wheel	1	1
15	7.02.15.1149	Screw M6 (0.75) ×5	2	2
16	7.08.07.003	Synchronous belt wheel (upper)	1	1
17	7.08.17.001	Synchronous belt wheel retaining ring	2	2
18	7.02.15.990	Screw	4	4
19	7.08.05.001	Coupling assy.	1	1
20	7.02.05.593	Coupling (right)	0	0
21	7.02.04.014	Ball bearing	1	1
22	7.08.07.004	Synchronous belt	1	1
23	7.08.08.002	Lower shaft (middle) bushing (complete parts)	1	1
	7.08.04.004	Needle bearing HK1210	2	2
24	7.08.18.002	Elastic retaining ring GB/T 893.1 42	1	1
25	7.08.04.003	Ball bearing 6004-2Z	1	1
26	7.08.08.001	Lower shaft (right) bearing bushing	1	1
27	7.08.07.005	Synchronous belt wheel (lower)	1	1
28	7.08.01.009	Clutch	1	1
29	7.08.18.003	Elastic retaining ring GB/T 893.1 35	1	1
30	7.08.03.002	Lower shaft(right)	1	1
31	7.08.01.003	Bobbin winder assy.	1	1
32	7.08.15.025	Bobbin winder mounting screw GB/T 70.1 M4×12	2	2

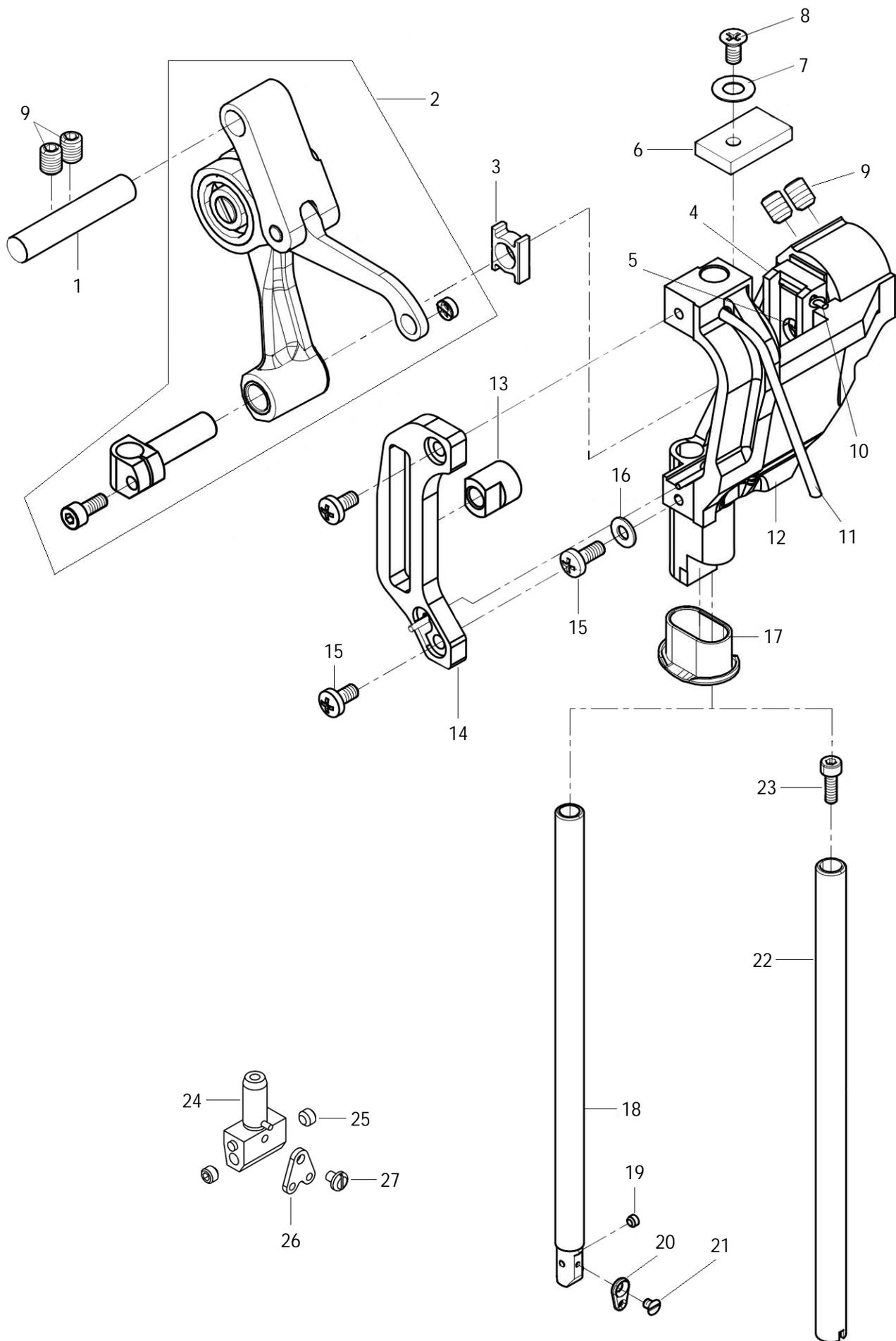
C. Upper shaft drive mechanism



D. Needle bar vibrating bracket mechanism

Fig. No	Part No.	Name	Qty.	
			1-needle	2-needle
1	7.08.10.001	Thread take up lever hinge shaft	1	1
2	7.08.01.001	Thread take-up lever assy.	1	1
3	7.08.12.002	Needle bar vibrating bracket slide block	1	1
4	7.08.12.001	Slide groove	1	1
5	7.08.15.010	Slide groove screw	2	2
6		Spunge	1	1
7	7.08.18.011	Washer $\varnothing 6 \times \varnothing 12 \times 0.5$	1	1
8	7.02.15.1089	Cross groove countersunk screw M4×8	1	1
9	7.08.15.002	Internal hexagonal flat end set screw GB/T 77 M6×8	4	4
10		Oil wick	1	1
11		Oil tube	1	1
12	7.08.13.001	Needle bar vibrating bracket	1	1
13	7.08.16.002	Slide block	1	1
14	7.08.11.011	Slide block guide rail	1	1
15	7.08.15.004	Cross groove head screw GB/T 818 M4×10	2	2
16	7.08.18.004	Washer GB/T 97.1 4		
17	7.08.16.001	Oil resistant plastic cover	1	1
18	7.08.03.004	Needle bar	1	
19	7.08.15.039	Internal hexagonal flat end set screw GB/T 77 M4×3	1	
20	7.02.14.034	Needle bar thread guide plate	1	
21	7.02.15.1140	Thread guide plate screw	1	
22	7.08.03.003	Needle bar		1
23	7.08.15.003	Internal hexagonal cylindrical head screw GB/T 70.1 M3×10		1
24		Needle holder		1
25	7.08.15.039	Internal hexagonal flat end set screw GB/T 77 M4×3		2
26		Needle bar thread guide plate		1
27		Thread guide plate screw		1

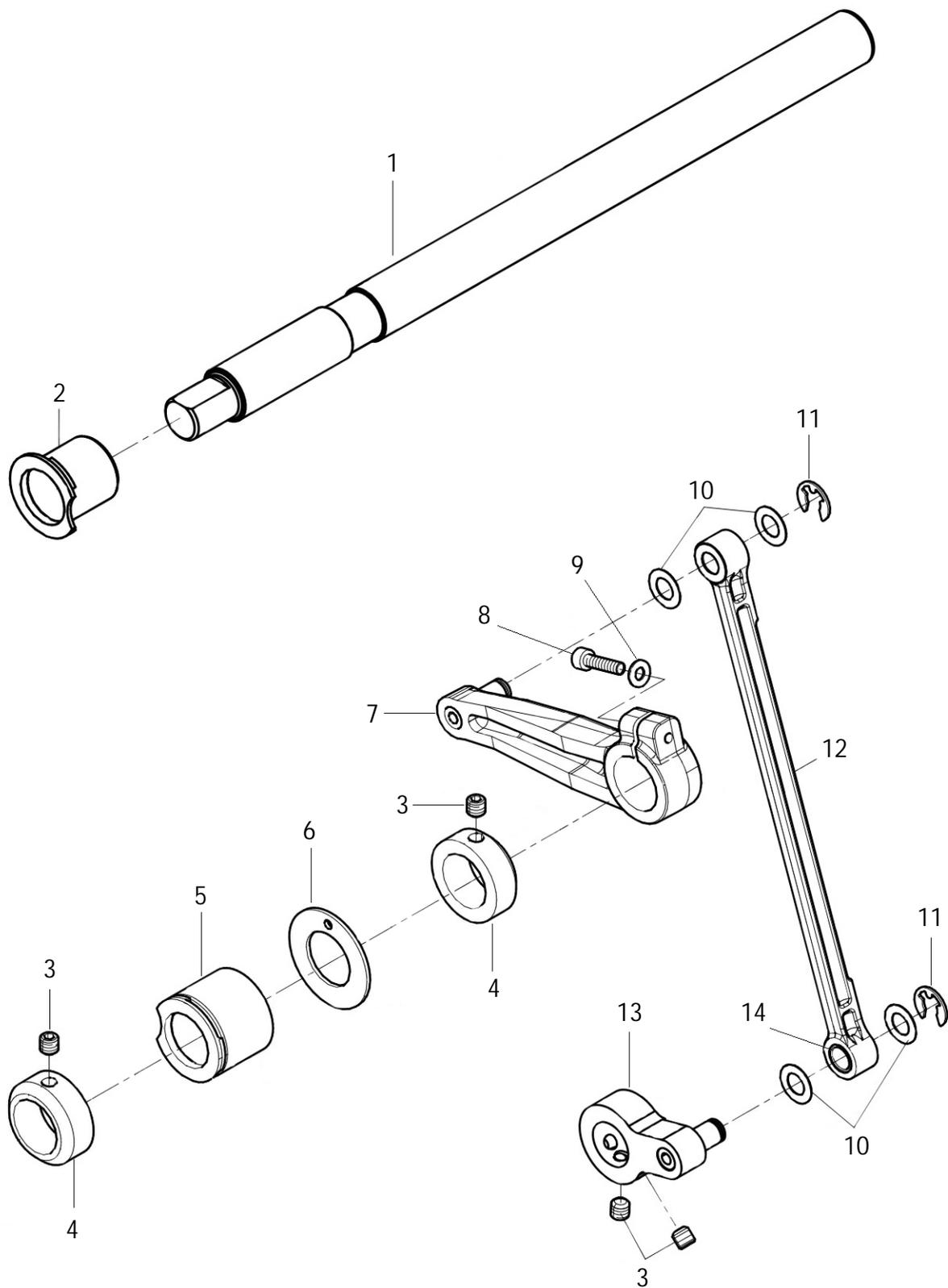
D. Needle bar vibrating bracket mechanism



E. Needle bar vibrating shaft mechanism

Fig. No	Part No.	Name	Qty.	
			1-needle	2-needle
1	7.08.03.005	Needle bar vibrating shaft	1	1
2	7.08.08.004	Needle bar vibrating shaft bushing	2	2
3	7.08.15.001	Internal hexagonal flat end set screw GB/T 77 M6×6	4	4
4	7.08.09.001	Screw locking retaining ring	2	2
5	7.08.08.003	Needle bar vibrating bushing (right)	1	1
6	7.08.18.006	Plastic washer	1	1
7	7.08.05.003	Needle bar vibrating crank assy.	1	1
8	7.08.15.041	Internal hexagonal cylindrical head screw GB/T 70.1 M5×16	1	1
9		Washer		
10	7.08.18.005	Washer $\varnothing 8 \times \varnothing 14 \times 0.5$	4	4
11	7.02.18.021	Split retaining ring GB/T 896 7	2	2
12	7.08.05.002	Needle bar vibrating link	1	1
13	7.08.06.002	Feeding crank (right) assy.	1	1
14		Plastic bushing $\varnothing 8 \times \varnothing 10 \times 10$	2	2

E. Needle bar vibrating shaft mechanism



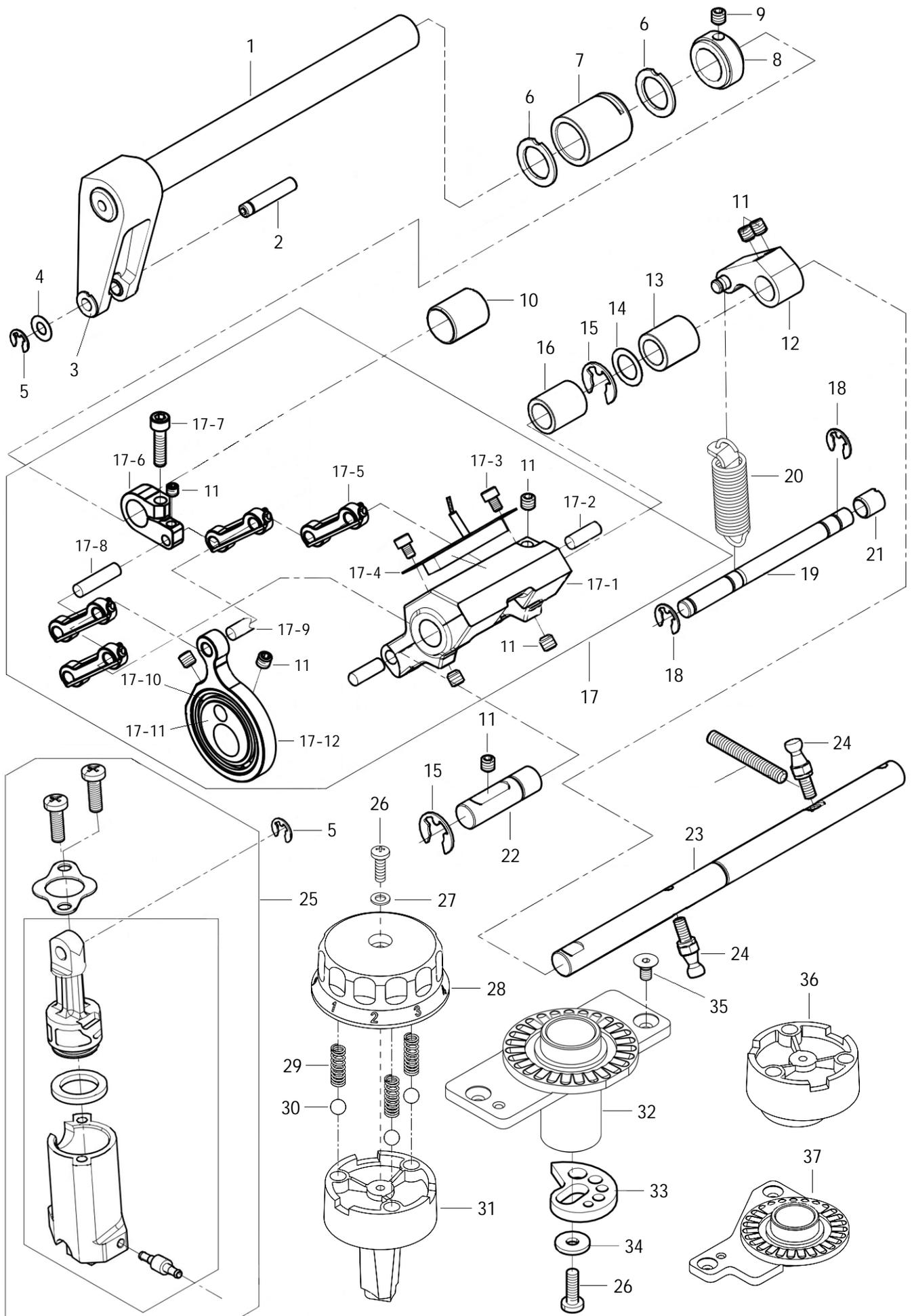
F. Presser foot lifting mechanism

Fig. No	Part No.	Name	Qty.	
			1-needle	2-needle
1	7.08.15.008	Pressure adjusting knob	1	1
2	7.08.17.003	Pressure bar spring	1	1
3	7.08.03.012	Presser foot lifting shaft	1	1
4	7.08.16.006	Presser foot lifting bushing	2	2
5	7.08.06.014	Presser foot lifting crank	1	1
6	7.08.15.001	Internal hexagonal flat end set screw GB/T 77 M6×6	4	4
7	7.08.17.004	Presser foot lifting shaft spring	1	1
8	7.08.06.015	Presser foot lifting block	1	1
9	7.08.17.005	Presser foot lifting lever spring	1	1
10	7.08.16.007	Presser foot lifting lever	1	1
11	7.08.15.011	Internal hexagonal cylindrical head screw GB/T 70.1 M6×30	1	1
12	7.08.15.012	Hexagonal thin nut GB/T 6172 M6	1	1
13	7.08.09.002	Screw locking retaining ring	1	1
14	7.02.15.991	Internal hexagonal flat end set screw M6 (0.75) ×6	1	1
15	7.02.15.572	Internal hexagonal cylindrical head screw GB/T 70.1 M4×16	1	1
16	7.08.06.013	Presser foot lifting crank (right) assy.	1	1
17	7.02.18.039	Split retaining ring GB/T 896 5	1	1
18	7.08.19.001	Presser foot lifting air cylinder	1	1
19	7.08.10.013	Presser foot lifting air cylinder screw	1	1
20		Air tube	1	1
21	7.08.08.011	Pressure bar bushing	1	1
22	7.08.08.012	Plastic bushing Ø 8×Ø 10×8	2	2
23	7.08.10.011	Pressure bar fixed pin	2	2
24	7.08.15.009	Cross groove head screw GB/T 818 M5×16	2	2
25	7.08.05.007	Inner pressure bar	1	1
26	7.08.10.010	Inner pressure bar connecting pin	1	1
27	7.08.16.005	Inner pressure bar link	1	1
28	7.08.16.003	Pressure bar bracket	1	1
29	7.08.16.004	Triangular connecting block	1	1
30	7.08.10.008	Triangular connecting pin	1	1
31	7.08.05.006	Outer pressure bar	1	1
32	7.08.05.008	Link	1	1
33	7.08.18.012	Limit plate	1	1
34	7.02.15.388	One-character-depth countersunk screw M4X8	1	1
35	7.08.10.007	Connecting pin	1	1
36	7.08.06.006	Limit block	1	1
37	7.08.10.005	Limit block fixed pin	1	1
38	7.08.15.002	Internal hexagonal flat end set screw GB/T 77 M6×8	3	3

G. Presser foot alternative regulating mechanism

Fig. No	Part No.	Name	Qty.	
			1-needle	2-needle
1	7.08.01.002	Presser foot alternative shaft assy.	1	1
2	7.08.10.006	Crank link pin $\varnothing 6 \times 30.5$	1	1
3	7.08.08.010	Plastic bushing $\varnothing 6 \times \varnothing 8 \times 8$	2	2
4	7.08.18.011	Washer $\varnothing 6 \times \varnothing 12 \times 0.5$	1	1
5	7.02.18.039	Split retaining ring GB/T 896 5	2	2
6	7.08.18.010	Plastic washer $\varnothing 16 \times \varnothing 23 \times 1.5$	2	2
7	7.08.08.009	Bushing with clearance	1	1
8	7.08.09.002	Screw locking retaining ring	1	1
9	7.02.15.991	Internal hexagonal flat end set screw M6 (0.75) $\times 6$	1	1
10	7.08.08.007	Plastic bushing $\varnothing 16 \times \varnothing 18 \times 21$	2	2
11	7.08.15.001	Internal hexagonal flat end set screw GB/T 77 M6 $\times 6$	10	10
12	7.08.06.003	Presser foot alternative air cylinder crank assy.	1	1
13	7.08.08.005	Bushing (right) $\varnothing 12 \times \varnothing 18 \times 20$	1	1
14	7.08.18.007	Flat washer $\varnothing 12 \times \varnothing 18 \times 0.5$	1	1
15	7.08.18.008	Split retaining ring GB/T 896 10	2	2
16	7.08.08.006	Bushing (left) $\varnothing 12 \times \varnothing 17 \times 20$	1	1
17		Presser foot alternative adjusting crank assy.	1	1
17-1	7.08.13.002	Adjusting seat	1	1
17-2	7.08.10.003	Link pin	2	2
17-3	7.08.15.007	Internal hexagonal cylindrical head screw GB/T 70.1 M4 $\times 6$	2	2
17-4	7.08.11.001	Oil felt fixed plate	1	1
17-5	7.08.05.004	Crank link	4	4
17-6	7.08.06.004	Presser foot alternative shaft crank	1	1
17-7	7.02.15.445	Internal hexagonal cylindrical head screw GB/T 70.1 M6 $\times 25$	1	1
17-8	7.08.10.004	Crank pin	1	1
17-9	7.08.10.021	Link pin	1	1
17-10	7.08.04.005	Ball bearing	1	1
17-11	7.08.06.005	Presser foot lifting eccentric cam	1	1
17-12	7.08.05.005	Eccentric cam link	1	1
18	7.02.18.021	Split retaining ring GB/T 896 7	2	2
19	7.08.03.006	Presser foot alternative air cylinder fixed shaft	1	1
20	7.08.17.002	Spring	1	1
21	7.08.08.008	Air cylinder fixed shaft bushing	1	1
22	7.08.10.002	Adjusting shaft (short)	1	1
23	7.08.03.007	Presser foot alternative adjusting shaft	1	1
24	7.08.15.005	Presser foot alternative adjusting shaft screw (967)	2	2
	7.08.15.005	Presser foot alternative adjusting shaft screw (957)	1	1
25	7.08.19.002	Presser foot alternative lifting air cylinder assy.	1	1
26	7.08.15.009	Cross groove head screw GB/T 818 M5 $\times 16$ (967)	4	4
	7.08.15.009	Cross groove head screw GB/T 818 M5 $\times 16$ (957)	2	2
27	7.02.18.016	Washer $\varnothing 5.5 \times \varnothing 10 \times 1$ (967)	2	2
	7.02.18.016	Washer $\varnothing 5.5 \times \varnothing 10 \times 1$ (957)	1	1
28	7.08.16.029	Adjusting dial (967)	2	2
	7.08.16.029	Adjusting dial (957)	1	1
29	7.08.17.013	Spring (967)	6	6
	7.08.17.013	Spring (957)	3	3
30	7.08.04.006	Ball (967)	6	6
	7.08.04.006	Ball (957)	3	3
31	7.08.16.028	Adjusting dial seat (left)	1	1
32	7.08.13.009	Presser foot alternative adjusting seat (left)	1	1
33	7.08.06.022	Presser foot alternative adjusting cam (967)	2	2
	7.08.06.022	Presser foot alternative adjusting cam (957)	1	1
34	7.08.18.019	Washer $\varnothing 5.4 \times \varnothing 14.8 \times 1.8$ (967)	2	2
	7.08.18.019	Washer $\varnothing 5.4 \times \varnothing 14.8 \times 1.8$ (957)	1	1
35	7.08.15.019	Internal hexagonal countersunk screw M5 $\times 10$ (967)	4	4
	7.08.15.019	Internal hexagonal countersunk screw M5 $\times 10$ (957)	2	2
36	7.08.16.042	Adjusting dial seat (right) (967)	1	1
37	7.08.13.011	Presser foot alternative adjusting seat (right) (967)	1	1

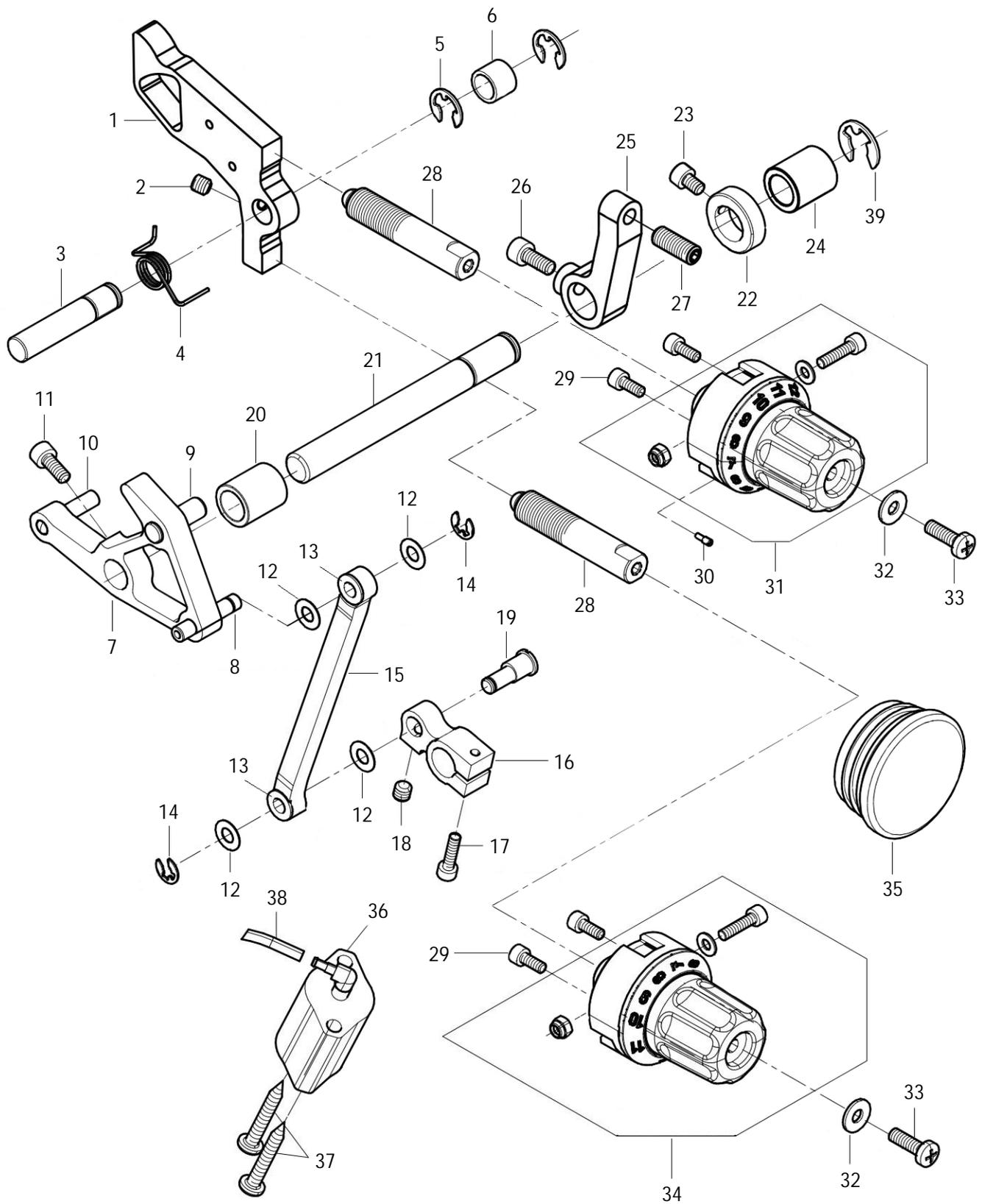
G. Presser foot alternative regulating mechanism



H. Stitch regulator mechanism

Fig. No	Part No.	Name	Qty.	
			1-needle	2-needle
1	7.08.06.020	Stitch length adjusting crank	1	1
2	7.08.15.002	Internal hexagonal flat end set screw GB/T 77 M6×8	1	1
3	7.08.10.017	Stitch length adjusting crank shaft	1	1
4	7.08.17.007	Stitch length crank spring	1	1
5	7.02.18.028	Split retaining ring GB/T 896 8	2	2
6	7.08.08.017	Stitch length adjusting crank bushing	1	1
7	7.08.13.008	Backstitch crank	1	1
8	7.08.10.006	Backstitch link pin $\varnothing 6 \times 30.5$	1	1
9	7.08.10.015	Cylindrical pin $\varnothing 8 \times 24$	1	1
10	7.08.10.016	Cylindrical pin $\varnothing 6 \times 28$	1	1
11	7.08.15.023	Internal hexagonal cylindrical head screw GB/T 70.1 M6×12	1	1
12	7.08.18.011	Washer $\varnothing 6 \times \varnothing 12 \times 0.5$	4	4
13	7.08.08.014	Plastic bushing $\varnothing 6 \times \varnothing 8 \times 8$	2	2
14	7.02.18.039	Split retaining ring GB/T 896 5	2	2
15	7.08.05.012	Backstitch link	1	1
16	7.08.06.021	Backstitch crank (lower)	1	1
17	7.02.15.572	Internal hexagonal cylindrical head screw GB/T 70.1 M4×16	1	1
18	7.08.15.001	Internal hexagonal flat end set screw GB/T 77 M6×6	1	1
19	7.08.10.018	Eccentric pin	1	1
20	7.08.08.006	Bushing (left) $\varnothing 12 \times \varnothing 17 \times 20$	1	1
21	7.08.03.014	Backstitch shaft	1	1
22	7.08.09.003	Screw locking retaining ring $\varnothing 12 \times \varnothing 20 \times 6$ (957)	2	2
	7.08.09.003	Screw locking retaining ring $\varnothing 12 \times \varnothing 20 \times 6$ (967)	1	1
23	7.08.15.007	Internal hexagonal cylindrical head screw GB/T 70.1 M4×6 (957)	2	2
	7.08.15.007	Internal hexagonal cylindrical head screw GB/T 70.1 M4×6 (967)	1	1
24	7.08.08.005	Bushing (right) $\varnothing 12 \times \varnothing 18 \times 20$	1	1
25	7.08.06.019	Pneumatic backstitch crank	1	1
26	7.08.15.023	Internal hexagonal cylindrical head screw GB/T 70.1 M6×12	1	1
27	7.08.15.022	Internal hexagonal flat end set screw GB/T 77 M6×16	1	1
28	7.02.03.492	Stitch length adjusting screw rod	2	2
29	7.08.15.015	Internal hexagonal cylindrical head screw GB/T 70.1 M4×10	4	4
30	7.08.15.040	Limit screw	1	1
31	7.02.01.212	Stitch length adjusting knob assy.	1	1
32	7.02.18.017	Washer	2	2
33	7.08.15.009	Cross groove head screw GB/T 818 M5×16	2	2
34	7.02.01.212	2nd stitch length adjusting knob assy.	1	1
35	7.08.16.017	Plastic cover (957)	1	1
36	7.08.19.005	Air cylinder (967)	1	1
37	7.08.15.026	Air cylinder screw (967)	2	2
38		Air tube $\varnothing 4$ (967)	1	1
39	7.08.18.008	Split retaining ring GB/T 896 10 (967)	1	1

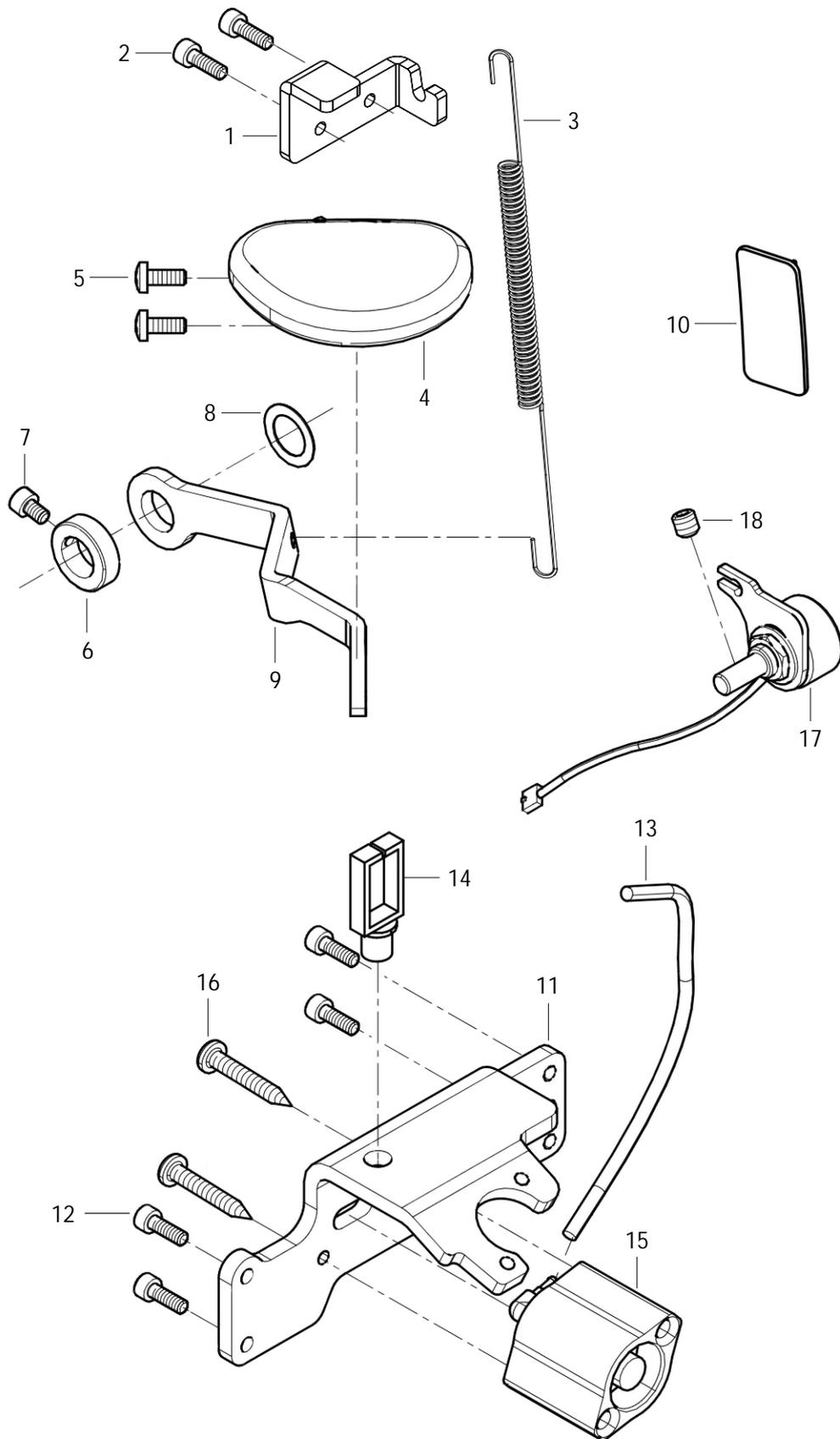
H. Stitch regulator mechanism



I. Backstitch lever mechanism

Fig. No	Part No.	Name	Qty.	
			1-needle	2-needle
1	7.08.11.003	Potentiometer fixed plate	1	1
2	7.08.15.025	Internal hexagonal cylindrical head screw	2	2
3	7.08.17.008	Backstitch lever reset spring	1	1
4	7.08.16.018	Backstitch lever handle	1	1
5	7.08.15.004	Cross groove head screw GB/T 818 M4×10	2	2
6	7.08.09.003	Screw locking retaining ring $\varnothing 12 \times \varnothing 20 \times 6$	1	1
7	7.08.15.007	Internal hexagonal cylindrical head screw GB/T 70.1 M4×6	1	1
8	7.08.18.007	Washer $\varnothing 12 \times \varnothing 18 \times 0.5$	1	1
9	7.08.05.013	Backstitch lever	1	1
10		Backstitch lever slot plastic cover		
11	7.08.11.005	Air cylinder mounting plate	1	1
12	7.08.15.025	Internal hexagonal cylindrical head screw GB/T 70.1 M4×12	5	5
13		Air tube $\varnothing 4$	1	1
14	7.08.16.019	Thread clamp	1	1
15	7.08.19.005	Air cylinder	1	1
16	7.08.15.026	Air cylinder screw	2	2
17	7.08.19.003	Alternative speed limit potentiometer assy. (967)	1	1
18	7.08.15.001	Internal hexagonal flat end set screw GB/T 77 M6×6 (967)	1	1

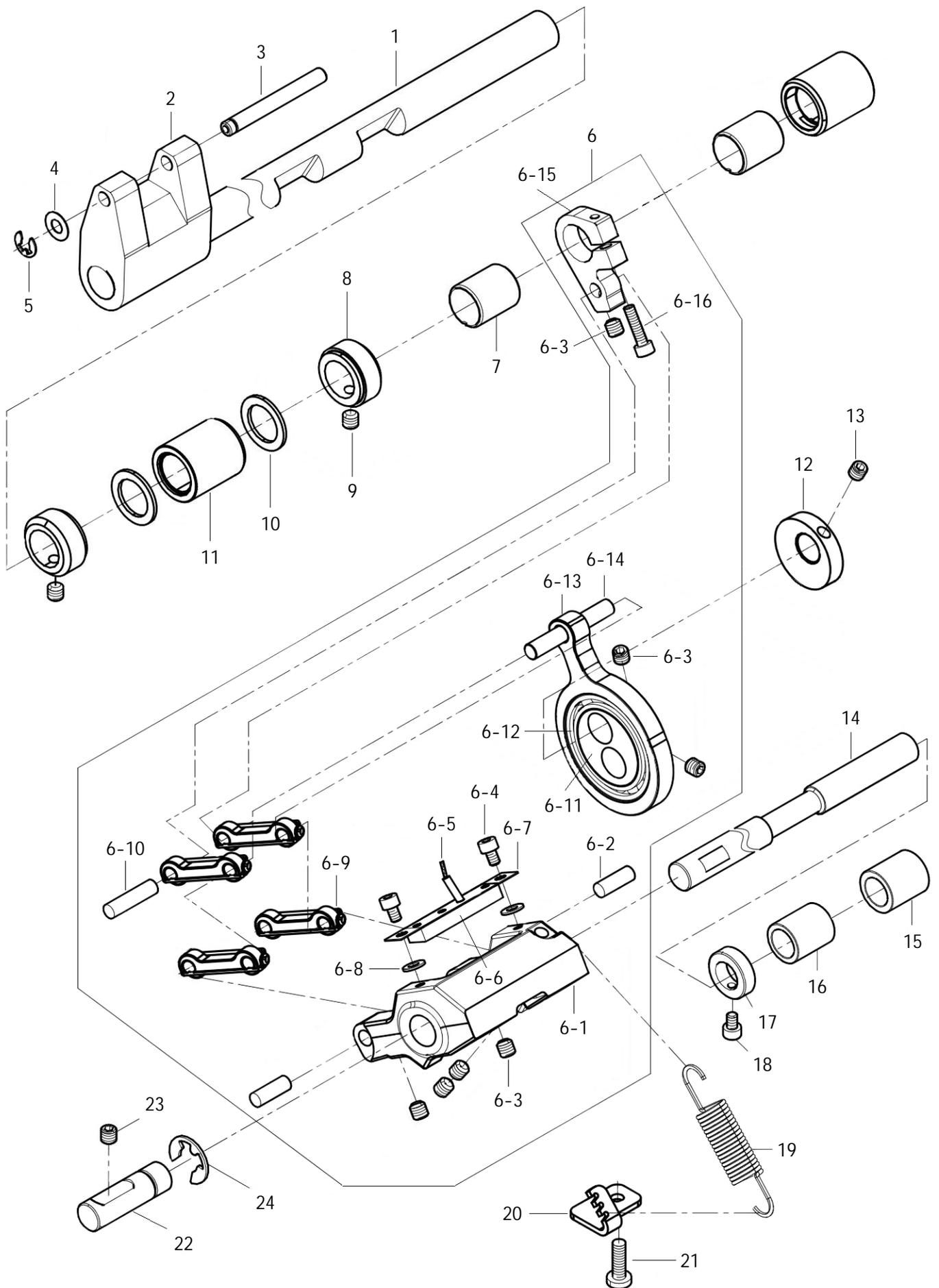
I. Backstitch lever mechanism



J. Feed and backstitch mechanism

Fig. No	Part No.	Name	Qty.	
			1-needle	2-needle
1	7.08.03.009	Feed shaft	1	1
2	7.28.06.009	Feed crank (left)	1	1
3	7.08.10.012	Feed dog holder crank pin	1	1
4	7.08.18.011	Washer $\varnothing 6 \times \varnothing 12 \times 0.5$	1	1
5	7.02.18.039	Split retaining ring GB/T 896 5	1	1
6		Backstitch saddle crank link assy.	1	1
6-1	7.08.13.002	Adjusting crank	1	1
6-2	7.08.10.003	Link pin $\varnothing 6 \times 20$	2	2
6-3	7.08.15.001	Internal hexagonal flat end set screw GB/T 77 M6×6	7	7
6-4	7.08.15.007	Internal hexagonal cylindrical head screw GB/T 70.1 M4×6	2	2
6-5		Oil wick	1	1
6-6		Oil felt	1	1
6-7	7.08.11.001	Oil felt fixed plate	1	1
6-8	7.08.18.004	Washer	2	2
6-9	7.08.05.004	Crank link	4	4
6-10	7.08.10.004	Crank pin $\varnothing 6 \times 24$	1	1
6-11	7.08.06.023	Feed cam	1	1
6-12	7.08.04.005	Ball bearing	1	1
6-13	7.08.05.009	Feed cam link	1	1
6-14	7.08.10.021	Link pin	1	1
6-15	7.08.06.008	Feed crank	1	1
6-16	7.02.15.572	Internal hexagonal cylindrical head screw GB/T 70.1 M4×16	1	1
7	7.08.08.007	Plastic bushing $\varnothing 16 \times \varnothing 18 \times 21$	4	4
8	7.08.09.002	Screw locking retaining ring	2	2
9	7.02.15.991	Internal hexagonal flat end set screw M6 (0.75) ×6	2	2
10	7.08.18.010	Plastic washer $\varnothing 16 \times \varnothing 23 \times 1.5$	2	2
11	7.08.08.009	Bushing with clearance	2	2
12	7.08.06.007	Balance block	1	1
13	7.08.15.001	Internal hexagonal flat end set screw GB/T 77 M6×6	1	1
14	7.08.03.008	Backstitch crank shaft	1	1
15	7.08.08.005	Bushing (right) $\varnothing 12 \times \varnothing 18 \times 20$	1	1
16	7.08.08.006	Bushing (left) $\varnothing 12 \times \varnothing 17 \times 20$	1	1
17	7.08.09.003	Screw locking retaining ring $\varnothing 12 \times \varnothing 20 \times 6$	1	1
18	7.08.15.007	Internal hexagonal cylindrical head screw GB/T 70.1 M4×6	1	1
19	7.08.17.012	Backstitch reset spring	1	1
20	7.08.14.001	Spring hanger	1	1
21	7.08.15.009	Cross groove head screw GB/T 818 M5×16	1	1
22	7.08.10.002	Adjusting shaft (short)	1	1
23	7.08.15.001	Internal hexagonal flat end set screw GB/T 77 M6×6	1	1
24	7.08.18.008	Split retaining ring GB/T 896 10	1	1

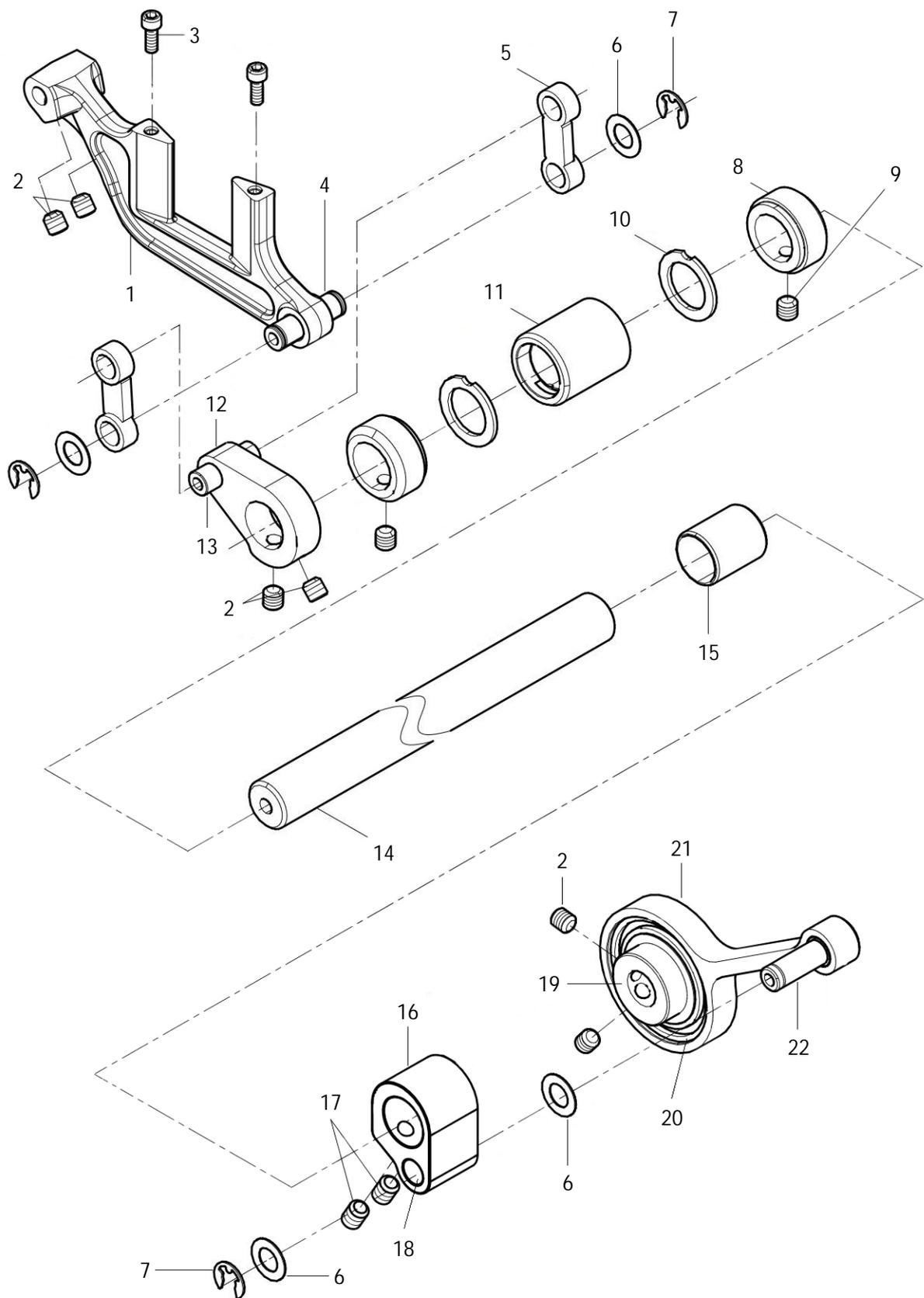
J. Feed and backstitch mechanism



K. Feed lifting mechanism

Fig. No	Part No.	Name	Qty.	
			1-needle	2-needle
1	7.08.13.003	Feed dog holder	1	1
2	7.08.15.001	Internal hexagonal flat end set screw GB/T 77 M6×6	6	6
3	7.08.15.010	Feed dog screw GB/T 70.1 M4×8	2	2
4		Feed dog holder crank link pin	1	1
5	7.08.05.010	Feed dog holder crank link	2	2
6	7.08.18.005	Washer $\varnothing 8 \times \varnothing 14 \times 0.5$	4	4
7	7.02.18.072	Split retaining ring GB/T 896 6	3	3
8	7.08.09.002	Screw locking retaining ring	2	2
9	7.02.15.991	Internal hexagonal flat end set screw M6 (0.75) ×6	2	2
10	7.08.18.010	Plastic washer $\varnothing 16 \times \varnothing 23 \times 1.5$	2	2
11	7.08.08.009	Bushing with clearance	1	1
12	7.08.06.010	Lifting feed dog crank (left)	1	1
13		Lifting feed dog crank pin	1	1
14	7.08.03.010	Lifting feed dog shaft	1	1
15	7.08.08.007	Plastic bushing $\varnothing 16 \times \varnothing 18 \times 21$	2	2
16	7.08.06.012	Lifting feed dog crank (right)	1	1
17	7.08.15.002	Internal hexagonal flat end set screw GB/T 77 M6×8	2	2
18		Plastic bushing	2	2
19	7.08.06.011	Lifting feed dog cam	1	1
20	7.08.04.005	Ball bearing	1	1
21	7.08.05.011	Lifting feed dog cam link	1	1
22		Lifting feed dog cam link pin	1	1

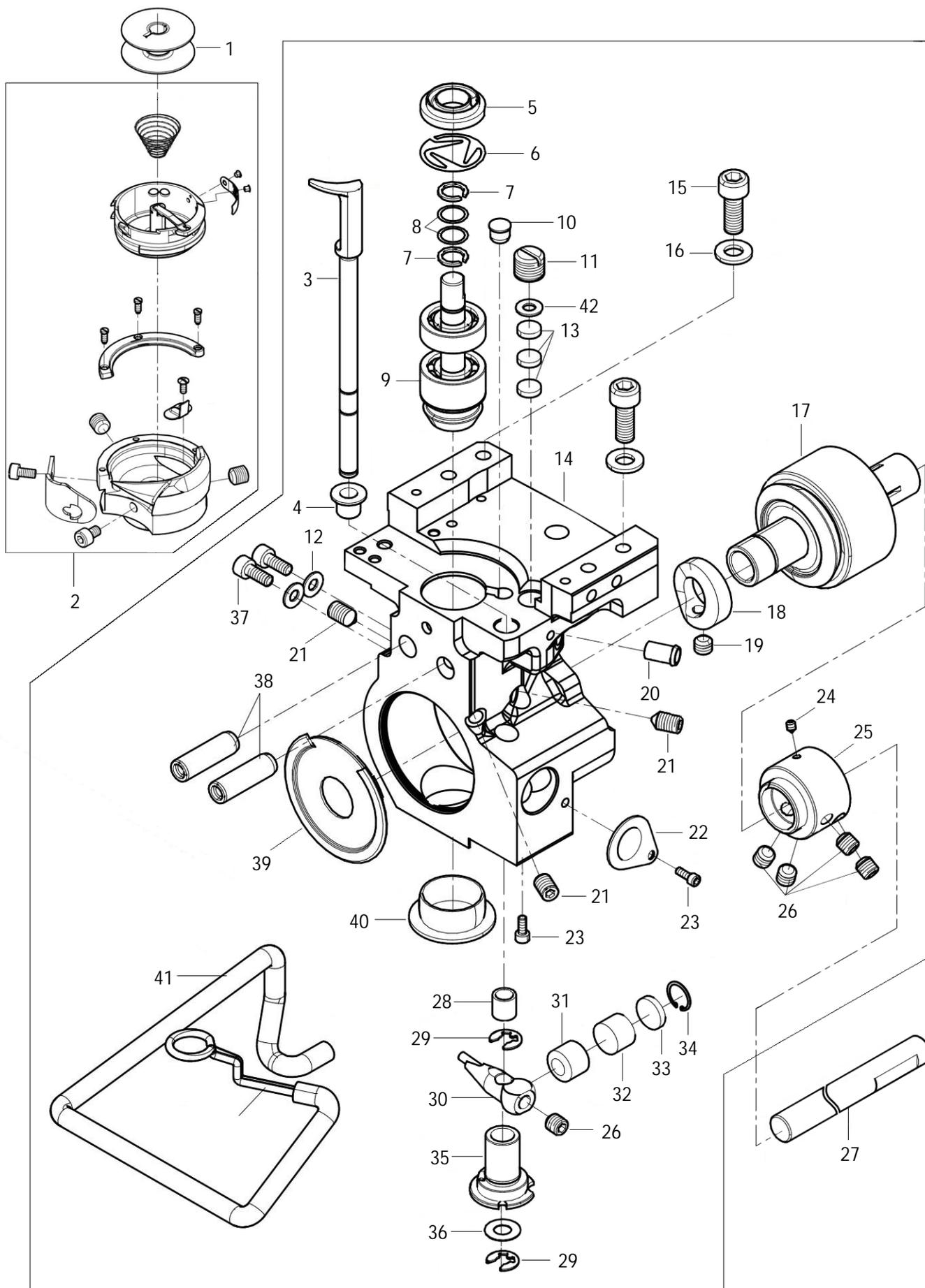
K. Feed lifting mechanism



L. Hook saddle (right) mechanism

Fig. No	Part No.	Name	Qty.	
			1-needle	2-needle
1	7.08.02.005	Bobbin	1	
2	7.08.02.003	Hook	1	
3	7.08.02.007	Hook thread distributing claw	1	
4	7.08.08.014	Plastic bushing $\varnothing 6 \times \varnothing 8 \times 8$	1	
5	7.08.16.008	Hook oil supply plastic cover	1	
6	7.08.17.006	Elastic washer	1	
7		C type elastic retaining ring	2	
8		Flat washer	3	
9	7.08.07.006	Hook gear shaft assy.	1	
10		Plastic plug		
11	7.08.15.037	Hook oil quantity adjusting screw M10×1.0×8	1	
12	7.08.18.004	Washer GB/T 97.1 4 ($\varnothing 4.4 \times \varnothing 8.7 \times 0.7$)	2	
13	7.08.16.009	Rubber insert	3	
14	7.08.13.005	Hook saddle (right)	1	
15	7.02.15.965	Internal hexagonal cylindrical head screw GB/T 70.1 M6×16	2	
16	7.02.18.003	Washer	2	
17	7.08.13.004	Right hook large gear assy.	1	
18	7.08.06.016	Thread distributing cam (right)	1	
19	7.08.15.014	Internal hexagonal flat end set screw GB/T 77 M6×5	1	
20	7.08.16.010	Oil tube joint	1	
21	7.08.15.016	Internal hexagonal cone end fastening screw M6×10	3	
22	7.08.11.004	Cover plate	1	
23	7.08.15.007	Internal hexagonal cylindrical head screw GB/T 70.1 M4×6	2	
24	7.08.15.013	Internal hexagonal cone end fastening screw M3×5	1	
25	7.08.08.013	Bushing	1	
26	7.08.15.001	Internal hexagonal flat end set screw GB/T 77 M6×6	5	
27	7.08.03.013	Lower shaft (left)	1	
28	7.08.08.015	Plastic bushing $\varnothing 6 \times \varnothing 8 \times 8$	1	
29	7.02.18.039	Split retaining ring GB/T 896 5	2	
30	7.08.02.008	Thread distributing cam slide bar	1	
31	7.08.16.013	Cylindrical plug	1	
32	7.08.16.012	Plastic spring	1	
33	7.08.16.011	Pad	1	
34	7.08.18.015	Elastic retaining ring GB/T893.1 14	1	
35	7.08.08.016	Thread distributing bushing (lower) (complete part)	1	
36	7.08.18.014	Washer $\varnothing 6 \times \varnothing 12 \times 0.3$	1	
37	7.08.15.015	Internal hexagonal cylindrical head screw GB/T 70.1 M4×10	2	
38	7.08.10.014	Hook shaft orientation pin	2	
39	7.08.16.014	Right hook saddle plastic cover	1	
40	7.08.16.015	Hook saddle plastic cover (lower)	1	
41		Oil tube $\varnothing 5 \times \varnothing 7 \times 300$	1	
42	7.08.18.021	Washer GB/T 97.1 4 ($\varnothing 4.4 \times \varnothing 8.7 \times 0.7$)	1	

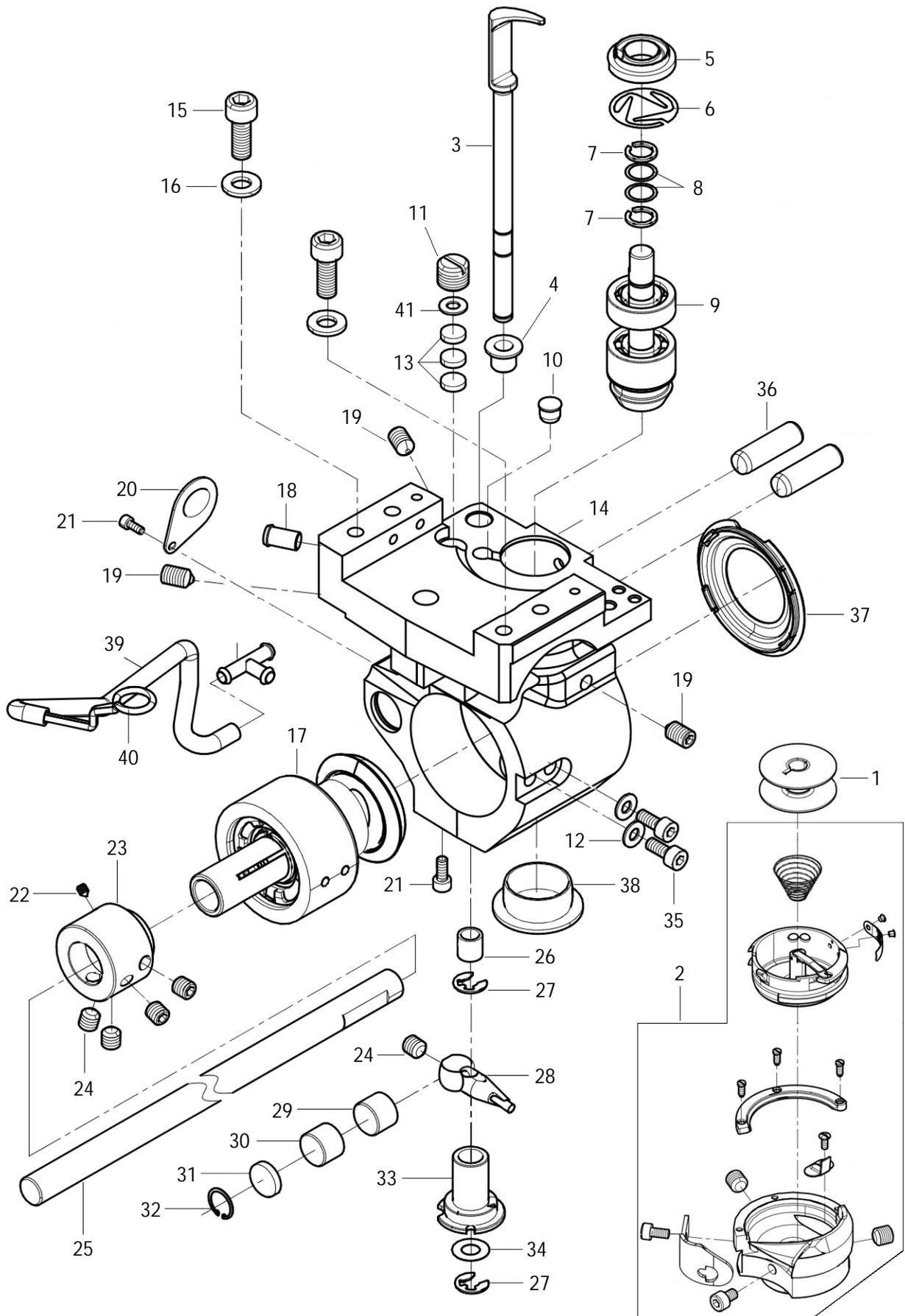
L. Hook saddle (right) mechanism



M. Hook saddle (left) mechanism

Fig. No	Part No.	Name	Qty.	
			1-needle	2-needle
1	7.08.02.005	Bobbin		1
2	7.08.02.003	Hook		1
3	7.08.02.007	Hook thread distributing claw		1
4	7.08.08.014	Plastic bushing $\varnothing 6 \times \varnothing 8 \times 8$		1
5	7.08.16.008	Hook oil supply plastic cover		1
6	7.08.17.006	Elastic washer		1
7		C type elastic retaining ring		2
8		Flat washer		3
9	7.08.07.006	Hook gear shaft assy.		1
10		Plastic plug		
11	7.08.15.037	Hook oil quantity adjusting screw M10×1.0×8		1
12	7.08.18.004	Washer GB/T 97.1 4 ($\varnothing 4.4 \times \varnothing 8.7 \times 0.7$)		2
13	7.08.16.009	Rubber insert		3
14	7.08.13.005	Hook saddle (left)		1
15	7.02.15.965	Internal hexagonal cylindrical head screw GB/T 70.1 M6×16		2
16	7.02.18.003	Washer		2
17	7.08.07.008	Left hook large gear assy.		1
	7.08.06.024	Thread distributing cam (left)		1
18	7.08.16.010	Oil tube joint		1
19	7.08.15.016	Internal hexagonal cone end fastening screw M6×10		3
20	7.08.11.004	Cover plate		1
21	7.08.15.007	Internal hexagonal cylindrical head screw GB/T 70.1 M4×6		2
22	7.08.15.013	Internal hexagonal cone end fastening screw M3×5		1
23	7.08.08.013	Bushing		1
24	7.08.15.001	Internal hexagonal flat end set screw GB/T 77 M6×6		5
25	7.08.03.018	Lower shaft (left)		1
26	7.08.08.015	Plastic bushing $\varnothing 6 \times \varnothing 8 \times 8$		1
27	7.02.18.039	Split retaining ring GB/T 896 5		2
28	7.08.02.008	Thread distributing cam slide bar		1
29	7.08.16.013	Cylindrical plug		1
30	7.08.16.012	Plastic spring		1
31	7.08.16.011	Pad		1
32	7.08.18.015	Elastic retaining ring GB/T893.1 14		1
33	7.08.08.016	Thread distributing bushing (lower) (complete part)		1
34	7.08.18.014	Washer $\varnothing 6 \times \varnothing 12 \times 0.3$		1
35	7.08.15.015	Internal hexagonal cylindrical head screw GB/T 70.1 M4×10		2
36	7.08.10.014	Hook shaft orientation pin		2
37	7.08.16.040	Left hook saddle plastic cover		1
38	7.08.16.015	Hook saddle plastic cover (lower)		1
39		Oil tube $\varnothing 5 \times \varnothing 7 \times 300$		1
40		Oil wick		1
41	7.08.18.021	Washer GB/T 97.1 4 ($\varnothing 4.4 \times \varnothing 8.7 \times 0.7$)		1

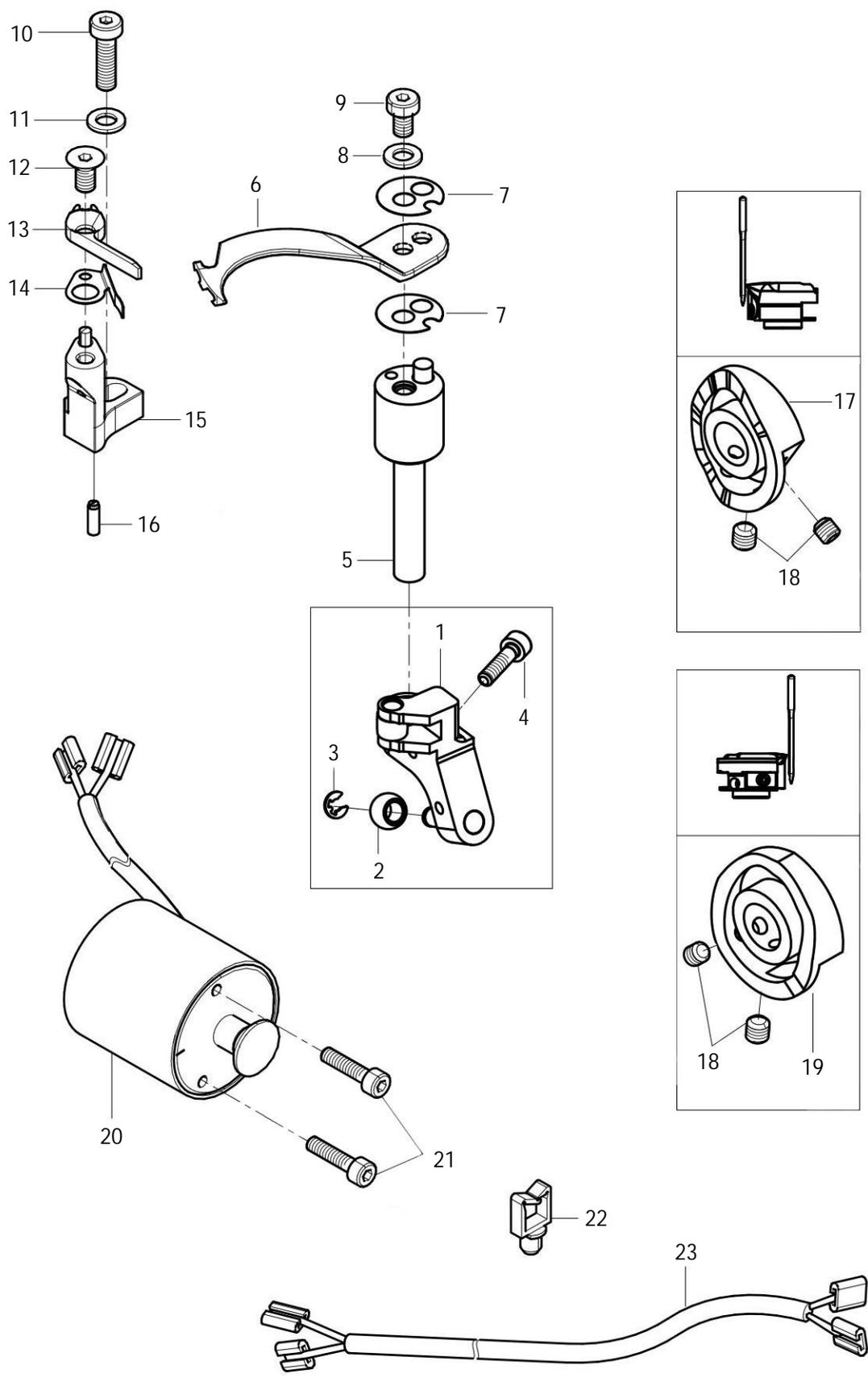
M. Hook saddle (left) mechanism



N. Thread trimming mechanism

Fig. No	Part No.	Name	Qty.	
			1-needle	2-needle
1	7.08.06.017	Thread trimming crank assy.	1	2
2		Ball	1	2
3		Split retaining ring GB/T 896 3	1	2
4	7.02.15.572	Internal hexagonal cylindrical head screw GB/T 70.1 M4×16	1	2
5	7.08.13.006	Movable knife shaft	1	2
6	7.08.20.001	Movable knife	1	2
7	7.08.18.017	Movable knife adjusting washer	4	8
8	7.08.18.016	Washer $\varnothing 5.4 \times \varnothing 8.7 \times 1.0$	1	2
9	7.08.15.017	Movable knife screw M5×10	1	2
10	7.08.15.018	Fixed knife seat screw M5×16	1	2
11	7.08.18.016	Washer GB/T 97.1 5	1	2
12	7.08.15.019	Internal hexagonal countersunk screw	1	2
13	7.08.20.002	Fixed knife	1	2
14	7.08.20.003	Thread clamp spring plate	1	2
15	7.08.13.007	Fixed knife seat	1	2
16		Fixed knife seat orientation pin	1	2
17	7.08.06.018	Thread trimming cam (right)	1	1
18	7.08.15.001	Internal hexagonal flat end set screw GB/T 77 M6×6	2	4
19	7.08.06.025	Thread trimming cam (left)		1
20	7.08.19.004	Thread trimming solenoid	1	2
21	7.08.15.024	Internal hexagonal cylindrical head screw GB/T 70.1 M4×20	2	4
22	7.08.16.016	Thread clamp	1	2
23	7.08.19.011	Thread trimming solenoid connecting cable	1	2

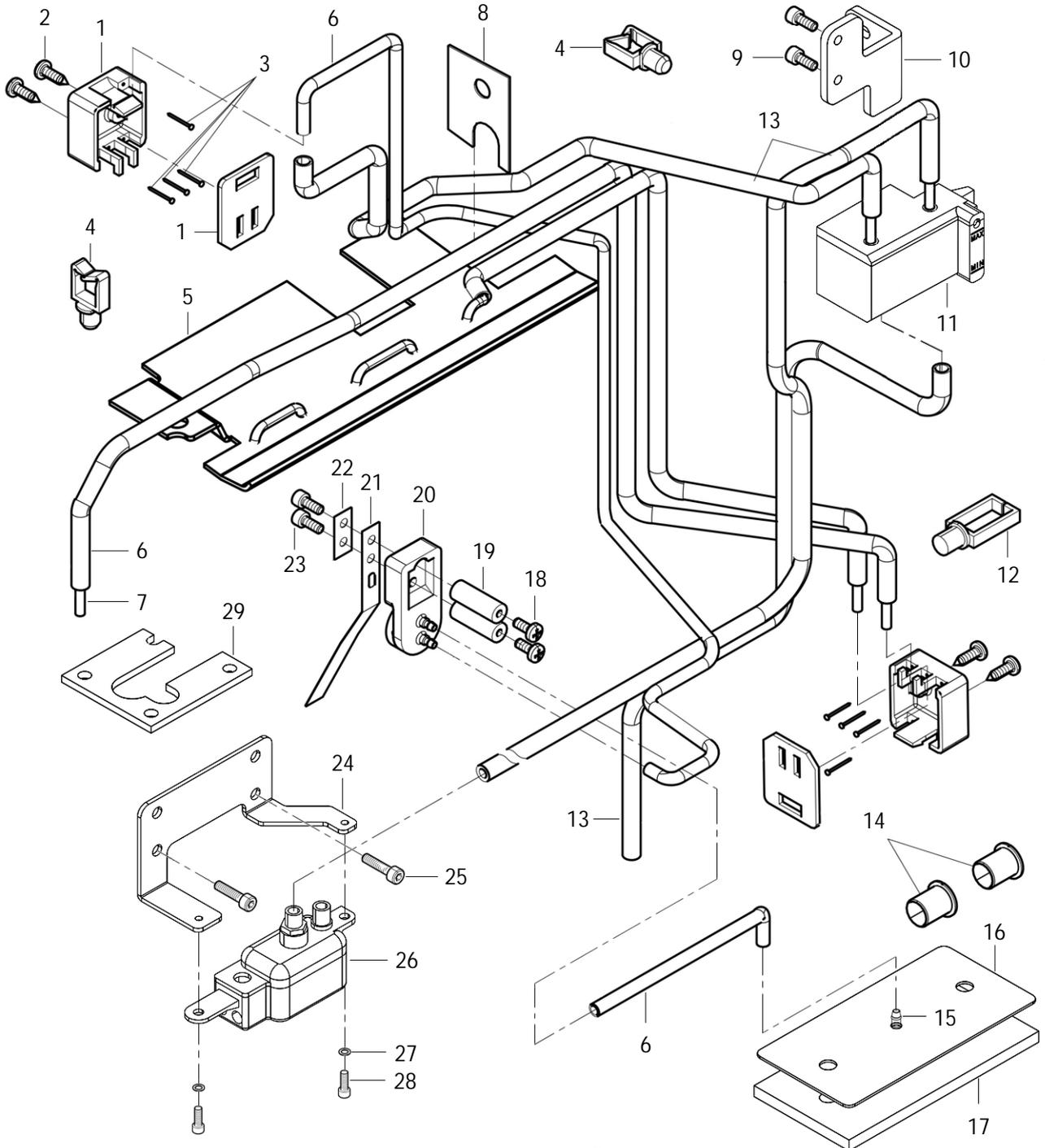
N. Thread trimming mechanism



O. Oil lubrication mechanism

Fig. No	Part No.	Name	Qty.	
			1-needle	2-needle
1	7.08.16.020	Oil box	2	2
2	7.08.15.027	Oil box screw	4	4
3	7.08.10.020	Iron screw	8	8
4	7.08.16.016	Thread clamp	2	2
5	7.08.16.038	Machine head oil felt	1	1
6		Oil tube	1	1
7		Oil wick	1	1
8	7.08.11.006	Oil tube fixed plate	1	1
9	7.08.15.015	Oil box screw M4X10	4	4
10	7.08.11.008	Upper oil box bracket	1	1
11	7.08.16.024	Upper oil box	1	1
12	7.08.16.019	Thread clamp	1	1
13		Oil tube	1	1
14	7.08.16.021	Protective sleeve	2	2
15	7.02.16.597	Oil nozzle	1	1
16	7.08.21.005	Oil felt press plate	1	1
17		Oil reservoir oil felt	1	1
18	7.08.15.004	Cross groove head screw GB/T 818 M4×10	2	2
19	7.08.15.028	Oil pump support column	2	2
20	7.08.16.034	Oil pump	1	1
21	7.08.17.009	Oil pump spring plate	1	1
22	7.08.11.007	Oil pump washer	1	1
23	7.08.15.010	Internal hexagonal cylindrical head screw M4X8	2	2
24	7.08.11.012	Lower oil box bracket	1	1
25	7.02.15.053	Internal hexagonal cylindrical head screw M5X10	2	2
26	7.08.16.023	Lower oil box	1	1
	7.02.16.028	Lower oil box plug	1	1
	7.02.16.036	Lower oil box plug	1	1
27		Washer		
28	7.08.15.007	Internal hexagonal cylindrical head screw M4X6	2	2
29	7.08.16.039	Machine head light oil felt	1	1

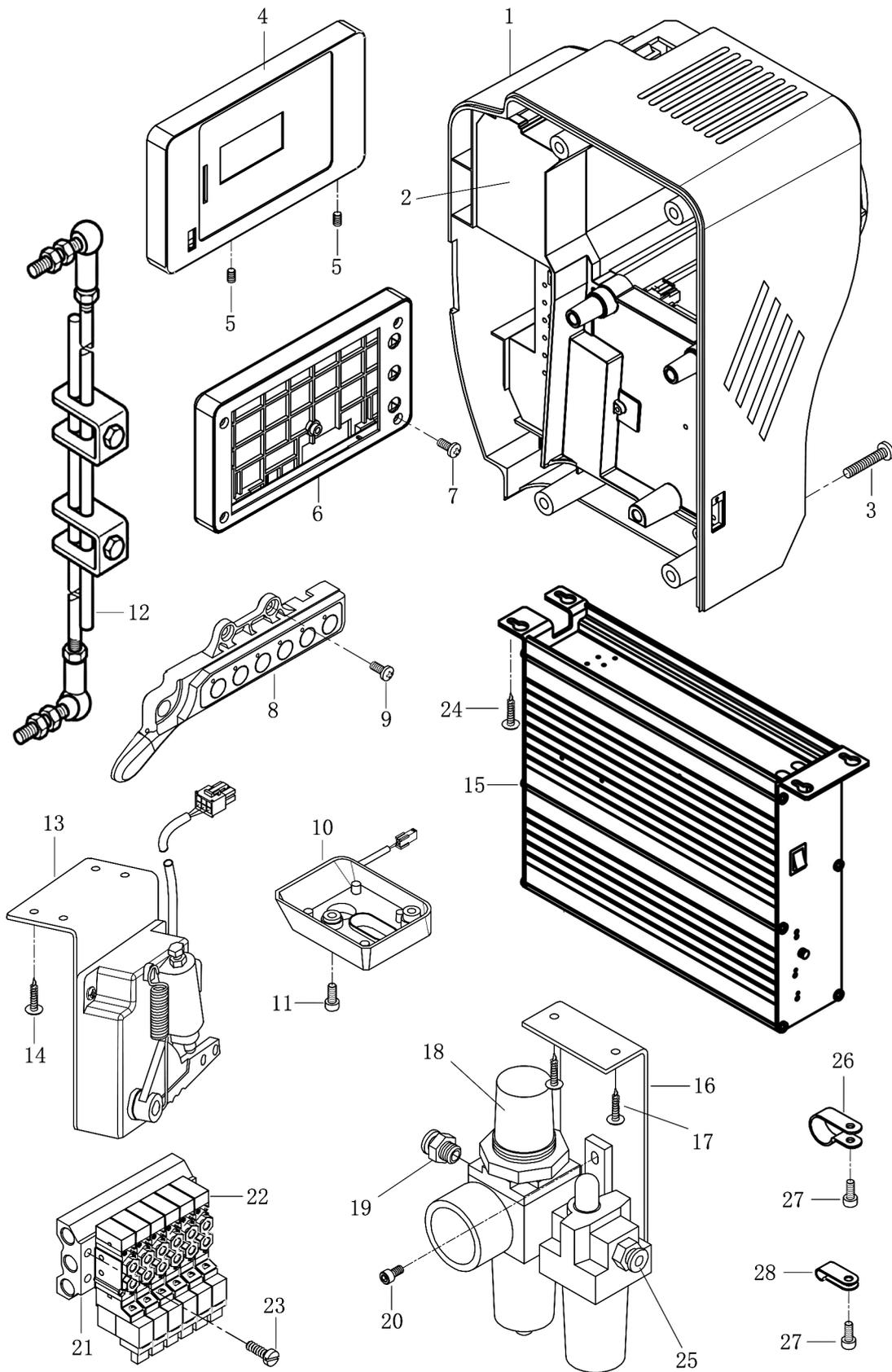
O. Oil lubrication mechanism



P. Electrical mechanism

Fig. No	Part No.	Name	Qty.	
			1-needle	2-needle
1	7.08.16.031	Electronic control box cover	1	1
	7.08.16.041	Electrical control box plug (967)	1	1
2	7.02.19.471	Electronic control system (957)	1	1
3	7.08.15.031	Cross groove head screw M5X30	4	4
4	7.08.16.033	Operation panel (press key type) (957)	1	1
5	7.02.15.047	Internal hexagonal set screw M4X4 (957)	2	2
6	7.08.16.032	Operation panel (967)	1	1
7	7.08.15.044	Slotted head screw M3X18 (967)	4	4
8	7.08.16.030	Switch cover	1	1
9	7.02.15.1080	Cross groove head screw M4X8	2	2
10	7.08.19.010	Machine head light	1	1
11	7.08.15.025	Internal hexagonal cylindrical head screw M4X12	2	2
12		Pulling lever	1	1
13		Speed control padel	1	1
14	7.08.15.026	Screw	4	4
15	7.08.19.100	Electronic control box (967)	1	1
16	7.08.11.016	Air source processer mounting plate	1	1
17	7.02.21.033	Screw	2	2
18	7.02.19.130	Air source processer	1	1
19	7.02.19.520	Straight way joint	1	1
20	7.02.15.053	Internal hexagonal cylindrical head screw M5X10	2	2
21		Accordant junction plate	1	1
22	7.08.19.008	Solenoid valve assy. (967)	1	1
	7.08.19.018	Solenoid valve assy. (957)	1	1
23	7.02.15.799	Internal hexagonal cylindrical head screw M4X25	2	2
24	7.08.15.026	Screw (967)	4	4
25	7.02.19.522	Straight way joint	1	1
26	7.02.16.413	Big thread clamp	1	1
27	7.02.15.1080	Cross groove head screw M4X8	2	2
28	7.02.16.166	Small thread clamp	1	1

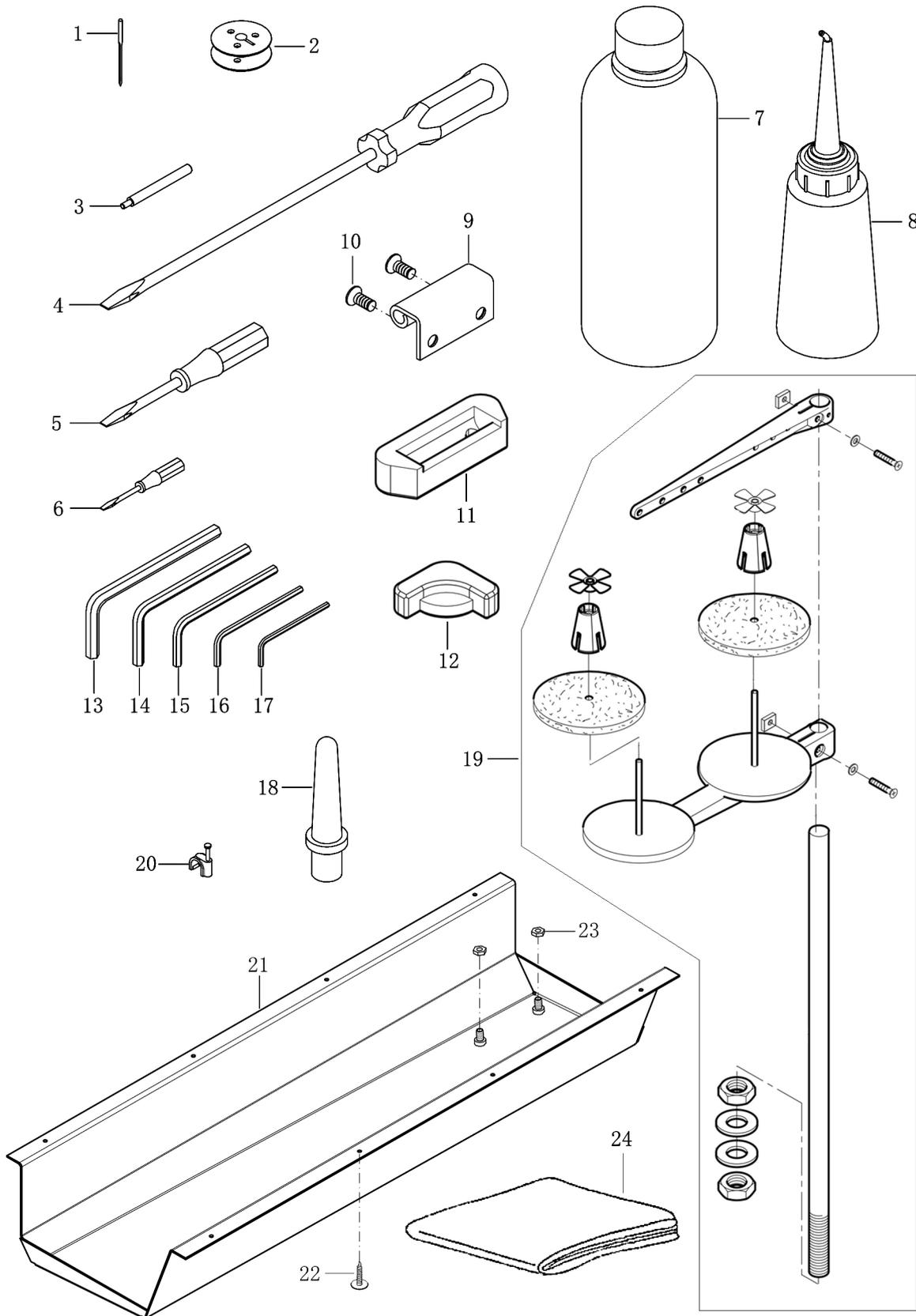
P. Electrical mechanism



Q. Accessories

Fig. No	Part No.	Name	Qty.	
			1-needle	2-needle
1	7.08.21.001	Needle	1	2
2	7.08.02.005	Bobbin (32)	4	8
	7.08.02.006	Bobbin (26)	4	8
3	7.08.21.006	Locking pin	1	1
4	7.02.21.003	Screw driver (Large)	1	1
5	7.02.21.002	Screw driver (Middle)	1	1
6	7.02.21.001	Screw driver (Small)	1	1
7	7.02.21.096	Oil pot (big)	1	1
8	7.02.21.076	Oil pot (small)	1	1
9	7.08.21.002	Hinge	2	2
10	7.08.15.033	Screw	4	4
11	7.08.21.003	Hinge cover	2	2
12	7.02.21.228	Vibration preventing rubber	2	2
13	7.02.21.100	Inner hexagon spanner 5mm	1	1
14	7.02.21.099	Inner hexagon spanner 4mm	1	1
15	7.02.21.209	Inner hexagon spanner 3mm	1	1
16	7.02.21.098	Inner hexagon spanner 2.5mm	1	1
17	7.02.21.102	Inner hexagon spanner 2mm	1	1
18	7.02.21.077	Head rest wood (957)	1	1
19	7.08.21.007	Thread stand	1	1
20		Thread clamp	1	1
21	7.08.21.004	Oil reservoir	1	1
22	7.02.21.033	Screw	8	8
23	7.08.15.012	Nut	2	2
24	7.02.21.018	Machine head cover	1	1

Q. Accessories



R. Needle gauge

Fig. No	Part No.	Name	Qty.	
			1-needle	2-needle
1		1-needle gauge 6mm		
1-1		Inner presser foot		
1-2		Outer presser foot		
1-3		Needle plate		
1-4		Feed dog		
2		1-needle gauge 9mm		
2-1	7.08.02.017	Inner presser foot		
2-2	7.08.02.016	Outer presser foot		
2-3	7.08.02.014	Needle plate		
2-4	7.08.02.015	Feed dog		
3		1-needle gauge 12mm		
3-1		Inner presser foot		
3-2		Outer presser foot		
3-3	7.08.02.025	Needle plate		
3-4		Feed dog		
4		2-needle gauge 8 mm		
4-1	7.08.02.033	Inner presser foot		
4-2	7.08.02.032	Outer presser foot		
4-3	7.08.02.035	Needle plate		
4-4	7.08.02.031	Feed dog		
4-5	7.08.02.034	Needle holder assy.		
5	7.08.02.009	1-needle slide plate (left)		
6	7.08.02.010	1-needle slide plate (right)		
7	7.08.02.012	2-needle slide plate (left)		
8	7.08.02.021	2-needle slide plate (right)		

R. Needle gauge

