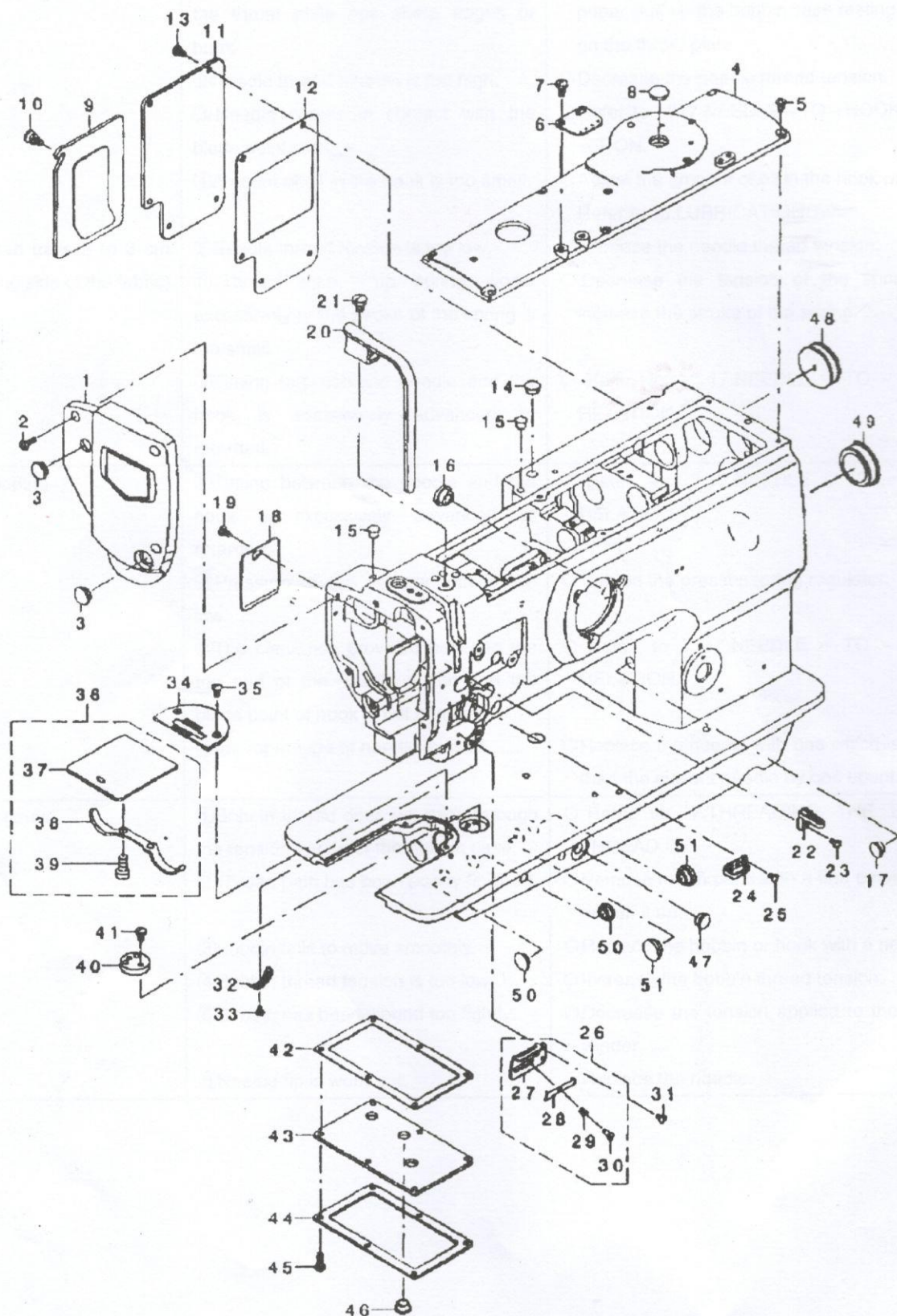


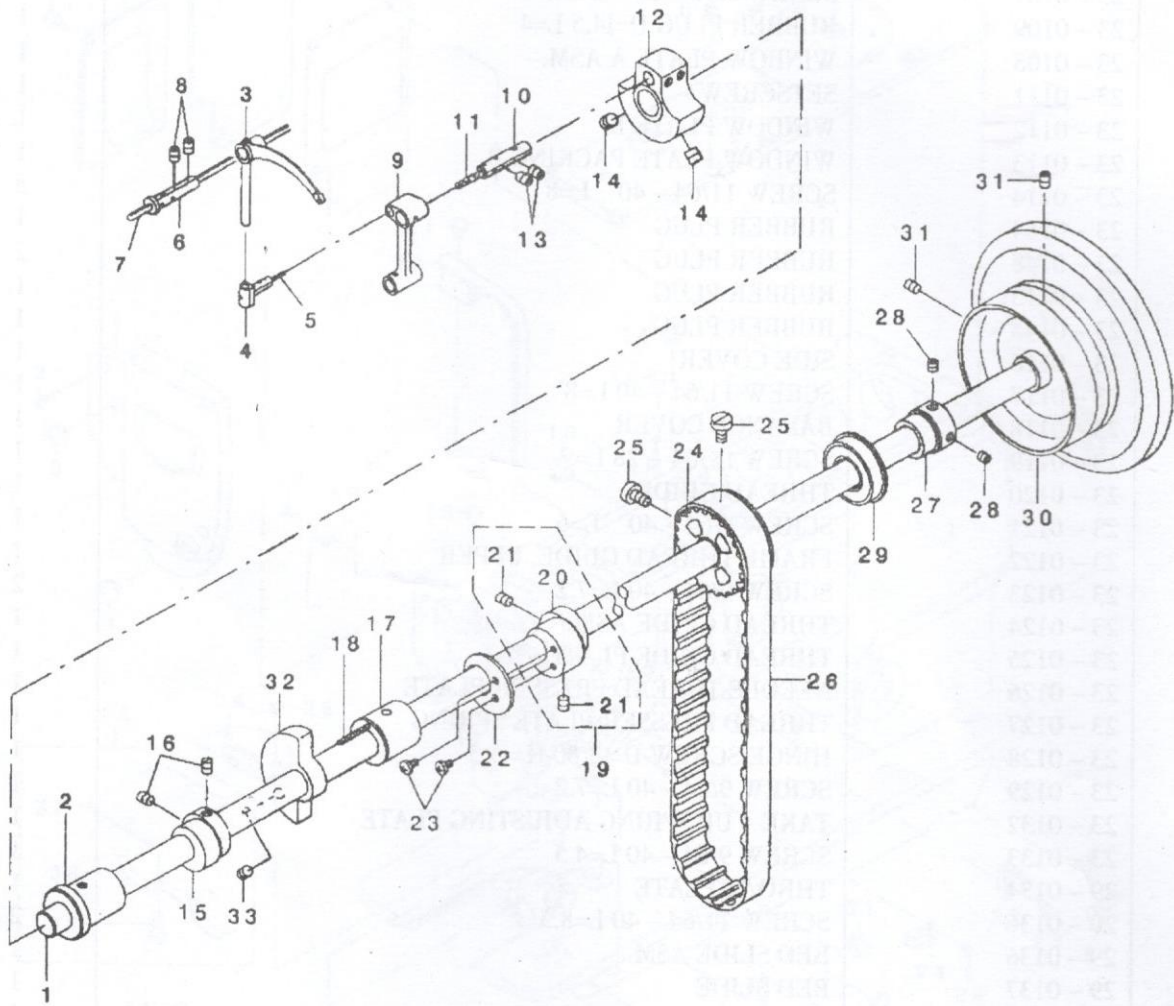
1. FRAME & MISCELLANEOUS COVER COMPONENTS



1. FRAME & MISCELLANEOUS COVER COMPONENTS

REF	PART NO.	DESCRIPTION	Qty
1	23 - 0101	PAGE PLATE ASM.	1
2	23 - 0102	SCREW 11/64 - 40 L=12	3
3	23 - 0103	RUBBER PLUG D=12.5 L=4	2
4	23 - 0104	TOP COVER B	1
5	23 - 0105	SCREW 11/64 - 40 L=8	6
6	23 - 0106	ARM THREAD GUIDE	1
7	23 - 0107	SCREW 3/16 - 32 L=9.5	2
8	23 - 0109	RUBBER PLUG D=14.5 L=4	1
9	23 - 0108	WINDOW PLATE A ASM.	1
10	23 - 0111	SETSCREW	1
11	23 - 0112	WINDOW PLATE B	1
12	23 - 0113	WINDOW PLATE PACKING B	1
13	23 - 0114	SCREW 11/64 - 40 L=8	5
14	23 - 0164	RUBBER PLUG	1
15	23 - 0148	RUBBER PLUG	2
16	23 - 0115	RUBBER PLUG	1
17	23 - 0145	RUBBER PLUG	1
18	23 - 0116	SIDE COVER	1
19	23 - 0117	SCREW 11/64 - 40 L=8	1
20	23 - 0118	BALANCE COVER	1
21	23 - 0119	SCREW 15/64 - 28 L=9	1
22	23 - 0120	THREAD GUIDE	1
23	23 - 0121	SCREW 9/64 - 40 L=6	1
24	23 - 0122	FRAME THREAD GUIDE, UPPER	1
25	23 - 0123	SCREW 9/64 - 40 L=7.2	2
26	23 - 0124	THREAD GUIDE ASM.	1
27	23 - 0125	THREAD GUIDE PLATE	1
28	23 - 0126	NEEDLE THREAD PRESSER PLATE	1
29	23 - 0127	THREAD PRESSER PLATE SPRING	1
30	23 - 0128	HINGE SCREW D= 3.80 H= 5.5	1
31	23 - 0129	SCREW 9/64 - 40 L=7.2	1
32	23 - 0132	TAKE - UP SPRING ADJUSTING PLATE	1
33	23 - 0133	SCREW 9/64 - 40 L=4.5	1
34	29 - 0134	THROAT PLATE	1
35	20 - 0136	SCREW 11/64 - 40 L=8.5	2
36	29 - 0136	BED SLIDE ASM.	1
37	29 - 0137	BED SLIDE	1
38	20 - 0143	SLIDE PLATE SPRING	1
39	20 - 0144	SCREW 3/32 - 56 L=1.9	2
40	29 - 0140	SCALE BASE PLATE	1
41	20 - 0155	SCREW 11/64 - 40 L=7	2
42	29 - 0142	GASKET	1
43	29 - 0143	OIL TANK COVER	1
44	29 - 0144	OIL TANK COVER PLATE	1
45	3 - 0719	SCREW 11/64 - 40 L=12	6
46	23 - 0146	RUBBER PLUG	3
47	23 - 0146	RUBBER PLUG	1
48	29 - 0158	RUBBER PLUG	1
49	29 - 0157	CAP	1
50	20 - 0139	RUBBER PLUG D=12.5 L=4	2
51	23 - 0146	RUBBER PLUG	2

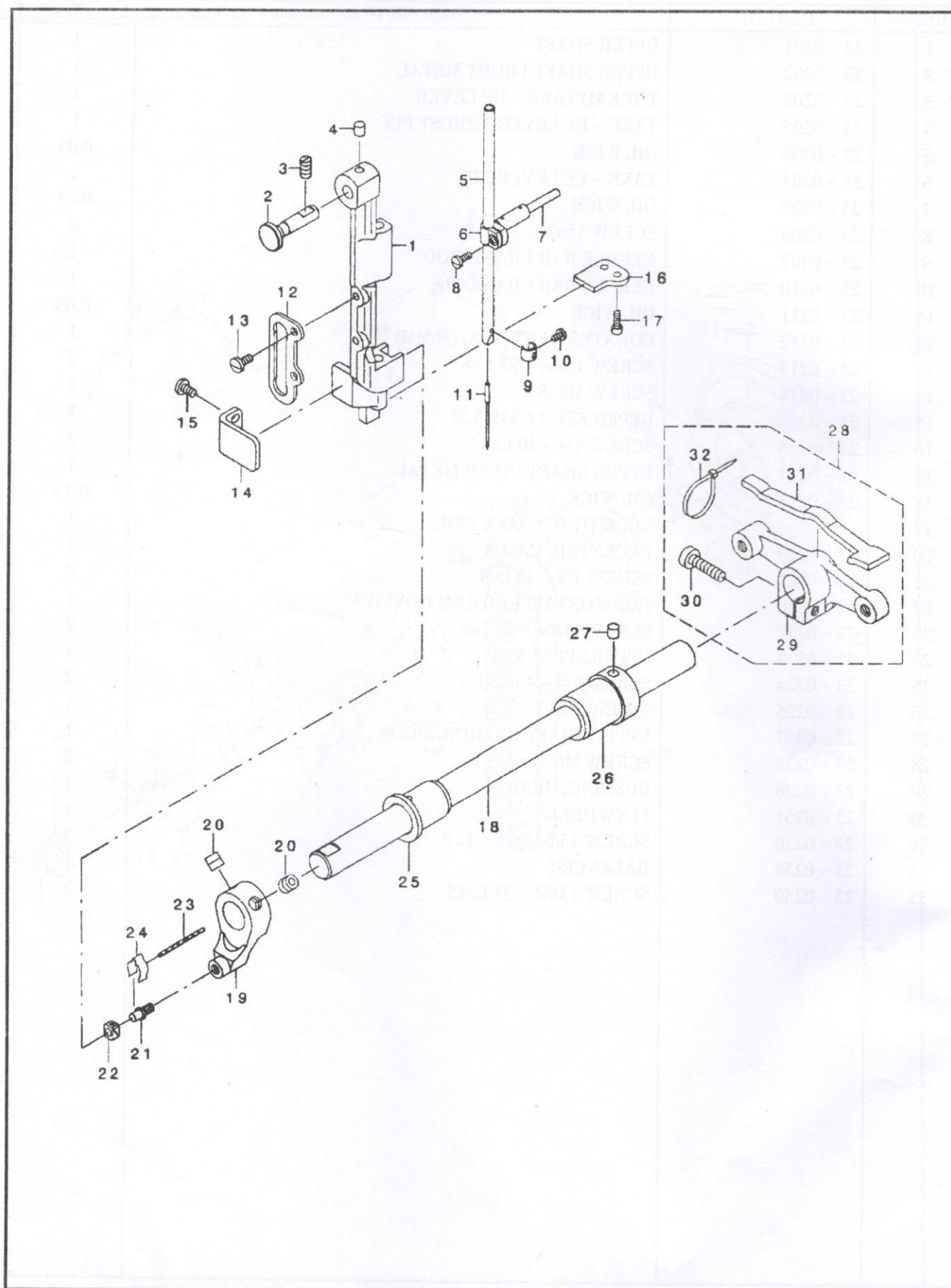
2. UPPER SHAFT DRIVING & BALANCE COMPONENTS



2. UPPER SHAFT DRIVING & BALANCE COMPONENTS

REF	PART NO.	DESCRIPTION	Qty
1	23 - 0201	UPPER SHAFT	1
2	23 - 0202	UPPER SHAFT FRONT METAL	1
3	23 - 0203	THREAD TAKE - UP LEVER	1
4	23 - 0205	TAKE - UP LEVER THRUST PIN	1
5	23 - 0209	OIL WICK	0.03
6	23 - 0204	TAKE - UP LEVER PIN	1
7	23 - 0208	OIL WICK	0.45
8	23 - 0206	SCREW 15/64 - 28 L=8	2
9	23 - 0207	NEEDLE BAR CRANK ROD	1
10	23 - 0210	NEEDLE BAR CRANK PIN	1
11	23 - 0211	OIL WICK	0.03
12	23 - 0212	COUNTERWEIGHT (A) (36MM)	1
13	23 - 0213	SCREW 15/64 - 28 L=8	2
14	23 - 0214	SCREW M8x8	2
15	23 - 0215	UPPER FEED CAM (3.5)	1
16	23 - 0216	SCREW 1/4 - 40 L=8	2
17	23 - 0217	UPPER SHAFT INNER METAL	1
18	23 - 0218	OIL WICK	0.15
19		ECCENTRIC CAM A ASM,	1
20	23 - 0220	ECCENTRIC CAM A	1
21	23 - 0221	SCREW 1/4 - 40 L=8	2
22	23 - 0256	HORIZONTALFEED CAM COVER	1
23	23 - 0257	SCREW 11/64 - 40 L=7	2
24	23 - 0223	UPPER SPROCKET	1
25	23 - 0224	SCREW 1/4 - 40 L=11	2
26	23 - 0225	TIMING BELT	1
27	23 - 0227	UPPER SHAFT BEARING HOOK	1
28	23 - 0228	SCREW M6x6	2
29	23 - 0226	BUSHING, REAR	1
30	23 - 0261	FLYWHEEL	1
31	23 - 0230	SCREW 15/64 - 28 L=8	2
32	23 - 0258	BALANCER	1
33	23 - 0259	SCREW 15/64 - 28 L=15	2

3. NEEDLE BAR ROCKING COMPONENTS



3. NEEDLE BAR ROCKING COMPONENTS

REF	PART NO.	DESCRIPTION	Qty
1	23 - 0301	NEEDLE BAR FRAME	1
2	23 - 0302	HINGE STUD	1
3	23 - 0305	SCREW 15/64 - 28 L=10.5	1
4	23 - 0303	FELT	1
5	23 - 0307	NEEDLE BAR	1
6	23 - 0308	NEEDLE BAR CONNECTION	1
7	23 - 0310	FELT	1
8	23 - 0309	SCREW 9/64 - 40 L=8.5	1
9	25 - 0311	THREAD GUARD	1
10	25 - 0312	SCREW 1/8 - 44 L=4.5	1
11		NEEDLE SY3355 160	1
12	23 - 0314	UPPER FEED BAR GUIDE	1
13	23 - 0315	SCREW 11/64 - 40 L=8.5	2
14	23 - 0316	ROCKING BASE GUIDE	1
15	23 - 0317	SCREW 11/64 - 40 L=7.5	2
16	23 - 0318	ROCKING BASE GUIDE (B)	1
17	23 - 0319	SCREW	2
18	23 - 0322	ROCKING SHAFT	1
19	23 - 0320	ROCKING FRONT ARM	1
20	23 - 0321	SCREW	2
21	23 - 0324	STUD	1
22	23 - 0323	SQUARE BLOCK	1
23	23 - 0332	OIL WICK	0.05
24	23 - 0304	OIL WICK RETAINER	1
25	23 - 0325	ROCKING SHAFT FRONT METAL	1
26	23 - 0326	ROCKING SHAFT REAR METAL	1
27	23 - 0306	FELT	1
28	23 - 0327	ROCKING REAR ARM ASM.	1
29	23 - 0328	ROCKING REAR ARM	1
30	23 - 0329	SCREW 15/64 - 28 L=23.5	1
31	23 - 0330	ROCKING REAR ARM FELT	1
32		CABLE BAND	2

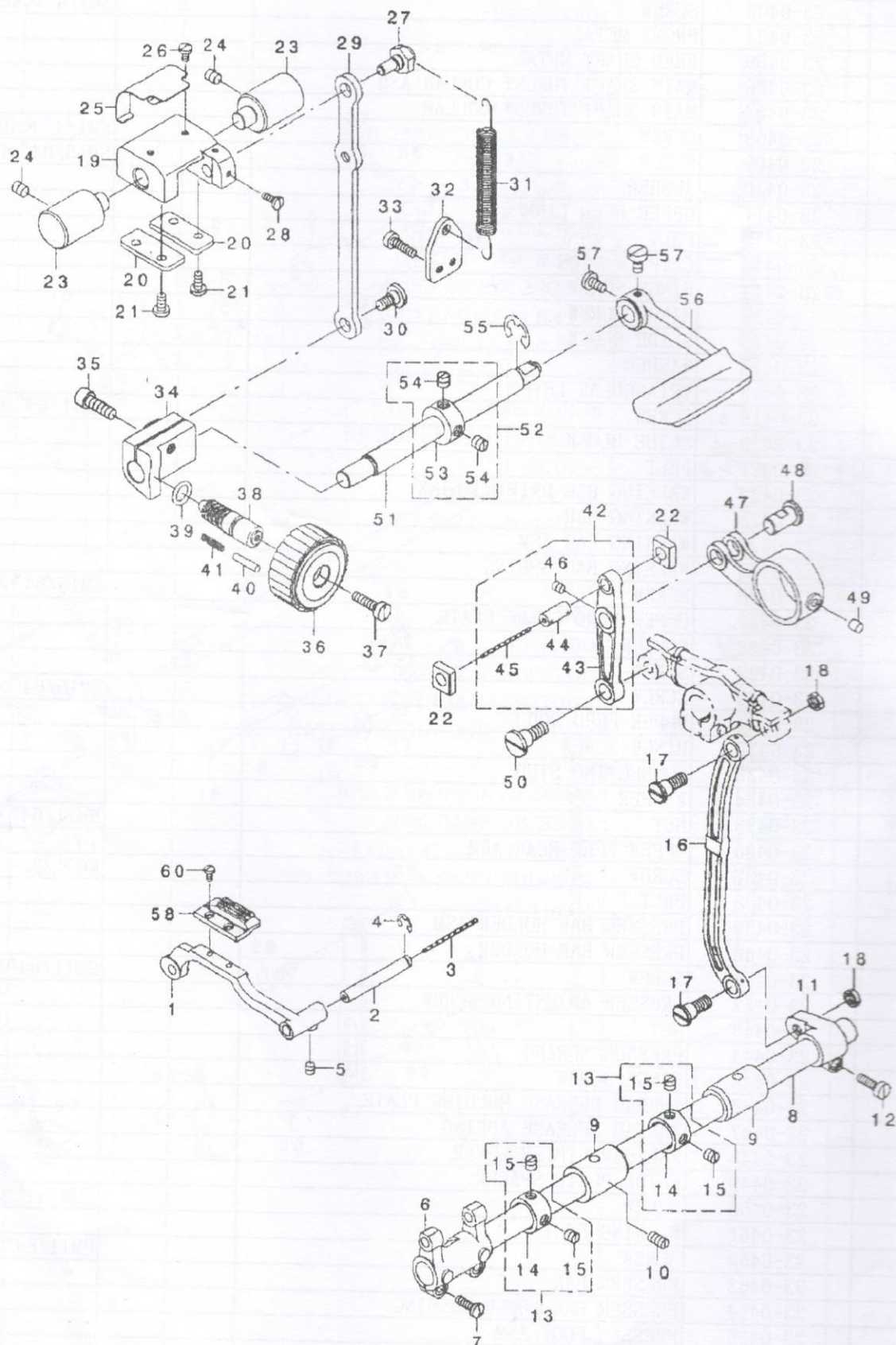
4. PRESSURE ADJUSTING & UPPER FEED MECHANISM COMPONENTS

REF	PART NO.	DESCRIPTION	QTY
1	23-0301	NEEDLE BAR FRAME	1
2	23-0302	HINGE STUD	1
3	23-0303	SCREW 1/2-20 x 1-10 L	1
4	23-0304	FELT	1
5	23-0305	NEEDLE BAR	1
6	23-0306	NEEDLE BAR CONNECTION	1
7	23-0307	FELT	1
8	23-0308	SCREW 1/2-20 x 1-10 L	1
9	23-0309	SCREW 1/2-20 x 1-10 L	1
10	23-0310	SCREW 1/2-20 x 1-10 L	1
11	23-0311	SCREW 1/2-20 x 1-10 L	1
12	23-0312	SCREW 1/2-20 x 1-10 L	1
13	23-0313	SCREW 1/2-20 x 1-10 L	1
14	23-0314	SCREW 1/2-20 x 1-10 L	1
15	23-0315	SCREW 1/2-20 x 1-10 L	1
16	23-0316	SCREW 1/2-20 x 1-10 L	1
17	23-0317	SCREW 1/2-20 x 1-10 L	1
18	23-0318	SCREW 1/2-20 x 1-10 L	1
19	23-0319	SCREW 1/2-20 x 1-10 L	1
20	23-0320	SCREW 1/2-20 x 1-10 L	1
21	23-0321	SCREW 1/2-20 x 1-10 L	1
22	23-0322	SCREW 1/2-20 x 1-10 L	1
23	23-0323	SCREW 1/2-20 x 1-10 L	1
24	23-0324	SCREW 1/2-20 x 1-10 L	1
25	23-0325	SCREW 1/2-20 x 1-10 L	1
26	23-0326	SCREW 1/2-20 x 1-10 L	1
27	23-0327	SCREW 1/2-20 x 1-10 L	1
28	23-0328	SCREW 1/2-20 x 1-10 L	1
29	23-0329	SCREW 1/2-20 x 1-10 L	1
30	23-0330	SCREW 1/2-20 x 1-10 L	1
31	23-0331	SCREW 1/2-20 x 1-10 L	1
32	23-0332	SCREW 1/2-20 x 1-10 L	1
33	23-0333	SCREW 1/2-20 x 1-10 L	1
34	23-0334	SCREW 1/2-20 x 1-10 L	1
35	23-0335	SCREW 1/2-20 x 1-10 L	1
36	23-0336	SCREW 1/2-20 x 1-10 L	1
37	23-0337	SCREW 1/2-20 x 1-10 L	1
38	23-0338	SCREW 1/2-20 x 1-10 L	1
39	23-0339	SCREW 1/2-20 x 1-10 L	1
40	23-0340	SCREW 1/2-20 x 1-10 L	1
41	23-0341	SCREW 1/2-20 x 1-10 L	1
42	23-0342	SCREW 1/2-20 x 1-10 L	1
43	23-0343	SCREW 1/2-20 x 1-10 L	1
44	23-0344	SCREW 1/2-20 x 1-10 L	1
45	23-0345	SCREW 1/2-20 x 1-10 L	1
46	23-0346	SCREW 1/2-20 x 1-10 L	1
47	23-0347	SCREW 1/2-20 x 1-10 L	1
48	23-0348	SCREW 1/2-20 x 1-10 L	1
49	23-0349	SCREW 1/2-20 x 1-10 L	1
50	23-0350	SCREW 1/2-20 x 1-10 L	1
51	23-0351	SCREW 1/2-20 x 1-10 L	1
52	23-0352	SCREW 1/2-20 x 1-10 L	1
53	23-0353	SCREW 1/2-20 x 1-10 L	1
54	23-0354	SCREW 1/2-20 x 1-10 L	1
55	23-0355	SCREW 1/2-20 x 1-10 L	1
56	23-0356	SCREW 1/2-20 x 1-10 L	1
57	23-0357	SCREW 1/2-20 x 1-10 L	1

4. PRESSURE ADJUSTING & UPPER FEED MECHANISM COMPONENTS

REF	PARTNO	DESCRIPTION	Qty	NOTE
1	23-0401	UPPER FEED SHAFT	1	
2	23-0402	UPPER FEED FRONT ARM	1	
3	23-0403	SCREW	2	SM1/4"×40 L=6
4	23-0404	FRONT METAL	1	
5	23-0405	FEED SHAFT MRTAL	1	
6	23-0406	MAIN SHAFT THRUST COLLAR ASM	1	
7	23-0407	MAIN SHAFT THRUST COLLAR	1	
8	23-0408	SCREW	2	SM1/4"×40 L=6
9	23-0409	SCREW	1	SM15/64"×28 L=7
10	23-0410	RUBBER	1	
11	23-0411	UPPER FEED LINK	1	
12	23-0412	FELT	1	
13	23-0413	CLIP CV -70S	1	
14	23-0414	HINGE SCREW	2	
15	23-0415	HINGE SCREW	1	
16	23-0416	SLIDE BLOCK	2	
17	23-0417	WASHER	1	
18	23-0418	TRIANGULAR LEVER	1	
19	23-0419	SCREW	1	SM11/64"×40 L=5
20	23-0420	SLIDE BLOCK	1	
21	23-0421	FELT	1	
22	23-0422	WALKING BAR DRIVING LINK	1	
23	23-0423	WALKING BAR	1	
24	23-0424	WALKING BAR ASM	1	
25	23-0425	WALKING BAR SPRING	1	
26	23-0426	SCREW	1	SM15/64"×28 L=17
27	23-0427	UPPER FRRD GUIDE PLATE	1	
28	23-0428	ROLLER	1	
29	23-0429	SCREW	1	
30	23-0430	SCREW	1	SM15/64"×28 L=19
31	23-0431	UPPER FEED ROD	1	
32	23-0432	HINGE SCREW	1	
33	23-0433	CONNECTING STUD	1	
34	23-0434	WASHER	1	
35	23-0435	NUT	1	SM11/64"×40
36	23-0436	UPPER FEED REAR ARM	1	
37	23-0437	SCREW	1	M6×22
38	23-0438	FELT	1	
39	23-0439	PRESSER BAR HOLDER ASM	1	
40	23-0440	PRESSER BAR HOLDER	1	
41	23-0441	SCREW	1	SM11/64"×40 L=8
42	23-0442	PRESSER ADJUSTING SCREW	1	
43	23-0443	NUT	1	
44	23-0444	PRESSER SPRING	1	
45	23-0445	HINGE SCREW	1	
46	23-0446	THREAD RELEASE HOLDING PLATE	1	
47	23-0447	THREAD RELEASE APRING	1	
48	23-0448	PRESSER LIFTER LEVER	1	
49	23-0449	DUIDE PLATE SPACER	1	
50	23-0450	SCREW	1	SM9/64"×40 L=9
51	23-0451	WALKING FOOT	1	
52	23-0452	SCREW	1	SM11/64"×40 L=6.5
53	23-0453	PRESSER BAR	1	
54	23-0454	PRESSER BAR LOWER BUSHING	1	
55	23-0455	PRESSER FOOT ASM	1	
56	23-0456	PRESSER FOOT	1	
57	23-0457	FINGER GUARD	1	

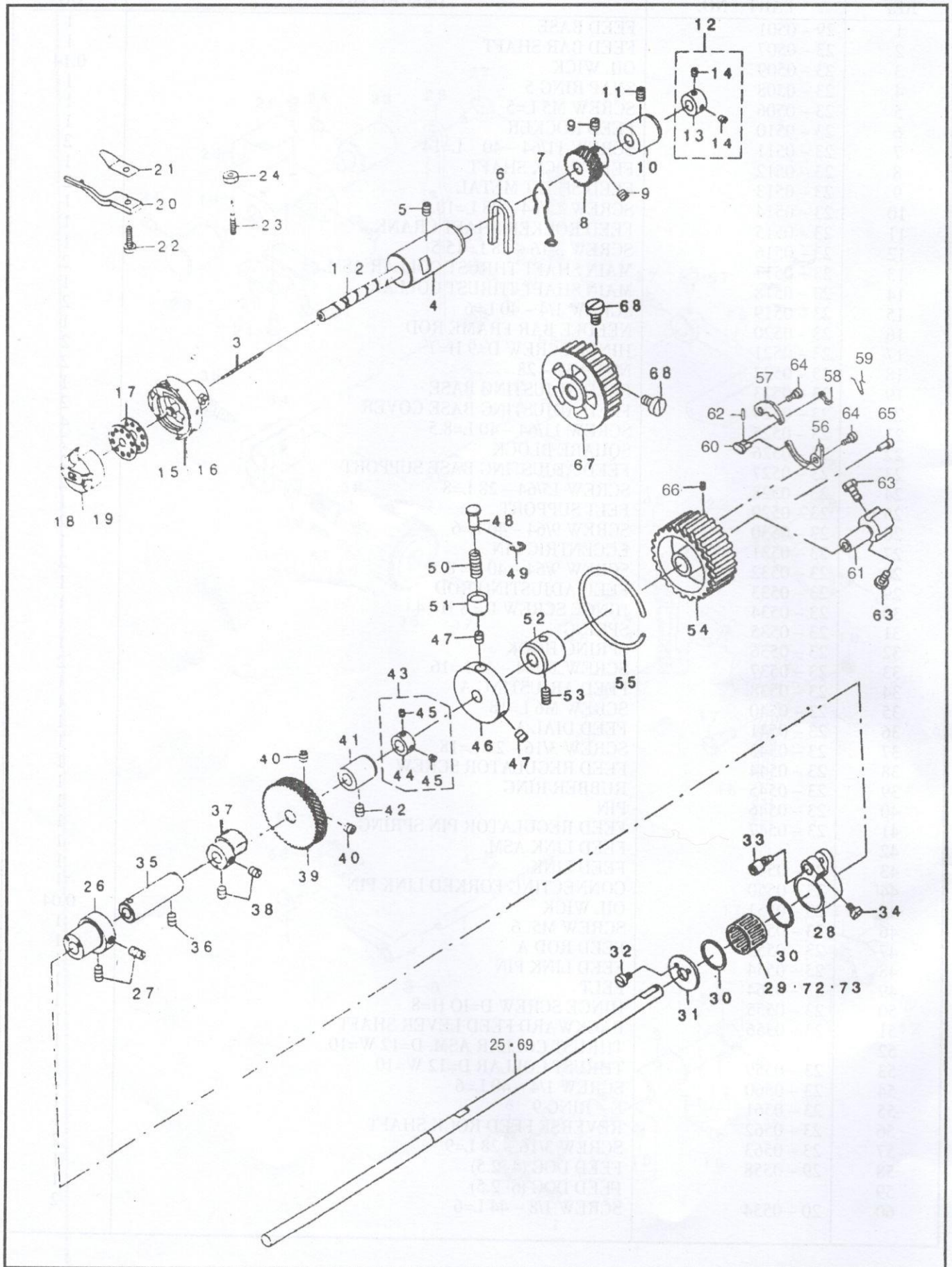
5. FEED MECHANISM COMPONENTS



5. FEED ECHANISM COMPONENTS

REF	PART NO.	DESCRIPTION	Qty
1	29 - 0501	FEED BASE	1
2	23 - 0507	FEED BAR SHAFT	1
3	23 - 0509	OIL WICK	0.14
4	23 - 0508	SNAP RING 5	1
5	23 - 0506	SCREW M5 L=5	1
6	23 - 0510	FEED ROCKER	1
7	23 - 0511	SCREW 11/64 - 40 L=14	2
8	23 - 0512	FEED ROCK SHAFT	1
9	23 - 0513	FEED SHAFT METAL	2
10	23 - 0514	SCREW 15/64 - 28 L=10.5	1
11	23 - 0515	FEED ROCKER SHAFT CRANK	1
12	23 - 0516	SCREW 3/16 - 28 L=15.5	1
13	23 - 0517	MAIN SHAFT THRUST COLLAR ASM.	2
14	23 - 0518	MAIN SHAFT THRUST COLLAR	1
15	23 - 0519	SCREW 1/4 - 40 L=6	2
16	23 - 0520	NEEDLE BAR FRAME ROD	1
17	23 - 0521	HINGE SCREW D=9 H=7	2
18	23 - 0522	NUT 9/32 - 28	2
19	23 - 0523	FEED ADJUSTING BASE	1
20	23 - 0524	FEED ADJUSTING BASE COVER	2
21	23 - 0525	SCREW 11/64 - 40 L=8.5	4
22	23 - 0526	SQUARE BLOCK	2
23	23 - 0527	FEED ADJUSTING BASE SUPPORT	2
24	23 - 0528	SCREW 15/64 - 28 L=8	2
25	23 - 0529	FELT SUPPORT	1
26	23 - 0530	SCREW 9/64 - 40 L=6	2
27	23 - 0531	ECCENTRIC PIN	1
28	23 - 0532	SCREW 9/64 - 40 L= 8.5	2
29	23 - 0533	FEED ADJUSTINO ROD	1
30	23 - 0534	HINGE SCREW D= 8 H= 4	1
31	23 - 0535	SPRING	1
32	23 - 0536	SPRING HOOK	1
33	23 - 0537	SCREW 11/64 - 40 L=16	2
34	23 - 0538	FEED ARJUSTING A	1
35	23 - 0540	SCREW M6 L=18	1
36	23 - 0541	FEED DIAL A	1
37	23 - 0543	SCREW 3/16 - 28 L=18	1
38	23 - 0544	FEED REGULATOR SCREW	1
39	23 - 0545	RUBBER RING	1
40	23 - 0546	PIN	1
41	23 - 0547	FEED REGULATOR PIN SPRING	1
42		FEED LINK ASM.	1
43	23 - 0549	FEED LINK	1
44	23 - 0550	CONNECTING FORKED LINK PIN	1
45	23 - 0551	OIL WICK	0.04
46	23 - 0552	SCREW M5□6	1
47	23 - 0553	FEED ROD A	1
48	23 - 0554	FEED LINK PIN	1
49	23 - 0564	FELT	1
50	23 - 0555	HINGE SCREW D=10 H=8	1
51	23 - 0556	BACKWARD FEED LEVER SHAFT	1
52		THRUST COLLAR ASM. D=12 W=10	1
53	23 - 0559	THRUST COLLAR D=12 W=10	1
54	23 - 0560	SCREW 1/4 - 40 L=6	2
55	23 - 0561	E - RING 9	1
56	23 - 0562	REVERSE FEED ROCK SHAFT	1
57	23 - 0563	SCREW 3/16 - 28 L=9	2
58	29 - 0558	FEED DOG (4□2.5)	1
59		FEED DOG (6□2.5)	1
60	20 - 0534	SCREW 1/8 - 44 L=6	2

6. HOOK SHAFT & LOWER SHAFT COMPONENTS

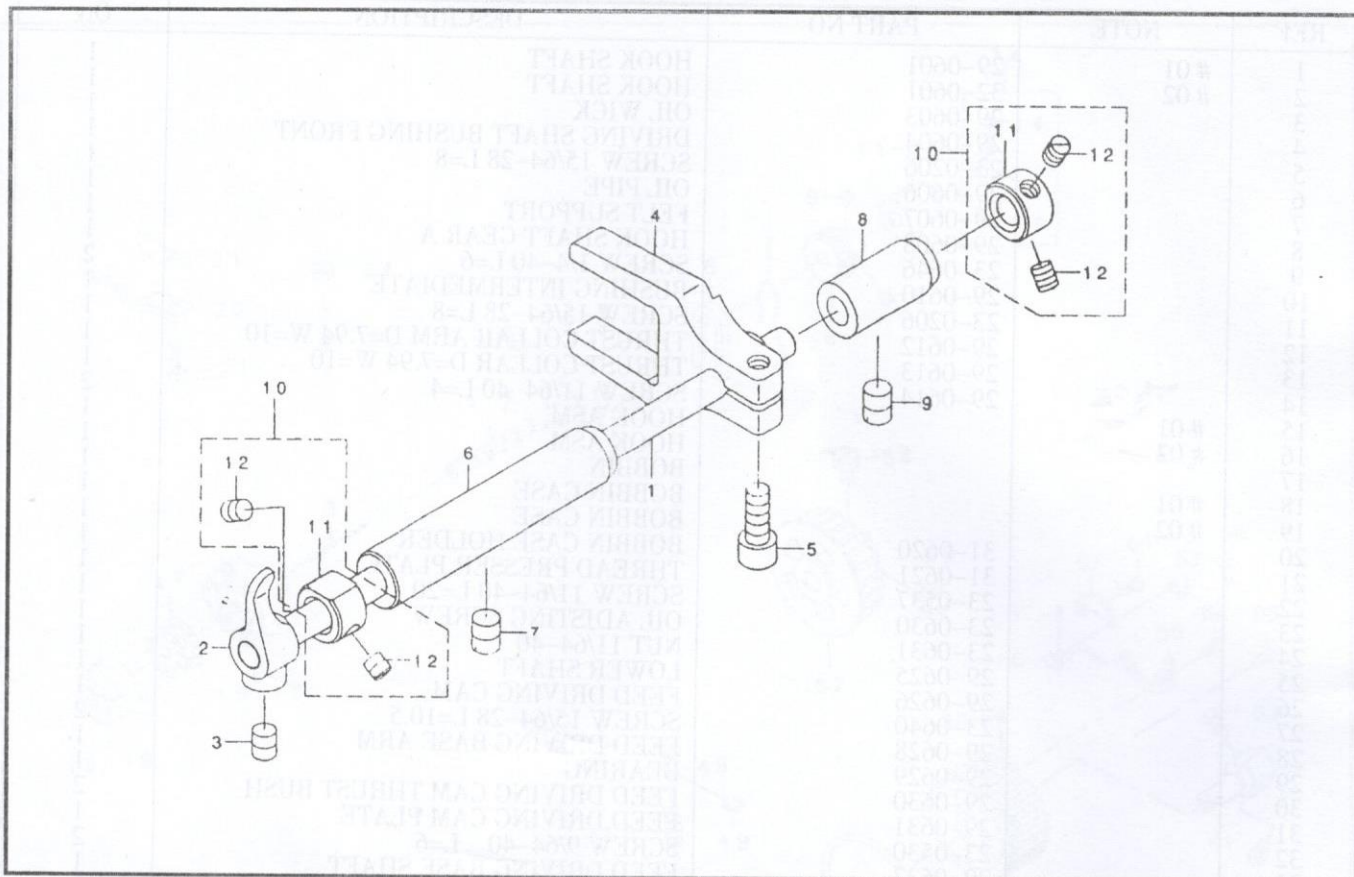


6. HOOK SHAFT & LOWER SHAFT COMPONENTS

REF	NOTE	PART NO	DESCRIPTION	Qty
1	# 01	29-0601	HOOK SHAFT	1
2	# 02	32-0601	HOOK SHAFT	1
3		29-0603	OIL WICK	1
4		29-0604	DRIVING SHAFT BUSHING FRONT	1
5		23-0206	SCREW 15/64-28 L=8	1
6		29-0606	OIL PIPE	1
7		29-0607	FELT SUPPORT	1
8		29-0608	HOOK SHAFT GEAR A	1
9		23-0646	SCREW 1/4-40 L=6	2
10		29-0610	BUSHING INTERMEDIATE	1
11		23-0206	SCREW 15/64-28 L=8	1
12		29-0612	THRUST COLLAR ARM D=7.94 W=10	1
13		29-0613	THRUST COLLAR D=7.94 W=10	1
14		29-0614	SCREW 11/64-40 L=4	2
15	# 01		HOOK ASM	1
16	# 02		HOOK ASM	1
17			BOBBIN	1
18	# 01		BOBBIN CASE	1
19	# 02		BOBBIN CASE	1
20		31-0620	BOBBIN CASE HOLDER	1
21		31-0621	THREAD PRESSER PLATE	1
22		23-0537	SCREW 11/64-40 L=20	1
23		23-0630	OIL ADJUSTING SCREW	1
24		23-0631	NUT 11/64-40	1
25		29-0625	LOWER SHAFT	1
26		29-0626	FEED DRIVING CAM	1
27		23-0640	SCREW 15/64-28 L=10.5	2
28		29-0628	FEED DRIVING BASE ARM	1
29		29-0629	BEARING	1
30		29-0630	FEED DRIVING CAM THRUST BUSH	2
31		29-0631	FEED DRIVING CAM PLATE	1
32		23-0530	SCREW 9/64-40 L=6	2
33		29-0633	FEED DRIVING BASE SHAFT	1
34		23-0257	SCREW 11/64-40 L=7	1
35		29-0635	LOWER SHAFT FRONT METAL	1
36		23-0249	SCREW 15/64-28 L=7	1
37	# 02	32-0602	OPENE CAM	1
38	# 02	23-0249	SCREW 15/64-28 L=7	2
39		29-0639	LOWER SHAFT CEAR	1
40		23-0646	SCREW 1/4-40 L=6	2
41		29-0641	LOWER SHAFT INNER METAL	1
42		23-0408	SCREW 15/64-28 L=7	1
43		29-0643	THRUST COLLAR ASM D=9.5 E=8	1
44		29-0644	THRUST COLLAR D=9.5 E=8	1
45		23-0655	SCREW 11/64-40 L=3.5	2
46	# 02	32-0603	SAFETY CLUTCH DISC	1
47	# 02	23-0249	SCREW 15/64-28 L=7	2
48	# 02	23-0244	SAFETY CLUTCH PUSH BUTTON	1
49	# 02	23-0246	E-RING	1
50	# 02	23-0247	SPRING	1
51	# 02	23-0248	SAFETY CLUTCH KNOB SLEEVE	1
52		29-0652	LOWER SHAFT BACK METAL	1
53		23-0408	SCREW 15/64-28 L=7	1
54	# 02	23-0231	LOWER SPROCKET	1
55	# 02	23-0232	SPROCKET RING	1
56	# 02	23-0233	SAFETY CLUTCH SPRING	1
57	# 02	23-0234	SAFETY CLUTCH HOOK	1
58	# 02	23-0235	SAFETY CLUTCH COUNTER-HOOK	1
59	# 02	23-0236	COUNTER-HOOK SPRING	1
60	# 02	23-0237	SAFETY CLUTCH SMALL LINK	1
61	# 02	23-0238	SAFETY BASE	1
62	# 02	23-0239	SAFETY CLUTCH SMALL LINK PIN	1
63	# 02	23-0408	SCREW 1/4-40 L=11	2
64	# 02	23-0241	HINGE SCREW D=6.35 H=3.2	2
65	# 02	23-0269	ADJUSTING PIN (1.2)	1
66	# 02	23-0243	SCREW 11/64-40 L=9.5	1
67	# 01	29-0668	SPROCKET WHEEL	1
68	# 01	23-0223	SCREW 1/4-40 L=11	2
68	# 02	32-0604	LOWER SHAFT	1

NOTE #01.....FOR 1541 #02.....FOR 1541S

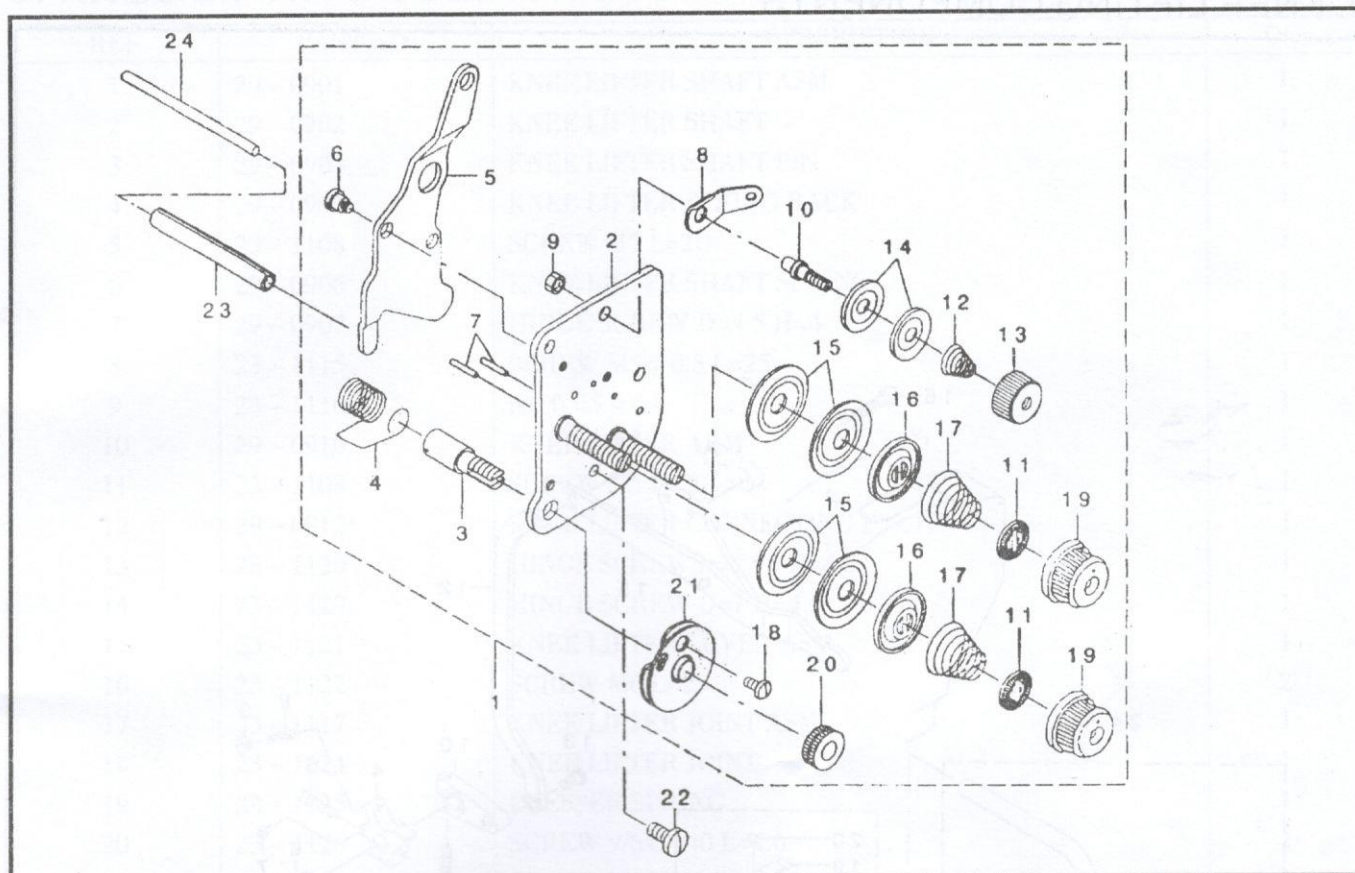
7. OPENER COMPONENTS (FOR 1541S)



7. OPENER COMPONENTS (FOR 1541S)

REF	PART NO.	DESCRIPTION	Qty
1	32-0701	OPENER SHAFT	1
2	32-0702	OPENER	1
3	23-1220	SCREW M5 × 6.8 L=6	1
4	32-0704	OPENER ARM	1
5	32-0705	SCREW M5 × 0.8 L=12	1
6	32-0706	BUSHING FRONT	1
7	23-0249	SCREW SM15/64-28 L=7	1
8	32-0708	OPENER SHAFT REAR METAL	1
9	23-0249	SCREW SM15/64-28 L=7	1
10	32-0710	THRUST COLLAR ASM	1
11	32-0711	THRUST COLLAR	2
12	1-0117	SCREW SM11/64-40 L=5.5	2

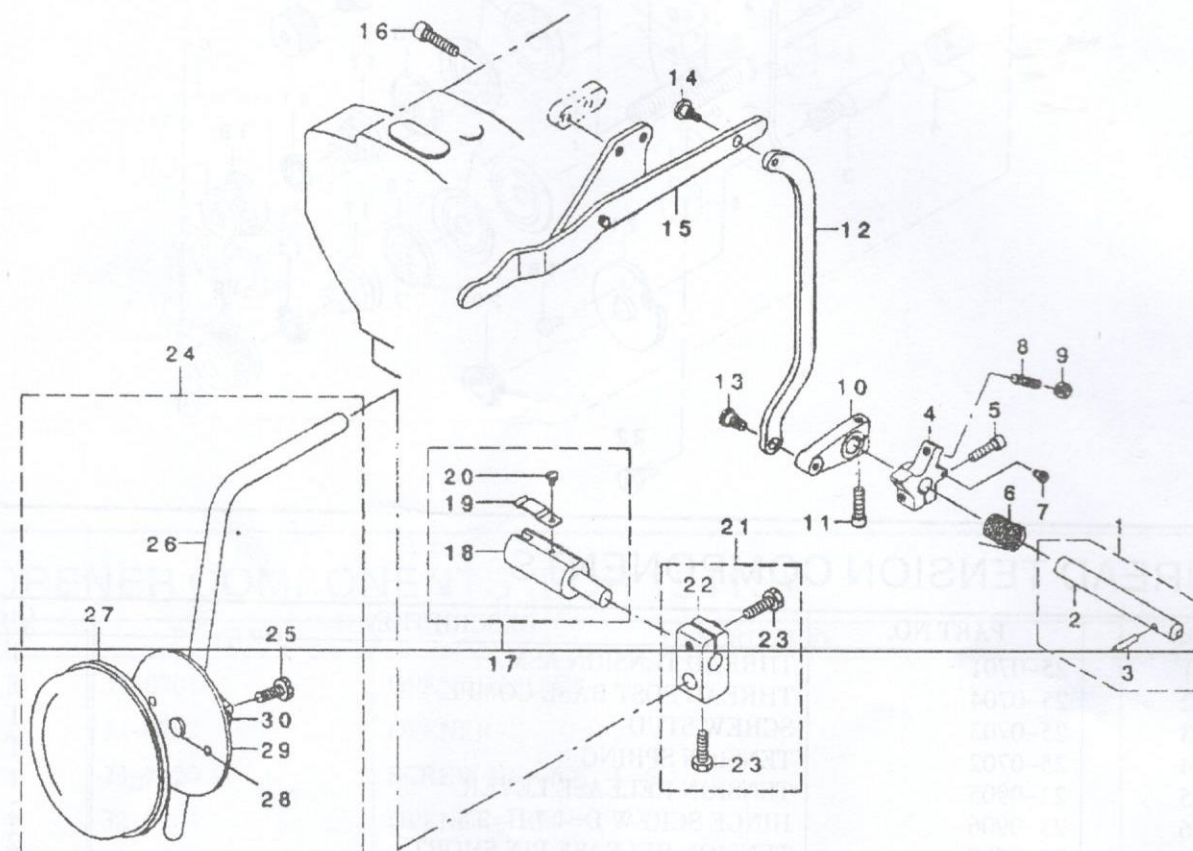
8. THREAD TENSION COMPONENTS



8. THREAD TENSION COMPONENTS

REF	PART NO.	DESCRIPTION	Qty
1	25-0701	THREAD TENSION ASM.	1
2	25-0704	THREAD POST BASE COMPL.	1
3	25-0703	SCREW STUD	1
4	25-0702	TENSION SPRING	1
5	23-0905	TENSION RELEASE LEVER	1
6	23-0906	HINGE SCREW D=4.7 H=2.8	2
7	25-0707	TENSION RELEASE PIN,SHORT	2
8	25-0721	GUIDE PLATE	1
9	23-0909	NUT 11/64-40	1
10	23-0910	THREAD TENSION POST	1
11	23-0911	ROTATING STOPPER	2
12	23-0912	TENSION SPRING	1
13	23-0913	THREAD TENSION NUT	1
14	25-0718	BOBBIN WINDER TENSION DISC	1
15	23-0915	THREAD TENSION DISK	2
16	23-0916	THREAD TENSION DISK PRESSER	1
17	23-0917	TENSION SPRING	1
18	23-0918	SCREW 1/8-44 L=6.4	2
19	23-0919	THREAD TENSION NUT	1
20	23-0932	THREAD TENSION NUT	1
21	25-0705	TAKE-UP SPRING GUIDE DISC ASM.	1
22	23-0315	SCREW 11/64-40 L=8.5	2
23	23-0937	SPRING PIN	1
24	23-0935	TENSION RELEASE BAR	1

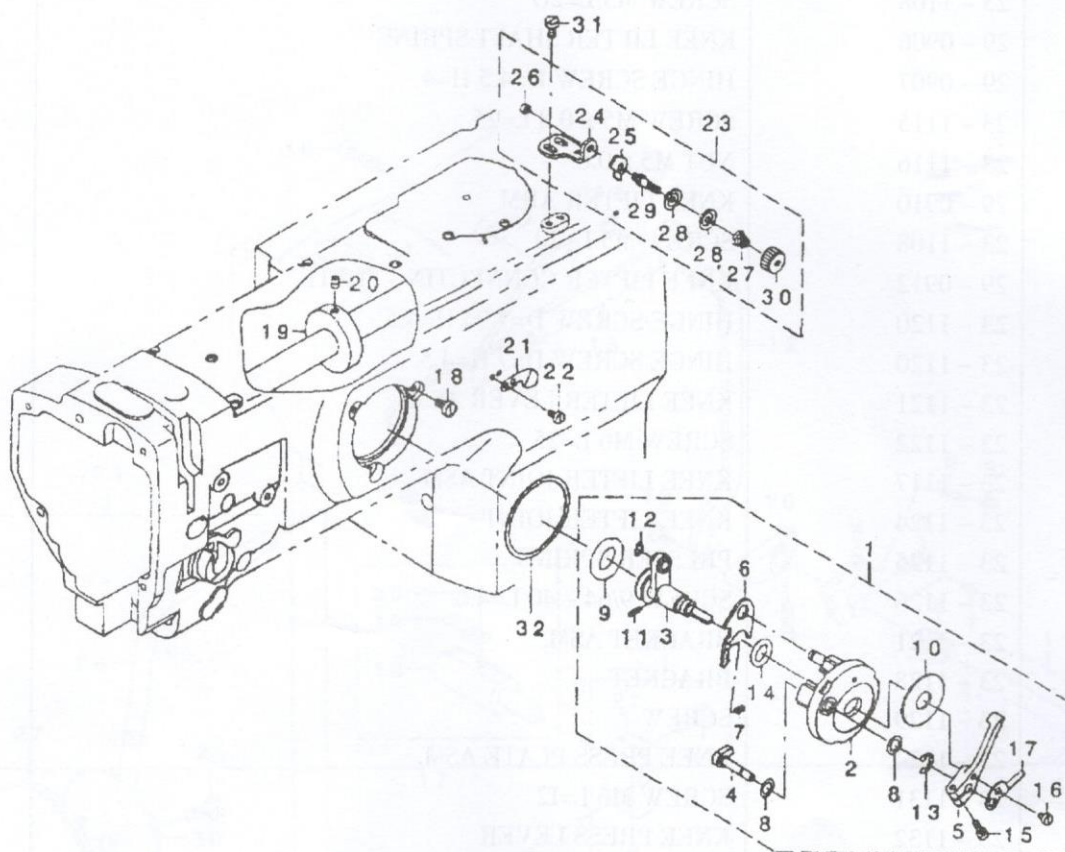
9. KNEE LIFTING COMPONENTS



9. KNEE LIFTING COMPONENTS

REF	PART NO.	DESCRIPTION	Qty
1	29 - 0901	KNEE LIFTER SHAFT ASM.	1
2	29 - 0902	KNEE LIFTER SHAFT	1
3	29 - 0903	KNEE LIFTER SHAFT PIN	1
4	29 - 0904	KNEE LIFTER SPRING RACK	1
5	23 - 1108	SCREW M5 L=20	1
6	29 - 0906	KNEE LIFTER SHAFT SPRING	1
7	29 - 0907	HINGE SCREW D=4.5 H=4	1
8	23 - 1115	SCREW M5 × 0.8 L=25	1
9	23 - 1116	NUT M5 × 0.8	1
10	29 - 0910	KNEE LIFTER ARM	1
11	23 - 1108	SCREW M5 L=20	1
12	29 - 0912	KNEE LIFTER CONNECTING PLATE	1
13	23 - 1120	HINGE SCREW D=7.94 H=4.5	1
14	23 - 1120	HINGE SCREW D=7 H=4.5	1
15	23 - 1121	KNEE LIFTER LEVER ASM.	1
16	23 - 1122	SCREW M6 L=25	2
17	23 - 1117	KNEE LIFTER JOINT ASM.	1
18	23 - 1124	KNEE LIFTER JOINT	1
19	23 - 1125	PRESSER SPRING	1
20	23 - 1126	SCREW 9/64 - 40 L=4.6	1
21	23 - 1121	BRACKET ASM.	1
22	23 - 1128	BRACKET	1
23	23 - 1129	SCREW	2
24	23 - 1124	KNEE PRESS PLATE ASM.	1
25	23 - 1131	SCREW M6 L=12	1
26	23 - 1132	KNEE PRESS LEVER	1
27	23 - 1133	KNEE PAD PLATE COVER	1
28	23 - 1134	KNEE PAD PLATE RUBBER	1
29	23 - 1135	KNEE PAD PLATE	1
30	23 - 1136	KNEE PAD PLATE SUPPORT	1

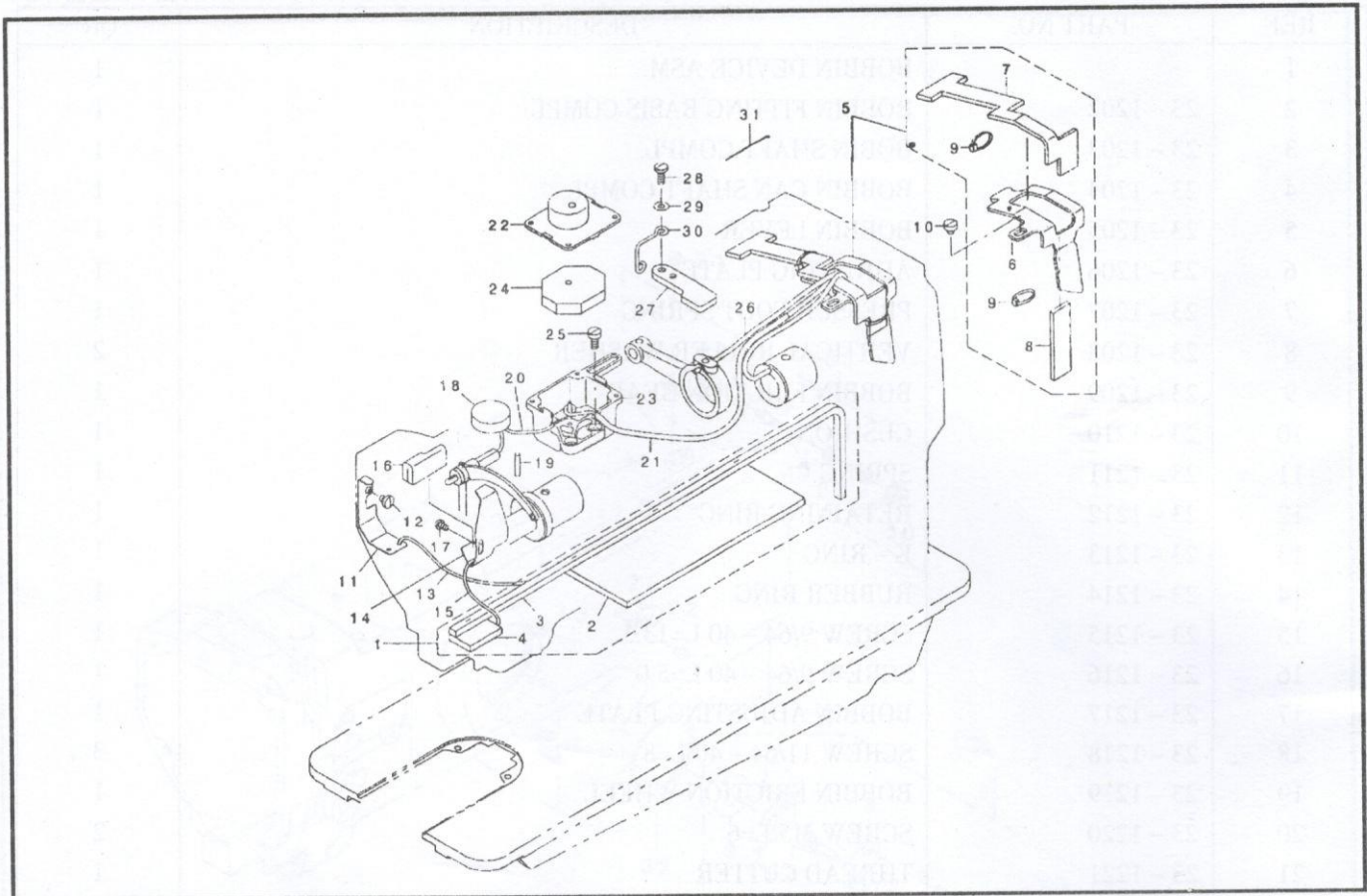
10. LOWER THREAD WINDER MECHANISM COMPONENTS



10. LOWER THREAD WINDER MECHANISM COMPONENTS

REF	PART NO.	DESCRIPTION	Qty
1		BOBBIN DEVICE ASM.	1
2	23 - 1202	BOBBIN FITTING BASIS COMPL.	1
3	23 - 1203	BOBIN SHAFT COMPL.	1
4	23 - 1204	BOBBIN CAN SHAFT COMPL.	1
5	23 - 1205	BOBBIN LEVER	1
6	23 - 1206	ADJUSTING PLATE	1
7	23 - 1207	PRESSUR FOOT SPRING	1
8	23 - 1208	VERTICAL ROLLER WASHER	2
9	23 - 1209	BOBBIN FRICTION GEAR	1
10	23 - 1210	CUSHION	1
11	23 - 1211	SPRING	1
12	23 - 1212	RETAINING RING	1
13	23 - 1213	E - RING	1
14	23 - 1214	RUBBER RING	1
15	23 - 1215	SCREW 9/64 - 40 L=13.5	1
16	23 - 1216	SCREW 9/64 - 40 L=5.0	1
17	23 - 1217	BOBBIN ADJUSTING PLATE	1
18	23 - 1218	SCREW 11/64 - 40 L=8	3
19	23 - 1219	BOBBIN FRICTION WHEEL	1
20	23 - 1220	SCREW M5 L=6	2
21	23 - 1221	THREAD CUTTER	1
22	23 - 1222	SCREW	2
23	23 - 1223	LOWER THREAD GUIDE ASM.	1
24	23 - 1224	FITTING BASE	1
25	23 - 1225	THREAD GUIDE	1
26	23 - 1226	NUT 11/64 - 40	1
27	23 - 1227	TENSION SPRING NO.1	1
28	23 - 1228	BOBBIN WINDER TENSION DISC	2
29	23 - 1229	THREAD TENSION POST	1
30	23 - 1230	THREAD TENSION NUT	1
31	23 - 1231	SCREW	2
32	23 - 1232	PACKING	1

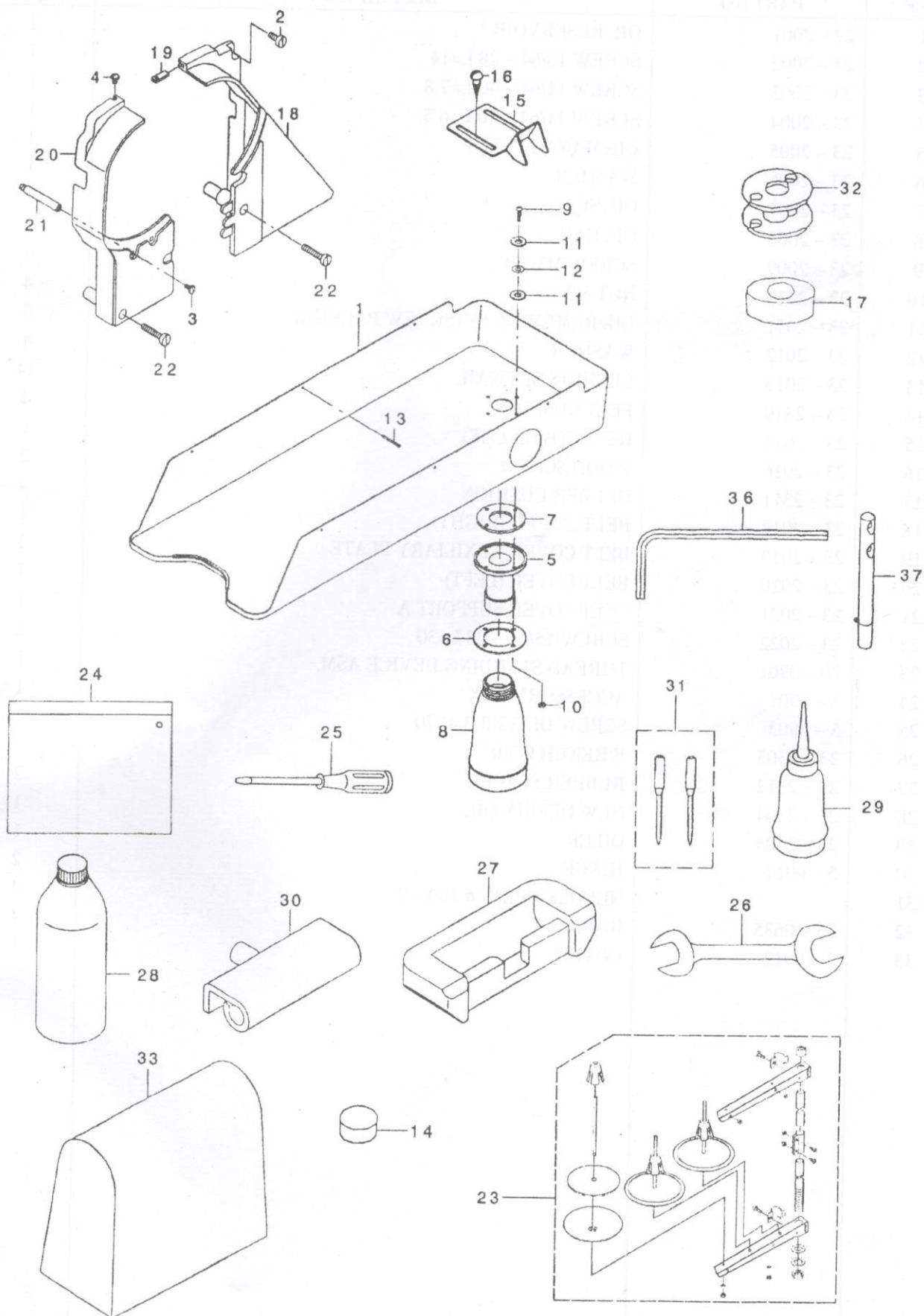
11.LUBRICATION COMPONENTS



11.LUBRICATION COMPONENTS

REF	PART NO.	DESCRIPTION	Qty
1	23 - 1501	ARM ONCE THROUGH OIL FELT ASM.	1
2	23 - 1502	ARM ONCE THROUGH FELT A	1
3	23 - 1503	FELT B	1
4	23 - 1504	FACE ONCE THROUGH FELT	1
5	23 - 1505	FELT SUPPORT ASM. .	1
6	23 - 1506	FELT	1
7	23 - 1507	FEED CHANGE FELT	1
8	23 - 1508	FELT	1
9	23 - 0414	CLIP CV - 70S	2
10	23 - 1510	SCREW 11/64 - 40 L=4.3	1
11	23 - 1511	UPPER FEED OIL BAR PLATE	1
12	23 - 1512	SCREW 11/64 - 40 L=5	1
13	23 - 1513	OIL WICK	0.2
14	23 - 1514	TAKE - UP OIL PLATE	1
15	23 - 1515	OIL WICK	0.2
16	23 - 1516	TAKE - UP LUBRICATION FELT	1
17	23 - 1517	SCREW 9/64 - 40 L=6	1
18	23 - 1518	FELT	1
19	23 - 1519	FELT	1
20	23 - 1533	OIL WICK	0.3
21	25 - 1121	OIL TUBE	0.25
22	25 - 1122	OIL TANK A	1
23	25 - 1123	OIL TANK B	1
24	25 - 1124	FELT	2
25	23 - 1528	SCREW 11/64 - 40 L=9.5	2
26	23 - 1560	OIL WICK	0.2
27	23 - 0473	UPPER FEED STOPPER PLATE (B)	1
28	23 - 0315	SCREW	2
29	23 - 1562	WASHER 4.5□10□0.8	1
30	23 - 1561	OIL WICK HOLDER	1
31	23 - 1565	CLIP CV - 70S	1

12.ACCESSORIES PARTS COMPONENTS



12.FRAME & MISCELLANEOUS COVER COMPONENTS

REF	PART NO.	DESCRIPTION	Qty
1	29 - 2001	OIL RESERVOIR	1
2	23 - 2002	SCREW 15/64 - 28 L=14	1
3	23 - 2003	SCREW 11/64 - 40 L=7.8	1
4	23 - 2004	SCREW 11/64 - 40 L=6.5	1
5	23 - 2005	OIL MANAGEMENT	1
6	23 - 2006	WASHER	1
7	23 - 2007	OIL SEAL	1
8	23 - 2008	OIL CAN	1
9	23 - 2009	SCREW M3□14	4
10	23 - 2010	NUT M3	4
11	23 - 2011	OIL REMOVING SETSCREW PACKING	8
12	23 - 2012	WASHER	4
13	23 - 2013	CUSHION SET NAIL	14
14	23 - 2310	FELT CUSHION	4
15	23 - 2015	BELT COVER C(JE)	1
16	23 - 2016	WOOD SCREW	2
17	23 - 2311	RUBBER CUSHION	4
18	23 - 2018	BELT COVER (RIGHT)	1
19	23 - 2019	BELT COVER AUXILIARY PLATE	1
20	23 - 2020	BELT COVER (LEFT)	1
21	23 - 2021	BELT COVER SUPPORT A	1
22	23 - 2022	SCREW 15/64 - 28 L=30	2
23	20 - 0901	THREAD STANDING DEVICE ASM.	1
24	5 - 0901	ACCESSORY BOX	1
25	5 - 0903	SCREW DRIVER 3.4□70	1
26	23 - 2303	WRENCH 9□10	1
27	23 - 2312	RUBBER SPACER	2
28	23 - 2304	NEW DEFRIX OIL	1
29	23 - 2305	OILER	1
30	5 - 0914	HINGE	2
31		NEEDLE DPX17 # 160 - 2	4
32	23 - 0635	BOBBIN	4
33	5 - 0912	COVER	1