

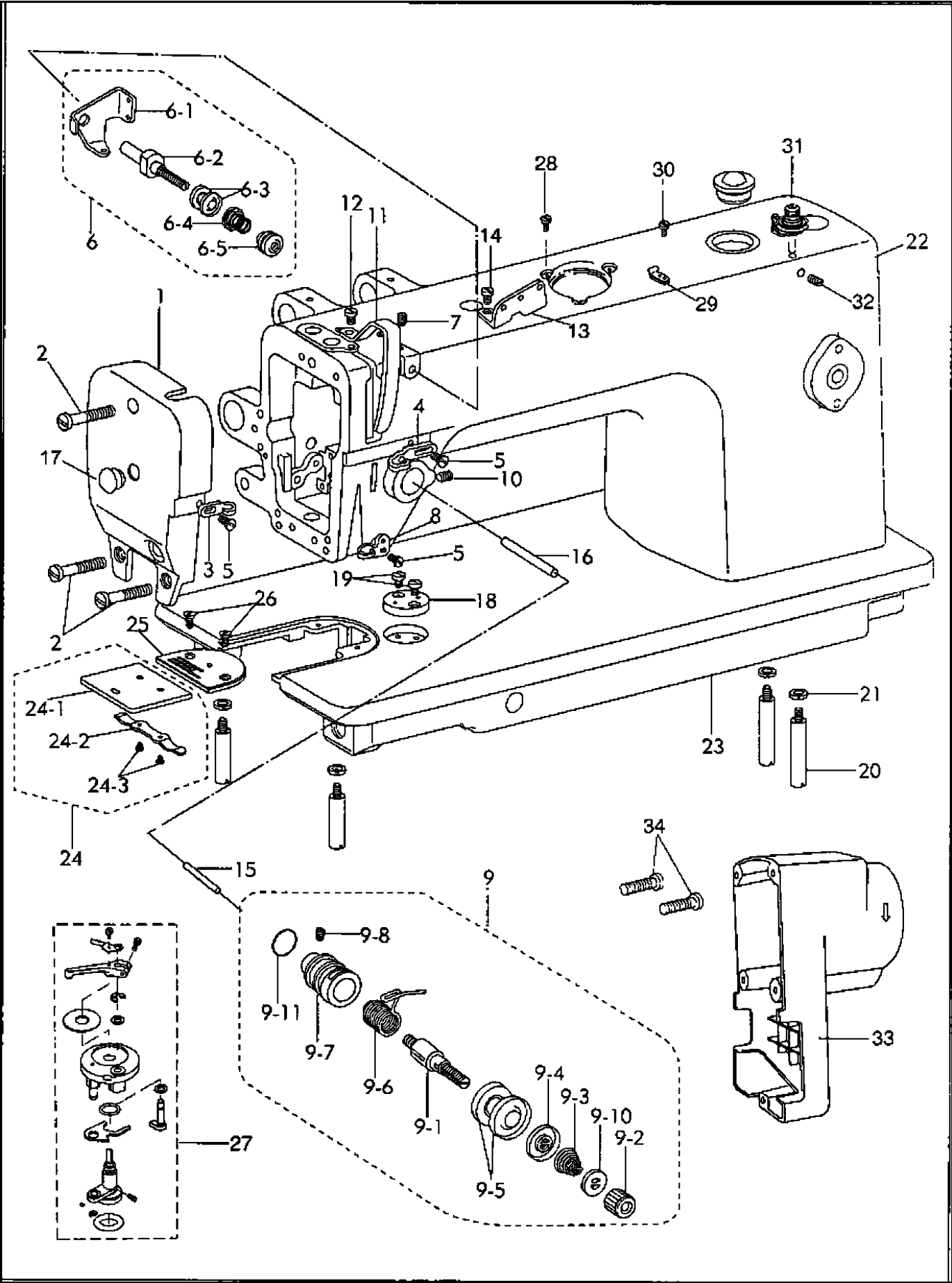
PARTS BOOK

Walker 6LF

Automatic heavy-duty industrial lockstitch
sewing machine with walking foot

HD *texi*

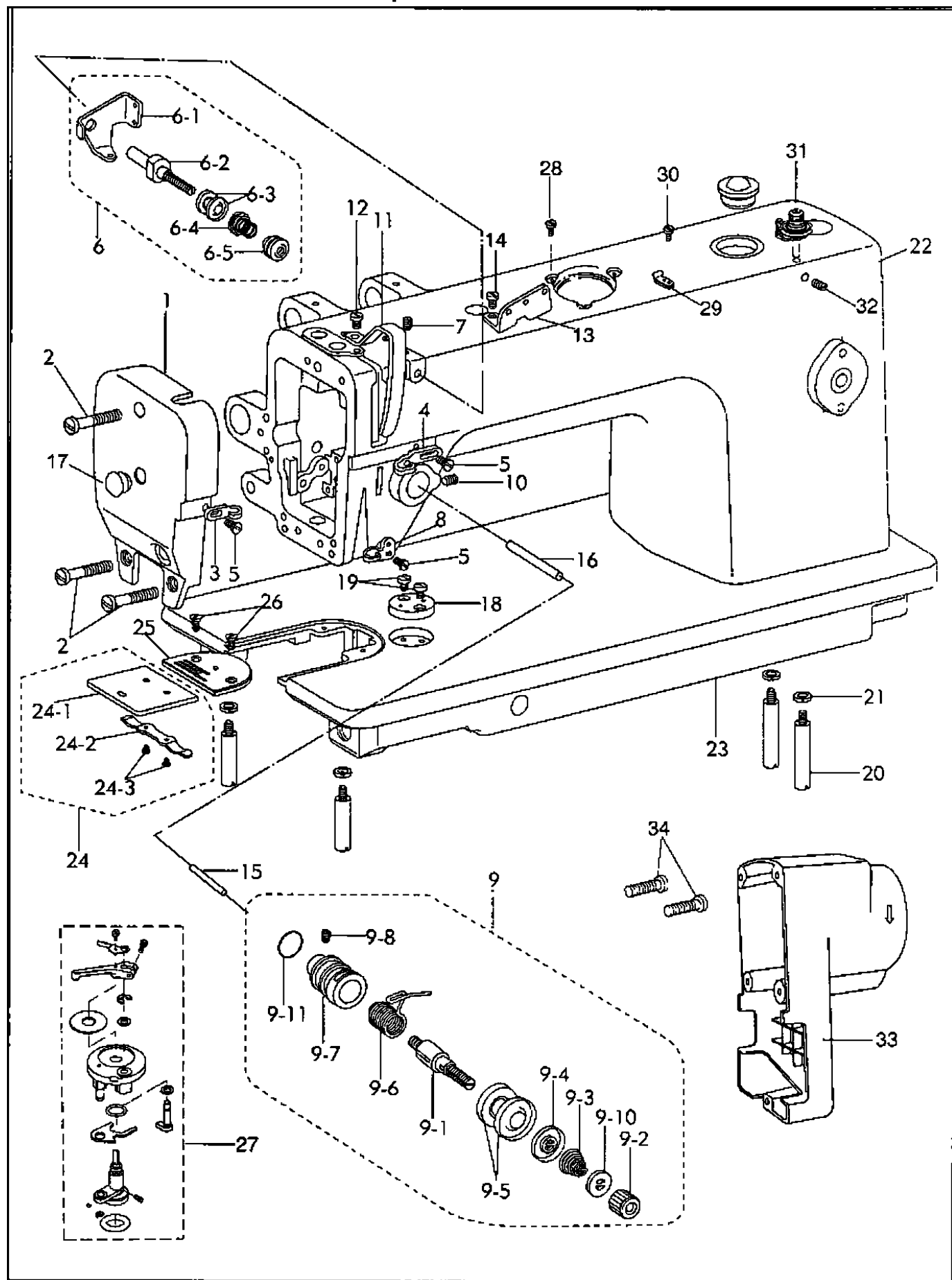
1. Casting mechanism



1. Casting mechanism

No.	Part Number	Name	Standard	Option
1	1KT1-002	Face plate	1	-
	-	Face plate	-	1
2	7WF4-004	Screw	3	-
	-	Screw	-	3
3	22T1-003C5	Thread guide	1	1
4	22T1-014	Thread guide	1	1
5	22T1-003C6	Screw	3	3
6	36T2-006D	Thread guide assy.	1	1
6-1	36T2-006D1	Thread guide	1	1
6-2	36T2-006D2	Pre-tension stud	1	1
6-3	22T2-009E3	Tension disc	2	2
6-4	2KT2-011	Tension spring	1	1
6-5	36T2-006D4	Adjusting screw	1	1
7	20T1-004	Set screw	1	1
8	7WF4-015	Thread guide	1	1
9	33T4-008C	Thread tension bracket assy.	1	1
9-1	22T1-012F1	Tension stud	1	1
9-2	22T1-012F2	Tension nut	1	1
9-3	33T4-008C1	Tension spring	1	1
9-4	22T1-012F4	Disc presser	1	1
9-5	22T1-012F5	Disc, tension	2	2
9-6	22T1-012F6	Thread take-up spring	1	1
9-7	22T1-012F7	Thread tension bracket	1	1
9-8	22T1-012F8	Set screw	1	1
9-10	22T1-012F10	Stopper	1	1
9-11	22T1-012F11	O ring	1	1
10	22T1-013	Set screw	1	1
11	1KT1-003	Cover	1	1
12	22T2-004	Screw	1	1
13	36T2-004	Thread retainer	1	1
14	36T2-005	Screw	1	1
15	2KT4-002	Tension release pin	1	1
16	2KT4-003	Tension release stud	1	1
17	7WF4-030	Rubber plug	1	1
18	7WF4-005	Ruler plate	1	1
19	1WF3-025	Screw	2	2
20	7WF4-013	Bed leg	4	4
21	-	Washer, spring	4	4
22	271WF1-001	Arm	1	-
	258WF1-001	Arm	-	1
23	241WF1-001	Bed	1	1
24	-	Slide plate assy.	1	1
24-1	7WF4-006	Slide plate	1	1
24-2	20T1-013F2	push the spring	1	1
24-3	20T1-013F3	Screw	2	2
25	2KT2-003	Needle plate	1	1
26	22T1-020	Screw	2	2
27	199WF5-012	winding device assembly	1	1
28	92WF2-027	Screw	3	3
29	52WF2-043	cutting knife	1	1
30	36WF2-031	Screw	2	2
31	258WF1-005	Thread guide assy.	1	-
32	1WF5-019	Screw	1	1
33	258WF1-006	motor cover	1	1
34	-	Screw	5	5

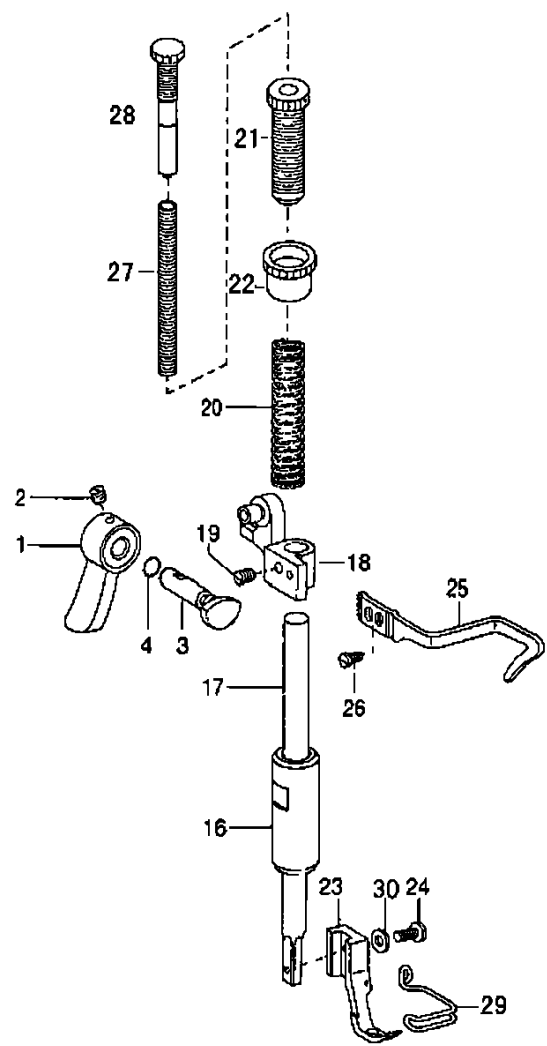
2. Needle bar and thread take-up mechanism



2. Needle bar and thread take-up mechanism

No.	Part Number	Name	Standard	Option
1	271WF2-001	Upper shaft	1	1
2	22T3-001A2	Robber cap	1	1
3	22T3-002B1	Collar	1	1
4	22T3-002B2	Screw	2	2
5	4WF1-006A	Bush, L	1	1
6	4WF1-002	Bush, M	1	1
7	J0.0.40	Set screw	1	1
8	-	Bush, R	1	1
9	258WF2-004	Oil seal	1	1
10	258WF2-006	Hand wheel	1	1
11	258WF2-007	Screw	2	2
12	33T1-004B	Thread take-up lever set	1	1
13	33T1-002	Support shaft	1	1
14	J0.0.5	Set screw	2	2
15	4WF1-007A	Thread take-up crank	1	1
16	33T1-006C3	Screw	1	1
17	22T2-005B3	Screw	1	1
18	33T1-006C2	Screw	1	1
19	20T2-007	Screw	1	1
20	22T2-008	Bush, U	1	1
21	22T2-011	Rubber cap	1	1
22	2KT1-002	Bush, D	1	1
23	258WF2-002	Screw	1	1
24	2KT1-001	Needle bar	1	1
25	22T2-015	Thread guide	1	1
26	-	Needle	1	1
27	22T2-017	Set screw	1	1
28	2KT1-003	Guide	1	1
29	33T1-013	Slide block	1	1
30	22T2-019	Screw	2	2
31	33T1-015H	Needle bar clamp assy.	1	1
31-1	22T8-001A8	Needle bar clamp	1	1
31-2	22T8-001A9	Set screw	1	1
32	2KT4-013	Screw	1	1
33	2KT4-010	Wire holder, U	1	1
34	2KT4-012	Wire holder, D	1	1
35	33T1-005	Washer	1	1
36	22T1-010	Felt	1	1
37	2KT4-011	Screw	2	2
38	2KT4-006	Spring	1	1
39	2KT4-004	Tension release plate	1	1
40	2KT4-005	Tension release pin	1	1
41	-	Retaining ring	1	1
42	2KT4-009	Screw	1	1
43	258WF2-003	Connect block	1	1
44	19WF3-005	Screw	4	4
45	-	Screw (GB/T6)	4	4
46	-	Washer (GB/T8)	4	4
47	-	Washer (GB/T9)	4	4
48	2KT8-001	Ground wire assy.	1	1
49	2KT5-005	Screw	1	1
50	6K2-043	Screw	2	2
51	18WF4-023	Screw	1	1
52	22T1-007	Washer	1	1

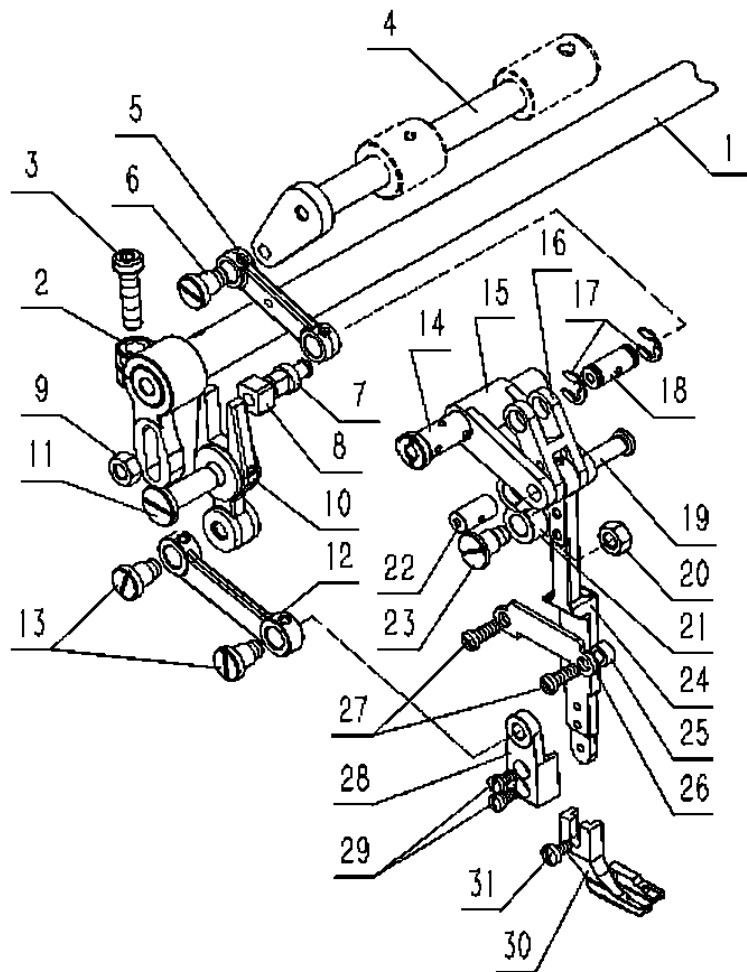
3. Presser foot mechanism



3. Presser foot mechanism

No.	Part Number	Name	Qt.	Note
1	33T3-003	Presser bar lifter	1	
2	22T1-011	Screw	1	
3	4WF3-002	Lifter crank	1	
4	-	O ring	1	
16	34T3-305	Bush	1	
17	241WF5-001	Presserbar	1	
18	7WF3-001	Guide bracket	1	
19	61-04-01/B308	Screw	1	
20	20T4-002	Spring, compression	1	
21	233WF6-002	Adjusting screw, presser	1	
22	233WF6-003	Adjusting nut, presser	1	
23	7WF3-003	Presser foot, inside	1	
24	22T7-015	Screw	1	
25	7WF3-002	Thread guide	1	
26	33T3-006	Screw	1	
27	233WF6-005	Adjusting spring	1	
28	233WF6-004	Adjustng screw	1	
29	-	Safety finger	1	
30	7WF3-004	Finger guard	1	

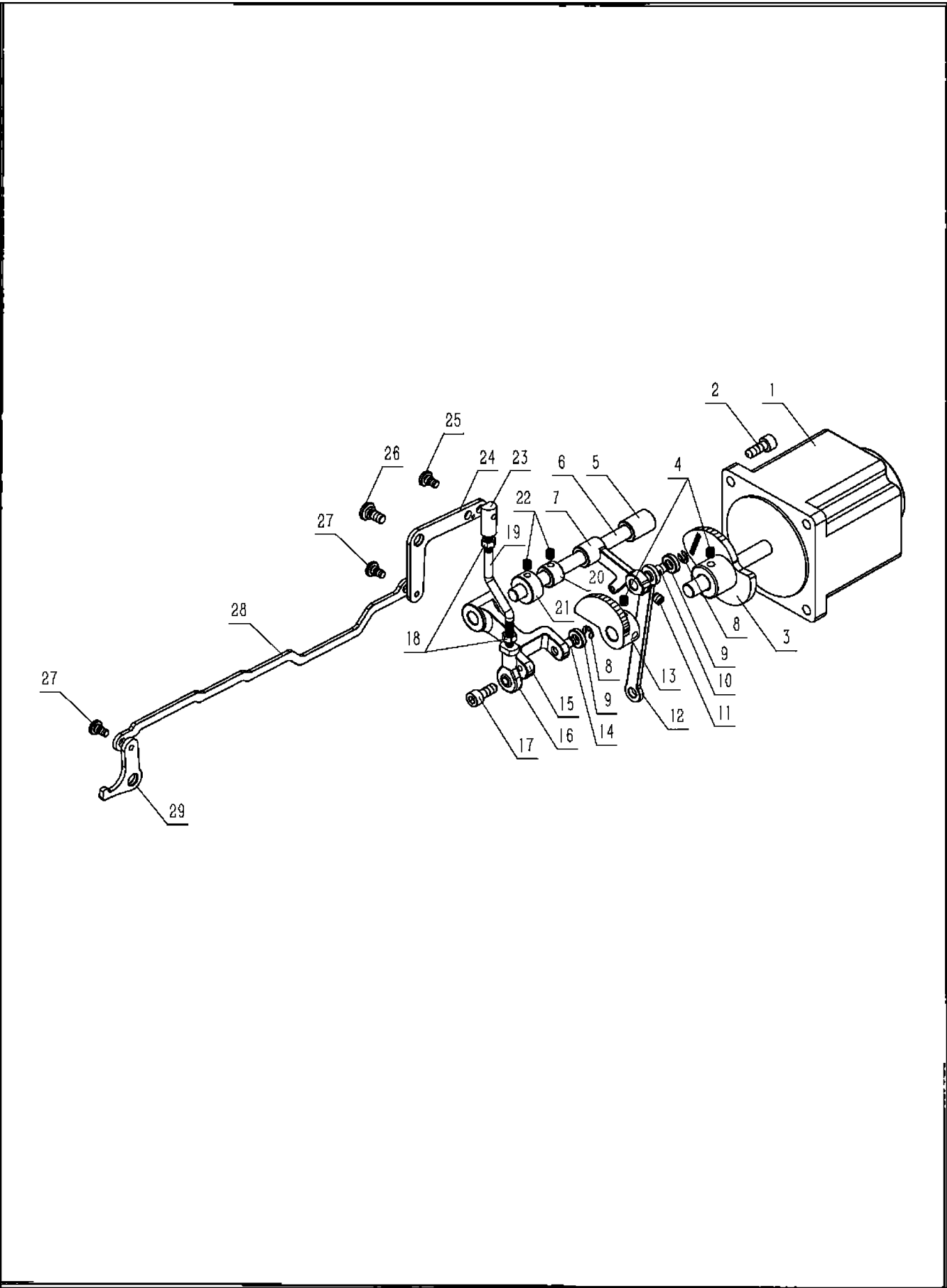
4. Upper Feed Mechanism



4. Upper Feed Mechanism

No.	Part Number	Name	Qt.	Note
1	-	Upper feed shaft	1	
2	-	Crank	1	
3	-	Screw	1	
4	-	Feed lifting shaft	1	
5	-	Link	1	
6	-	Shoulder Screw	1	
7	-	Roller shaft	1	
8	-	Slide block	1	
9	-	Nut	1	
10	-	Lever	1	
11	-	Shaft	1	
12	-	Link	1	
13	-	Shoulder Screw	2	
14	-	Shaft	1	
15	-	Crank	1	
16	-	Feed lever	1	
17	-	E-Ring	2	
18	-	Ping shaft (L)	1	
19	-	Shaft	1	
20	-	Nut	1	
21	-	Link	1	
22	-	Ping shaft (S)	1	
23	-	Axial Screw	1	
24	-	Connecting rod	1	
25	-	Collar	2	
26	-	Rod guide	1	
27	-	Screw	2	
28	-	Clamper	1	
29	-	Screw	2	
30	-	Walking foot	1	
31	-	Screw	1	

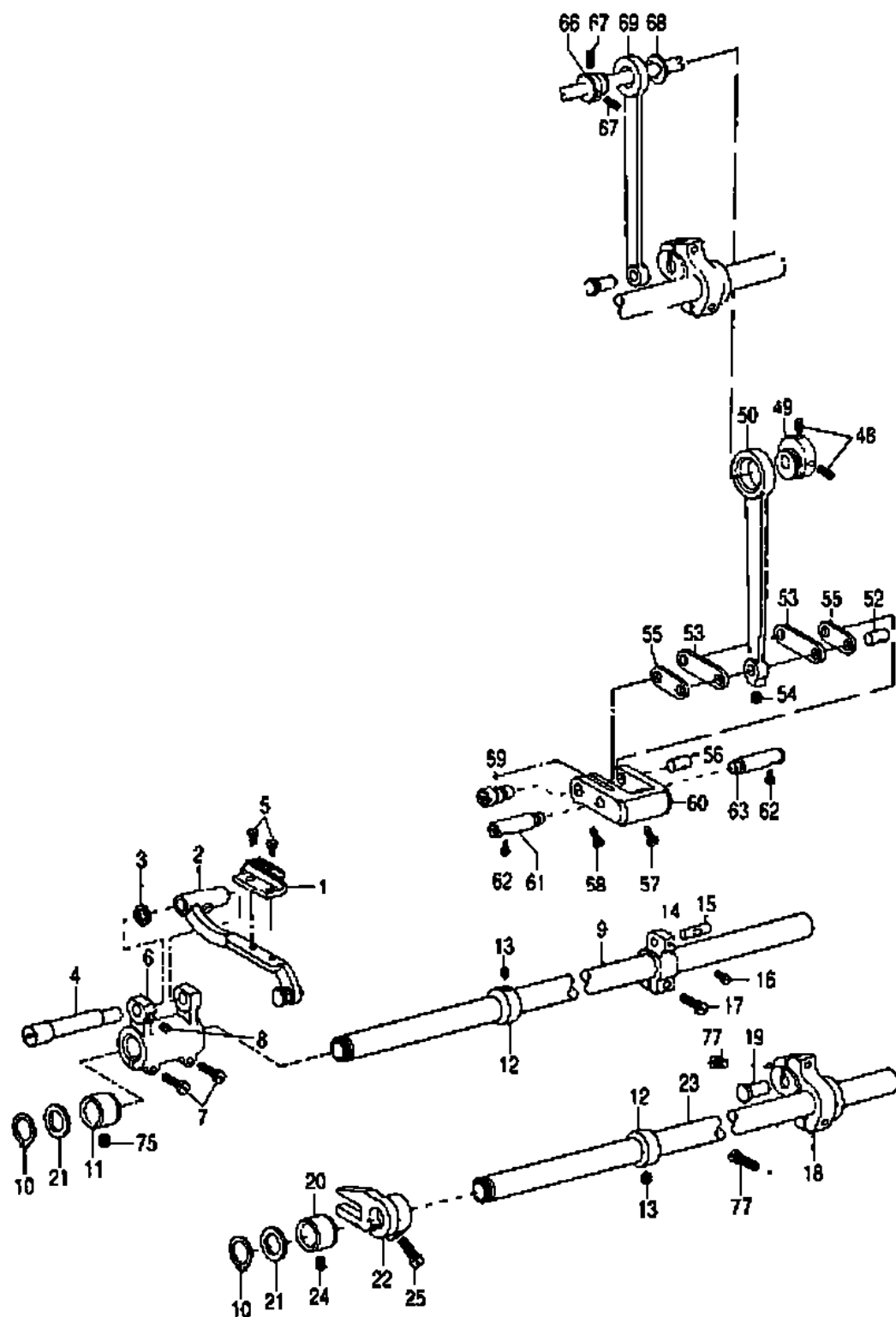
5. Presser foot mechanism



5. Presser foot mechanism

No.	Part Number	Name	Qt.	Note
1	-	step motor	1	
2	-	Screw	4	
3	-	stitch length adjustor cam	1	
4	-	Screw	4	
5	-	Bush	1	
6	-	Shaft	1	
7	-	Feed rank	1	
8	-	E-Ring	2	
9	-	pin roller	2	
10	-	Ping shaft	1	
11	-	Screw	1	
12	-	Link	1	
13	-	presser foot lifter cam	1	
14	-	Ping shaft	1	
15	-	presser foot lifter crank	1	
16	-	Ball head assembly	1	
17	-	Screw	1	
18	-	Nut	2	
19	-	Lifter bar	1	
20	-	Collar (S)	1	
21	-	Collar(B)	1	
22	-	Screw	4	
23	-	connecting block	1	
24	-	Lever	1	
25	-	Axial Screw	1	
26	-	Axial Screw	1	
27	-	Axial Screw	2	
28	-	Collecting rod	1	
29	-	Lifter lever	2	

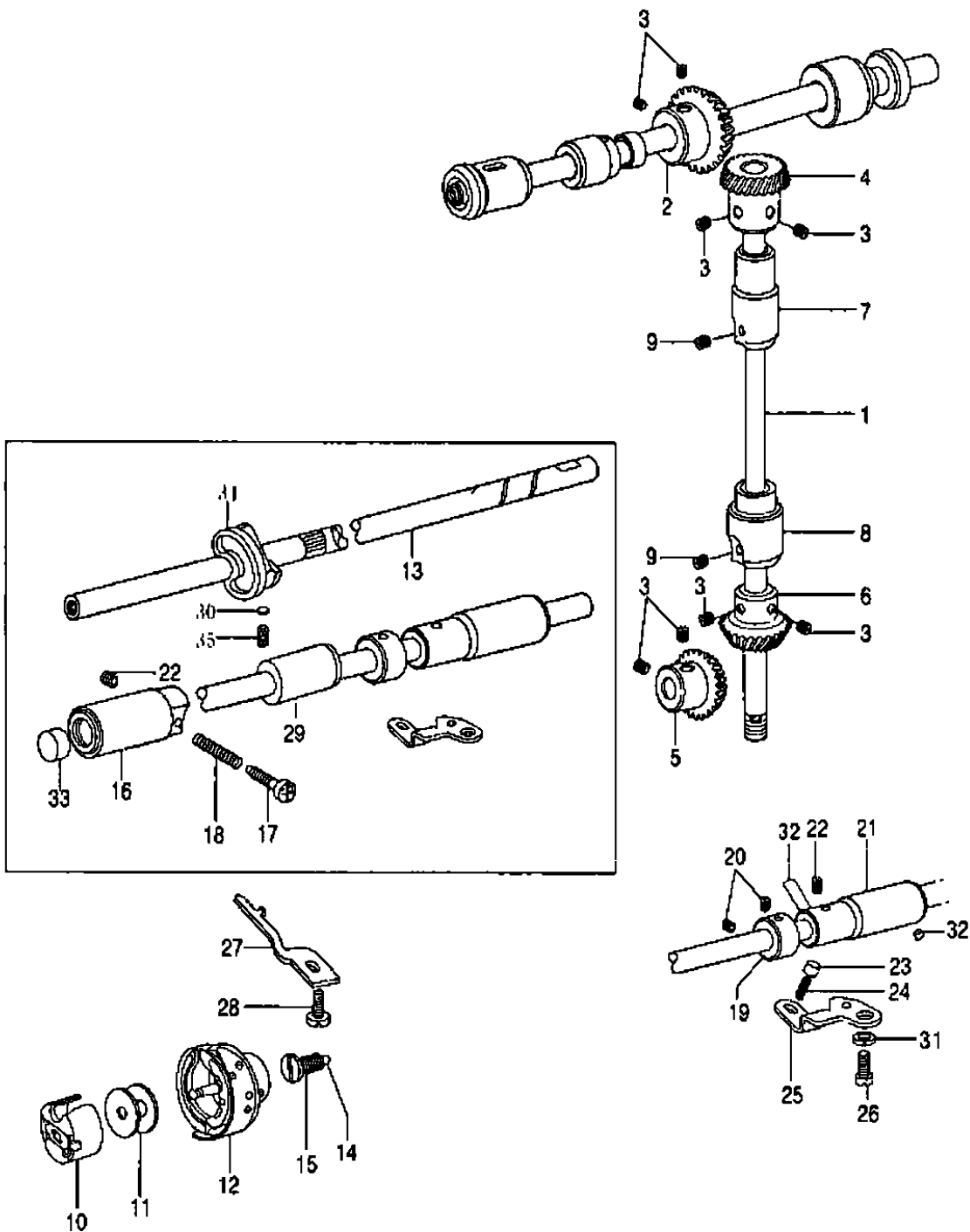
6. Feed mechanism



6. Feed mechanism

No.	Part Number	Name	Qt.	Note
1	2KT3-001	Feed dog	1	
2	36T4-001A1A1	Feed bar	1	
3	51T5-001A6	Washer	1	
4	36T4-001A2	Shaft	1	
5	J0.0.50	Screw	1	
6	4WF2-002	Feed rock arm	1	
7	61-04-01/B504	Screw	2	
8	22T2-019	Screw	2	
9	81WF3-003	Feed shaft	1	
10	-	Retaining ring	2	
11	-	Bush, L	2	
12	22T6-004	Collar	2	
13	22T3-002B1	Set screw	4	
14	22T3-002B2	Feed rocker arm	1	
15	4WF2-006	Stud	1	
16	82T2-003C1A10-2	screw	1	
17	36T5-008E5	screw	1	
18	22T6-008D3	Feedlifting arm	1	
19	68WF3-011	Pin	1	
20	22T6-007	Bush, L	1	
21	22T6-012	Washer	2	
22	51T5-013	Feed lifting arm	1	
23	36T4-018H1D1	Shaft	1	
24	7WF2-001	Screw	1	
25	J0.0.5	Screw	1	
48	36T3-003D2	Set screw	2	
49	36T5-008E1	Feed cam	1	
50	4WF2-009A	Feed connecting rod	1	
51	4WF2-009B	Connecting rod	1	
52	82T2-003C1A10-1	Stud	1	
53	36T5-008E4H02	Link	2	
54	36T5-008E5	Set screw	1	
55	36T5-008E4H01	Link	2	
56	36T5-008E6	Shaft	1	
57	36T5-008E7	Screw	1	
58	36T5-008E8	Screw	1	
59	36T5-008E9	Shaft	1	
60	36T5-008E10	Feed regulator crank	1	
61	5WF1-002	Pin shaft, L	1	
62	22T6-008D3	Screw	1	
63	5WF1-001	Pin shaft, R	1	
66	36T3-003D1	Eccentric wheel	1	
67	36T3-003D2	Screw	1	
68	36T3-004	Holder	1	
69	22T3-009D1C	Feed lifting rod	1	
75	J0.0.35	Screw	1	
76	2KT3-007	Pin shaft	1	
77	17WF4-021	Screw	1	

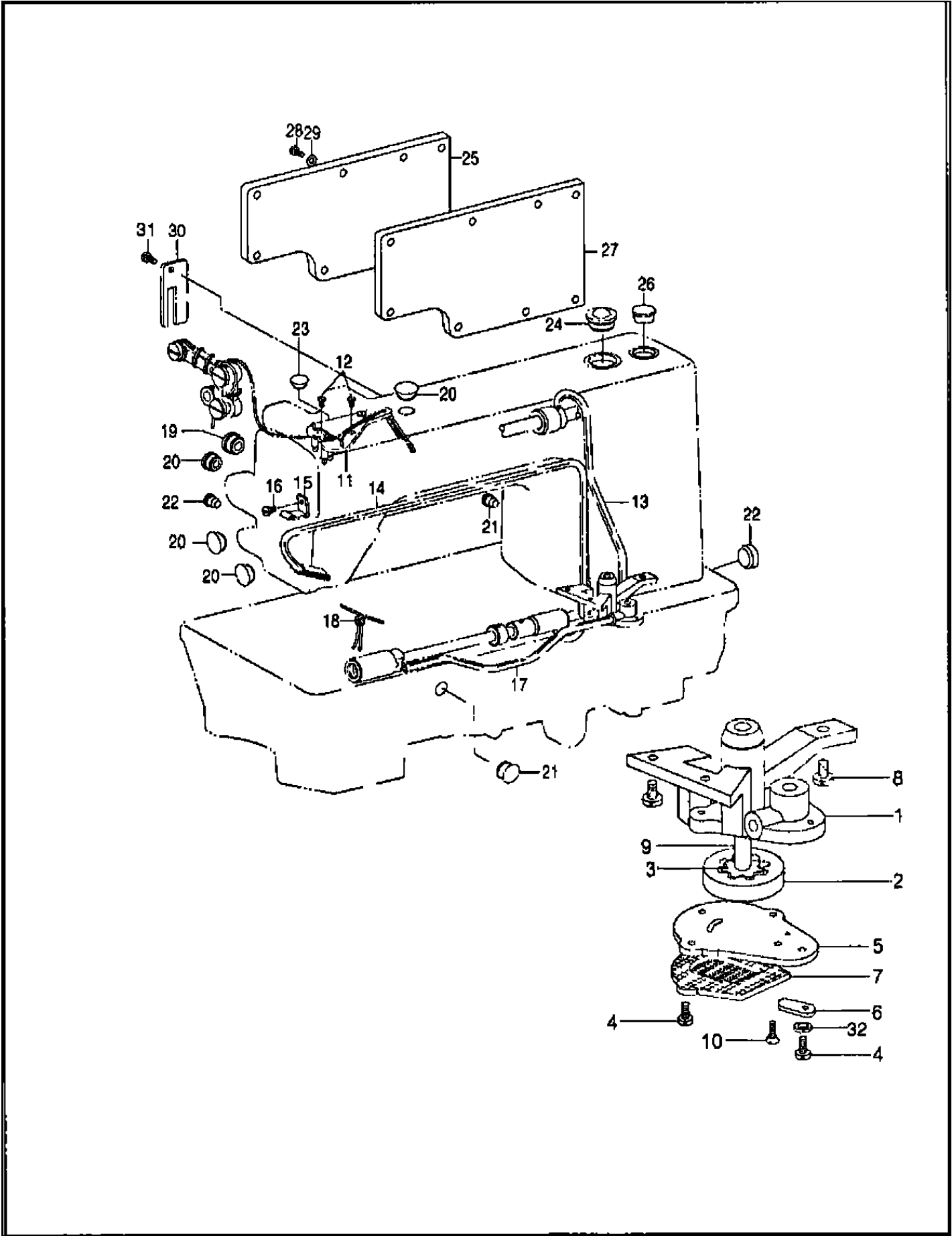
7. Hook mechanism



7. Hook mechanism

No.	Part Number	Name	0303D2	6202D2
1	15WF1-001	Vertical shaft	1	1
2	ZOA140379	Bevel gear, upper shaft	1	1
3	22T2-005B3	Set screw	8	8
4	ZOA140380	Bevel gear, vertical shaft, U	1	1
5	ZOA140383	Bevel gear, lower shaft	1	1
6	ZOA140382	Bevel gear, vertical shaft, L	1	1
7	2KT1-015	Bush, vertical shaft, U	1	1
8	2KT1-008	Bush, vertical shaft, L	1	1
9	J0.0.40	Screw	2	2
10	151845001	Large bobbin case (2.0x capacity)	1	1
11	24WF2-001	Big bobbin (2.0x capacity, 26mm diameter)	1	1
12	159793901	Large hook assy. (2.0x capacity + trimming)	1	1
13	122WF3-001	Lower shaft	1	1
14	22T4-001A1A2	Filter	1	1
15	22T4-001A1A1	Screw	1	1
16	68WF3-015	Bush, lower shaft, L	1	1
17	22T4-005	Adjusting screw, oil	1	1
18	22T4-006	Adjusting spring	1	1
19	22T4-002B1	Collar	1	1
20	J0.0.35	Screw	2	2
21	68WF3-002	Bush, lower shaft, R	1	1
22	J0.0.5	Screw	2	2
23	36T4-015	Plunger	1	1
24	36T4-016	Spring	1	1
25	22T4-010	Holder plate	1	1
26	22T9-006	Screw	1	1
27	2KT1-013	B/case holder position bracket	1	1
28	22T4-015	Screw	1	1
29	68WF3-016	Bush, lower shaft, M	1	1
30	2KT5-032	Trimming cam	1	1
31	-	Washer	1	1
32	22T4-007C2	Oil tube	1	1
33	68WF3-014	Oil seal	1	1
34	233WF4-010	Thred shear cam	1	1
35	2KT5-031	Screw	2	2

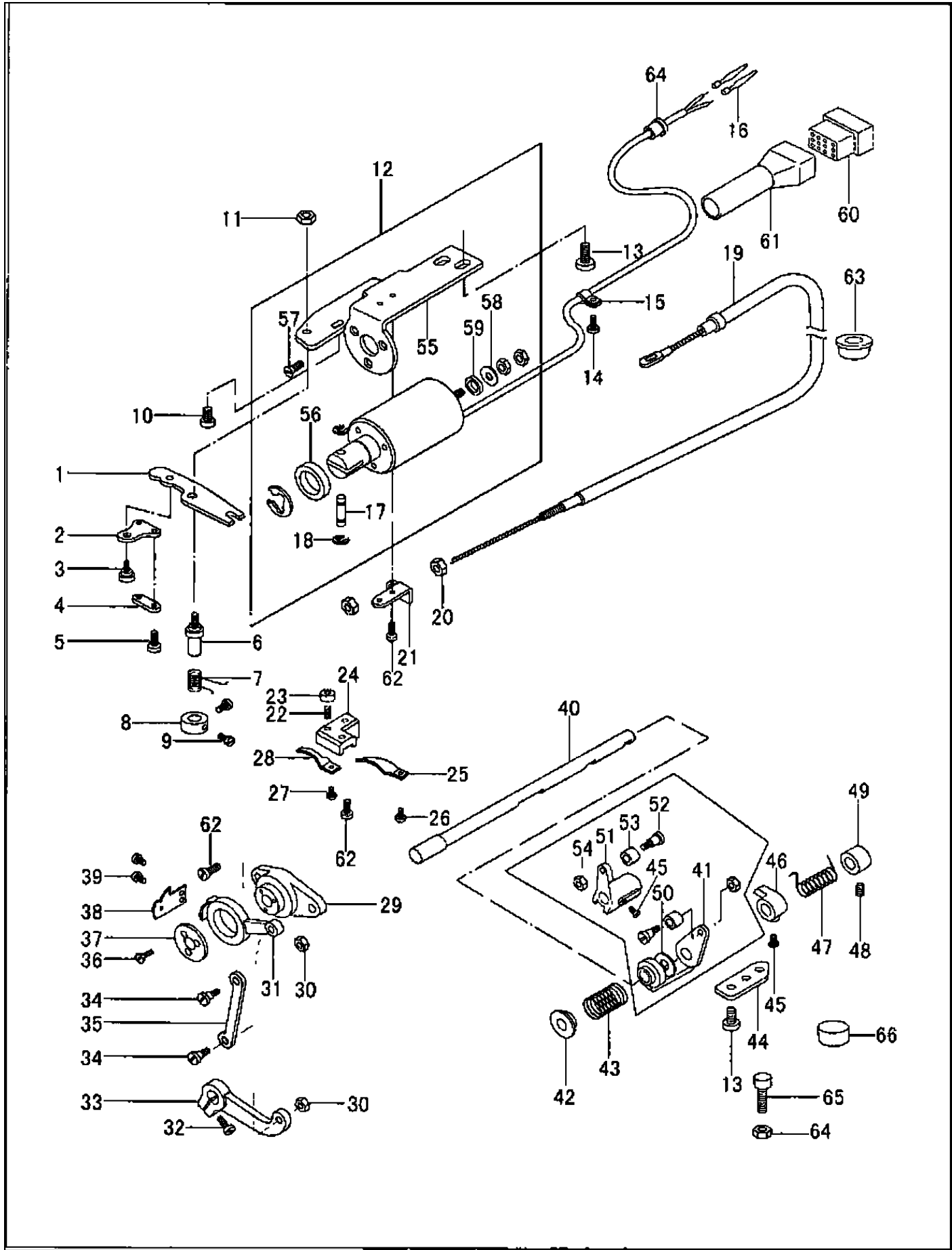
8. Lubrication mechanism



8. Lubrication mechanism

No.	Part Number	Name	0303D2	6202D2
1	15WF4-003	Pump body	1	1
2	15WF4-006	Big gear, pump	1	1
3	15WF4-007	Small gear, pump	1	1
4	-	Screw	3	3
5	15WF4-004	Cover	1	1
6	22T8-007	Throat plate	1	1
7	22T8-008A	Filter set	1	1
8	22T8-009	Screw	3	3
9	15WF4-005	Shaft	1	1
10	-	Screw	2	2
11	7WF4-016	Setting plate	1	1
12	22T8-012	Screw	2	2
13	22T8-013D	Oil tube, U	1	1
14	242WF1-004	Tube assy.	1	1
15	22T8-016	Tube carrier	1	1
16	20T4-006	Screw	1	1
17	122WF5-001	Oil tube	1	1
18	-	Oil wick	1	1
19	22T1-003C3	Rubber cap	1	1
20	22T1-003C4	Rubber cap	4	4
21	22T1-015	Rubber cap	2	2
22	22T1-016	Rubber cap	1	1
23	22T1-017	Rubber cap	1	1
24	22T1-008	Oil gauge window	1	1
25	241WF1-005	Back cover	1	1
26	13WF2-035	Rubber cap	1	1
27	241WF1-006	Packing	1	1
28	22T1-006	Screw	8	8
29	22T1-007	Washer	8	8
30	7WF4-011	Oil pan	1	1
31	33T3-006	Screw	1	1
32	-	Washer	1	1

9. Thread trimming mechanism

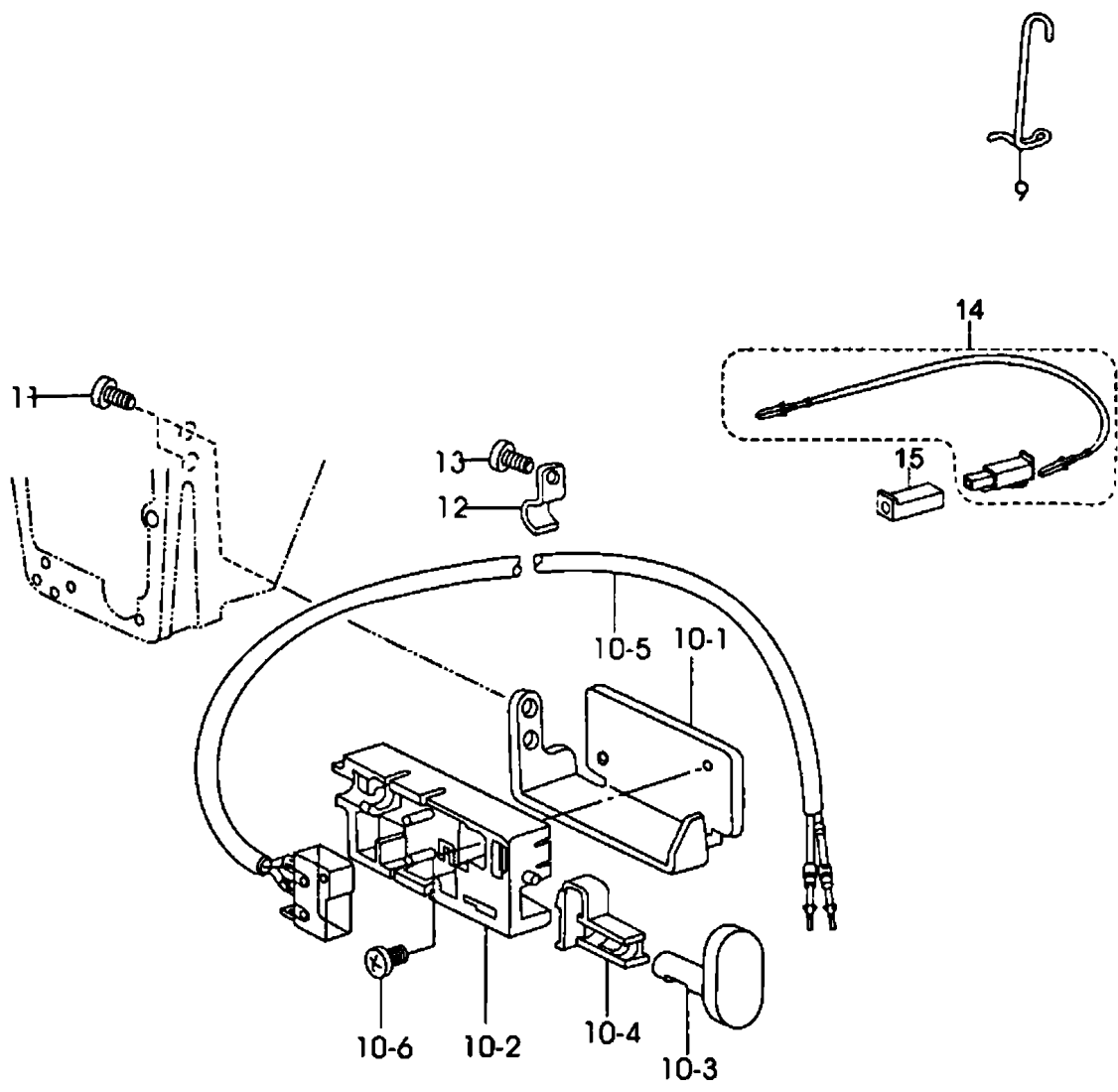


9. Thread trimming mechanism

No.	Part Number	Name	Standard	Option
1	78WF1-004	Driven plate	1	1
2	78WF1-005	Wire support	1	1
3	78WF1-006	Screw	1	1
4	78WF1-007	Link	1	1
5	37T2-203	Screw	1	1
6	78WF1-008	Screw pin, driven plate	1	1
7	78WF1-009	Spring	1	1
8	78WF1-010	Collar	1	1
9	1WF1-024	Screw	2	2
10	22T4-015	Screw	1	1
11	36WF5-008	Nut	1	1
12	78WF1-001	Thread trimmer solenoid assy	1	1
13	36WF1-056	Screw	4	4
14	21WF4-047	Screw	1	1
15	84WF1-022	Wire holder	1	1
16	2KT6-001C	Terminal pin	2	2
17	78WF1-001A	Pin	1	1
18	-	Retaining ring	2	2
19	241WF6-001	Tension release wire	1	-
	258WF6-001	Tension release wire	-	1
20	2KT4-020	Nut	2	2
21	78WF1-012	Tension release lever	1	1
22	78WF1-013	Screw	1	1
23	78WF1-014	Nut	1	1
24	78WF1-015	Holder, F-knife	1	1
25	78WF1-016	Lower thread finger	1	1
26	2KT6-017	Screw	1	1
27	2KT5-002	Screw	1	1
28	78WF1-002	Fixed knife	1	1
29	78WF1-017	Holder, M-knife	1	1
30	2KT5-013	Nut	2	2
31	78WF1-018	Holder, M-knife, L	1	1
32	22T6-008D3	Screw	1	1
33	78WF1-019	Driven crank	1	1
34	78WF1-020A	Screw	2	2
35	78WF1-020	Link	1	1
36	78WF1-021	Screw	3	3
37	78WF1-022	Washer	1	1
38	78WF1-003	Movable knife	1	1
39	2KT5-007	Screw	2	2
40	78WF1-023	Thread trimmer cam lever shaft	1	1
41	78WF1-024B	Thread trimmer cam lever, R	1	1
42	78WF1-025	Collar	1	1
43	78WF1-026	Spring	1	1
44	241WF6-002	Stopper plate	1	1
45	21WF3-010	Screw	3	3
46	78WF1-028	Positioning block	1	1
47	78WF1-029	Spring	1	1
48	22T3-002B2	Screw	2	2
49	78WF1-030	Collar	1	1
50	78WF1-024F	Plastic ring	1	1
51	78WF1-024A	Thread trimmer cam lever, L	1	1
52	78WF1-024C	Screw	2	2
53	78WF1-024D	Roller	2	2
54	78WF1-024E	Nut	2	2
55	78WF1-001B	Thread trimmer solenoid base	1	1

No.	Part Number	Name	Standard	Option
56	78WF1-001C	Seal washer, big	1	1
57	-	Screw	3	3
58	-	Washer	1	1
59	78WF1-001D	Seal washer, small	1	1
60	2KT8-002	Connector	1	1
61	2KT8-003	Cover	1	1
62	21WF4-047	Screw	4	4
63	78WF1-032	Guard	1	1
64	-	Nut	1	1
65	241WF6-003	Screw	1	1
66	241WF6-004	Packing	1	1

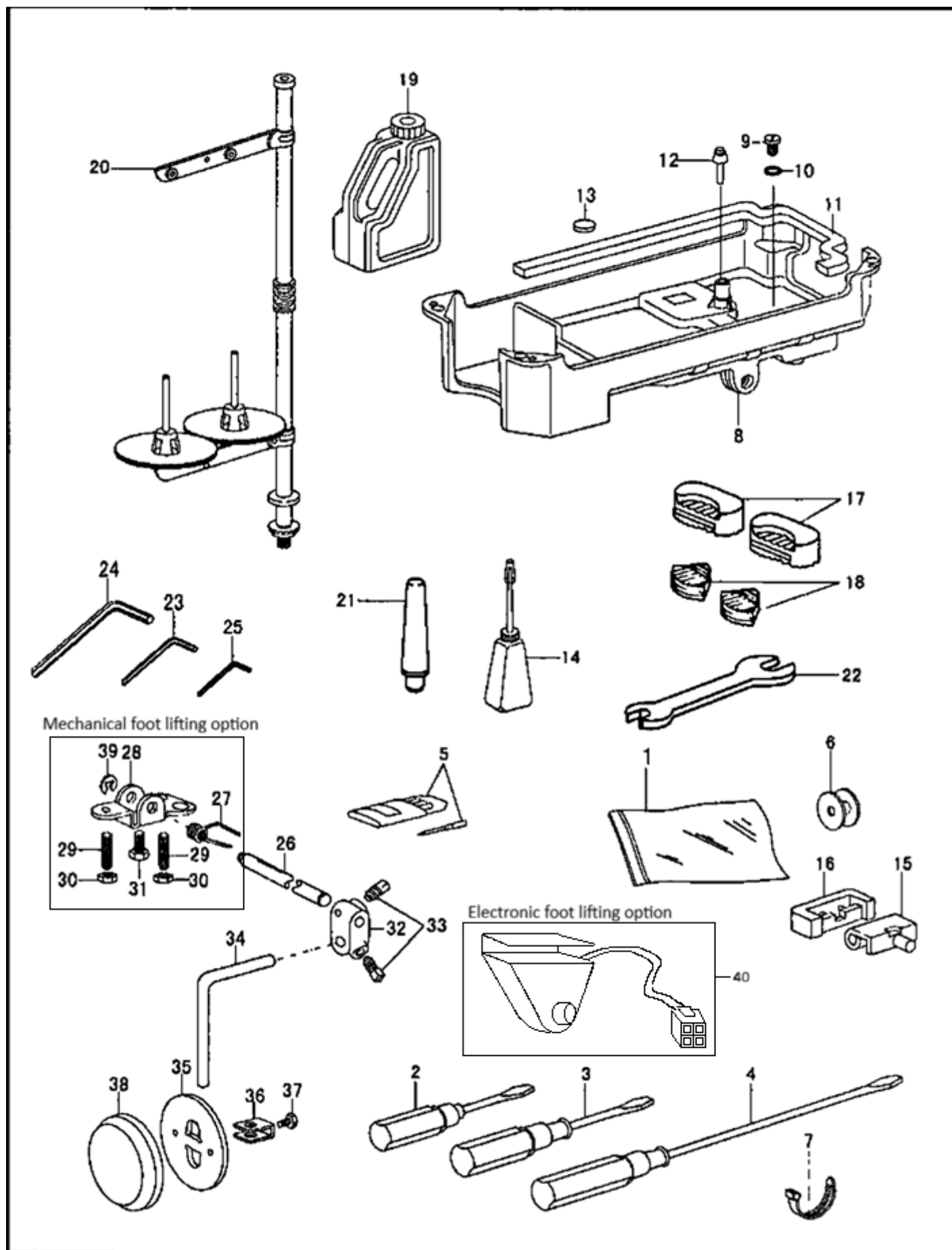
10. Reverse stitching mechanism



10. Reverse stitching mechanism

No.	Part Number	Name	Qt.	Note
9	2KT6-009	Cord holder	1	
10	22T1-010	Quick reverse solenoid assy	1	
10-1	2KT6-011	Quick reverse solenoid bracket	1	Only as assy.
10-2	2KT6-012	Quick reverse solenoid body	1	Only as assy.
10-3	2KT6-013	Quick reverse solenoid button	1	Only as assy.
10-4	2KT6-014	Quick reverse solenoid button sleeve	1	Only as assy.
10-5	2KT6-015	Quick reverse solenoid wire	1	Only as assy.
10-6	2KT6-016	Quick reverse solenoid screw	1	Only as assy.
11	2KT6-012	Screw	1	
12	2KT5-040	Cord holder	1	
13	2KT6-017	Screw	1	
14	2KT6-018	Terminal pin I	1	
15	2KT6-019	Terminal pin I	1	

11. Zip accessories



11. Zip accessories

No.	Part Number	Name	Qt.	Note
1	33TF-010	Accessory bag	1	
2	33TF-014	Screw driver, S	1	
3	33TF-013	Screw driver, M	1	
4	33TF-012	Screw driver, L	1	
5	DPx17 or 134-35	Needle	4	
6	24WF2-001	Bobbin	3	
7	129WF1-016	Bobbin thread winder assy.	3	
8	122WF7-005	Screw	1	
9	22T9-001A2	Washer	1	
10	22T9-001A3	Belt guard assy.	1	
11	2KT9-008	Screw	1	
12	4WF5-002	Washer	1	
13	22T9-012	Screw	1	
14	33TF-011	Oil pot	1	
15	22T9-007F1	Head hinge	2	
16	22T9-007F2	Cushion, head hinge	2	
17	1KT5-004	Head cushion, L	2	
18	1KT5-003	Head cushion, S	2	
19	1F-012	Oil tank	1	
20	4F-007	Thread stand assy.	1	
21	1KT5-007	Head rest	1	
22	-	Wrench	1	
23	-	Wrench, 2mm	1	
24	-	Wrench, 3mm	1	
25	-	V-belt	1	
26	22T9-001A6	Lifter shaft	1	
27	-	Spring	1	Mechanic PFL
28	-	Bracket	1	Mechanic PFL
29	-	Adjusting screw	2	Mechanic PFL
30	-	Adjusting nut	2	Mechanic PFL
31	-	Screw	1	Mechanic PFL
32	22T9-003B3	Bracket	1	
33	-	Screw	2	
34	22T9-003B2	Lifter bar	1	
35	22T9-003B5	Knee lifter plate	1	
36	22T9-003B6	Stopper	1	
37	22T9-003B7	Screw	1	
38	22T9-003B8	Cover, K-lifter plate	1	
39	-	Retaining ring	1	Mechanic PFL
40	-	Electronic foot lifting controller asm.	1	Electronic PFL