

SUNSHINE[®]

Industrial Sewing Machines.

MODEL 1100 SERIES

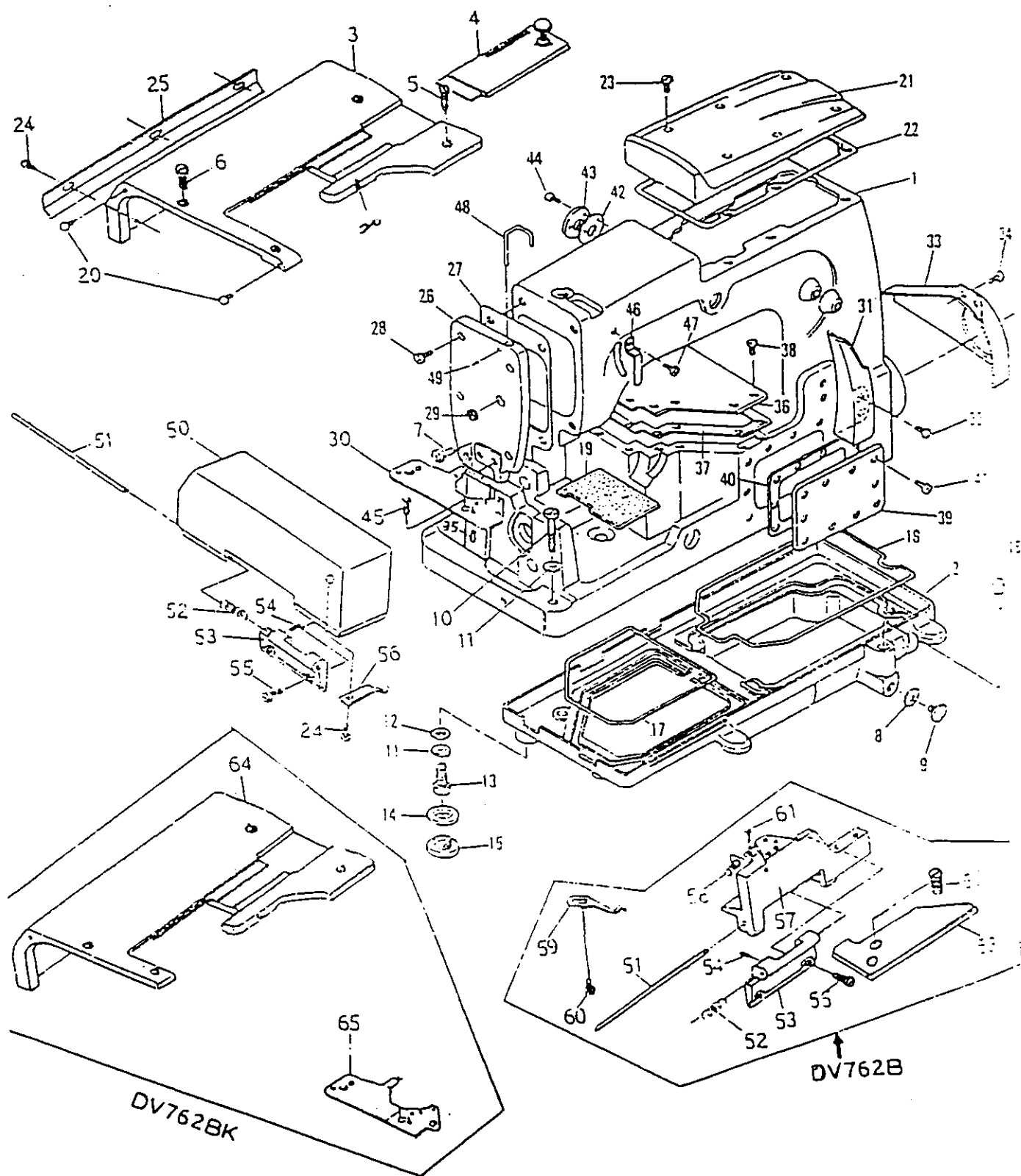
PARTS BOOK

**MOD. 1102BL
1112BLF**

Contents

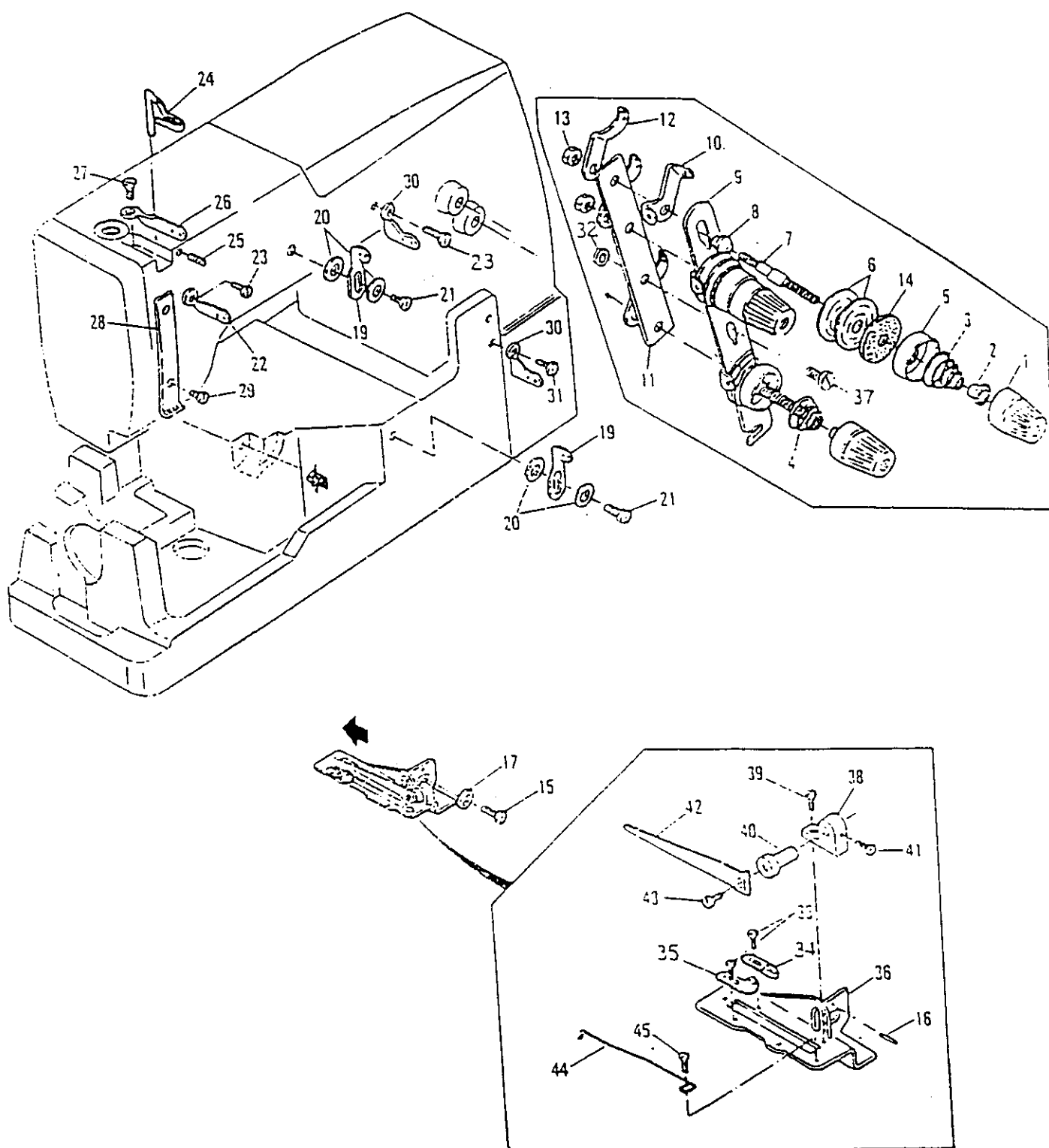
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1. Housing components.



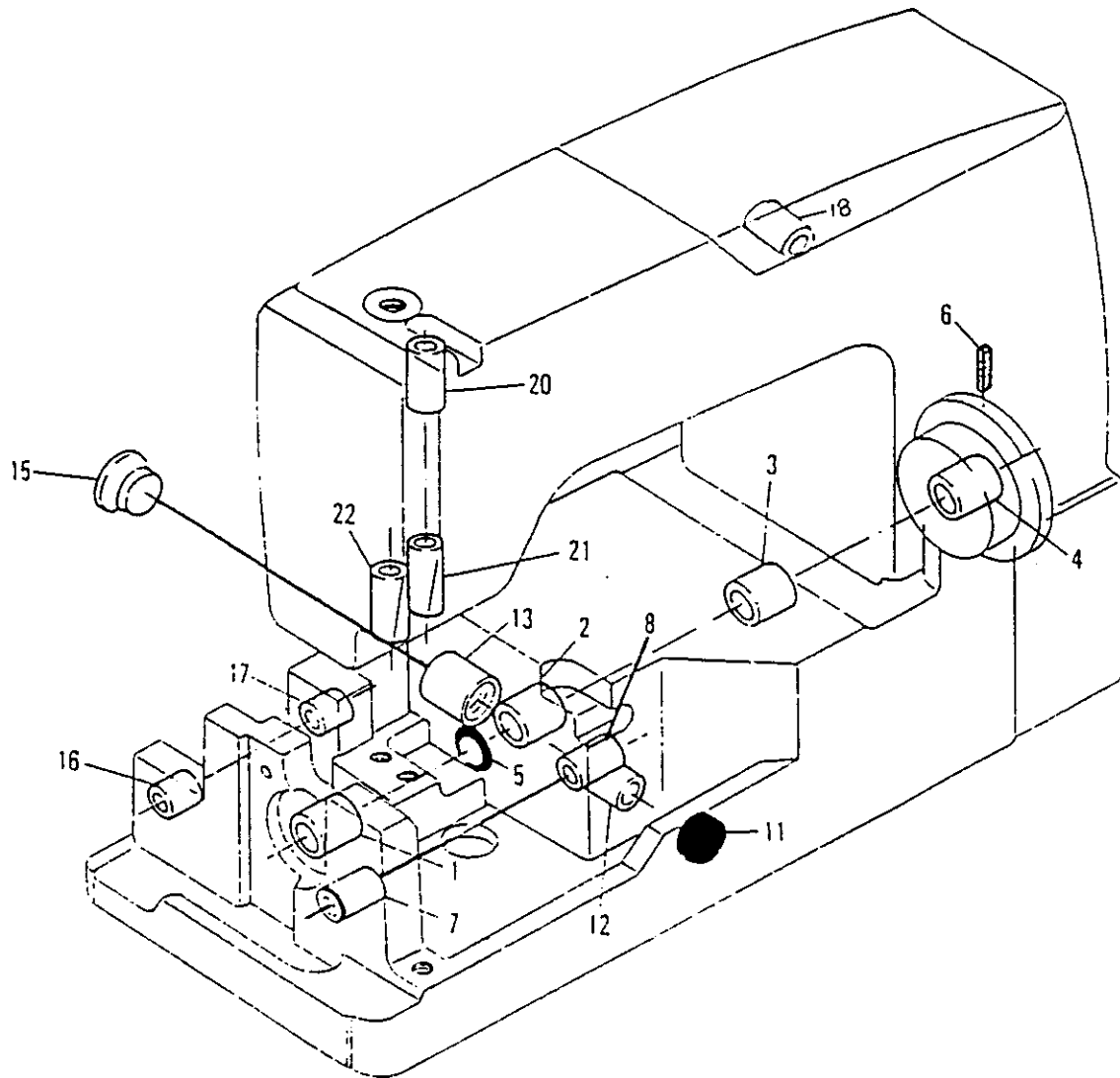
Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	K60101	Arm bed standard.....	1	33	B60133	Pulley cover.....	1
2	B60102	Oil reservoir.....	1	34	B60123	Screw.....	3
3	W80102	Upper cloth plate.....	1	35	B60161	Knock pin.....	2
4	W80104	Slide plate.....	1	36	B60136	Oil reservoir top cover.....	1
5	B60157	Screw.....	2	37	B60137	Upper oil cover gasket.....	1
6	B60158	Screw.....	2	38	B60138	Screw.....	7
7	B60107	Screw.....	2	39	B60139	Front oil cover.....	1
8	B60108	Gasket.....	1	40	B60140	Front oil cover gasket.....	1
9	B60109	Screw.....	1	41	B60141	Screw.....	3
10	B60110	Screw.....	2	42	B60142	Oil seal plate gasket.....	1
11	B60111	Oil reservoir washer.....	6	43	B60143	Oil seal plate.....	1
12	B60112	Seal gasket.....	4	44	B60144	Screw.....	3
13	B60113	Screw.....	4	45	B60160	Screw.....	2
14	B60114	Gasket.....	4	46	B60146	Needle bar eyelet safety plate.....	1
15	B60115	Screw.....	4	47	B60132	Screw.....	1
16	B60116	Oil gauge.....	1	48	B60148	Needle bar eyelet safety bar.....	1
17	B60117	Oil reservoir.....	1	49	B60149	Screw.....	1
18	B60118	Oil reservoir.....	1	50	W80108	Side cover.....	1
19	B60119	Oil filter.....	1	51	W80150	Hinge lever.....	2
20	W80147			52	W80149	Spring.....	2
21	B60121	Crank chamber oil cover.....	1	53	W80109	Hinge.....	2
22	B60122	Crank chamber oil cover gasket.....	1	54	B80744	Screw.....	4
23	B60123	Screw.....	6	55	B60123	Screw.....	4
24	B60123	Screw.....	3	56	W80110	Side cover spring.....	1
25	W80103	Supporting cover.....	1	57	W80112	Ruler holder.....	1
26	B60126	Head cover.....	1	58	W80117	Latch pin.....	1
27	B60127	Head cover gasket.....	1	59	W80134	Ruler holder spring.....	1
28	B60123	Screw.....	5	60	B80157	Screw.....	2
29	B60129	Head cover oil seal cap.....	1	61	B60229	Screw.....	1
30	K60165	Needle plate support.....	1	62	B60551	Screw.....	2
31	B60131	Tension disc cover.....	1	63	P30117	Ruler plate.....	1
32	B60132	Screw.....	2	64	K60164	Upper cloth plate (BK).....	1
				65	K60165	Needle plate support (BK).....	1

2. Thread eyelet components



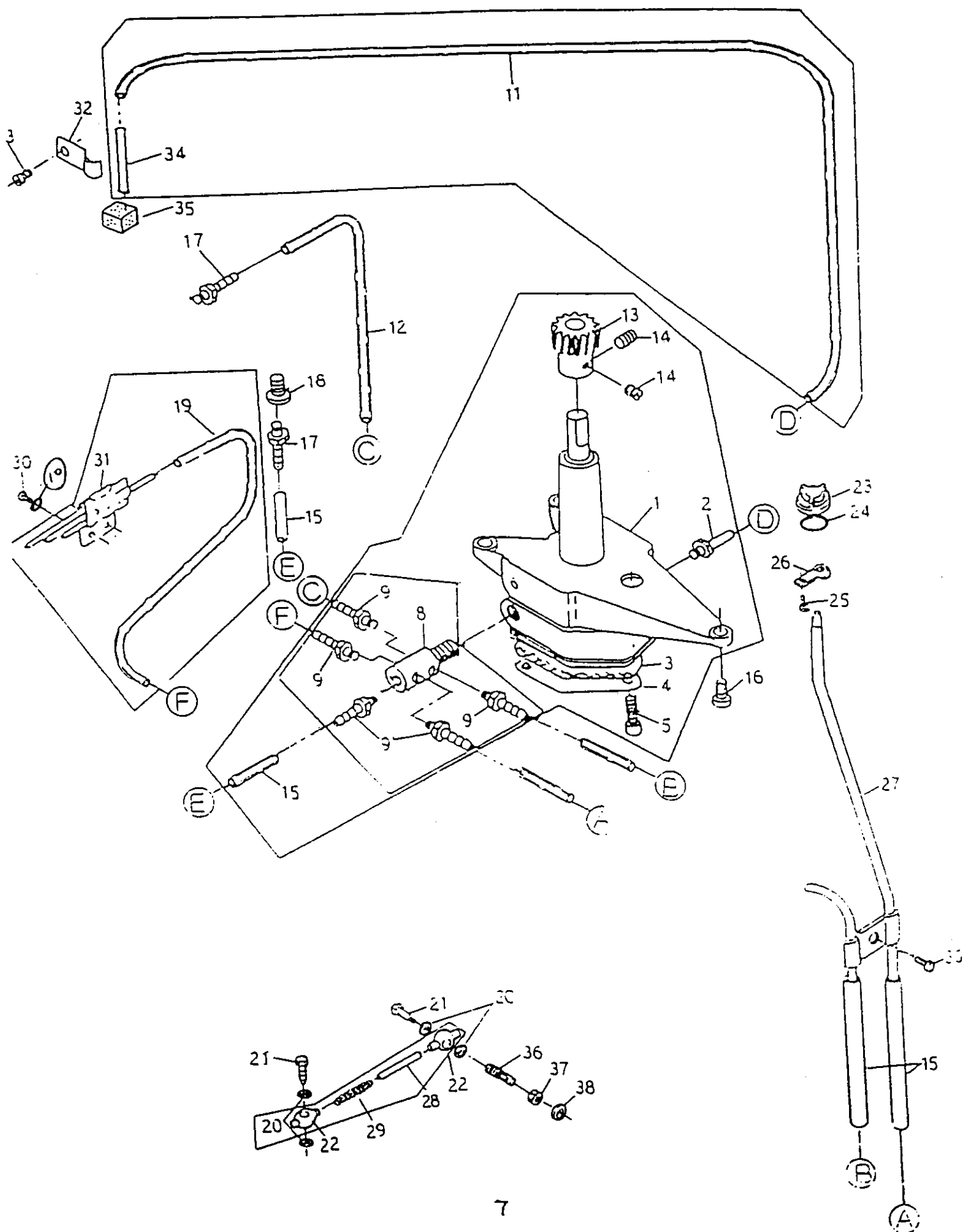
Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	860201	Tension regulating nut.....	3	24	860236	Needle thread take-up wire.....	1
2	860202	Tension disc retainer.....	3	25	860225	Screw.....	1
3	860203	Needle thread tension spring.....	2	26	860226	Needle bar thread eyelet 2.....	1
4	860204	Looper thread tension spring.....	1	27	860132	Screw.....	1
5	860205	Tension disc cover.....	3	28	860228	Needle thread guide 3.....	1
6	860206	Tension disc.....	6	29	860229	Screw.....	2
7	860207	Tension post.....	3	30	860230 (2P)	Looper thread eyelet 1.....	2
8	860208	Tension post collar.....	3	31	860231	Screw.....	1
9	860209	Tension post support.....	1	32	860111	Washer.....	1
10	860210	Tension post thread eyelet.....	3	33	860233	Screw.....	2
11	860211	Tension post holder.....	1	34	860234	Looper thread guide eyelet (right) 1	1
12	860212	Lead in thread eyelet.....	3	35	860235	Looper thread guide eyelet (left) 1	1
13	860213	Nut.....	2	36	860236	Cast-off support plate.....	1
14	860214	Felt.....	3	37	861333	Screw.....	1
15	860107	Screw.....	1	38	860238	Retainer support bracket.....	1
16	860216	Pin.....	2	39	860239	Screw.....	1
17	860217	Washer.....	1	40	860240	Pin for looper thread retainer.....	1
18				41	860241	Screw.....	1
19	860219 (2P)	Needle thread eyelet 1.....	2	42	860242	Looper thread retainer.....	1
20	860105	Washer.....	4	43	860132	Screw.....	1
21	860123	Screw.....	2	44	860244	Looper thread cast-off pin.....	1
22	860222	Needle lever thread eyelet 2.....	1	45	860233	Screw.....	1
23	860132	Screw.....	2				

3. Bushings



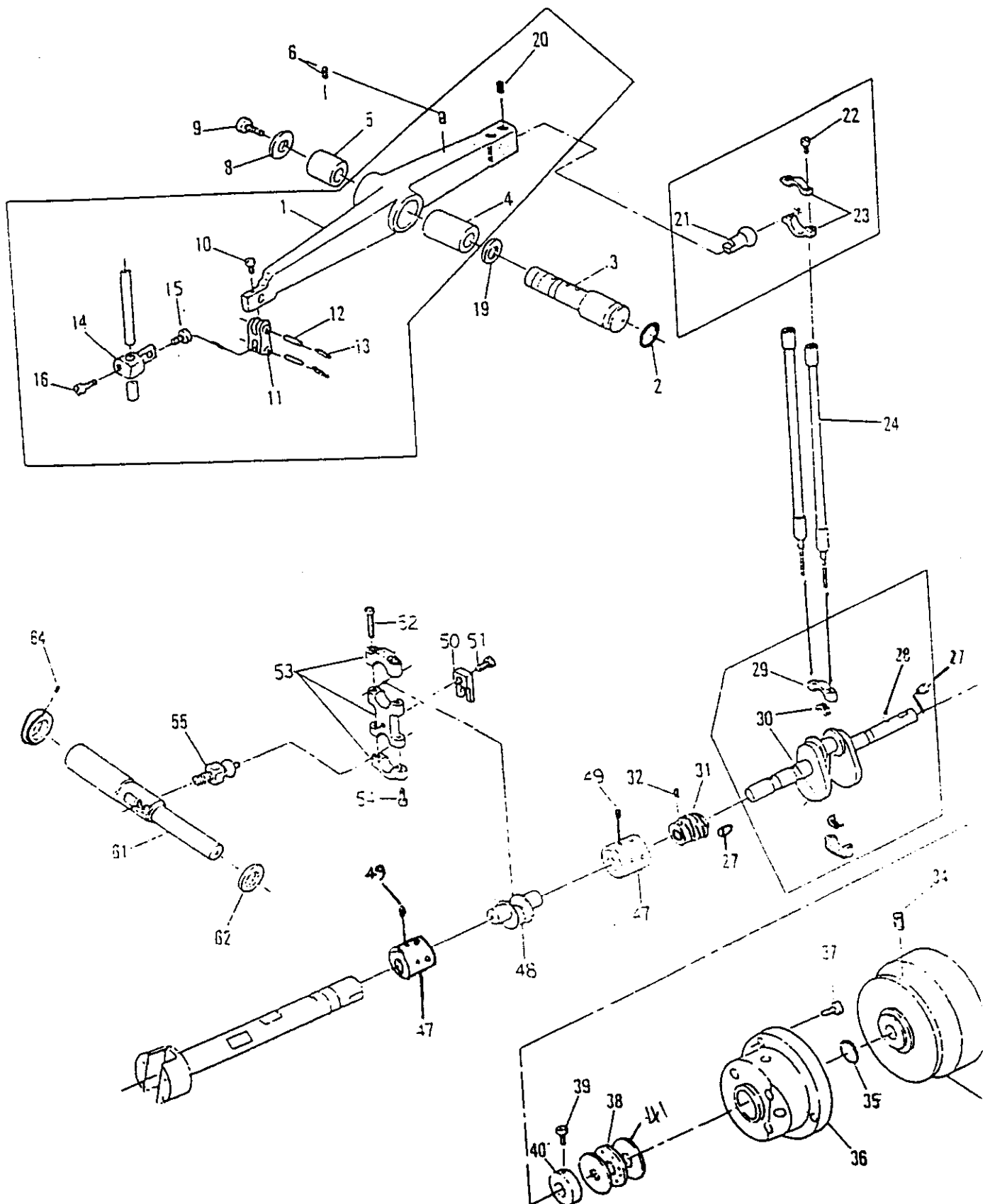
Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	860301	Main shaft bushing.....	1	17	860317	Feed rocker shaft bushing.....	1
2	860302	Main shaft bushing.....	1	18	860331	Presser foot lifter lever bushing...	1
3	860303	Main shaft bushing.....	1	19			
4	860304	Flange bushing.....	1	20	K60320	Needle bar bushing (upper).....	1
5	860305	O-ring.....	1	21	K60321	Needle bar bushing (lower).....	1
6	860435	Felt.....	1	22	860322	Presser bar bushing.....	1
7	860307	Looper rocker shaft bushing.....	1				
8	860308	Looper rocker shaft bushing.....	1				
9							
10							
11	860311	Oil plug.....	1				
12	860312	Looper drive lever shaft bushing...	1				
13	860313	Looper drive lever shaft bushing...	1				
14							
15	860315	Seal cap.....	1				
16	860316	Feed rocker shaft bushing.....	1				

4. Oil lubrication apparatus



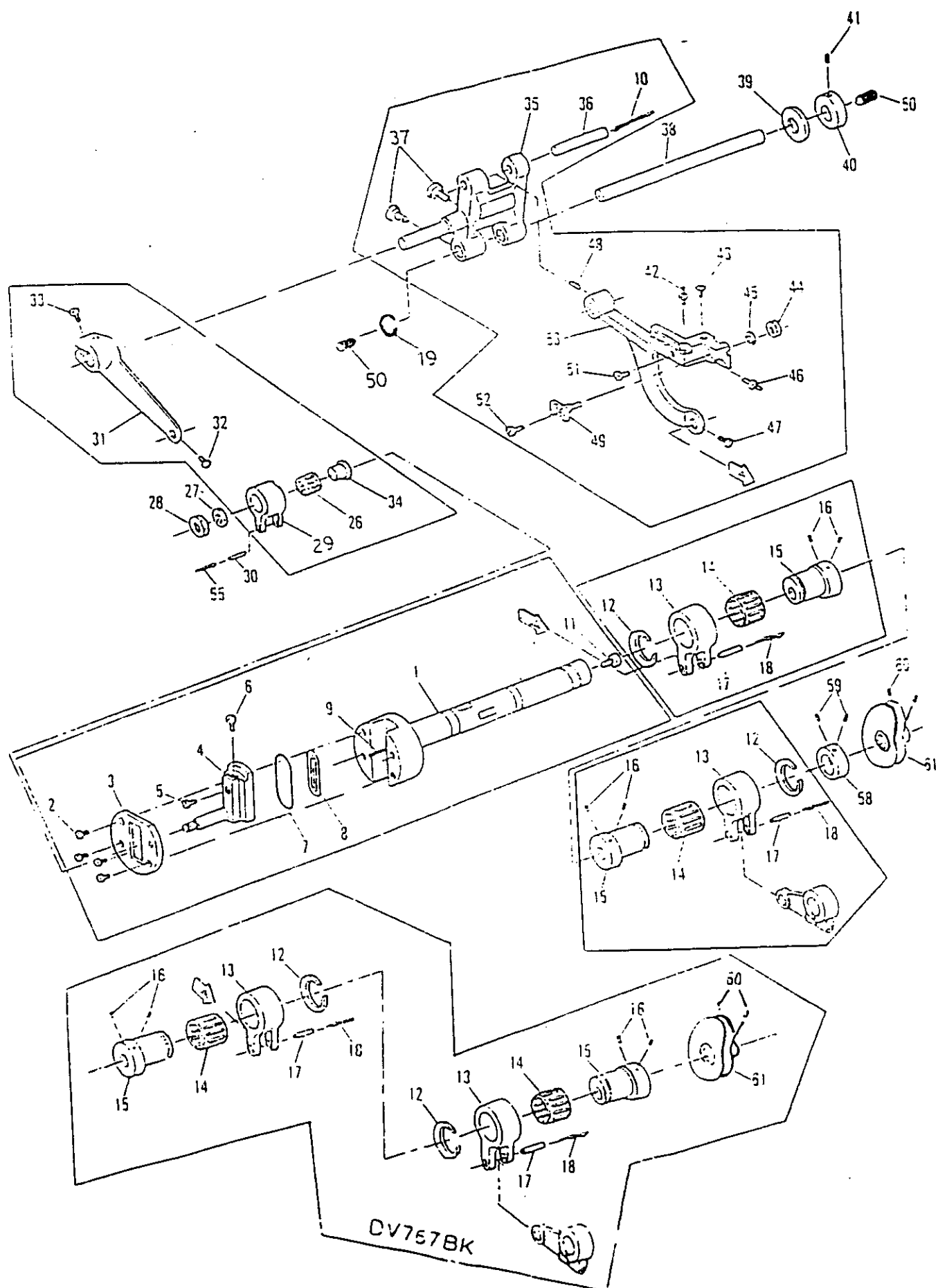
Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	860401	Oil pump body.....	1	20	860420	Packing.....	4
2	860402	Pipe joint.....	1	21	860421	Oil guide screw.....	2
3	860403	Pump mesh.....	1	22	860422	Tube coupling.....	2
4	860404	Mesh clamp plate.....	1	23	860423	Oil pot lid.....	1
5	860405	Screw.....	3	24	860424	O-ring.....	1
6				25	860239	Screw.....	1
7				26	860426	Pipe support.....	1
8	860408	Oil tube joint.....	1	27	860427	Pipe.....	1
9	860409	Pipe joint.....	5	28	860428	Vinyl pipe.....	1
10	B60410	油封		29	860446	Felt.....	1
11	860411	Vinyl pipe.....	1	30	860231	Screw.....	3
12	860412	Vinyl pipe.....	1	31	860431	Pipe.....	1
13	860413	Gear.....	1	32	860432	Support.....	1
14	860149	Screw.....	2	33	860433	Screw.....	1
15	860415	Vinyl pipe.....	1	34	860434	Pipe.....	1
16	860123	Screw.....	3	35	860435	Felt.....	1
17	860409	Pipe joint.....	2	36	860436	Oil flow screw.....	1
18	860418	Fixing screw.....	1	37	860437	Nut.....	1
19	860419	Vinyl pipe.....	1	38	860438	Packing.....	1

5. Needle lever crank



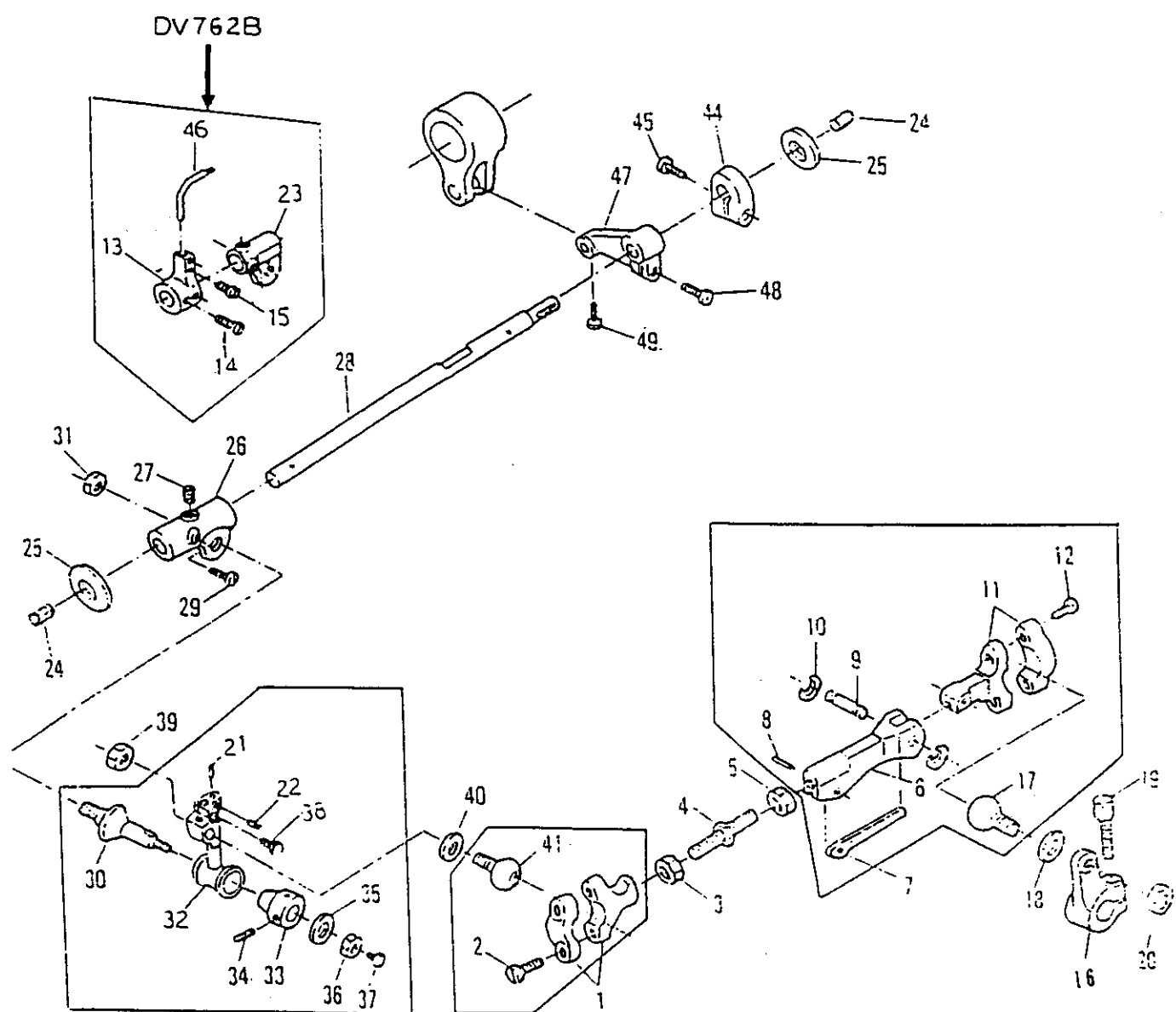
Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	860501	Needle lever	1	33	860533	Pulley.....	1
2	860305	O-ring.....	1	34	860534	Screw	2
3	860503	Needle lever stud.....	1	35	860305	O-ring.....	1
4	860504	Needle lever bushing.....	1	36	860536	Flange	1
5	860505	Needle lever stud bushing.....	1	37	860123	Screw	3
6	860506	Screw.....	2	38	860538	Bearing.....	1
7				39	860539	Screw	2
8	860420	Gasket.....	1	40	860540	Crank shaft collar	1
9	860509	Screw.....	1	41	B60541	washer	
10	860510	Screw	1	42			
11	860511	Needle bar connection link.....	1	43			
12	860512	Needle bar connection link pin	2	44			
13	860446	Felt.....	2	45			
14	860514	Needle bar connection.....	1	46			
15	860515	Screw	1	47	W80761	Joint collar	2
16	860516	Screw	1	48	860548	Looper driving eccentric	1
17	B60106	SCREW		49	860549	Screw	3
18				50	860550	Eccentric guide fork	1
19	860519	Washer	1	51	860551	Screw	1
20	860520	Screw	2	52	860552	Screw	2
21	860521	Needle lever connecting rod	1	53	860553	Looper driving lever bail joint	1
22	860522	Screw	2	54	B60910	Screw	2
23	860523	Bull joint for connecting rod	1	55	860555	Looper driving connecting rod	1
24	860524	Connecting bar	2	56			
25				57			
26				58			
27	860527	Pin.....	2	59			
28	860528	Crank shaft.....	1	60			
29	860529	Bail-joint for crank shaft	1	61	860561	Looper driving shaft.....	1
30	860530	Needle roller for crank shaft	28	62	860519	Washer	1
31	860531	Worm gear	1	63	860563	Collar	1
32	860532	Screw	2	64	860564	Screw	2

6. Feed rocker



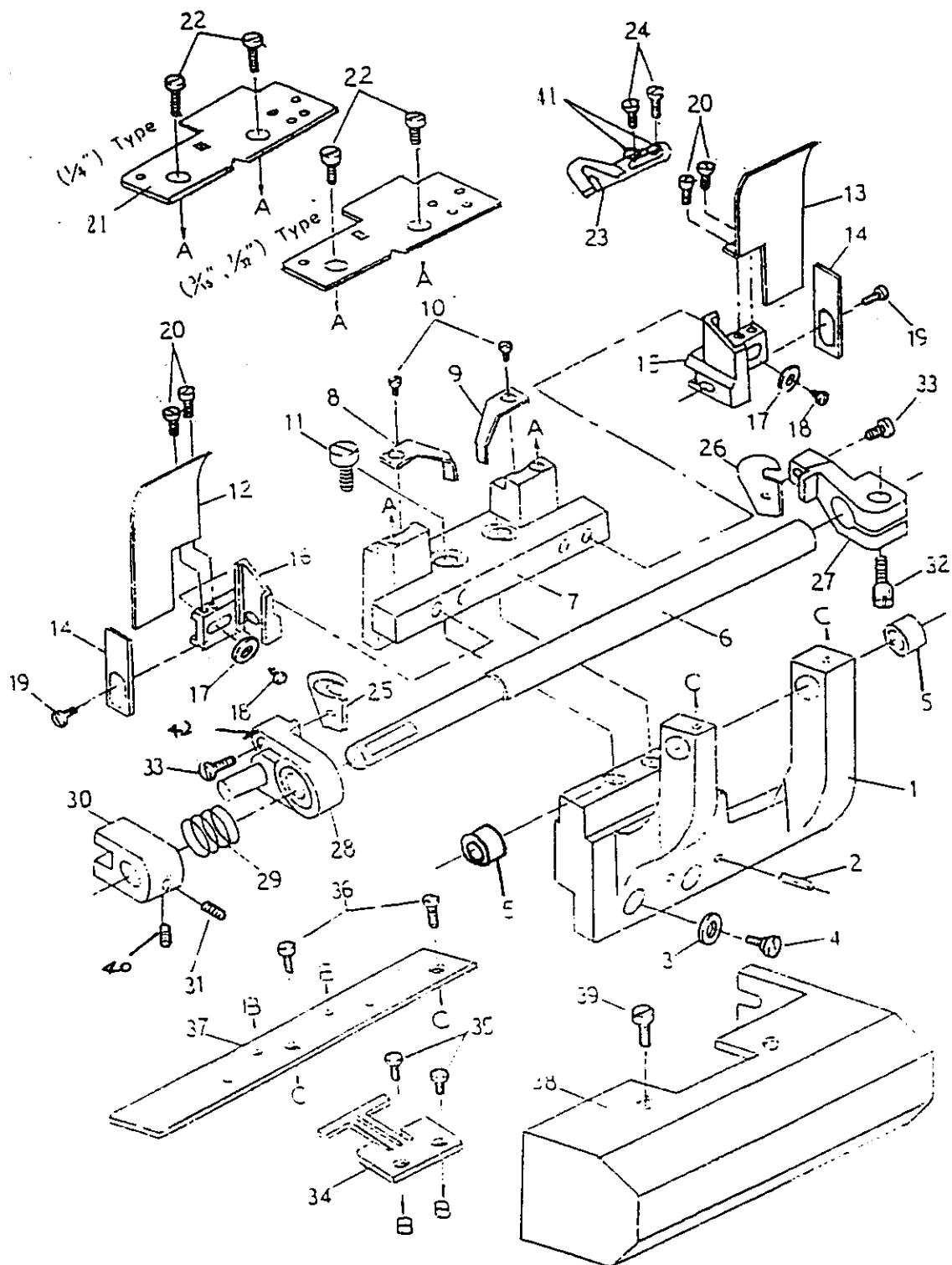
Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	K60601	Main shaft.....	1	32	B60632	Screw.....	1
2	B60138	Screw.....	4	33	B60633	Screw.....	2
3	B60603	Head plate.....	1	34	B60634	Feed crank link roller.....	1
4	B60604	Feed crank adjusting post.....	1	35	B60635	Single feed rocker arm.....	1
5	B60605	Screw.....	1	36	B60636	Feed rocker arm shaft.....	1
6	B60606	Screw.....	1	37	B60106	Screw.....	2
7	B60607	O-ring.....	1	38	B60638	Feed rocker shaft small.....	1
8	B60608	Oil guide.....	1	39	B60639	Washer.....	1
9	B60446	Felt.....	1	40	B60640	Collar.....	1
10	B60446	Felt.....	1	41	B60160	Screw.....	1
11	B60611	Screw.....	1	42	B60642	Screw.....	1
12	B60612	Snap ring.....	2	43	B60229	Screw.....	1
13	B60613	Eccentric link.....	2	44	B60644	Nut.....	1
14	B60614	Bearing.....	2	45	B60645	Washer.....	1
15	B60615	Eccentric 0.9.....	2	46	B60646	Screw.....	1
16	B60564	Screw.....	4	47	B60632	Screw.....	1
17	B60617	Connecting link pin.....	2	48	B60532	Screw.....	1
18	B60446	Felt.....	2	49	B60649	Feed dog holder.....	1
19	B60619	E-ring.....	1	50	B60650	Pin.....	2
20				51	B60651	Screw.....	1
21				52	B60652	Screw.....	1
22				53	K60653	Feed rocker.....	1
23				54			
24				55	B60446	Felt.....	1
25				56			
26	B60626	Bearing.....	1	57			
27	B60627	Washer.....	1	58	B60658	Collar.....	1
28	B60628	Nut.....	1	59	B60659	Screw.....	2
29	B60629	Feed rocker link.....	1	60	B60660	Screw.....	2
30	B60512	Feed rocker link pin.....	1	61	B60661	Looper thread take-up disc.....	1
31	B60631	Feed rocker arm.....	1				

7. Looper



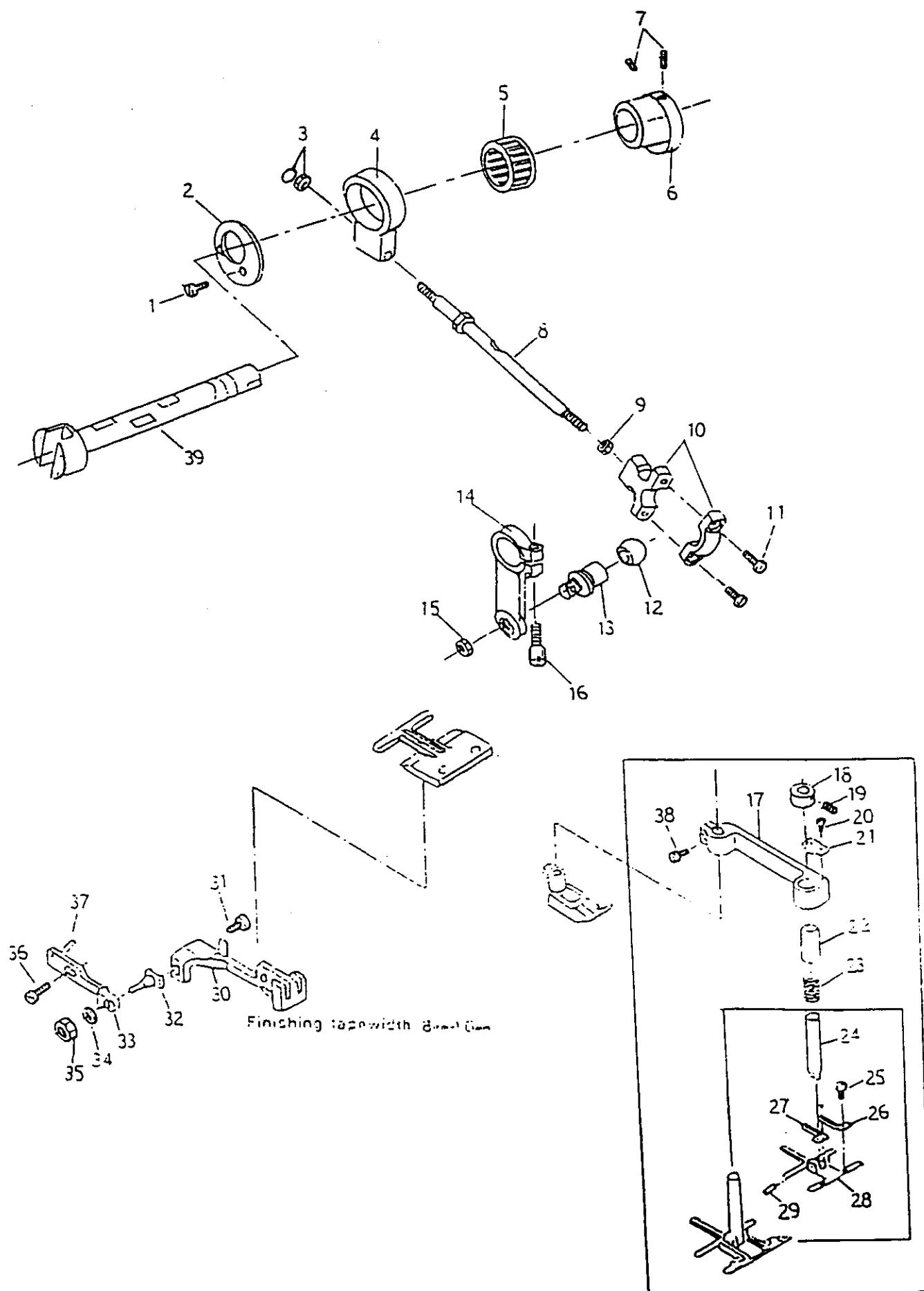
Ref. No.	Part No.	Part Name	Q'ty	Ref. No.	Part No.	Part Name	Q'ty
1	860701	Looper rocker ball joint.....	1	26	860726	Looper rocker.....	1
2	860702	Screw.....	2	27	860532	Screw.....	1
3	860628	Nut.....	1	28	860728	Looper holder shaft.....	1
4	860704	Connecting bar.....	1	29	860729	Screw.....	1
5	860213	Nut.....	1	30	860730	Looper rocker tapered pin.....	1
6	860706	Looper driving connecting link.....	1	31	860644	Nut.....	1
7	860707	Plate spring.....	1	32	860732	Looper holder.....	1
8	860708	Pin.....	1	33	860733	Tapered pin bushing.....	1
9	860709	Shaft.....	1	34	860149	Screw.....	2
10	860710	Snap ring.....	2	35	860735	Washer.....	1
11	860711	Looper driving ball joint.....	1	36	860644	Nut.....	1
12	860702	Screw.....	2	37	860132	Screw.....	1
13	W80910	Needle bar guide bracket.....	1	38	860738	Screw.....	2
14	860539	Screw.....	2	39	860213	Nut.....	1
15	860241	Screw.....	2	40	860718	Washer.....	1
16	860716	Looper driving lever.....	1	41	860717	Looper driving connecting rod.....	1
17	860717	Looper driving connecting rod.....	1	42			
18	860718	Washer.....	1	43			
19	860719	Screw.....	1	44	860744	Looper holder shaft collar.....	1
20	860213	Nut.....	1	45	860123	Screw.....	1
21	861316	Pin.....	1	46	W80912	Needle bar guide.....	1
22	860241	Screw.....	1	47	860747	Looper avoid lever.....	1
23	W80914	Looper rocker.....	1	48	860516	Screw.....	1
24	860650	Screw.....	2	49	860632	Screw.....	1
25	860639	Washer.....	2				

8. Front knife mechanism



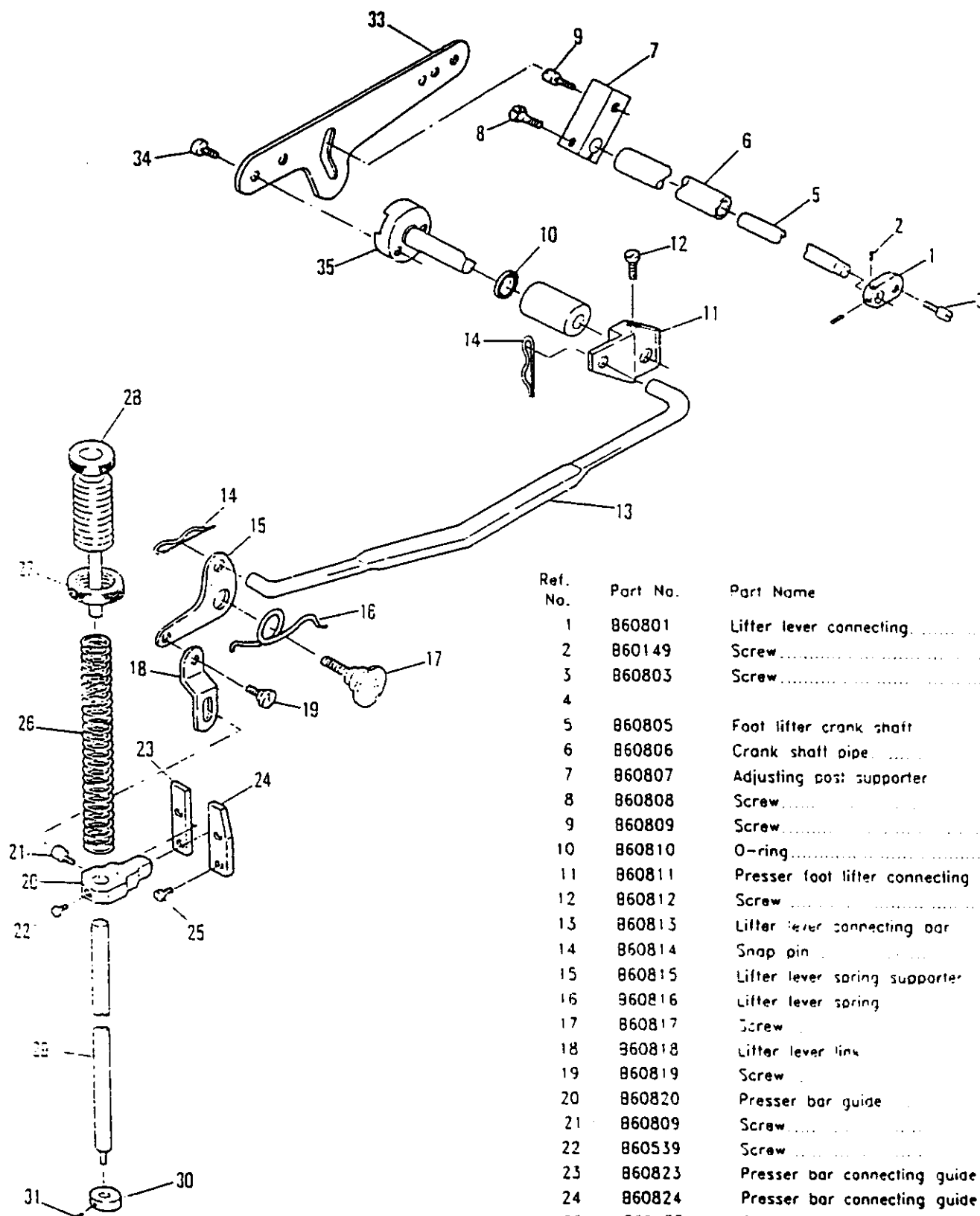
Ref. No.	Part No.	Part Name	Qty	Ref. No.	Part No.	Part Name	Qty
1	K60801	Base bracket.....	1	21	K60821	Installation auxiliary plate rear.....	1
2	K60802	Knocker pin.....	2	22	B60123	Screw.....	2
3	B60111	Washer.....	2	23	K60823	Blade 10.12mm.....	1
4	B60808	Screw.....	2	24	B60651	Screw.....	2
5	K60805	Bushing.....	2	25	K60825	Upper knife-L.....	1
6	K60806	Shaft.....	1	26	K60826	Upper knife-R.....	1
7	K60807	Lower knife mount bracket.....	1	27	K60827	Upper knife bracket-R.....	1
8	K60808	Support feed dog guide-L.....	1	28	K60828	Upper knife bracket-L.....	1
9	K60809	Support feed dog guide-R.....	1	29	K60829	Spring.....	1
10	B60132	Screw.....	2	30	K60830	Upper knife joint bracket.....	1
11	K60811	Screw.....	2	31	B60149	Screw.....	2
12	K60812	Chip guide cover-L.....	1	32	B60516	Screw.....	1
13	K60813	Chip guide cover-R.....	1	33	K60833	Screw.....	2
14	K60814	Lower knife.....	2	34	K60834	Auxiliary plate.....	1
15	K60815	Lower knife holder-R.....	1	35	B80157	Screw.....	2
16	K60816	Lower knife holder-L.....	1	36	B60123	Screw.....	2
17	B60105	Washer.....	2	37	K60837	Supporting plate.....	1
18	B60107	Screw.....	2	38	K60838	Guide cover.....	1
19	B60106	Screw.....	2	39	B80157	Screw.....	2
20	B60241	Screw.....	2	40	K60840	Screw.....	2
				41	K60841	Washer.....	2
				42	K60842	pin.....	

9. Front knife mechanism



Ref. No.	Part No.	Part Name	Qty	Ref. No.	Part No.	Part Name	Qty
1	K60901	Screw.....	2	21	K60921	Rotary dog.....	1
2	K60902	Eccentric plate.....	1	22	K60922	Bushing.....	1
3	B60213	Nut.....	2	23	K60923	Spring.....	1
4	K60904	Eccentric link.....	1	24	K60924	Presser foot shaft.....	1
5	K60905	Bearing.....	1	25	B81140	Screw.....	2
6	K60906	Eccentric.....	1	26	K60926	Guide-R.....	1
7	B60969	Screw.....	2	27	K60927	Guide-L.....	1
8	K60908	Connecting bar.....	1	28	K60928	Support presser foot bottom.....	1
9	B60213	Nut.....	1	29	K60929	Shank pin.....	1
10	B61834	Connecting rod.....	1	30	K60930	Support feed dog.....	1
11	B60702	Screw.....	2	31	B60652	Screw.....	1
12	K60912	Joint ball.....	1	32	B60649	Feed holder.....	1
13	K60913	Connecting rod pin.....	1	33	K60933	Supporting feed dog bracket.....	1
14	K60914	Upper knife inter lock lever.....	1	34	B60645	Washer.....	1
15	B60213	Nut.....	1	35	B60644	Nut.....	1
16	B60516	Screw.....	1	36	B60123	Screw.....	1
17	K60917	Support bracket.....	1	37	B61035	Screw.....	1
18	B60830	Collar.....	1	38	B62027	Screw.....	1
19	B60149	Screw.....	2	39	K60939	Shaft.....	1
20	B60231	Screw.....	2				

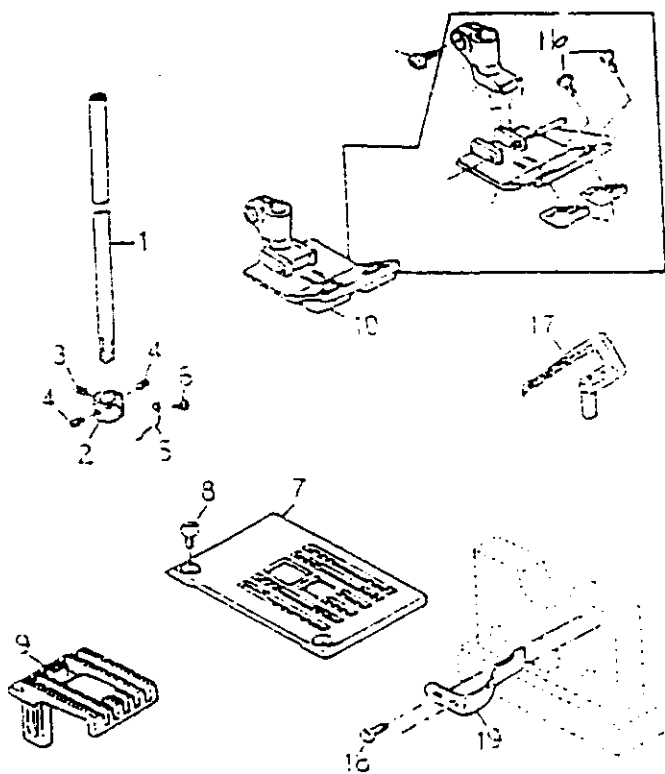
10. Foot lifter components



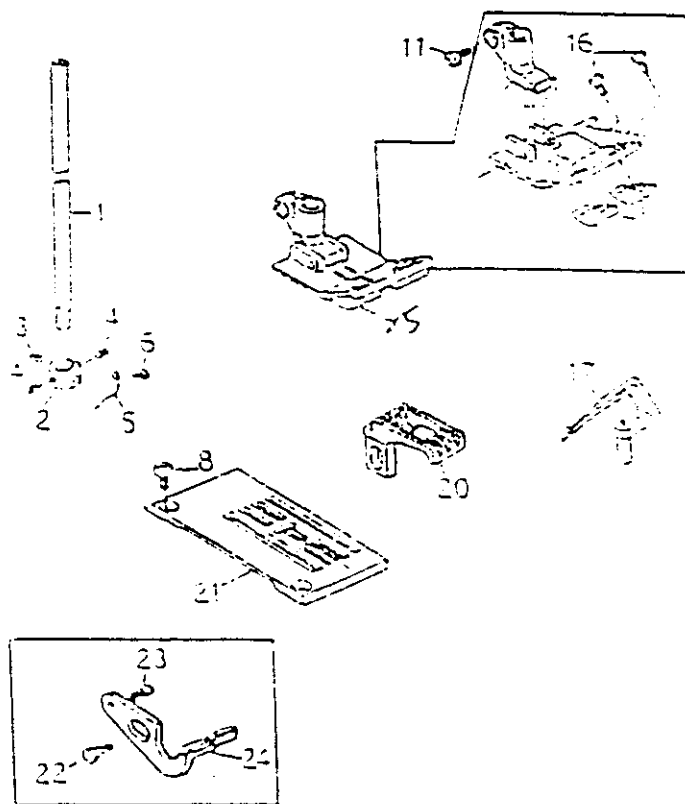
Ref. No.	Part No.	Part Name	Qty
1	860801	Lifter lever connecting.....	1
2	860149	Screw.....	2
3	860803	Screw.....	1
4			
5	860805	Foot lifter crank shaft.....	1
6	860806	Crank shaft pipe.....	1
7	860807	Adjusting post supporter.....	1
8	860808	Screw.....	1
9	860809	Screw.....	1
10	860810	O-ring.....	1
11	860811	Presser foot lifter connecting plate.....	1
12	860812	Screw.....	1
13	860813	Lifter lever connecting bar.....	1
14	860814	Snap pin.....	2
15	860815	Lifter lever spring supporter.....	1
16	860816	Lifter lever spring.....	1
17	860817	Screw.....	1
18	860818	Lifter lever link.....	1
19	860819	Screw.....	1
20	860820	Presser bar guide.....	1
21	860809	Screw.....	1
22	860539	Screw.....	1
23	860823	Presser bar connecting guide left.....	1
24	860824	Presser bar connecting guide right.....	1
25	860433	Screw.....	4
26	860826	Presser bar spring.....	1
27	860827	Nut.....	1
28	860828	Presser bar screw.....	1
29	860829	Presser bar (small).....	1
30	860830	Collar.....	1
31	860149	Screw.....	1
32			
33	860833	Presser foot lifter lever.....	1
34	860123	Screw.....	2
35	860835	Presser foot lifter lever post.....	1

11. Gauge parts

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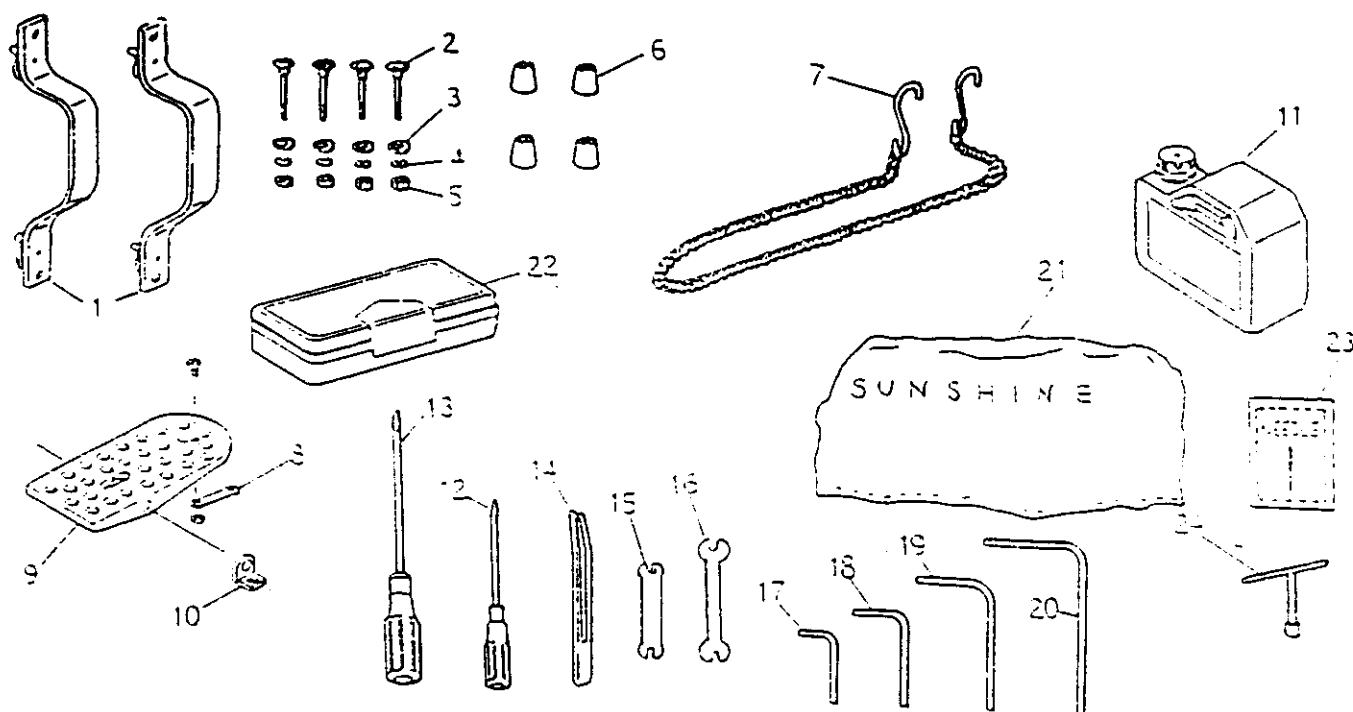


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Ref. No.	Part No.	Part Name	Qty
1	K61101	Needle bar 1/4"	1
2	K61102	Needle clamp	1
3	K61103	Screw	1
4	K61104	Screw	2
5	K61105	Needle thread guide	1
6	K61106	Screw	1
7	K61107	Needle plate 1/4"	1
8	B60229	Screw	2
9	K61109	Feed dog 1/4"	1
10	K61110	Presser foot 1/4"	1
11		Screw	1
12		Presser foot bottom	1
13		Presser foot shank	1
14		Hinge screw	1
15		Guide	2
16	B60239	Screw	2
17	19-713	Looper	1
18	B60106	Screw	1
19	K61119	Needle guard	1
20	K61120	Feed dog	1
21	K61121	Needle plate 1/4"	1
22	B60651	Screw	1
23	B61035	Screw	1
24	K61124	Needle guard	1
25	K61125		

12. Accessories



ei. no.	Part No.	Part Name	Q'ty
1	B62420	Machine mount bracket	2
2	B62422	Screw	4
3	B62423	Washer M8	4
4	B62424	Spring washer	4
5	B62425	Nut	4
6	B62426	Cushion rubber	4
7	B62428	Tie-rod joint	1
8	B62432	Coupling	1
9	B62433	Pedal	1
10	B62434	Pedal stopper	2
11	B62435	Oil	1
12	B62436	Screw driver small	1
13	B62437	Screw driver large	1
14	B62438	Tweezers	1
15	B62439	Spanner small	1
16	B62440	Spanner large	1
17	B62441	Wrench A	1
18	B62442	Wrench B	1
19	B62443	Wrench C	1
20	B62444	Wrench D	1
21	B62445	Machine cover	1
22	B62446	Accessory box	1
23	B62447	Needle	1
24	B62448	Wrench T	1

13. Table stand inatallation diagram

