



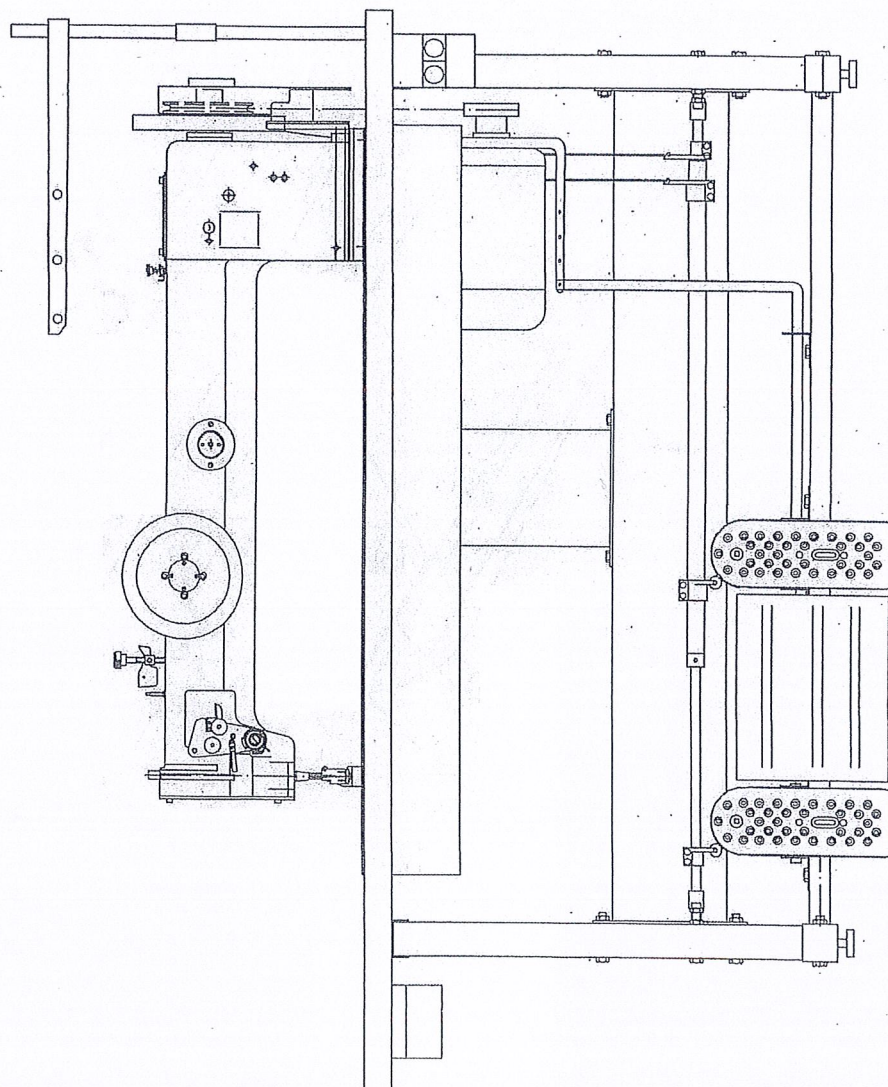
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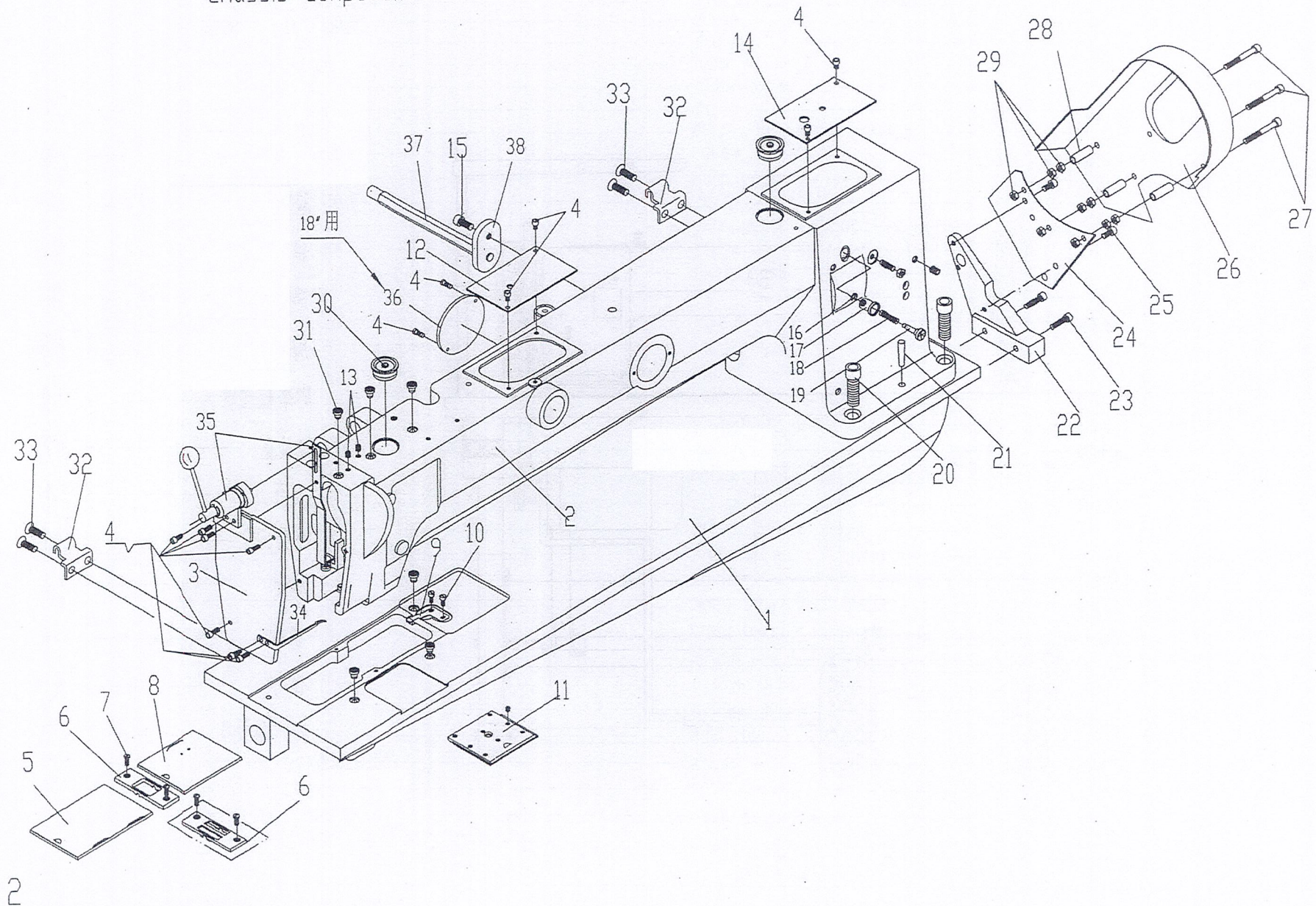
Parts Manual

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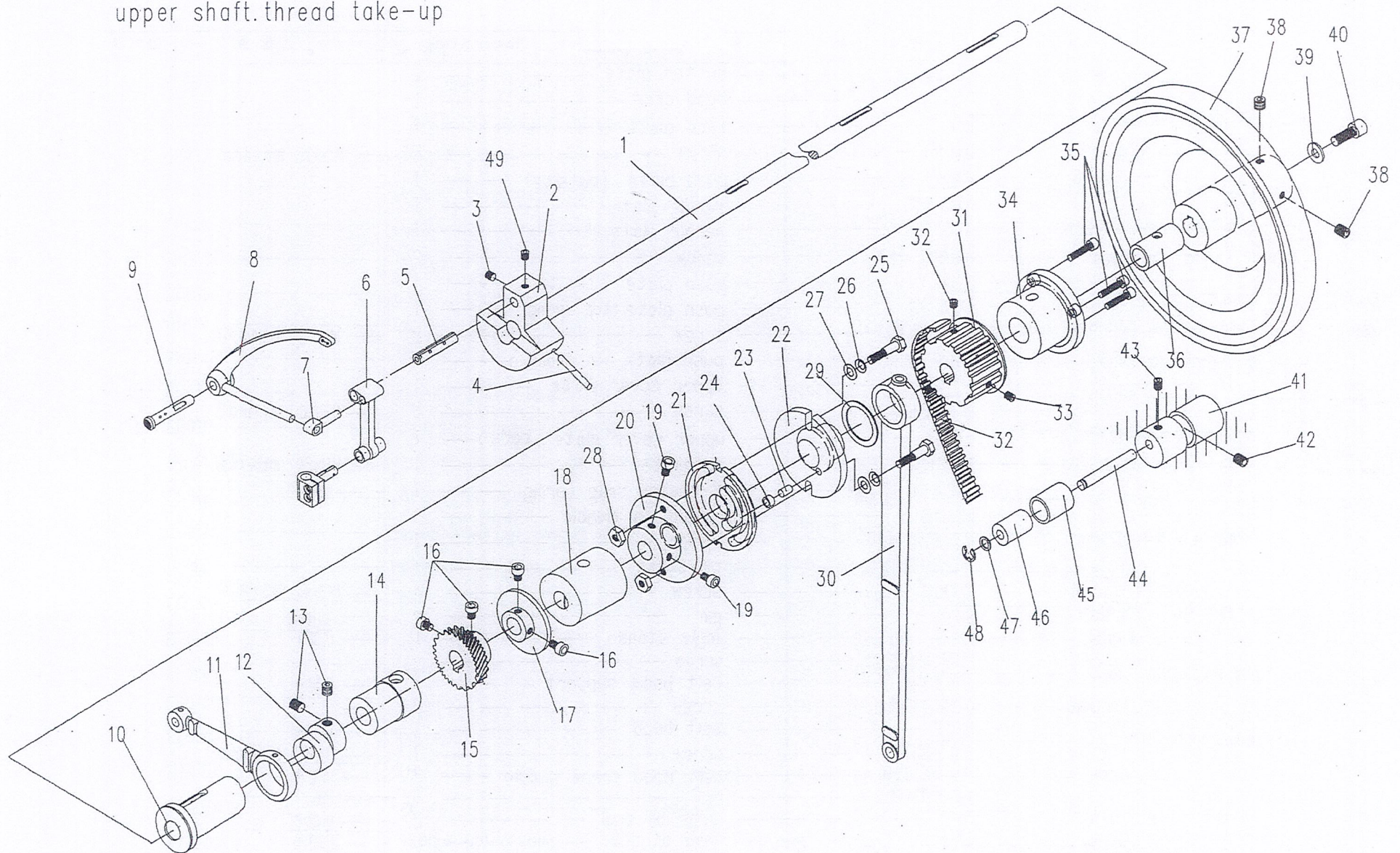
chassis components



— chassis components

		Description		
1	EL0101	bottom plate	1	
2	EL0102	head case	1	
3	EL0103	face plate	1	
4	GS13312	screw	13	M5x12
5	EL0105	push plate (outside)	1	
6	EL0106	needle plate	1	
6	EL0106A	needle plate	1	
7	EL0107	screw	2	
8	EL0108	push plate (inside)	1	
9	EL0109	push plate stop spring	1	
10	GS13212	screw	2	M4x12
11	EL0111	push plate (front)	1	
12	EL0112	upper cover plate	1	
13	GS11410	screw	2	M6x10
14	EL0114	upper cover plate (back)	1	
15	GS13520	screw	1	M8x20
16	E-04	E-shaped snap spring	1	∅4
17	EL0117	regulation thimble	1	
18	EL0118	spring	1	
19	EL0119	pin shaft	1	
20	GS13740	screw	4	M12x40
21	GS105	pin	2	∅8
22	M0110	angle stand	1	
23	GS13416	screw	2	
24	M0111	belt hood support	1	
25	GS13416	screw	2	
26	M0112	belt hood	1	
27	GS13460	screw	3	M6x60
28	G0100	belt hood screw saddle	3	
29	GL204	nut	9	M6
30	GK208	large oil scal	2	
31	GK209A	small oil scal	6	
32	GXR222	hinge2	2	
33	GS17520	screw	4	
34	EL0134	finger controller thread (lower)	1	
35	EL0135	hand uplifting presser assembly	1	204
36	EL0136 (18")	friction wheel window cover plate	1	
37	EL0137	support bar	1	
38	EL0138	support bar connecting plate	1	

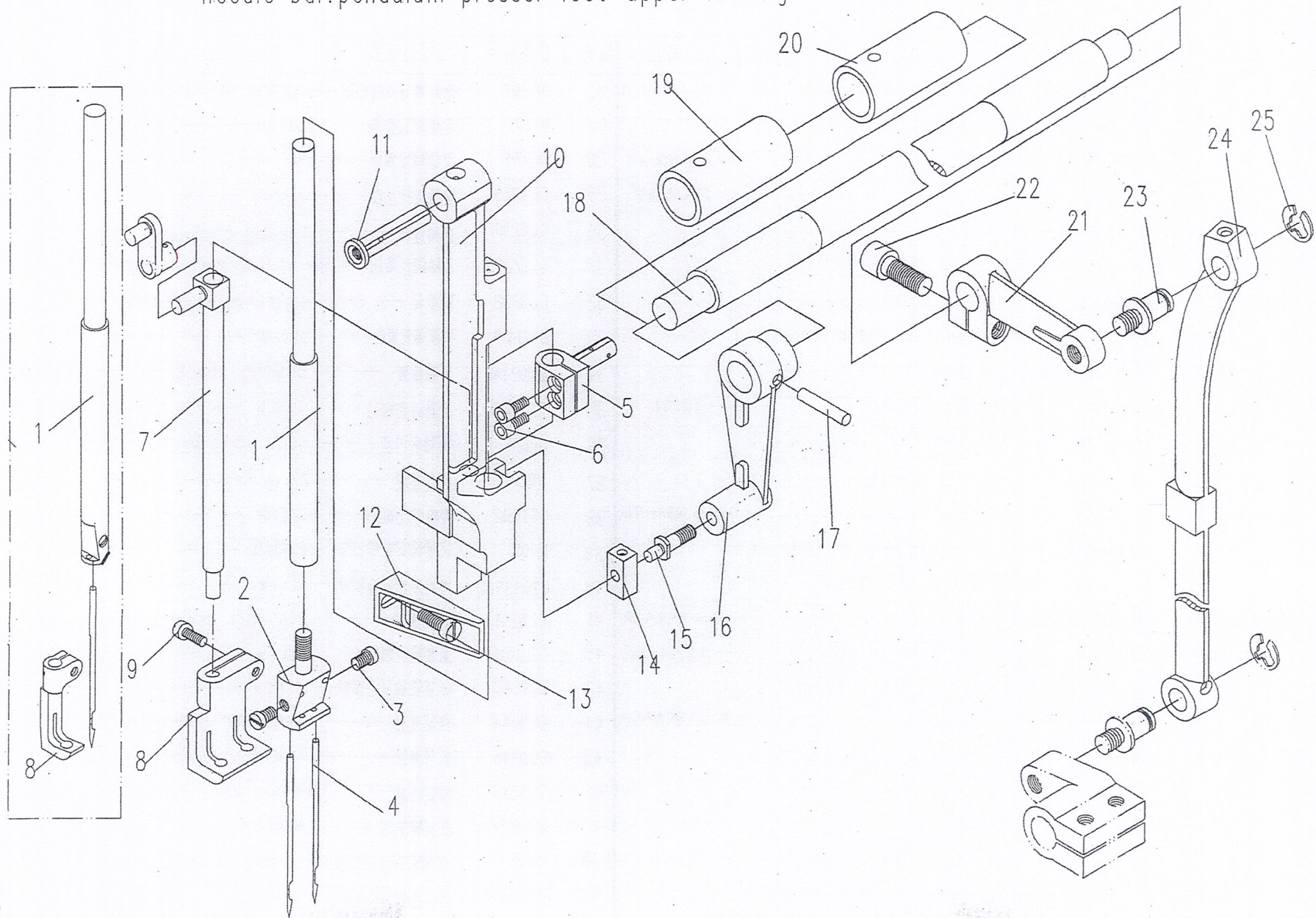
upper shaft.thread take-up



upper shaft.thread take-up

		Description				Description		
1	EL0201	upper shaft	1		26	DR-07	spring washer	2 — $\phi 7$
2	EL0202	needle bar crank	1		27	D-07	washer	2 — $\phi 7$
3	GSX11406	screw	1—M6x0.75x6		28	GL204	nut	2 —15/64x28
4	GX107	pin	1 — $\phi 5 \times 40$		29	EL0229	washer	1
5	EL0205	pin shaft	1		30	EL0230	feeding connecting rod	1
6	EL0206	needle bar small connecting rod	1		31	EL0231	upper shaft synchronization belt pulley	1
7	EL0207	swing shaft	1		32	EL0232	synchronization belt	1
8	EL0208	thread take-up lever	1		33	GS11410	screw	2—M6x10
9	EL0209	pin shaft	1		34	EL0234	bushing (back)	1
10	G0109	bushing (front)	1 — 204		35	GS13320	screw	3—M5x20
11	EL0211	lifting pressing foot connecting rod	1		36	G0124	back insite bushing	1 —
12	EL0212	eccentric wheel	1		37	M0207	big pulley	1 —
13	GSX11508	screw	2—M8x1x8		38	GS11512	screw	1—M8x12
14	EL0214	center bushing (front)	1		39	D-08	washer	1
15	EL0215	driven large pinion	1		40	GSX13520	screw	1—M8x1x20
16	GS13410	screw	2—M6x10		41	EL0241	tensioner pulley seat	1
17	GP112	driving friction wheel	1 — 204-762		42	GS11516	screw	1—M8x16
18	EL0218	center bushing (Back)	1		43	EL0243	screw	1—1/4x40
19	GS13414	screw	2—M6x14		44	EL0244	tensioner pulley shaft	1
20	EL0220	feeding cam locating seat	1		45	EL0245	tensioner pulley	1
21	EL0221	feeding cam locating dist	1		46	EL0246	tensioner pulley outside set	1
22	EL0222	feeding cam	1		47	EL0247	washer	1
23	EL0223	feeding cam locating shaft	1		48	E-07	E-shaped snap spring	1 — $\phi 7$
24	EL0224	positioning thimble	1		49	GSX10404	screw	1—M6x0.75x4
25	EL0225	screw	2					

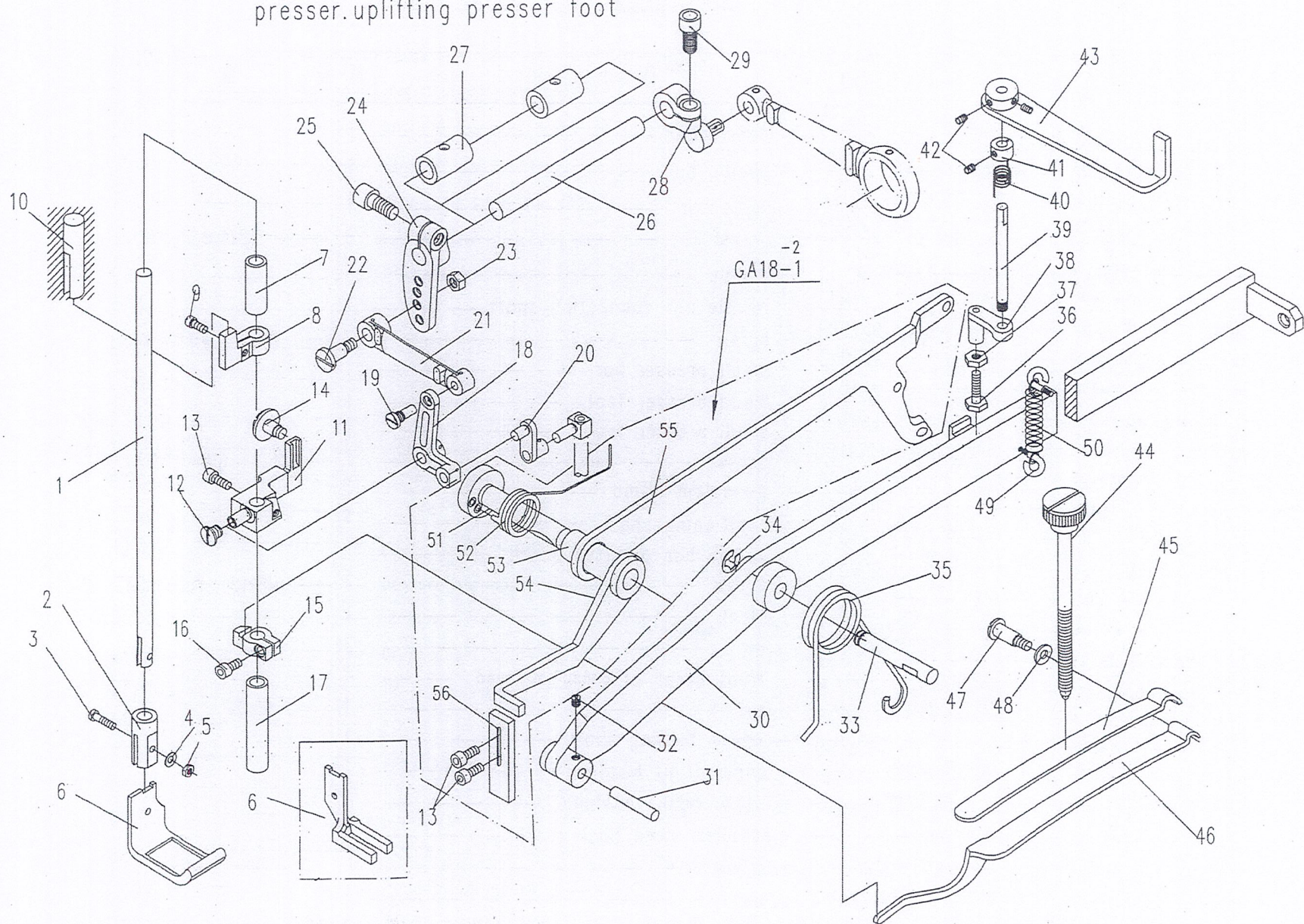
needle bar.pendulum presser foot upper feeding



needle bar.pendulum presser foot.upper feeding

		Description		
1	EL0301	needle bar	1	
1	EL0301A	needle bar	1	
2	EL0302	needle clip	1	
3	EL0303	screw	2	3/16x32
4	DY23	needle	2	
5	EL0305	needle bar connecting shaft	1	
6	GS13208	screw	2	M4x8
7	EL0307	small presser bar	1	
8	EL0308	small presser foot	1	
8	EL0308A	small presser foot	1	
9	EL0309	screw	1	11/64x40
10	EL0310	pendulum stand	1	
11	EL0311	positioning shaft	1	
12	EL0312	needle bar oriented board	1	
13	GS12312	screw	1	M5x12
14	EL0314	block	1	
15	EL0315	pin	1	
16	EL0316	front crank of pendulum stand	1	
17	X-0522	pin	1	Ø5x22
18	EL0318	upper feeding shaft	1	
19	EL0319	upper front bushing	1	
20	EL0320	upper bask bushing	1	
21	EL0321	pendulum stand bask crank	1	
22	GS13518	screw	1	M8x18
23	EL0323	pin	1	
24	EL0324	upper feeding big connecting rod	1	
25	E-08	E-shaped snap spring	1	(Ø8)

presser.uplifting presser foot

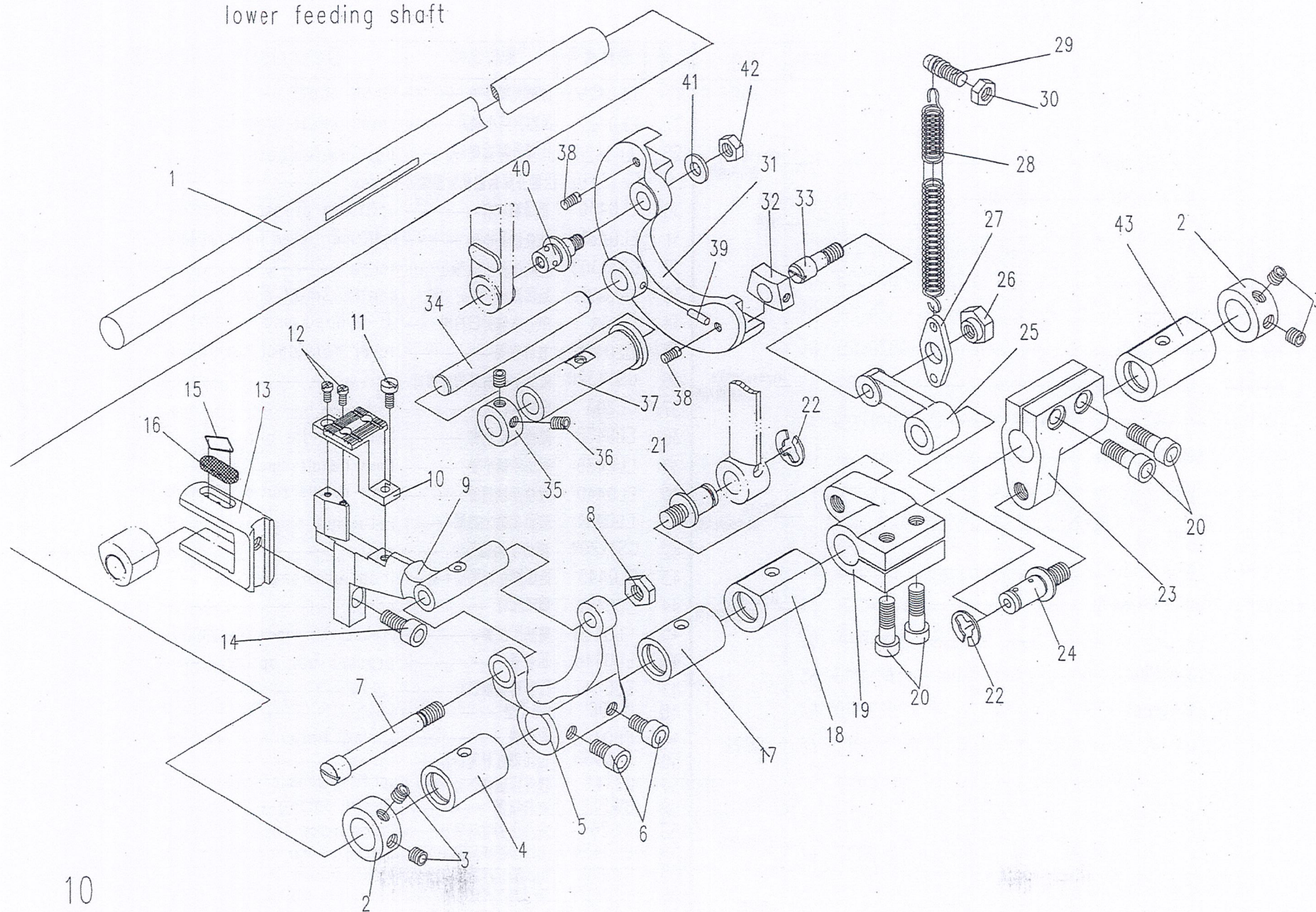


presser.uplifting presser foot

		Description					Description		
1	EL0401	large presser bar	1		26	EL0426	small shaft	1	
2	EL0402	Connecting sleeve	1		27	EL0427	small shaft bushing	1	
3	GS13218	screw	1	M4x18	28	EL0428	bar crank (back)	1	
4	GK212	washing	1	ø4	29	GS13516	screw	1	M8x16
5	GL202	nut	1	M4	30	EL0430	uplifting presser lever	1	
6	EL0406	large presser foot	1		31	EL0431	uplifting lever small shaft	1	
6	EL0406A	large presser foot	1		32	GS11305	screw	1	M5x5
7	EL0407	upper bushing	1		33	EL0433	centre small shaft	1	
8	EL0408	presser bar guide block	1		34	E-08	E-shaped snap spring	1	(ø8)
9	EL0409	screw	1	11/64x40	35	EL0435	lever torsional spring	1	
10	EL0410	presser bar guide bushing	1		36	GS14320	screw	1	M5x20
11	EL0411	lifting guide stand	1		37	GL203	nut	1	M5
12	EL0412	screw	1		38	EL0438	limit handle arm	1	
13	GS13316	screw	1	M5x16	39	EL0439	limit handle small shaft	1	
14	EL0414	screw	1		40	EL0440	limit handle torsional spring	1	
15	EL0415	spring base	1		41	EL0441	retaining ring	1	
16	GS13310	screw	1	M5x10	42	GS11204	screw	3	M4x4
17	EL0417	lower bushing	1		43	EL0443	location handle	1	
18	EL0418	presser lifting rocker arm	1		44	EL0444	screw	1	
19	EL0419	screw	1		45	EL0445	presser bar spring (auxiliary)	1	
20	GU111	pendulum presser lifting small link	1	204	46	EL0446	presser bar spring	1	
21	EL0421	front crank connecting rod	1		47	EL0447	screw	1	
22	EL0422	pin	1		48	D-06	washer	1	
23	EL0423	nut	1	1/4x40	49	EL0449	spring finger	2	
24	EL0424	presser lifting front crank	1		50	EL0450	spring	1	
25	GS13518	screw	1	M8x18	51	GZ141	uplifting presser lever shaft	1	18"
					52	GW212	torsion spring	1	18"
					53	GK264	uplifting presser lever shaft thimble	1	18"
					54	EL0454	uplifting presser lever (front)	1	18"
					55	GK222	uplifting presser lever (back)	1	18"
					56	EL0456	location plate	1	18"
					57	GS13312	screw	2	18"

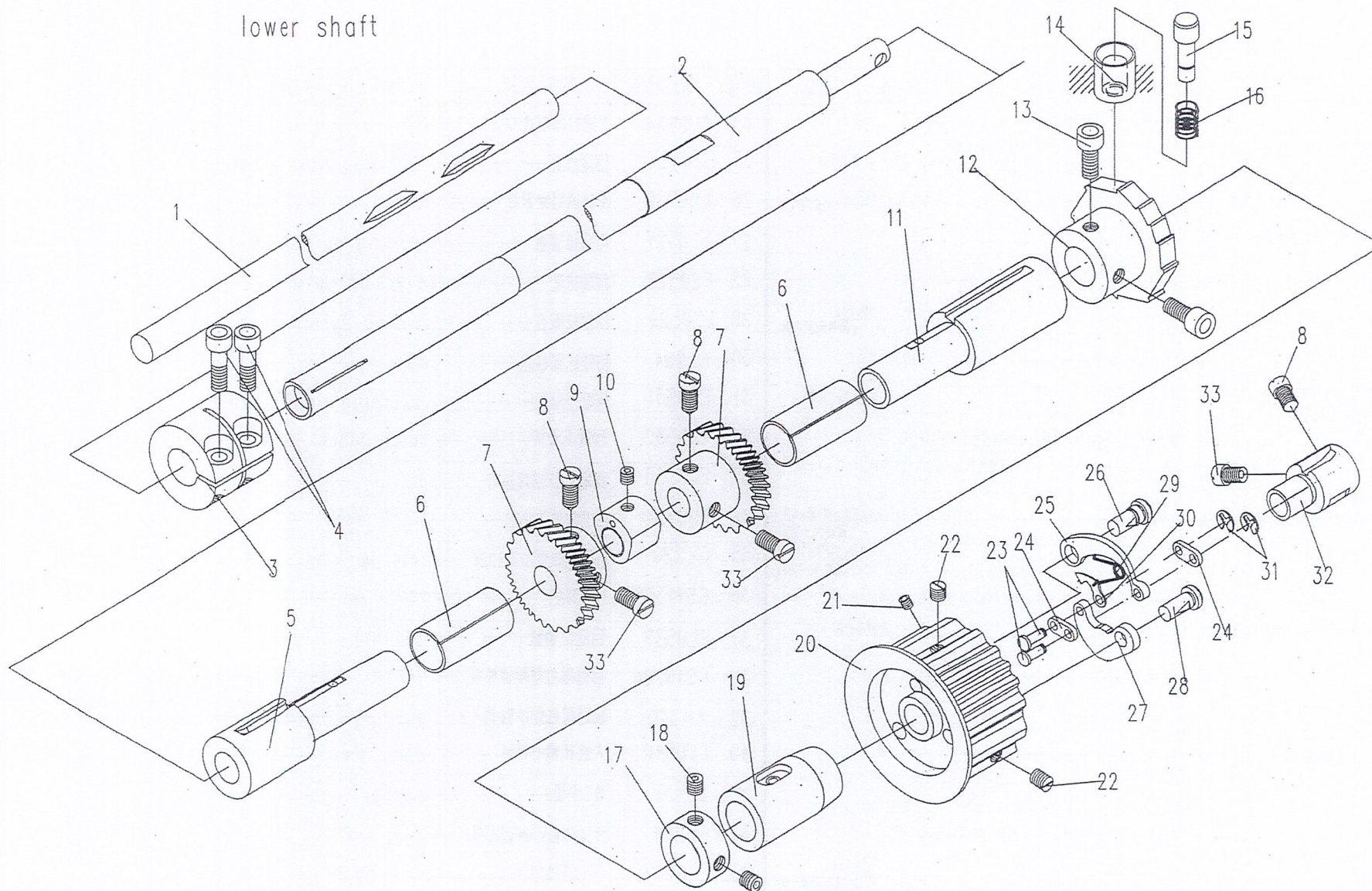
M5x12

lower feeding shaft



lower feeding shaft

		Description				Description		
1	EL0501	— feeding shaft —	1		24	EL0524	— pin —	1
2	GK255	— retaining ring —	2 — (204)		25	EL0525	— reversing link —	1
3	GS11406	— screw —	4 — <u>M6x6</u>		26	EL0526	— nut —	1 — 15/64x28
4	EL0504	— front bushing —	1		27	EL0527	— reversing spring plate —	1
5	EL0505	— feed dog shelf block —	1		28	EL0528	— reversing spring —	1
6	GS13412	— screw —	1 — <u>M6x12</u>		29	EL0529	— reversing spring stud —	1
7	EL0507	— small shaft —	1		30	GL204	— nut —	1 — M6
8	EL0508	— nut —	1 — 9/32x28		31	EL0531	— reversing limit seat —	1
9	EL0509	— feed dog shelf —	1		32	EL0532	— small block —	1
10	EL0510	— feed dog —	1		33	EL0533	— pin —	1
11	EL0511	— screw —	1 — 9/64x40		34	EL0534	— small shaft —	1
12	EL0512	— screw —	2 — 1/8x40		35	GK220	— retaining ring —	1 — (204)
13	EL0513	— lifting dog feeth fork —	1		36	GS11305	— screw —	2 — <u>M5x5</u>
14	GS13416	— screw —	1 — <u>M6x16</u>		37	EL0537	— bushing —	1
15	EL0515	— snap spring —	1		38	GS10206	— screw —	2 — <u>M4x6</u>
16	EL0516	— oil felt —	1		39	X-320	— pin —	1 — $\phi 3 \times 20$
17	EL0517	— median bushing (left) —	1		40	EL0540	— cam pin —	1
18	EL0518	— median bushing (right) —	1		41	D-06	— washer —	1
19	EL0519	— upper feeding bar crank —	1		42	GL204	— nut —	1 — M6
20	GS13416	— screw —	4 — <u>M6x16</u>		43	EL0543	— back bushing —	1
21	EL0521	— pin —	1					
22	E-08	— E-shaped snap spring —	2 — ($\phi 8$)					
23	EL0523	— lower feeding bar crank —	1					

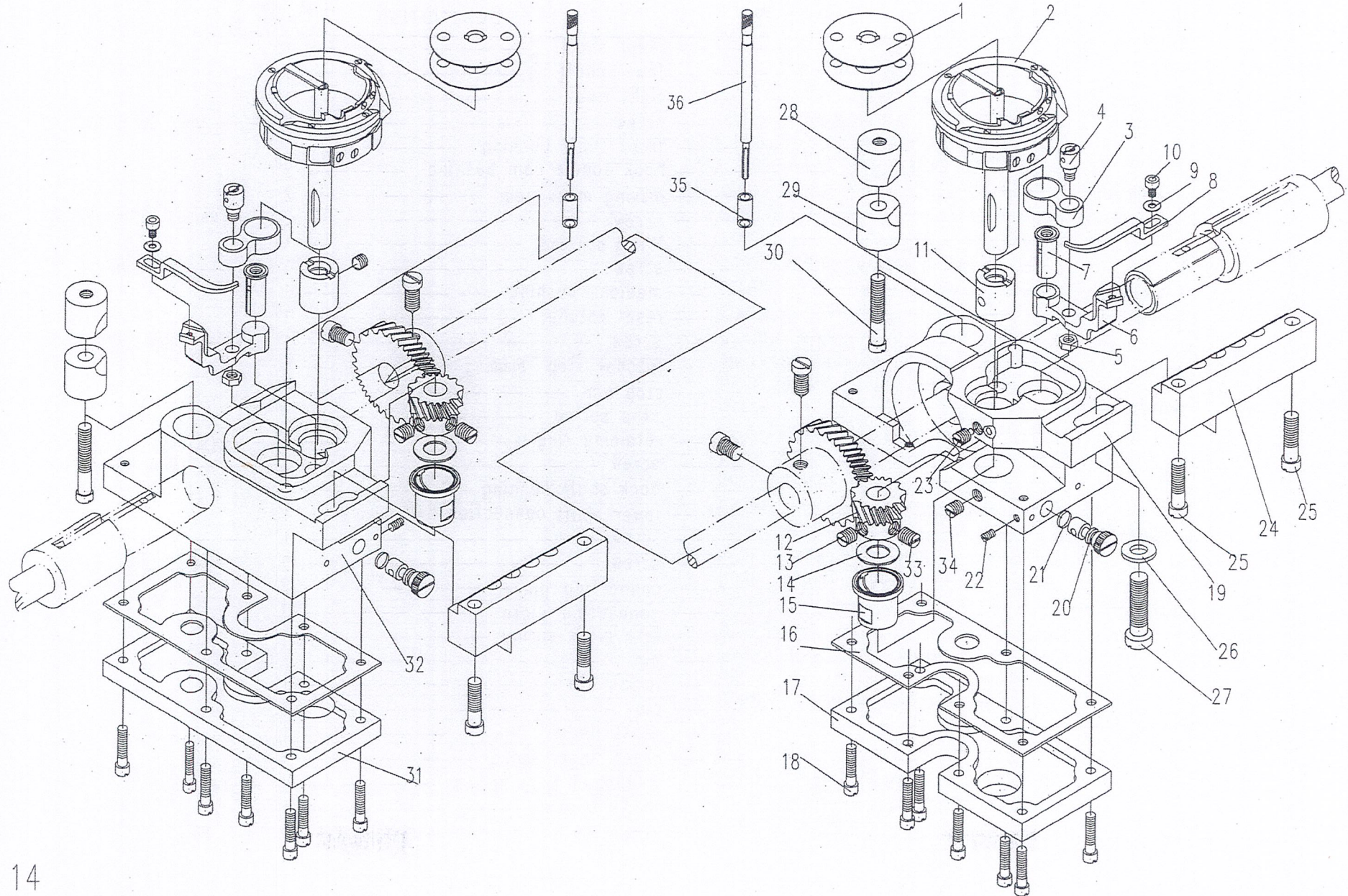


lower shaft

			Description		
1	EL0601		lower shaft I	1	
2	EL0602		lower shaft II	1	
3	EL0603		tight ring	1	
4	GS13416		screw	2	M6x16
5	EL0605		front shaft bushing	1	
6	EL0606		hook saddle cam bushing	2	
7	EL0607		driving mass gear	2	
8	EL0608		screw	2	M6x0.75
9	EL0609		lifting dog cam	1	
10	GS11305		screw	1	M5x5
11	EL0611		median bushing	1	
12	EL0612		reset ratchet	1	
13	GS11406		screw	1	M6x6
14	EL0614		ratchet stop bushing	1	
15	EL0615		stop pin	1	
16	EL0616		stop spring	1	
17	GK255		retaining ring	1	(204)
18	GS11406		screw	2	M6x6
19	EL0619		back shaft bushing	1	
20	EL0620		lower shaft connection belt pulley	1	
21	GS11204		screw	1	M4x4
22	EL0622		screw	2	3/16x32 3/16x32
23	EL0623		connecting pin	2	
24	EL0624		connecting plate	2	
25	EL0625		lock plate spring	1	
26	EL0626		pin	1	
27	EL0627		lock plate	1	
28	EL0628		pin	1	
29	EL0629		reset finger	1	
30	EL0630		reset finger spring	1	
31	E-03		E-shaped snap spring	2	(ø3)
32	EL0632		insite bushing	1	
33	EL0633		screw	2	M6x0.75

hook saddle (left).

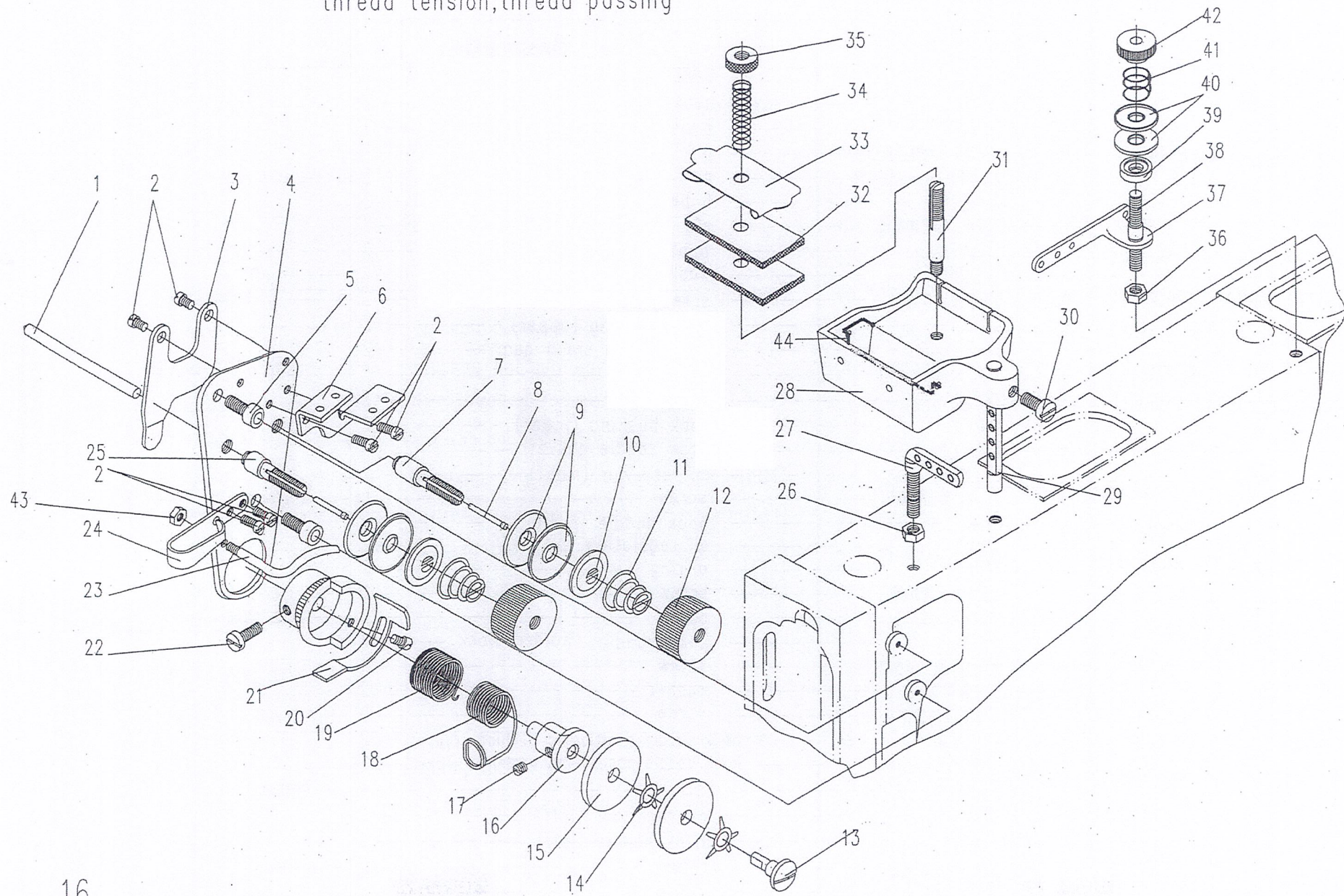
hook saddle (right)



left,right hook saddle

			Description		
1	EL0701		bobbin	2	
2	EL0702		hook complete	2	
3	EL0703		bobbin case limit link	2	
4	EL0704		pin	2	
5	EL0705		nut	2	11/64x40
6	EL0706		bobbin case limit block	2	
7	EL0707		pin	2	
8	EL0708		bobbin case limit plate	2	
9	GK211		washer	2	(ø3)
10	GS13108		screw	2	M3x8
11	EL0711		hook bushing (upper)	2	
12	EL0712		hook driven small gear	2	
13	EL0713		screw	2	M6x0.75
14	EL0714		washer	2	
15	EL0715		hook bushing (lower)	2	
16	EL0716		hook saddle gasket	2	
17	EL0717		oil reservoir (right)	1	
18	EL0718		screw	14	9/64x40
19	EL0719		hook saddle (right)	1	
20	EL0720		oil regulating rod	2	
21	EL0721		o-ring	2	
22	EL0722		screw	2	1/8x40
23	EL0723		screw	2	7/32x32
24	EL0724		hook saddle holder block	2	
25	EL0725		screw	4	7/32x32
26	D-06		washer	2	
27	EL0727		screw	2	9/32x28
28	EL0728		hook saddle positioning bushing (upper)	2	
29	EL0729		hook saddle positioning bushing (lower)	2	
30	EL0730		screw	4	7/32x32
31	EL0731		oil reservoir (left)	1	
32	EL0732		hook saddle (left)	1	
33	EL0733		screw	2	M6x0.75
34	EL0734		screw	2	7/32x32
35	EL0735		oil gauge guide	2	
36	EL0736		oil gauge	2	

thread tension, thread passing



thread tension, thread passing

		Description				Description		
1	EL0801	thread releasing rod	1		24	EL0824	finger controller thread (middle)	1
2	EL0802	screw	6	9/64x40	25	EL0825	tension screw (short)	1
3	EL0803	thread releasing plate 1	1		26	GL203	passing bolt nut	1 — M5
4	EL0804	location plate	1		27	EL0827	passing bolt	1
5	GS13312	screw	2	M5x12	28	EL0828	lubricating-oil cup	1
6	EL0806	thread drawing rack	1		29	EL0829	locating bar	1
7	EL0807	screw (long)	1		30	GS13310	screw	1 — M5x10
8	EL0808	loosen bolt	2		31	EL0831	oil pad screw	1
9	GK231	tension plate	4	(204)	32	EL0832	oil pad	2
10	GK232	thread releasing plate	2	(204)	33	EL0833	presser oil pad plate	1
11	GW115	thread tension spring	2	(204)	34	EL0834	spring	1
12	GL204	tension nut	2	(204)	35	GL103	nut	1 — (204)
13	EL0813	thread passing wheel bolt	1		36	GL203	nut	1 — M5
14	EL0814	pentagon spring tablet	2		37	EL0837	tension thread stand	1
15	EL0815	thread passing wheel	2		38	EL0838	tension thread stud	1
16	EL0816	thread passing seat	1		39	EL0839	nylon washer	1
17	EL0817	screw	1	11/64x40	40	EL0840	tension thread plate	2
18	EL0818	thread take-up spring	1		41	EL0841	spring	1
19	EL0819	thread take-up torsion spring	1		42	EL0842	nut	1
20	EL0820	screw	1	9/64x40	43	EL0843	nut	1 — 9/64x40
21	EL0821	limit spring stop	1		44	EL0844	oil cup presser thread spring	1
22	EL0822	screw	1	11/64x40				
23	EL0823	controller thread bolt	1					

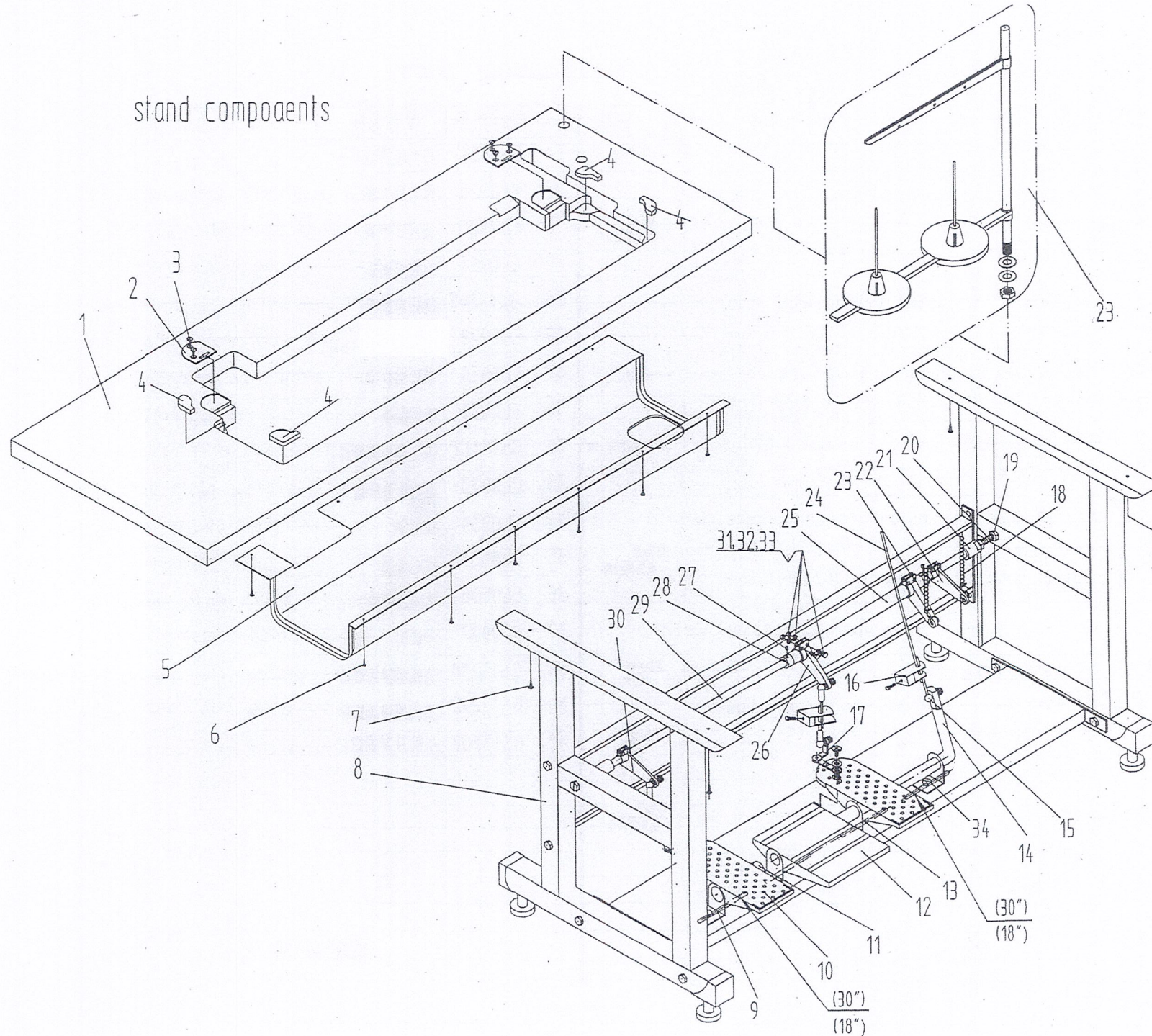
hand wheel, built-in thread coiling guard



hand wheel,built-in thread coiling guard

		Description					Description		
1	GL206	lock nut	2	M10x1	24	EL0924	presser plate shaft	1	
2	EL0902	driving small gear	1		25	EL0925	presser plate small bushing	1	
3	GS11305	screw	2	M5x5	26	EL0926	thread coiling presser plate	1	
4	EL0904	washer	1		27	EL0927	thread coiling controller plate	1	
5	EL0905	hand pulley shaft	1		28	GS11305	screw	1	M5x5
6	EL0906	hand pulley disengaging bushing	1		29	EL0929	thread coiling controller plate seat	1	
7	X-522	pin	1	ø5x22	30	EL0930	full reel springboard shaft	1	
8	EL0908	hand pulley bushing	1		31	EL0931	full reel springboard	1	
9	EL0909	screw	1	17/64x28	32	GS13112	regulate screw	1	M3x12
10	EL0910	hand pulley disengaging spring	3		33	EL0933	presser plate base dial	1	
11	EL0911	pin	3		34	EL0934	bobbin shaft	1	
12	GS11305	screw	2	M5x5	35	EL0935	bobbin shaft spring	1	
13	EL0913	centring bushing	1		36	EL0936	bobbin winder connecting dial	1	
14	EL0914	hand pulley	1		37	EL0937	small scissors	1	
15	GS17414	screw	4	M6x14	38	GS17218	screw	2	M4x18
16	EL0916	hand pulley disengaging tablet	1		39	GS17212	screw	2	M4x12
17	GS17110	screw	4	M3x10	40	GS13208	screw	1	M4x8
18	EL0918	rubber ring	1						
19	GS11306	screw	1	M5x6					
20	EL0920	driven friction wheel	1						
21	EL0921	thread coiling presser plate seat	1						
22	EL0922	presser spring 2	1						
23	EL0923	presser spring 1	1						

stand components



		Description		
1	EL1001	table	1	
2	GKR200	hinge	2	(204)
3	GBS115	screw	5	(204)
4	EL1004	rubber cushion	4	
5	EL1005(30")	oil pan	1	
5	EL1005(18")	oil pan	1	
6	GBS112	screw	12	(204)
7	GBS114	screw	4	(204)
8	EL1008	stand	1	
9	GKR184	foot step axle seat	2	(204)
10	GKR111	small pedal	2	(204)
11	EL1011	foot step axle seat B	2	(204)
12	EL1012	large pedal	1	M6x6
13	EL1013	large pedal axle seat	1	
14	EL1014	clutch shaft	1	
15	GXC222	electromaznetic lower rod clutch motor	3	(204)
16	GKR183	rod adjusting device	3	(204)
17	EL1017	small pedal connecting rod	1	M6x6
18	GKR209	zipper	1	(204)
19	GKR112	put	4	M12
20	GKR118	support screw	2	M12x100
21	GKR183	adjusting thimble	2	
22	EL1022	smal hole driven connecting red	1	30",18"
23	EL1023	large hole driven connecting red	1	30",18"
24	GXC118	electromaznetic upper rod clutch motor	3	
25	EL1025	6" tube	1	30",18"
26	EL1026	large hole driving connecting red	1	
27	GS11406	screw	2	
28	EL1028	retaining ring	2	
29	EL1029	4" tube	1	30",18"
30	EL1030	smal hole driving connecting red	1	
31	GL204	put	8	M6
32	D-06	washer	8	ø6
33	GS13425	screw	8	M6x25
34	M1014	thread stand	1	
35	GS14515	screw	7	M8x15