



標準牌
TYPICAL

GK31030

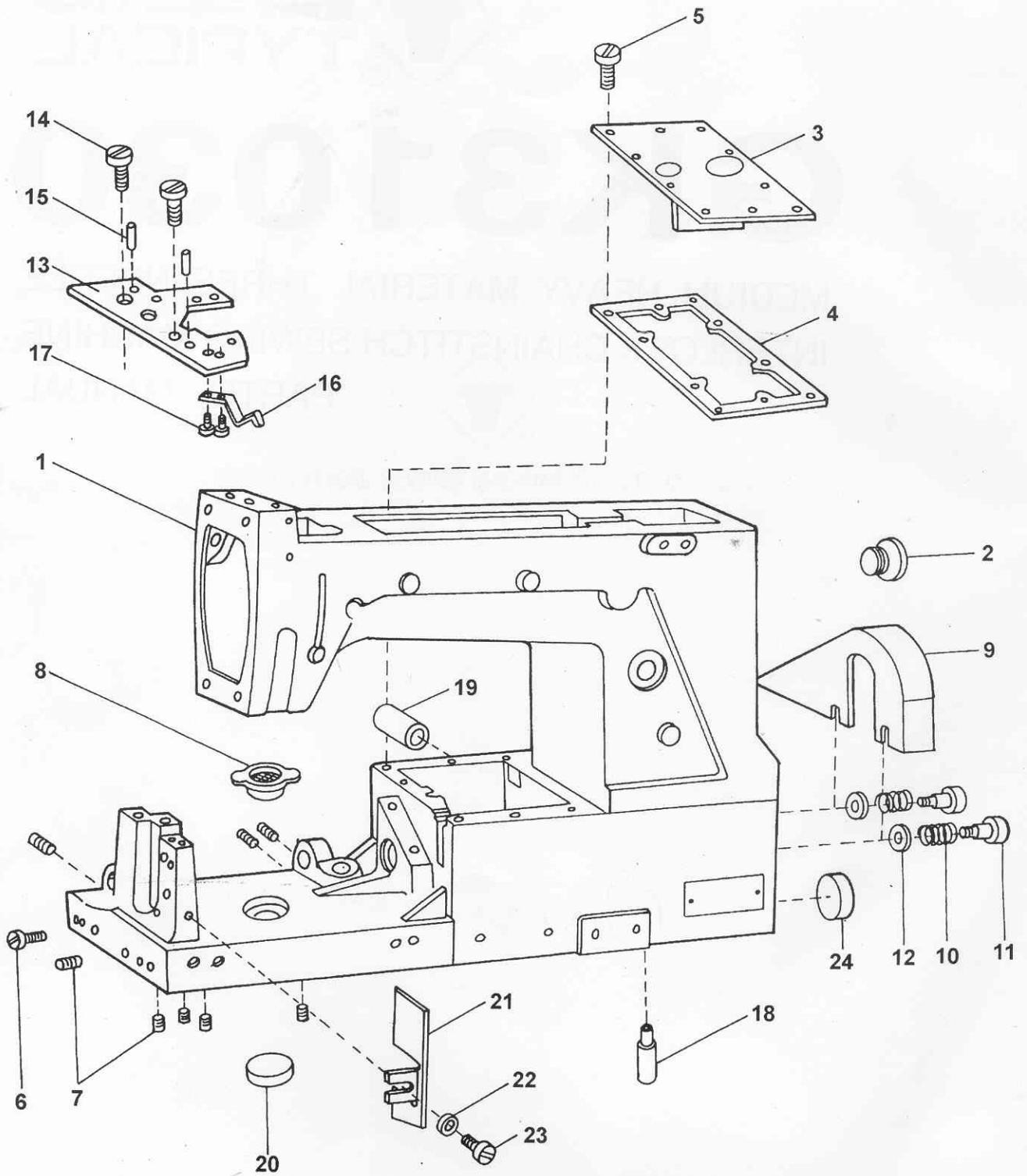
MEDIUM HEAVY MATERIAL THREE NEEDLE
INTERLOCK CHAINSTITCH SEWING MACHINE
PARTS MANUAL

Original

CHINA TYPICAL SEWING MACHINE GROUP CO. LTD.

 - ORIGINAL

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1. Arm & Bed Parts (1)

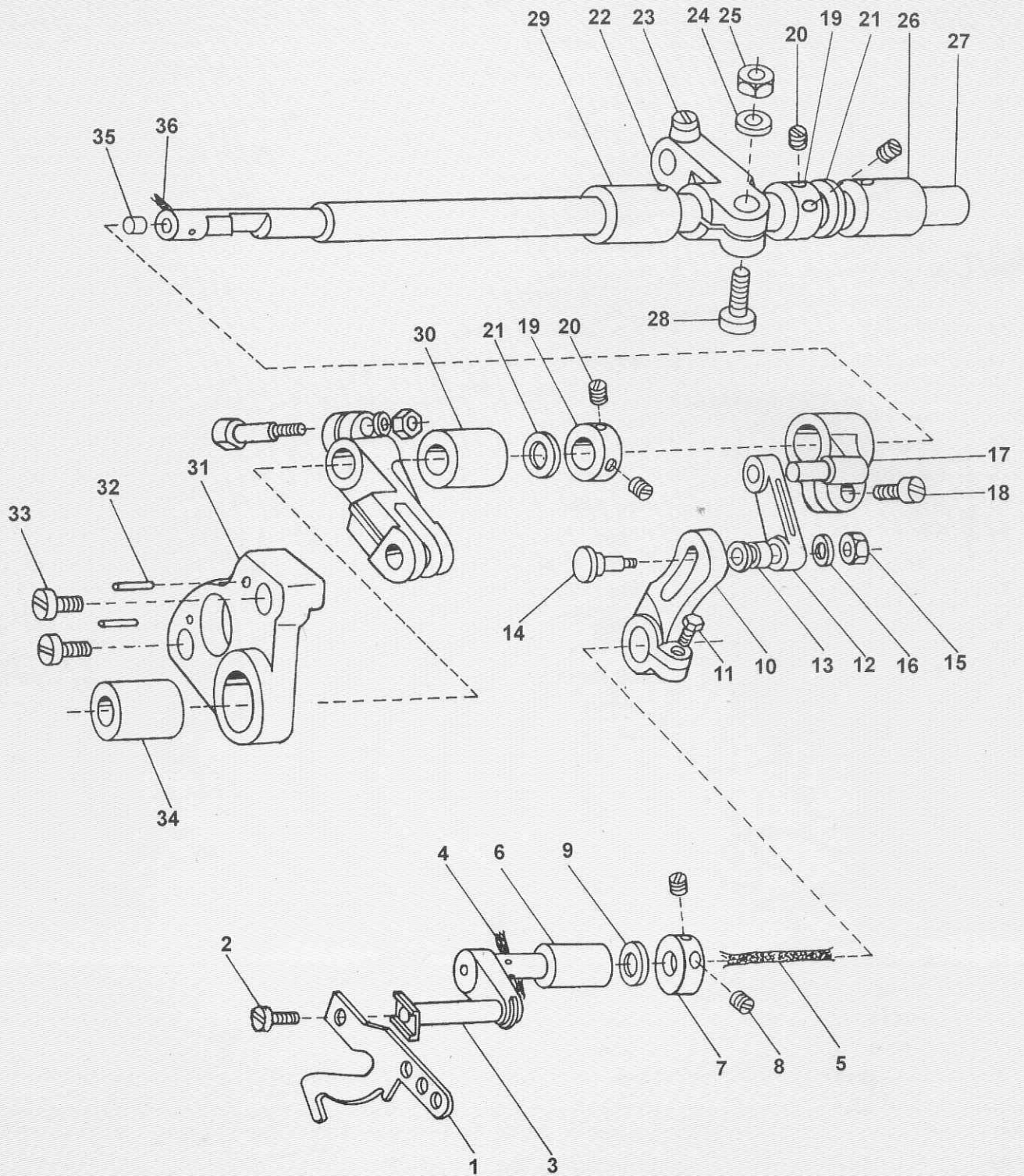
No.	Ref. No.	Description	QT.
1	116T1 -001A	Arm	1
2	116T2 -012	Rubber	1
3	8A1 -015B1	Bed Cover assy.	1
4	8A1 -015B2	Gasket	1
5	GB68002	Screw M4 x8	8
6	BS40013	Oil adjusting screw	1
7	BS40012	Screw	8
8	58T7 -001A2	Oil screen	1
9	8A1 -035	Belt guard	1
10	8A1 -036	Spring	2
11	BS20014	Screw	2
12	8A1 -037	Washer	2
13	8A1 -016	Throat plate support	1
14	BS10023	Screw	2
15	8A1 -018	Pin	2
16	8A1 -019	Latch spring	1
17	GB66012	Screw	2
18	116T1 -005	Oil return pipe	1
19	116T3 -005	Bushing	1
20	22T1 -016	Rubber $\Phi 27$	1
21	116T5 -009	Looper holder oil stopping plate	1
22	BQ10008	Gasket	1
23	GB66013	Screw M4 x6	1
24	22T1 -003C3	Rubber $\Phi 19$	1

This exploded view diagram illustrates the assembly of a mechanical component, likely a pump or motor housing. The parts are numbered 1 through 48. The main housing (1) is shown with various mounting points and internal features. A large, irregular gasket (2) is positioned to fit into a recessed area of the housing. A rectangular plate (3) is shown with a screw (3) and a small component (6) and (7) attached. A smaller plate (4) is shown with screws (23, 24, 25, 22) and a screw (4). A large, rectangular component (10) is shown with a screw (12) and a gasket (11). A smaller component (18) is shown with a screw (20) and a gasket (34). A large, rectangular component (30) is shown with a screw (31) and a gasket (5). A smaller component (39) is shown with a screw (40) and a gasket (44). A large, rectangular component (45) is shown with a screw (42) and a gasket (47). A smaller component (41) is shown with a screw (43) and a gasket (46). A large, rectangular component (15) is shown with a screw (17) and a gasket (13). A smaller component (16) is shown with a screw (14) and a gasket (37). A large, rectangular component (36) is shown with a screw (38) and a gasket (35). A smaller component (29) is shown with a screw (26) and a gasket (28). A large, rectangular component (27) is shown with a screw (27) and a gasket (35). A smaller component (26) is shown with a screw (28) and a gasket (35). A large, rectangular component (27) is shown with a screw (27) and a gasket (35). A smaller component (26) is shown with a screw (28) and a gasket (35).

2. Arm & Bed Parts (2)

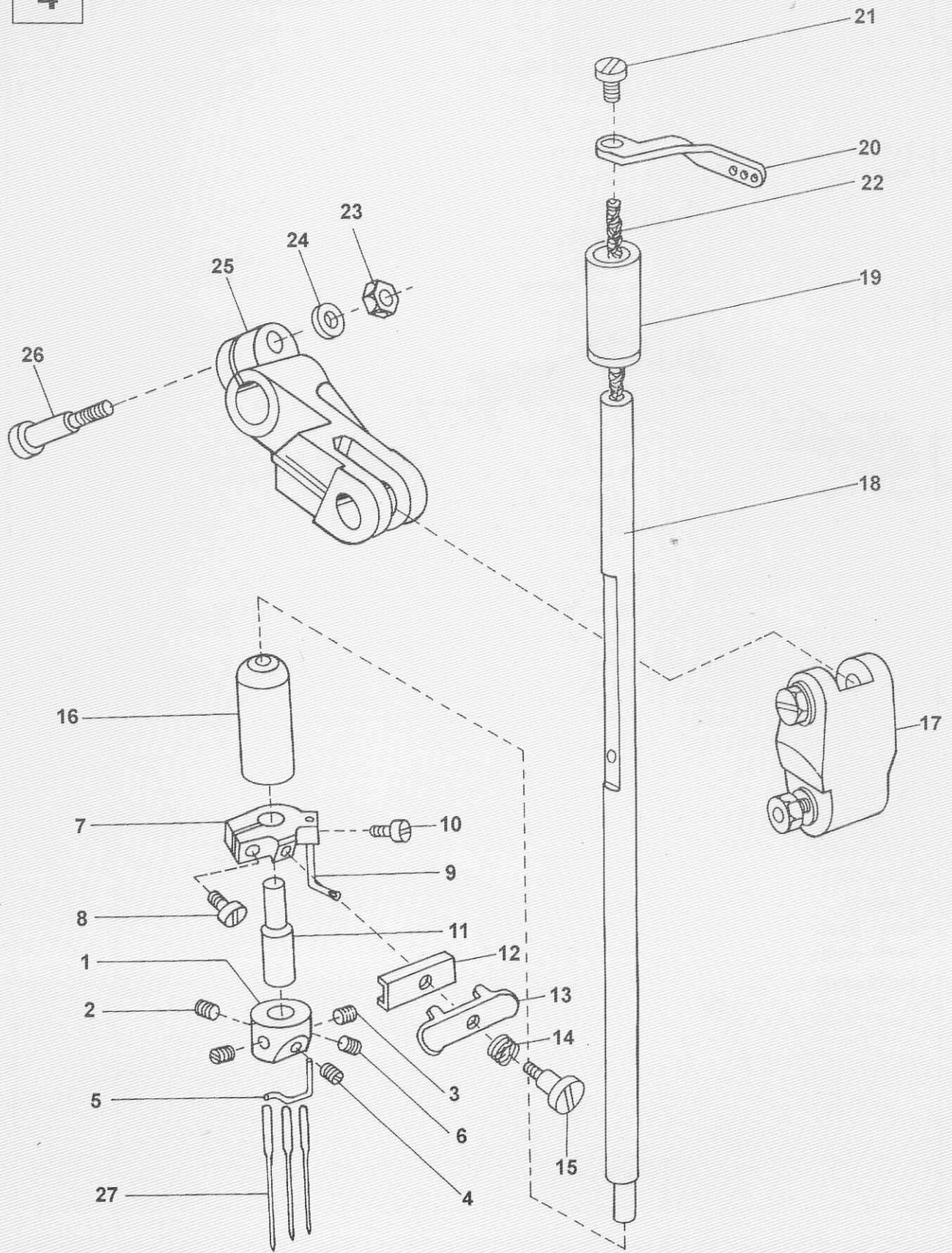
No.	Ref. No.	Description	QT.
1	65T1 -004	Top cover	1
2	8A1 -003	Gasket	1
3	GB66033	Screw M6 x20	6
4	BS40011	Positioning screw M3.5 x6	1
5	BQ10008	Washer	1
6	43T1 -002B2	Oil check window	1
7	43T1 -002B3	Seal ring	1
8	8A1 -039	Positioning ring	1
9	GB68002	Screw M4 x8	1
10	116T1 -003	Face plate	1
11	8A1 -010	Gasket for face plate	1
12	GB66026	Screw M5 x20	4
13	8A1 -022	Cloth plate for front cover	1
14	8A1 -020	Spring pin	1
15	GB66010	Screw M3 x6	1
16	8A1 -021	Front cover	1
17	GB69012	Screw M4 x10	2
18	8A1 -023	Left hinge	2
19	8A1 -024	Right hinge	2
20	8A1 -025	Hing pin	4
21	GB66022	Screw M5 x10	8
22	GB66018	Screw M4 x14	2
23	GB69006	Screw M4 x7	2
24	8A1 -026	Cloth plate	1
25	8A1 -027B	Slide plate assy	1
26	8A1 -041	Screw	1
27	8A1 -042	Washer	1
28	J0.0.54	Washer	1
29	8A1 -043	Screw	2
30	8A1 -028	Left cover	1
31	8A1 -029	Latch spring	1
32	GB66012	Screw	1
33	BS20014	Set screw	1
34	8A1 -031	Fitting plate for hinge	1
35	8A1 -044	Edge guide base	1
36	8A1 -047	Dust cover	1
37	GB66012	Screw	1
38	BQ10008	Washer	1
39	116T1 -004B3	Screw	1
40	GB860 -87.4	Washer	1
41	BQ10001	Washer	1
42	116T1 -004B4	Protector plate base	1
43	GB52001	Protector plate holder nut M3	1
44	116T1 -004B2	Protector plate holder	1
45	116T1 -004B1	Protector plate	1
46	GB66007	Screw M3 x4	2
47	GB66012	Screw M4 x5	2
48	116T1 -006	Left cover gasket	2

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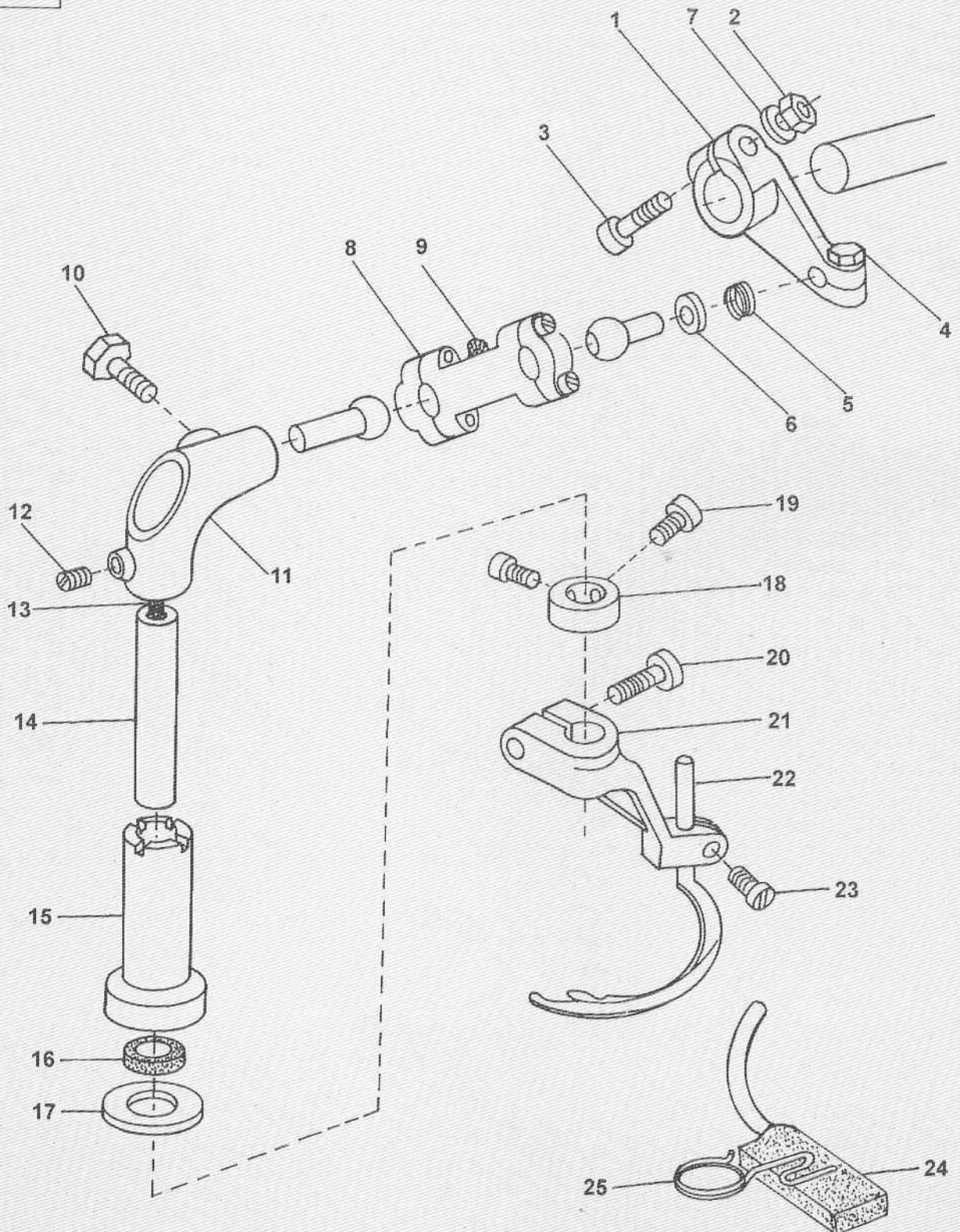
3. Needle Bar & Thread Tank –up Mechanism (1)

No.	Ref. No.	Description	QT.
1	116T2 -001	Thread take –up plate	1
2	43T2 -020	Set screw M4 ×0.5 ×6	1
3	43T2 -021	Thread take –up rock shaft	1
4	116T3 -012	Oil wick $\Phi 2 \times 20$	2
5	116T3 -012	Oil wick $\Phi 2 \times 85$	1
6	43T2 -022	Bushing	1
7	43T2 -023	Collar	1
8	GB74009	Set screw M4 ×5	2
9	43T2 -024	Washer	1
10	43T2 -025F1	Adjusting crank	1
11	43T2 -025F2	Set screw M5 ×10	1
12	43T2 -025F3	Link for adjusting crank	1
13	43T3 -010E9	Roller	1
14	43T3 -010E7	Screw	1
15	GB55001	Nut M4	1
16	43T3 -010E10	Washer	2
17	65T2 -009	Thread take –up crank	1
18	43T2 -025F5	Set screw M6 ×0.75 ×15	1
19	65T2 -008	Collar for arm shaft	2
20	GB74025	Set screw M6 ×0.75 ×4	4
21	BQ10052	Washer	2
22	8A2 -062	Arm shaft crank	1
23	BS30005	Screw M6 ×8	1
24	BQ10026	Washer	1
25	GB52006	Nut M6	1
26	116T2 -010	Back bushing for arm shaft	1
27	116T2 -008C1	Arm shaft	1
28	8A2 -019	Set screw	1
29	65T2 -015	Middle back bushing for arm shaft	1
30	116T2 -009	Front bushing for arm shaft	1
31	116T2 -017F1	Holder base	1
32	43T2 -010	Pin	2
33	GB66023	Screw M5 ×12	2
34	43T2 -009E2	Bushing	1
35	43T2 -008D2	Plug for arm shaft	1
36	116T3 -012	Oil wick for arm shaft $\Phi 1.5 \times 10$	1



4. Needle Bar & Thread Tank – up Mechanism (2)

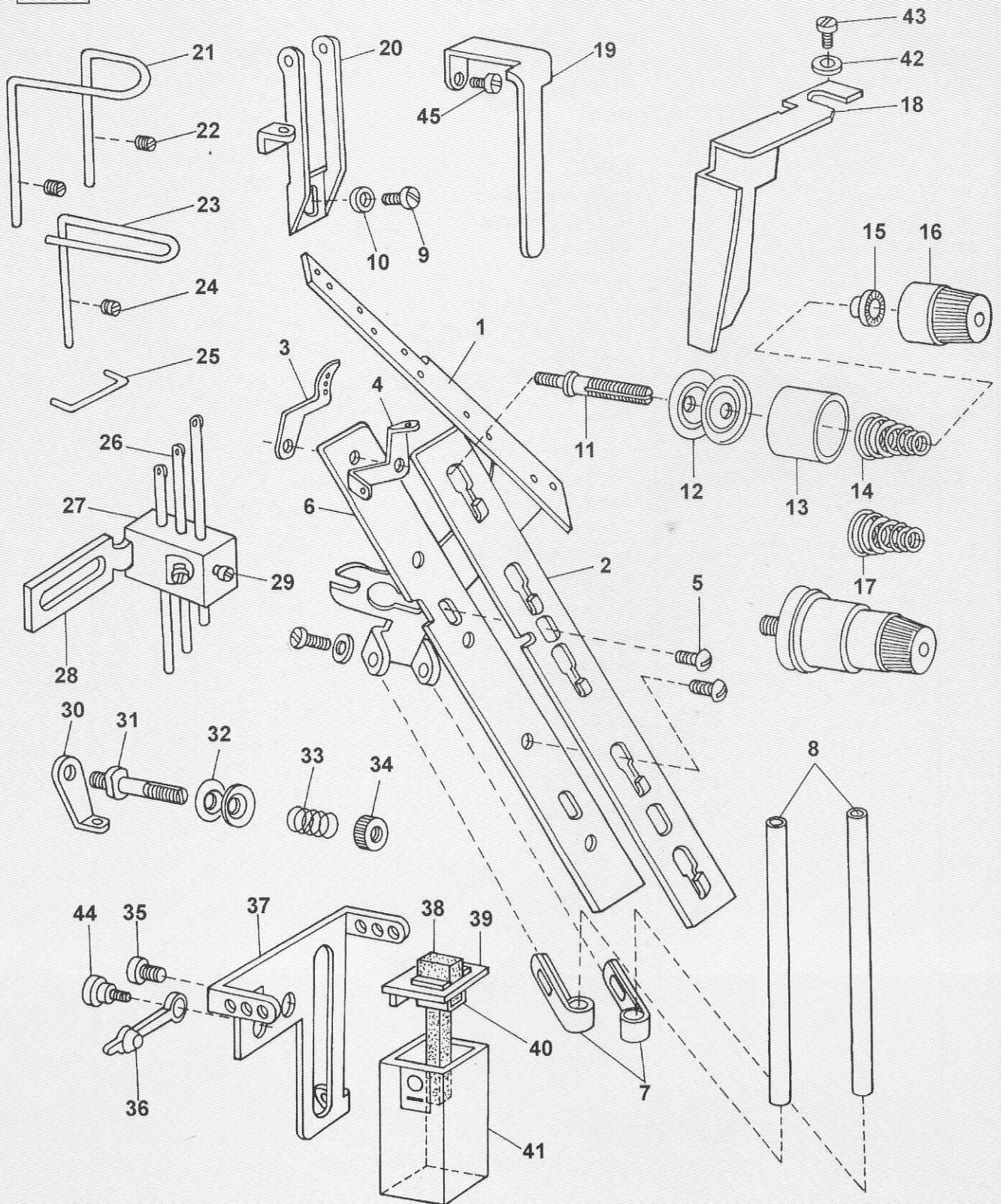
No.	Ref. No.	Description	QT.
1	8A2 – 001	Needle holder	1
2	8A2 – 002	Set screw	1
3	GB74008	Set screw	2
4	GB74002	Set screw	1
5	8A2 – 003	Thread guard	1
6	GB74001	Set screw	1
7	116T2 – 013G2	Holder for covering thread guard	1
8	BS30017	Set screw	1
9	8A2 – 006	Couering thread guard	1
10	GB66007	Set screw	1
11	8A2 – 007	Needle bar adapter	1
12	116T2 – 013G1	Pressing gasket plate	1
13	81T1 – 005C2	Pressing plate	1
14	81T1 – 005C3	Spring	1
15	81T1 – 005C4	Screw	1
16	8A2 – 014	Needle bar bushing (lower)	1
17	116T2 – 011D	Needle bar fittings	1
	43T2 – 003C2	Needle bar link	2
	43T2 – 003C3	Roller for needle bar	1
	43T2 – 003C4	Screw	1
	GB52002	Nut M4	1
	GB859 – 76	Washer	2
	43T2 – 003C5	Roller for link	2
	43T2 – 020	Screw M4 × 0.5 × 6	2
	BQ10008	Washer	1
18	116T2 – 011D1	Needle bar	1
19	8A2 – 015	Needle bar bushing (upper)	1
20	116T2 – 011D2	Thread take – up for needle bar	1
21	116T2 – 011D3	Screw	1
22	116T3 – 012	Oil wick $\phi 4 \times 45$	1
23	43T2 – 003C8	Nut	1
24	BQ10026	Washer	1
25	43T2 – 003C6	Needle bar crank	1
26	43T2 – 003C7	Screw	1
27	GK16 × 90 (14)	Needle	3



5. Needle Bar & Thread Tank –up Mechanism (3)

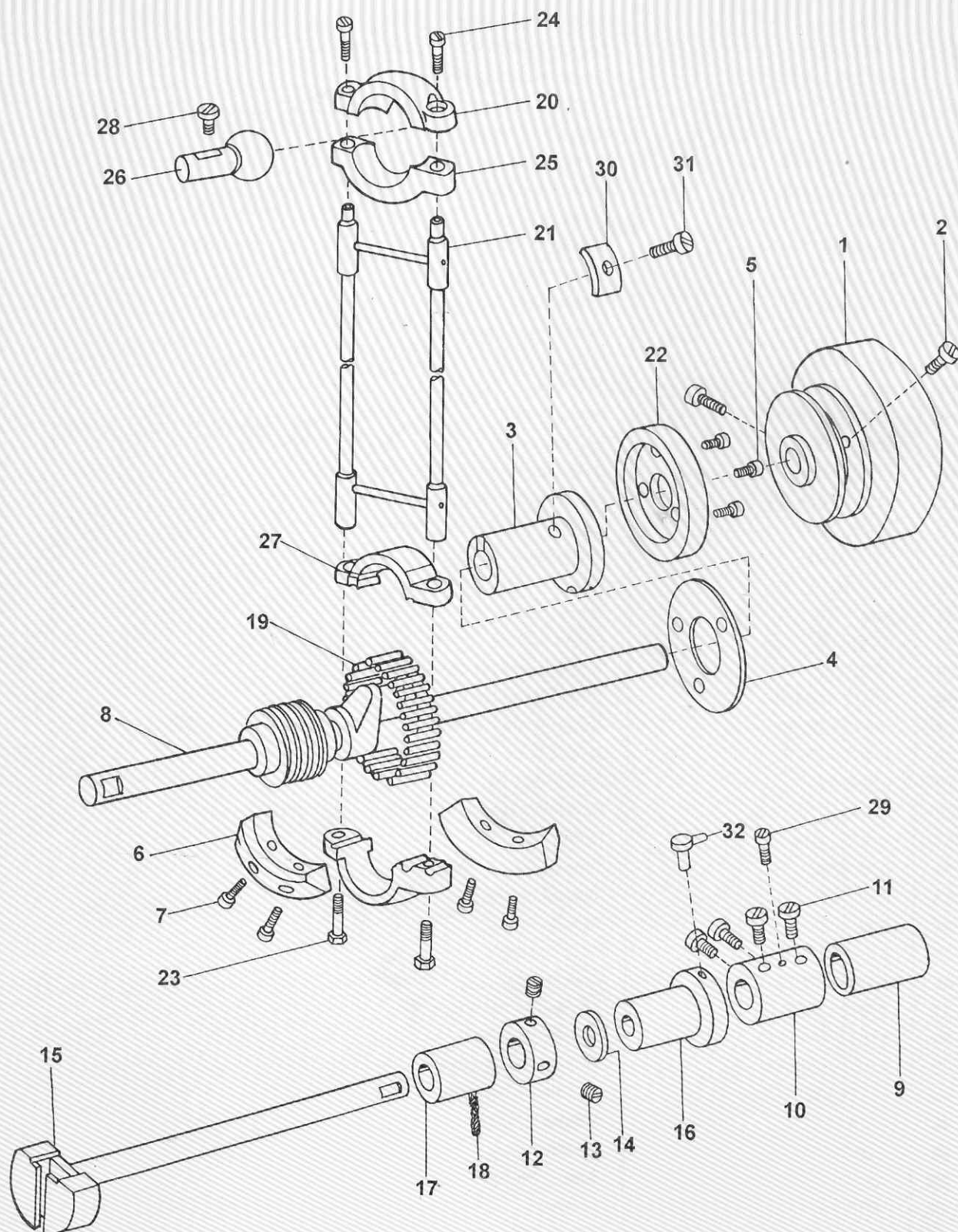
No.	Ref. No.	Description	QT.
1	116T2 –002	Crank	1
2	GB52006	Screw & Nut	1
3	8A2 –019	Set screw	1
4	BS30006	Set screw	1
5	43T2 –010E3	Spring	1
6	43T3 –010E2	Washer	1
7	BQ10026	Washer	1
8	43T3 –010E1	Top spreader link accessory	1
9	116T3 –012	Oil wick $\Phi 1.5 \times 30$	1
10	43T3 –009D2	Screw	1
11	43T3 –009D1	Upper crank	1
12	43T2 –014	Screw	1
13	116T3 –012	Oil wick $\Phi 1.5 \times 104$	1
14	43T3 –003	Crank shaft	1
15	43T3 –006B1	bushing	1
16	43T3 –006B2	Oil seal	1
17	43T3 –008	Washer (lower)	1
18	8A6 –003	Gasket	1
19	BS10002	Screw M3.5 $\times$ 5	2
20	GB66018	Set screw M4 $\times$ 14	1
21	43T3 –002	crank for top spreader	1
22	43T3 –001A1	Top spreader	1
23	BS10004	Set screw M3.5 $\times$ 8	1
24	22T8 –015	Filter felt	1
25	36T10 –002	Filter felt clamp	1

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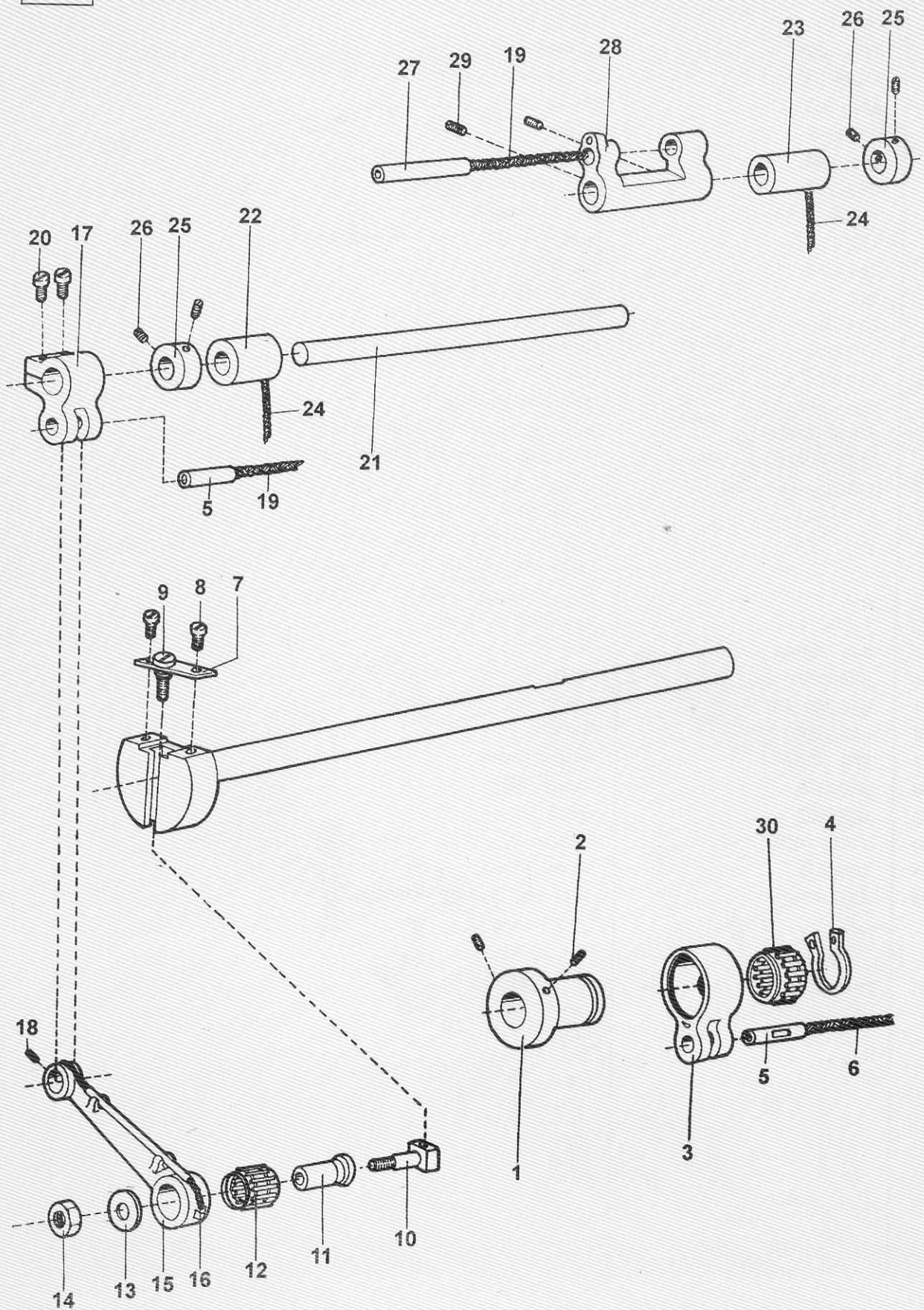
6. Needle Bar & Thread Tank –up Mechanism (4)

No.	Ref. No.	Description	QT.
1	116T2 –014E1	Main thread guard	1
2	13A2 –011	Thread release plate	1
3	116T2 –015	Upper thread tension guide plate	5
4	116T2 –016	Thread tension guide plate	5
5	GB66022	Thread guide base screw	2
6	13A2 –010	Thread guide base	1
7	116T2 –014E2	Thread guide clamp	2
8	116T2 –014E3	Main thread guide	2
9	GB66015	Screw M4 ×8	5
10	BQ10008	Washer	5
11	65T2 –011	Tension stud	5
12	43T2 –037G5	Tension disc	10
13	43T2 –037G7	Tension dust cover	5
14	8A2 –075	Tension spring	5
15	43T2 –037G10	Stop disc	5
16	43T2 –037G11	Tension nut	5
17	8A2 –075	Tension spring	2
18	116T2 –019	Oil guard for thread take –up	1
19	116T2 –005	Thread take –up guard	1
20	116T2 –007	Covering thread guide plate	1
21	43T2 –031	thread take –up cover	1
22	GB74011	Screw	2
23	8A2 –071	Tension hook	1
24	BS10046	Screw M4 ×7	1
25	43T2 –027	Thread guard for needle bar	1
26	116T2 –004B1	Thread guide bar	3
27	116T2 –004B2	Thread guide bar base	1
28	116T2 –004B3	Thread guide bar base support	1
29	GB66007	Screw M3 ×4	4
30	116T2 –006	Covering thread guide plate	1
31	116T2 –018	Screw	1
32	8A2 –068	Tension disc	2
33	8A2 –067	Tension spring	1
34	8A2 –088	Tension nut	1
35	61 –04 –01/B2	Oil tank screw	1
36	48T9 –001A3	Rubber	1
37	116T2 –003A1	Bracket for silicone oil cup	1
38	116T2 –003A4	Silicone oil felt	1
39	116T2 –003A2	Silicone oil cup cover	1
40	116T2 –003A3	Silicone oil felt clamp	1
41	48T9 –001A1	Silicone oil cup	1
42	BQ10008	Washer	1
43	GB66012	Screw M4 ×5	1
44	48T9 –001A2	Screw	1
45	GB66013	Screw M4 ×6	1



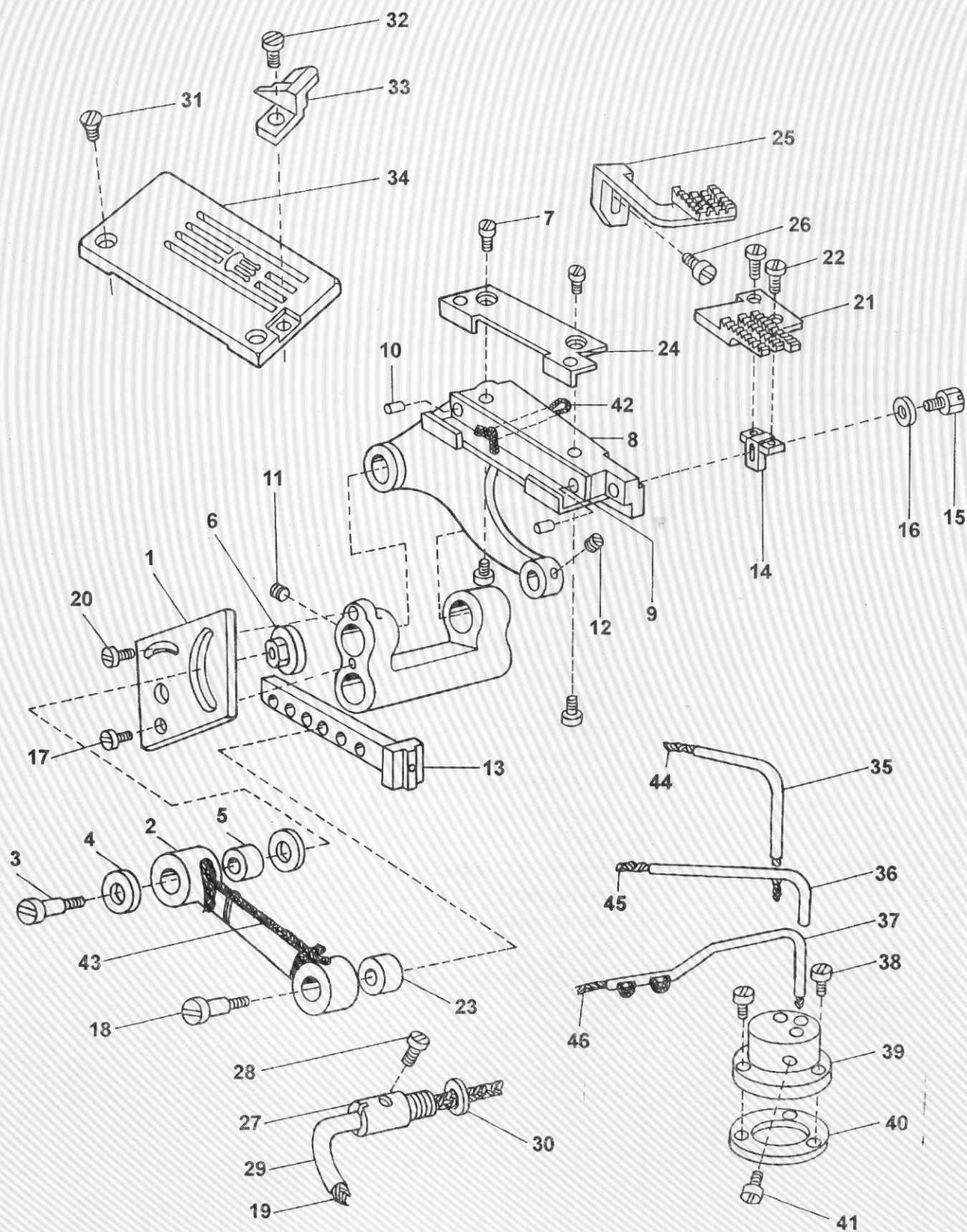
7. Feed & Feed Lifting Mechanism (1)

No.	Ref. No.	Description	QT.
1	8A4 -001	Machine pulley	1
2	65T4 -005	Set screw M6 × 13	2
3	116T4 -003	Back bushing socket	1
4	8A4 -003	Oil seal	1
5	GB66023	Screw M5 × 12	3
6	8A4 -005	Balance weight	2
7	GB66024	Set screw M5 × 14	4
8	116T4 -002B	Back shaft segment assy.	1
9	116T4 -004	Front bushing for back shaft segment	1
10	8A4 -009	Coupling	1
11	65T4 -004	Screw M6 × 0.75 × 8	4
12	8A4 -010	Collar	1
13	GB74025	Set screw M6 × 0.75 × 4	2
14	BQ10050	Washer	3
15	8A4 -011	Front shaft segment	1
16	116T4 -006	Back bushing for front shaft segment	1
17	116T4 -005	Front bushing for front shaft segment	1
18	116T3 -012	Oil wick $\Phi 7 \times 40$	1
19	8A4 -006	Needle roller	30
20	8A4 -007A3	Upper cover of connecting rod	1
21	8A4 -007A6	Connecting rod assy.	2
	8A4 -007A7	Pin	2
22	116T4 -010	Back shaft top cover	1
23	8A4 -007A2	Screw	2
24	GB66019	Screw M4 × 22	2
25	8A4 -007A4	Lower cover of connecting rod	1
26	8A2 -063	Ball stud	1
27	8A4 -007A1	Bearing bracket	1
28	BS30005	Screw M6 × 8	1
29	GB66007	Screw M3 × 4	1
30	116T4 -009	Back bushing socket washer.	1
31	GB66012	Screw M4 × 5	1
32	43T7 -034	Back shaft segment oil nozzle	1



8. Feed & Feed Lifting Mechanism (2)

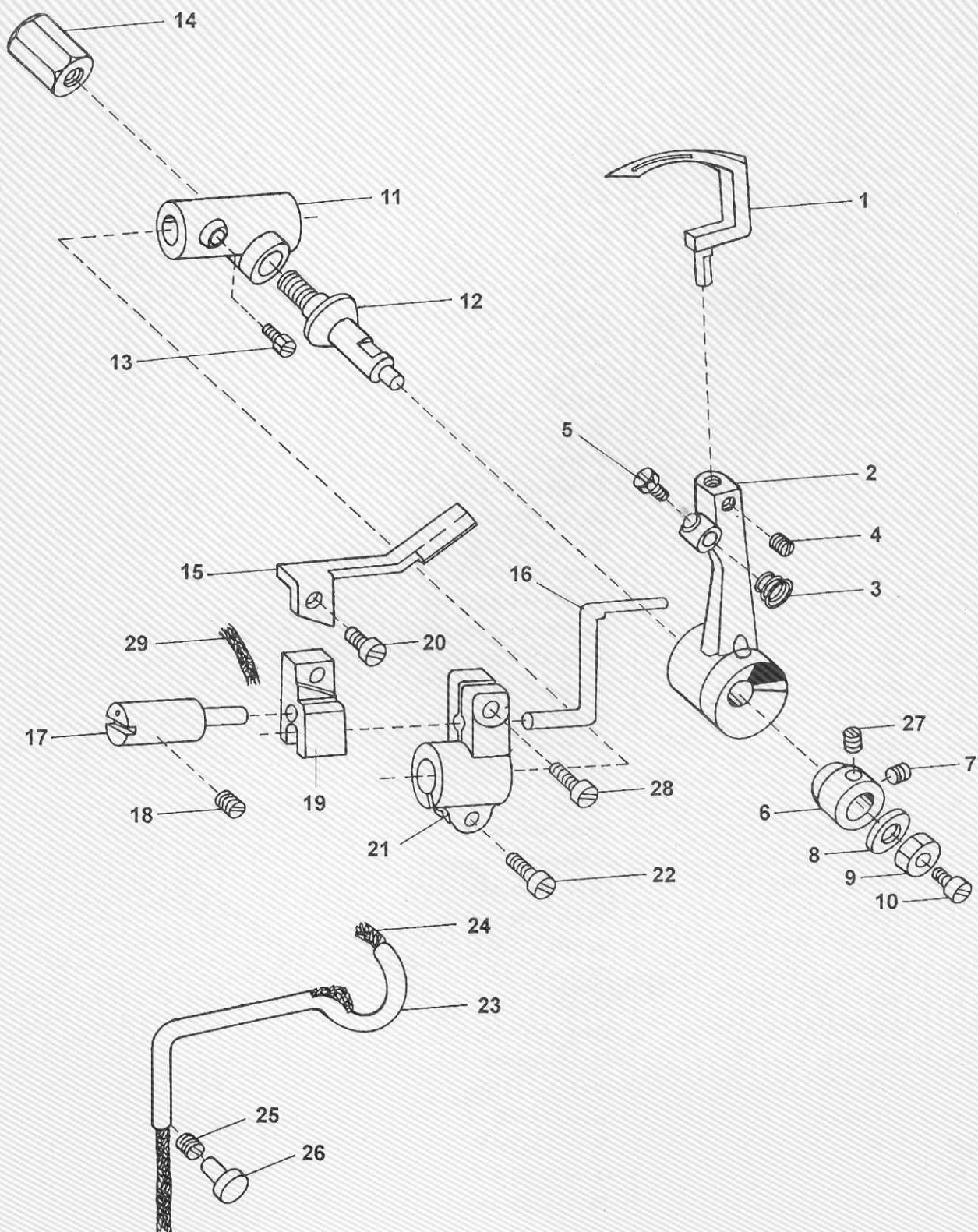
No.	Ref. No.	Description	QT.
1	116T4 - 001A1	Feed lifting cam	1
2	GB74019	Set screw M5 × 0.5 × 6	2
3	116T4 - 001A2	Feed lifting link	1
4	GB894.1 - 86 - 18	Stop sleeve	1
5	8A4 - 017	Pin	1
	8A4 - 017	Pin	1
6	116T3 - 012	Oil wick $\Phi 4 \times 60$	1
7	8A4 - 019	Positioning plate	1
8	GB66010	Screw M3 × 6	2
9	8A4 - 020	Adjusting screw	1
10	8A4 - 021	Feed regulating slide block	1
11	8A4 - 022	Slide block bushing	1
12	8A4 - 023C	Needle bearing assy.	1
	8A4 - 023C1	Needle roller	12
	8A4 - 023C2	Needle roller holder	1
13	BQ10028	Washer	1
14	GB52007	Nut M6 left	1
15	8A4 - 025D	Feed connecting rod assy.	1
	8A4 - 025D1	Feed connecting rod	1
	8A4 - 025D2	Oil pipe	1
16	116T3 - 012	Oil wick $\Phi 3 \times 155$	1
17	8A4 - 026	Feed crank	1
18	GB74007	Set screw M4 × 3.5	1
19	116T3 - 012	Oil wick $\Phi 4 \times 60$	1
	116T3 - 012	Oil wick $\Phi 2.5 \times 150$	1
20	8A4 - 058	Screw	2
21	8A4 - 027	Feed rock shaft	1
22	8A4 - 028	Front bushing for feed rock shaft	1
23	8A4 - 028	Back bushing for feed rock shaft	1
24	116T3 - 012	Oil wick $\Phi 7 \times 30$	2
25	8A4 - 029	Collar	2
26	GB74019	Set screw M5 × 0.5 × 6	4
27	8A4 - 032	Feed bar shaft	1
28	8A4 - 030	Feed bar crank	1
29	65T4 - 006	Set screw M6 × 9.5	2
30	8A4 - 016B	Needle bearing assy.	1
	8A4 - 016B1	Needle roller	16
	8A4 - 016B2	Needle roller holder	1



9. Feed & Feed Lifting Mechanism (3)

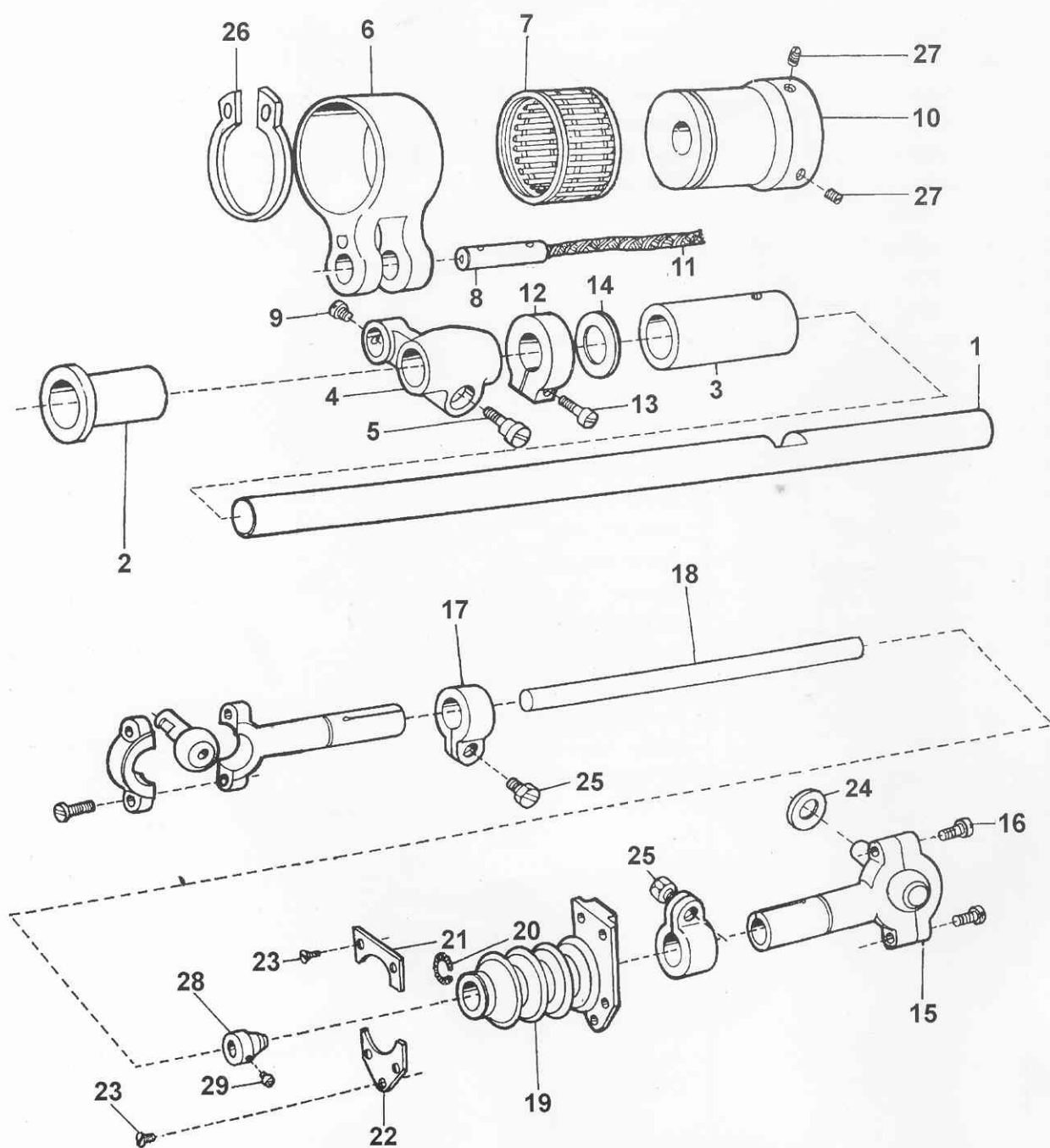
No.	Ref. No.	Description	QT.
1	8A4 -031	Regulating plate	1
2	8A4 -033	Differential feed bar driving connection	1
3	GB29012	Adjusting screw M5 × 18	1
4	BQ10019	Washer	2
5	8A4 -034	Rollar	1
6	BL10007	Nut M5	1
7	BS10020	Screw	4
8	8A4 -041	Feed bar	1
9	8A4 -042	Shim plate	1
10	8A4 -043	Pin	2
11	GB74018	Set screw M5 × 6	1
12	GB66010	Set screw M3 × 6	1
13	8A4 -036	Slide block for differential feed dog.	1
14	8A4 -045	Feed bar carrier	1
15	8A4 -046	Screw	1
16	BQ10017	Washer	1
17	8A4 -056	Screw	1
18	8A4 -057	Screw	1
19	116T3 -012	Oil wick $\Phi 2.5 \times 300$	1
20	GB66022	Adjusting screw M5 × 10	1
21	8A4 -044	Feed dog	1
22	GB66010	Screw M3 × 6	2
23	8A4 -037	Rollar of slide block	1
24	8A4 -038	Guide plate of slide block	2
25	8A4 -040	Differential feed dog	1
26	GB66015	Screw M4 × 8	1
27	8A4 -047	Oil pipe bushing	1
28	GB66007	Set screw M3 × 4	1
29	8A4 -048	Oil pipe	1
30	8A4 -049	Washer	1
31	116T4 -008	Screw M4 × 6	2
32	116T4 -007C3	Guide plate screw	1
33	116T4 -007C2	Lower guide plate	1
34	116T4 -007C1	Needle plate	1
35	8A4 -052	Oil pipe	1
36	8A4 -053	Oil pipe	1
37	8A4 -054	Oil pipe	1
38	GB66016	Screw M4 × 10	3
39	8A4 -050	Oil pipe bracket	1
40	8A4 -051	Washer	1
41	GB66008	Set screw M3 × 5	3
42	116T3 -012	Oil wick $\Phi 3 \times 40$	1
43	116T3 -012	Oil wick $\Phi 3 \times 120$	1
44	116T3 -012	Oil wick $\Phi 2.5 \times 135$	1
45	116T3 -012	Oil wick $\Phi 2.5 \times 160$	1
46	116T3 -012	Oil wick $\Phi 2.5 \times 200$	1

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10. Looper Mechanism (1)

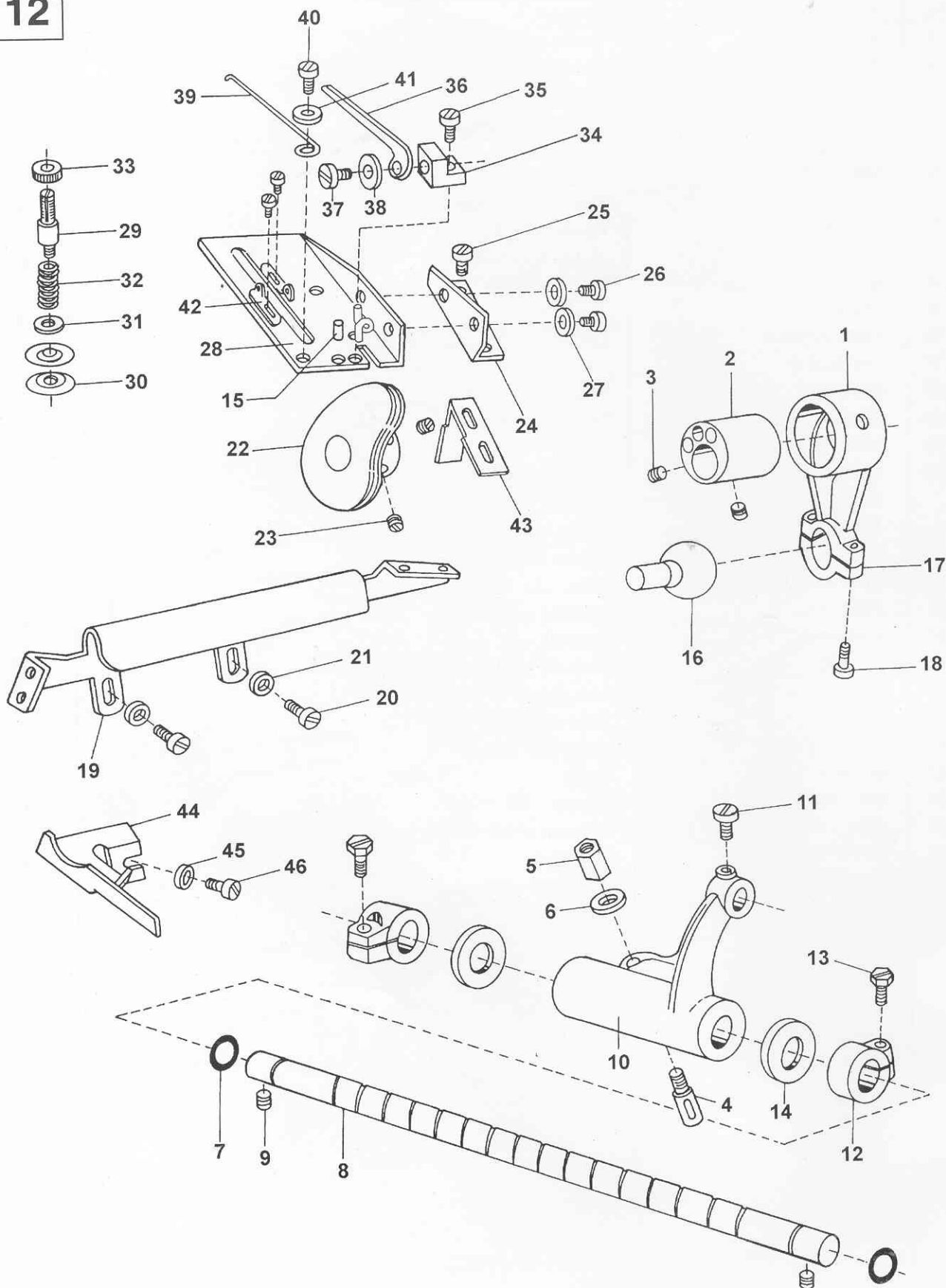
No.	Ref. No.	Description	QT.
1	8A5 -044	Looper	1
2	8A5 -003	Looper holder	1
3	8A5 -043	Stop spring	1
4	BS10046	Screw M4 ×7	1
5	GB29009	Screw M5 ×0.5 ×8	2
6	8A5 -006	Collar	1
7	GB74015	Screw M5 ×0.5 ×4	1
8	BQ10024	Security washer	1
9	GB52006	Nut M6	1
10	BS10026	Security screw M3.5 ×6	1
11	116T5 -001	Looper holder crank	1
12	8A5 -005	Looper holder shaft	1
13	8A5 -008	Adjusting screw	1
14	8A5 -045	Nut	1
15	116T5 -006	Back protecting plate	1
16	116T5 -004	Front protecting plate	1
17	116T5 -005	Protecting adjusting rod	1
18	GB75 -85	Set screw M5 ×16	1
19	116T5 -007	Back protecting plate bracket	1
20	43T3 -022	Screw M3 ×6.5	1
21	116T5 -003	Protecting crank	1
22	GB66023	Screw M5 ×12	1
23	116T5 -002	Oil pipe	1
24	116T3 -012	Oil wick $\Phi 3 \times 100$	1
25	GB74 -85	Screw M4 ×12	1
26	8A5 -042	Seal plug	1
27	GB74017	Screw M5 ×0.5 ×5	1
28	GB66015	Screw M4 ×8	1
29	116T3 -012	Oil wick $\Phi 4 \times 25$	1



11. Looper Mechanism (2)

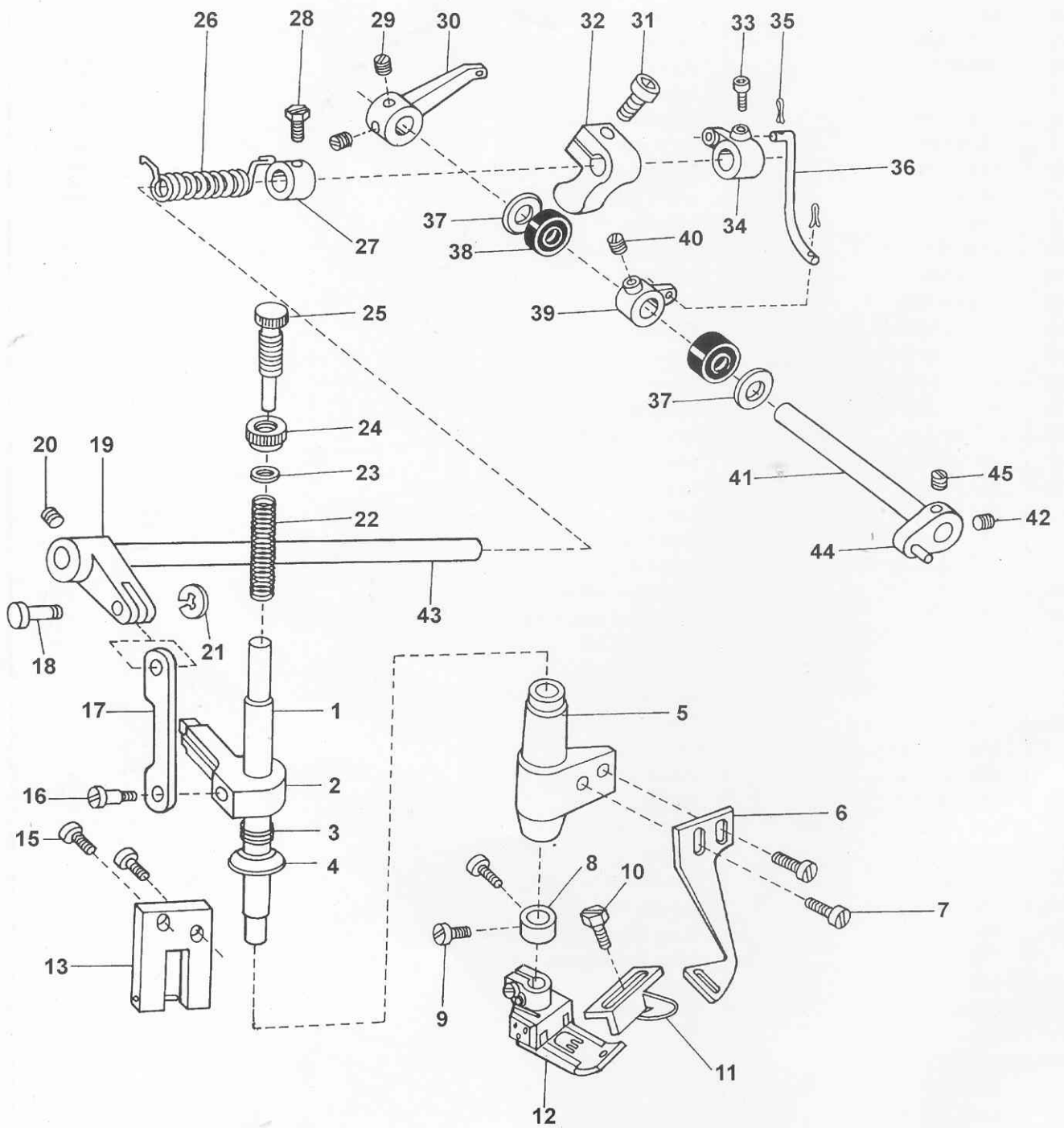
No.	Ref. No.	Description	QT.
1	8A5 -009	Looper holder crank shaft	1
2	8A5 -010	Front bushing	1
3	8A5 -011	Back bushing	1
4	8A5 -012	Crank shaft crank	1
5	BS30009	Set screw M5 x 12	1
6	116T4 -001A2	Link for crank shaft crank	1
7	8A4 -016B	Needle bearing assy.	1
	8A4 -016B2	Needle roller	1
	8A4 -016B1	Needle roller holder	16
8	8A4 -017	Pin	1
9	GB66008	Screw M3 x 5	1
10	116T4 -001A1	Link cam	1
11	116T3 -012	Oil wick $\Phi 4 \times 60$	1
12	8A5 -014	Collar	1
13	BS30011	Set screw M5 x 12	1
14	BQ10048	Washer	1
15	43T5 -006C1	Connecting rod assy.	2
	43T5 -006C2	Ball stud	2
	43T5 -006C1a	Looper holder stud connecting rod	2
	43T5 -006C1b	Cap for connecting rod	2
16	43T5 -006C1c	Screw M3.5 x 10	4
17	43T5 -007	Adjusting collar	2
18	43T5 -009	Adjusting rod	1
19	8A5 -020	Oil guard sleeve	1
20	8A5 -021	Lock spring	1
21	8A5 -022	Upper stop plate	1
22	8A5 -023	Lower stop plate	1
23	BS10017	Screw	5
24	8A5 -026	Washer	1
25	43T5 -008	Adjusting screw M4 x 0.5 x 10	2
26	GB894.1 -86 -18	Stop sleeve	1
27	GB74019	Screw M5 x 0.5 x 6	2
28	65T5 -001	Inner sleeve	1
29	GB66001	Set screw M2.5 x 3	1

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12. Lopper Mechanism (3)

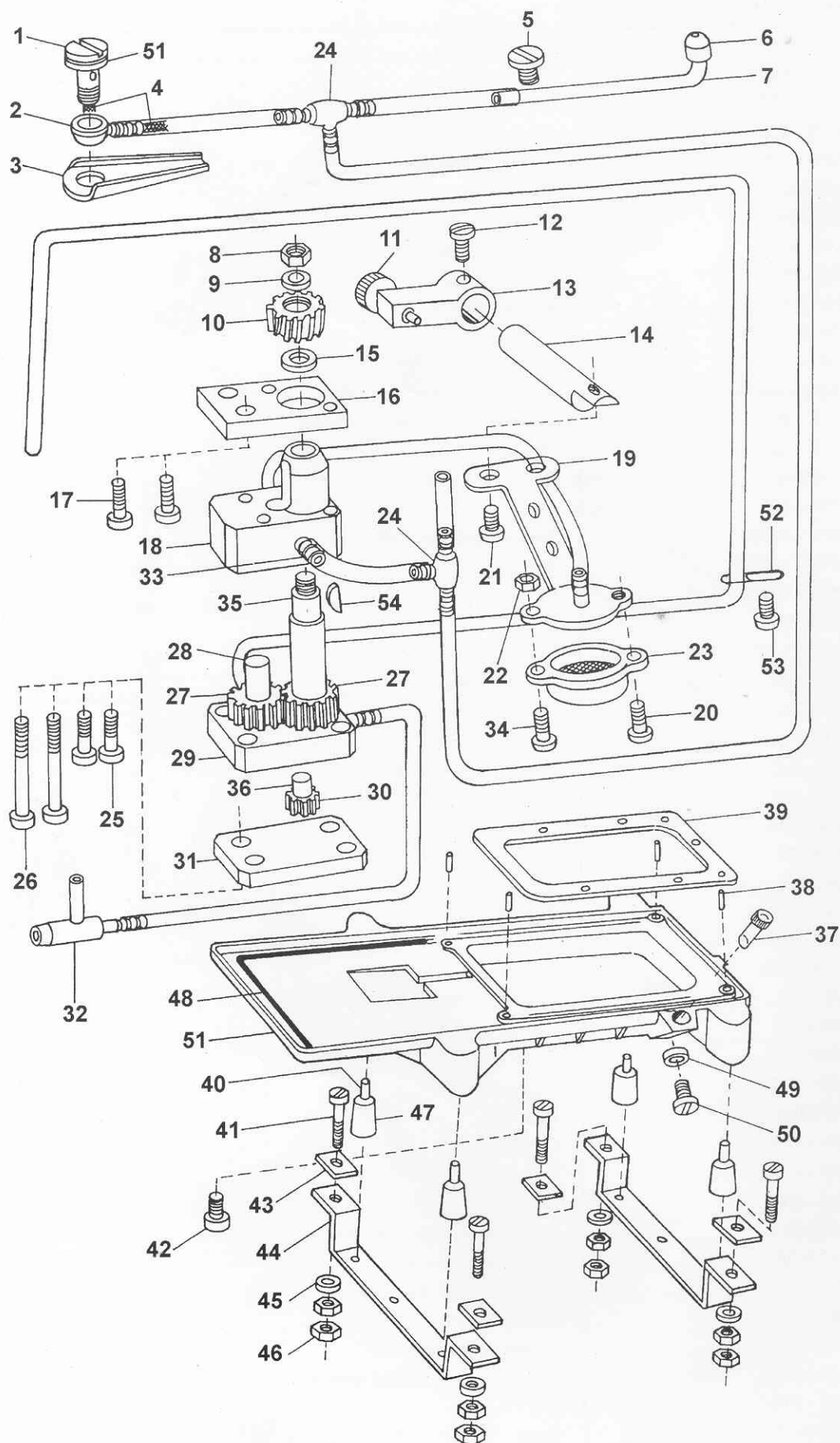
No.	Ref. No.	Description	QT.
1	43T5 - 001A1a	Connecting rod assy.	1
	43T5 - 001A1a1	Connecting rod	1
2	43T5 - 001A5	Eccentric cam	1
3	GB74029	Set screw M6 x 0.75 x 6	2
4	8A5 - 046	Clamp screw	1
5	8A5 - 030	Clamp nut	1
6	BQ10018	Washer	1
7	8A5 - 029	Oil seal	2
8	8A5 - 040	Looper rock shaft	1
9	GB74035	Set screw M6 x 16	2
10	8A5 - 027	Crank for lopper rock shaft	1
11	GB66001	Screw M2.5 x 3	2
12	8A5 - 014	Collar	2
13	BS30011	Set screw M5 x 12	2
14	BQ10048	Washer	2
15	8A5 - 036F2	Pin	1
16	43T5 - 001A1b	Ball stud	1
17	43T5 - 001A1a2	Connecting rod cup	1
18	43T5 - 001A1a3	Screw	2
19	65T5 - 002	Thread guide tube	1
20	GB66015	Screw M4 x 8	2
21	BQ10008	Washer	2
22	8A5 - 033D	Looper thread take-up cam assy.	1
	8A5 - 033D1	Cam disc	2
	8A5 - 033D2	Cam boss	1
	8A5 - 033D3	Spacer ring	1
23	GB74015	Set screw M5 x 0.5 x 4	2
24	8A5 - 034	Bracket for cam holder	1
25	GB66015	Screw M4 x 8	2
26	GB29001	Screw M3 x 5	2
27	BQ10001	Washer	2
28	8A5 - 035E	Cam holder assy.	1
	8A5 - 035E1	Cam holder	1
	8A5 - 035E2	Thread guide spring	1
29	8A5 - 035E3	Tension stud	1
30	8A2 - 068	Tension disc	2
31	BQ10025	Washer	1
32	8A5 - 035E5	Tension spring	1
33	8A5 - 035E4	Tension nut	1
34	8A5 - 036F	Upper thread guide bracket assy.	1
	8A5 - 036F1	Upper thread guide bracket	1
	8A5 - 036F2	Pin	1
35	GB29002	Screw M3 x 6	1
36	8A5 - 037	Upper thread guide	1
37	GB29002	Screw M3 x 6	1
38	BQ10002	Washer	1
39	8A5 - 038	Lower thread guide	1
40	GB65002	Screw M3 x 4	1
41	BQ10002	Washer	1
42	8A5 - 039	Thread guard ring	2
43	116T5 - 008	Oil guard plate	1
44	116T5 - 010	Bottom thread guide plate	1
45	BQ10008	Washer	1
46	GB66013	Screw M4 x 6	1



13. Presser foot Mechanism

No.	Ref. No.	Description	QT.
1	8A6 -002	Presser bar	1
2	43T6 -008	Stopper	1
3	43T6 -006	Oil guard washer spring	1
4	43T6 -005	Oil guard washer	1
5	43T6 -004	Presser bar collar	1
6	8A2 -044	Thread guide	1
7	43T3 -022	Screw M3 x6. 5	2
8	8A6 -003	Collar	1
9	BS10002	Screw M3. 5 x5	2
10	116T6 -002A3	Screw	1
11	116T6 -002A2	Upper fabric guide	1
12	116T6 -002A	Presser foot assy.	1
13	43T6 -021F	Presser foot stopper guide assy.	1
14	43T6 -007	Washer	1
15	GB66018	Screw M4 x14	2
16	43T6 -009	Screw M5 x0. 5 x14	1
17	43T6 -012B1	Presser foot lifter link	1
18	43T6 -012B2	Pin	1
19	43T6 -002B3	Front crank	1
20	GB74019	Screw	1
21	GB896 -76	Pin clamp	1
22	8A6 -021	Presser spring	1
23	BQ10017	Washer	1
24	116T6 -004	Nut	1
25	8A6 -020	Presser regulating thumb screw	1
26	8A6 -008	Spring	1
27	8A6 -009	Collar	1
28	BS30005	Set screw M6 x8	1
29	GB74030	Set screw M6 x8	2
30	8A6 -019	Presser foot lifter lever	1
31	BS30010	Set screw M5 x10	1
32	43T6 -015	Positioning crank	1
33	GB70001	Set screw M4 x10	1
34	8A6 -011	Presser foot lift crank	1
35	GB91 -76	Cotter pin	2
36	8A6 -012	Connecting rod	1
37	BQ10045	Washer	2
38	8A6 -015B	Oil seal assy.	2
	8A6 -015B1	Rubber cup	2
	8A6 -016	Spring	2
39	8A6 -013	Inner Presser foot lifter lever	1
40	GB74030	Set screw M6 x8	1
41	116T6 -001	Thread tension release shaft	1
42	GB74015	Screw M5 x0. 5 x4	1
43	8A6 -007	Presser foot lifter shaft	1
44	8A6 -017	Thread tension release lever assy.	1
	8A6 -018	Pin	1
45	GB74017	Screw M5 x0. 5 x5	1

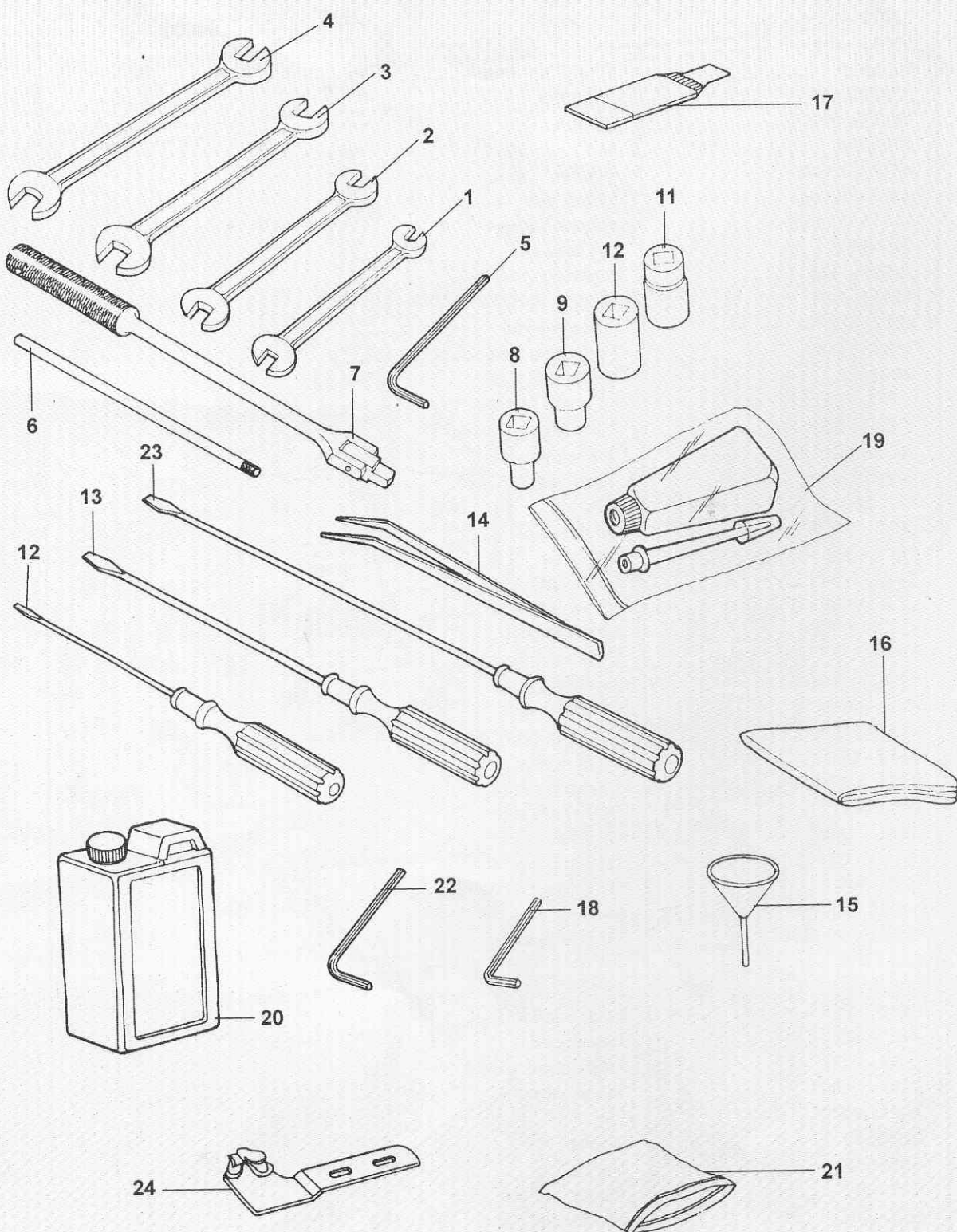
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14. Lubrication Mechanism

No.	Ref. No.	Description	QT.
1	28T7 -012	Screw	1
2	28T7 -010	Oil nozzle	1
3	116T3 -008	Oil trough	1
4	116T3 -012	Oil wick $\phi 4 \times 15$	2
5	BS10029	Screw M5 $\times$ 10	1
6	116T3 -009D1	Oil nozzle	1
7	116T3 -009D2	Oil pipe	1
8	GB52004	Nut	1
9	43T7 -025A5	Washer	1
10	43T7 -025A4	Helical gear	1
11	116T3 -006C2	Adjusting screw	1
12	GB74008	Set screw	1
13	116T3 -006C1	Adjusting wrench	1
14	116T3 -004	Oil filter holder shaft	1
15	43T7 -025A2	Lower washer	1
16	116T3 -002	Positioning plate	1
17	GB66023	Screw M5 $\times$ 12	2
18	116T3 -001A1	Oil pump bracket	1
19	116T3 -003B1a	Oil filter holder assy.	1
20	58T7 -001A3	Set screw	1
21	GB66022	Set screw M5 $\times$ 10	1
22	GB52002	Nut M4	1
23	58T7 -001A2	Oil filter	1
24	58T7 -004	Oil nozzle	2
25	GB818 -85	Screw M4 $\times$ 16	2
26	GB818 -85	Screw M4 $\times$ 32	2
27	43T7 -025A7	Oil pump gear	2
28	116T3 -001A4	Oil pump gear shaft	1
29	116T3 -001A2	Oil absorb	1
30	43T7 -025A10	Oil absorb gear	2
31	116T3 -001A3	Oil pump cover plate	1
32	65T3 -006B	Oil pipe assy.	1
33	22T4 -007C2	Oil pump nozzle	4
34	GB66016	Screw M4 $\times$ 10	1
35	43T7 -025A1	Oil pump shaft	1
36	116T3 -001A5	Oil pump gear shaft	1
37	8A3 -004	Oil gauge	1
38	116T3 -011E3	Pin	4
39	116T3 -011E2	Oil seal gasket	1
40	8A3 -016	Pin	4
41	8A3 -031	Bolt	4
42	GB70 -85	Screw M6 $\times$ 16	5
43	8A3 -030	Rubber pad	4
44	65T3 -015C	Holder plate assy.	2
	65T3 -015C1	Holder plate	2
	8A3 -029C2	Pin	4
45	BQ10047	Washer	4
46	GB52013	Nut	8
47	8A3 -015	Rubber cushion	4
48	8A3 -006	Oil seal belt	1
49	43T7 -018	Washer	1
50	43T7 -017	Screw	1
51	116T3 -010	Oil gasket	1
52	C32	Oil pipe clamp	1
53	GB66012	Screw M4 $\times$ 5	1
54	43T7 -025A3	Helical gear key	1

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15. Accessories

No.	Ref. No.	Description	QT.
1		Double – end wrench 4 × 5	1
2		Double – end wrench 6 × 7	1
3		Double – end wrench 8 × 10	1
4		Double – end wrench 9 × 10	1
5		Allen wrench (5mm)	1
6		Hand lever	1
7		Socket wrench	1
8		Socket 5mm	1
9		Socket 7mm	1
10		Socket 8mm	1
11		Socket 10mm	1
12		Screw driver $\Phi 3 \times 50$	1
13		Screw driver $\Phi 5 \times 140$	1
14		Tweezers	1
15		Funnel	1
16		Machine cover	1
17		Needle	1pack
18		Allen wrench 3mm	1
19	22T9 – 011	Oil pot	1
20	22T9 – 017	Oil tank	1
21	22T9 – 008	Plastic pocket	1
22		Allen wrench 4mm	1
23		Screw driver $\Phi 5 \times 250$	1
24	8A1 – 040A	Hemming assy.	1



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