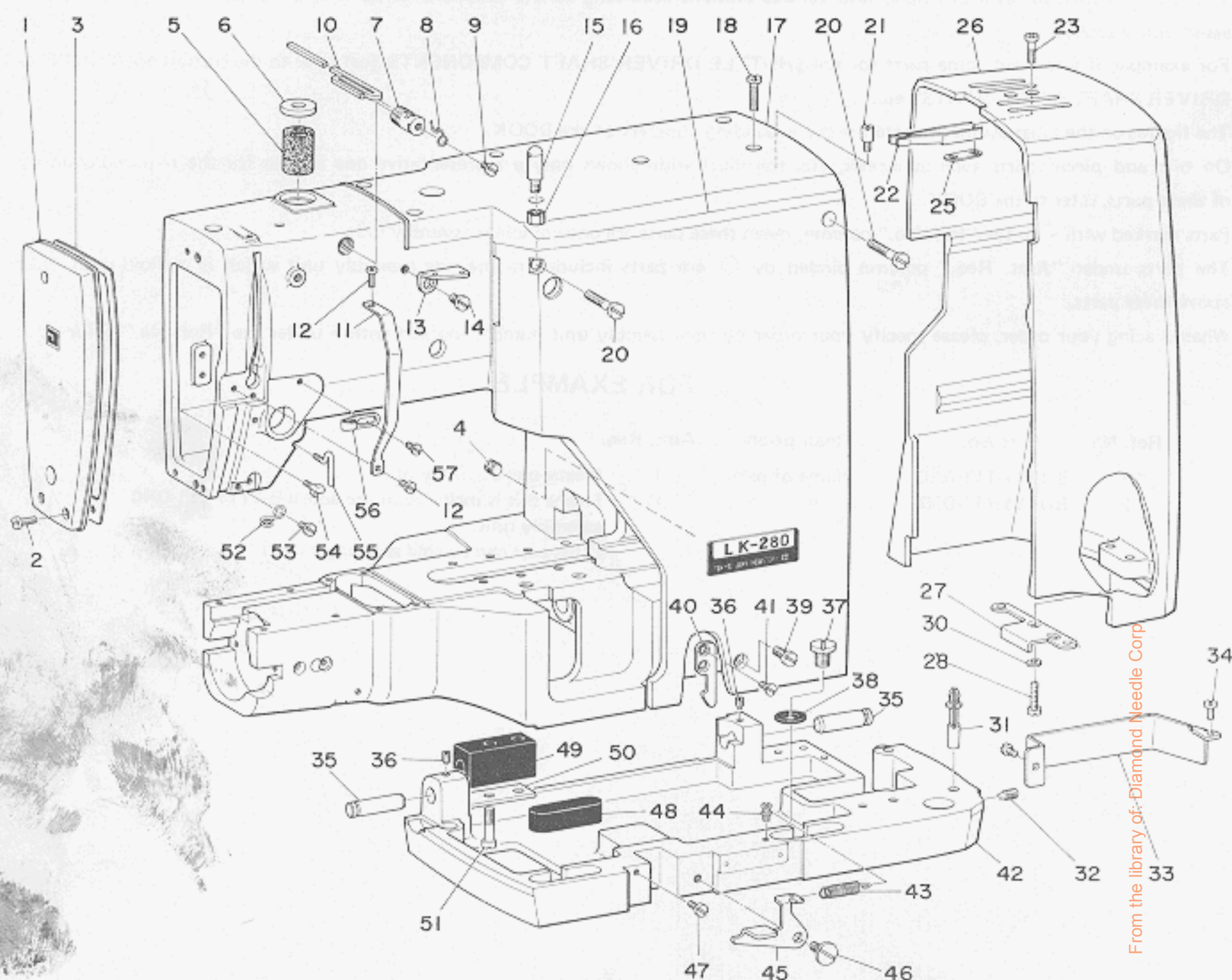


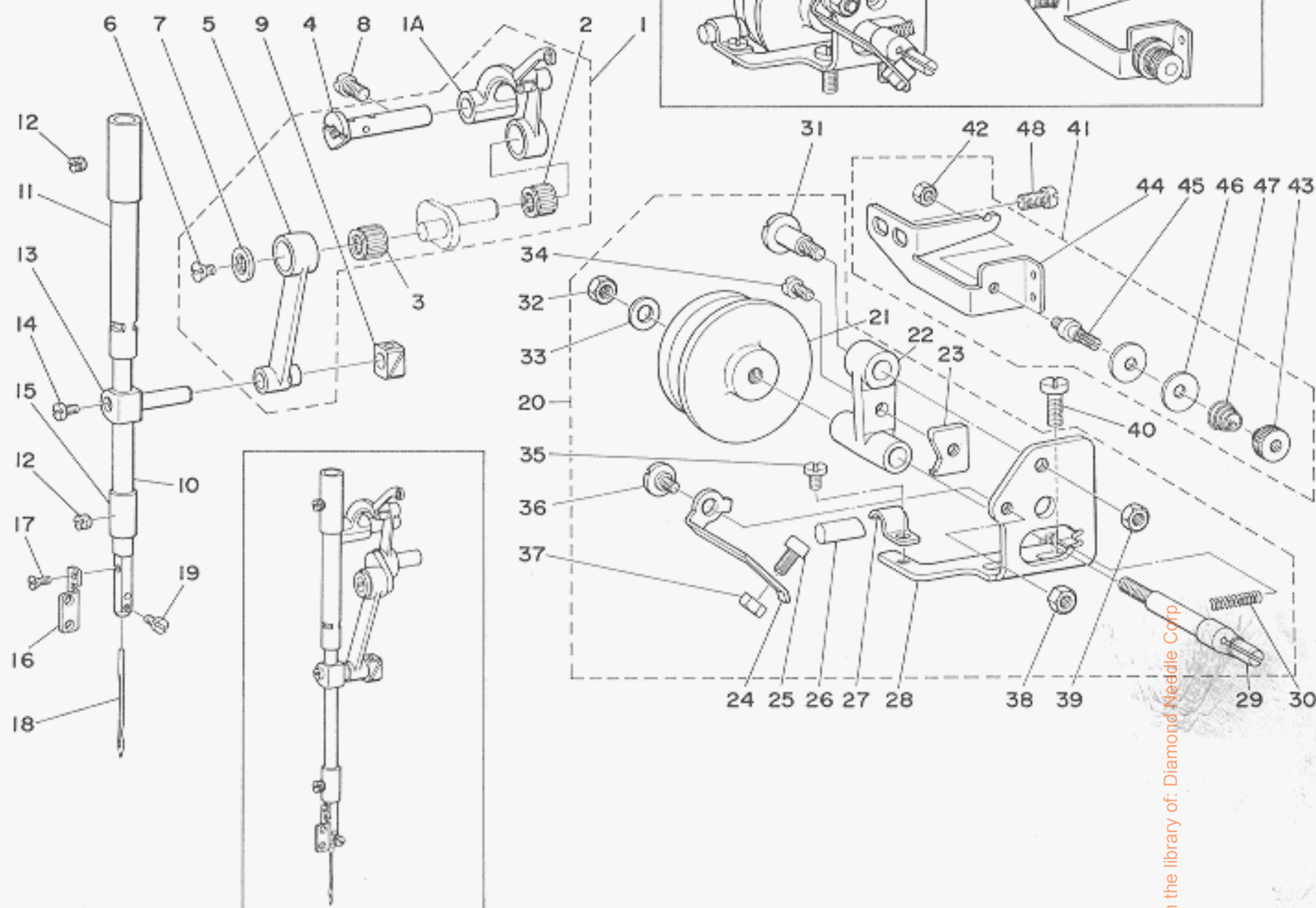
1. MACHINE FRAME COMPONENTS



From the library of: Diamond Needle Corp

Ref. No.	Part No.	Description	Amt. Req.	Ref. No.	Part No.	Description	Amt. Req.
1	B1120-280-000	Face plate	1	30	WP-0501016-SD	Washer	2
2	SS-7111120-SP	Screw	3	31	B1116-280-000	Pin	2
3	B1121-280-000	Gasket	1	33	B1112-280-000	Belt cover, small	1
4	SS-8680730-SP	Oiling screw	1	34	SS-7110710-SP	Screw	2
5	B1130-280-000	Silicon oil tank felt	1	35	B1107-280-000	Base connecting pin	2
6	B1129-280-000	Silicon oil tank cover	1	36	SS-8151150-TP	Screw	2
7	B1126-280-000	Silicon oil pipe	1	37	SS-6741010-SP	Oil drain cap screw	1
8	B1127-280-000	Silicon oil thread guide	1	38	B8219-125-000	Gasket	1
9	SS-7110410-SP	Screw	1	39	SS-7151210-SP	Top cover set screw, small	1
10	B1128-280-000	Silicon oil felt	1	40	B1109-280-000	Hook B	1
11	B1122-280-000	Thread take-up lever oil guard	1	41	SS-1110840-SP	Screw	2
12	SS-7090710-SP	Screw	2	42	B1103-280-000	Machine base	1
13	B1111-232-000	Thread guide, No.2	1	43	B1507-352-000	Spring, for hook A	1
14	SS-7150740-SP	Screw	1	44	B1110-280-000	Suspension	1
15	B1123-280-000	Thread guide, No.1	1	45	B1108-280-000	Hook A	1
16	NS-6150310-SP	Set nut	1	46	SD-0720331-SP	Hinge screw	1
17	B1117-280-000	Top cover	1	47	SS-6111010-TP	Stopper	1
18	SS-6151780-SP	Screw	4	48	B1104-280-000	Rubber pad	2
19	B1119-280-000	Cam cover	1	49	B1105-280-000	Base connecting pin bracket	1
20	SS-6153040-SP	Screw	2	50	B1106-280-000	Washer	1
21	B1114-280-000	Belt cover spring suspension	1	51	SS-6153040-SP	Screw	2
22	B1113-280-000-A	Stopper spring for belt cover	1	52	B1124-280-000	Frame thread guide B	1
23	SS-7111310-SP	Screw	2	53	SS-7110710-SP	Screw	1
25	B1133-280-000	Spring set plate	1	54	B3114-771-000	Take-up thread guide	1
26	B1111-280-000	Belt cover	1	55	B1125-280-000	Tension thread guide	1
27	B1115-280-000	Base connecting pin	1	56	B1126-280-000	Silicon oil pipe	1
28	B1116-280-000	Pin	2	57	B1127-280-000	Silicon oil thread guide	1
29	B1117-280-000	Top cover	1				
30	WP-0501016-SD	Washer	2				
31	B1116-280-000	Pin	2				
32	B1112-280-000	Belt cover, small	1				
33	SS-7110710-SP	Screw	2				
34	B1107-280-000	Base connecting pin	2				
35	SS-8151150-TP	Screw	2				
36	SS-6741010-SP	Oil drain cap screw	1				
37	B8219-125-000	Gasket	1				
38	SS-7151210-SP	Top cover set screw, small	1				
39	B1109-280-000	Hook B	1				
40	SS-1110840-SP	Screw	2				
41	B1103-280-000	Machine base	1				
42	B1507-352-000	Spring, for hook A	1				
43	B1110-280-000	Suspension	1				
44	B1108-280-000	Hook A	1				
45	SD-0720331-SP	Hinge screw	1				
46	SS-6111010-TP	Stopper	1				
47	B1104-280-000	Rubber pad	2				
48	B1105-280-000	Base connecting pin bracket	1				
49	B1106-280-000	Washer	1				
50	SS-6153040-SP	Screw	2				
51	B1124-280-000	Frame thread guide B	1				
52	SS-7110710-SP	Screw	1				
53	B3114-771-000	Take-up thread guide	1				
54	B1125-280-000	Tension thread guide	1				
55	B1126-280-000	Silicon oil pipe	1				
56	B1127-280-000	Silicon oil thread guide	1				
57	B1128-280-000	Silicon oil felt	1				

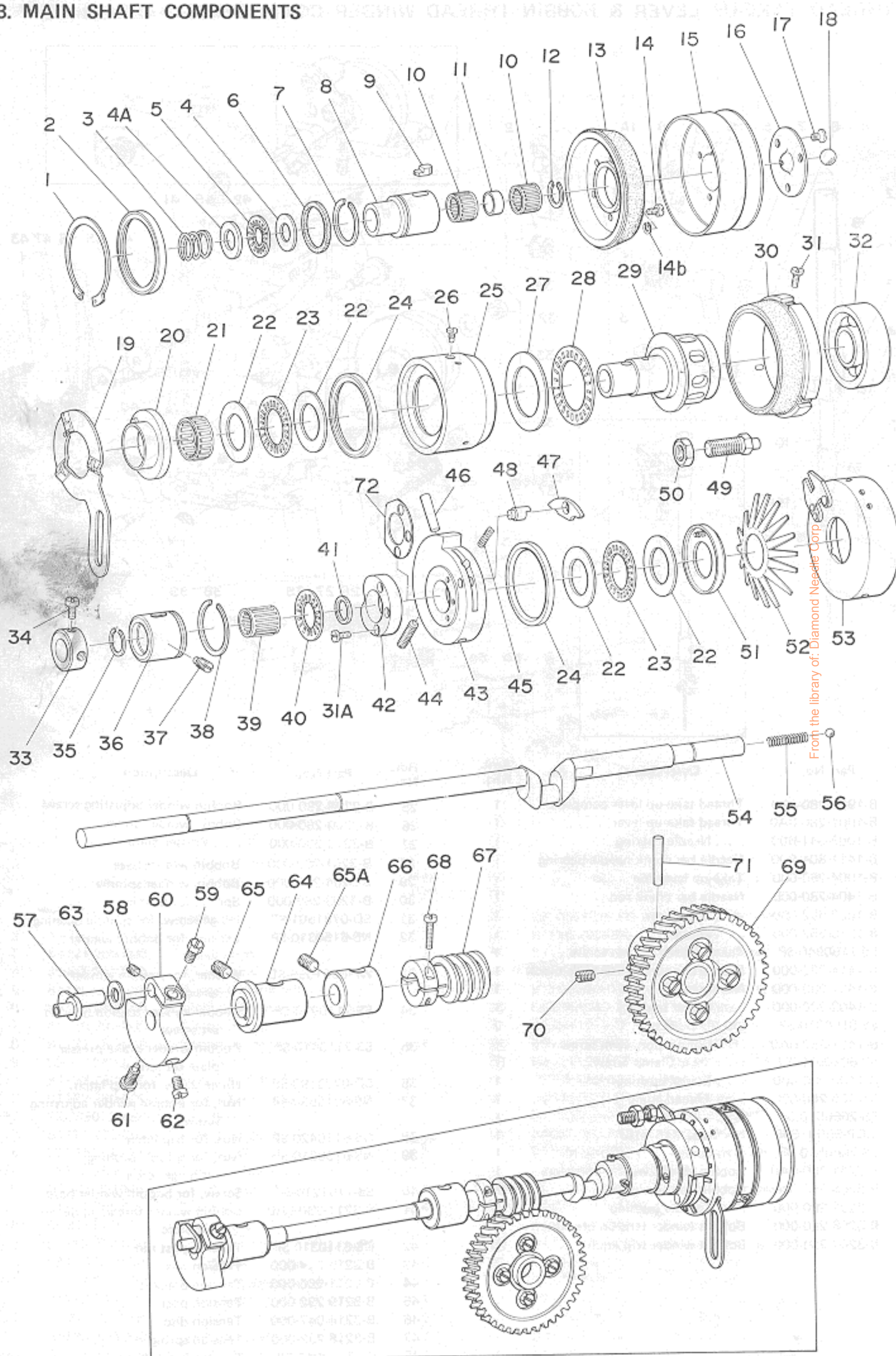
2. THREAD TAKE-UP LEVER & BOBBIN THREAD WINDER COMPONENTS



From the library of: Diamond Needle Corp

Ref. No.	Part No.	Description	Amt. Req.	Ref. No.	Part No.	Description	Amt. Req.
*1	B-1901-280-0B0	Thread take-up lever complete	1	25	B-3208-280-000	Bobbin winder adjusting screw	①
1A	B-1901-280-0A0	Thread take-up lever	①	26	B-3209-280-000	Bobbin winder brake	①
2	B-1905-541-B00	... Needle bearing	①	27	B-3210-280-000	... Presser plate	①
3	B-1411-804-B00	Needle bar crank needle bearing	①	28	B-3201-280-000	Bobbin winder base	①
4	B-1904-280-000	Take-up lever pin	①	29	B-3204-280-000	Bobbin winder spindle	①
5	B-1404-280-000	Needle bar crank rod	①	30	B-3203-280-000	Spring, for bushing	①
6	B-1903-552-000	... End screw	①	31	SD-0791501-SP	Hinge screw, for spindle bushing	①
7	B-1910-552-000	... Washer	①	32	NS-6150310-SP	Set nut, for bobbin winder wheel	①
8	SS-7150940-SP	Take-up lever pin set screw	1	33	WP-0651056-SD	Washer, for bobbin winder wheel	①
9	B-1414-232-000	Needle bar connection slide block	1	34	SS-7110910-SP	Bobbin winder tension bracket set screw	①
10	B-1401-280-000	Needle bar	1	35	SS-7110410-SP	Bobbin winder brake presser plate set screw	①
11	B-1402-280-000	... Upper bushing	1	36	SD-0720193-SP	Hinge screw, for trip latch	①
12	SS-8150310-SP	... Screw	2	37	NS-6110530-SP	Nut, for bobbin winder adjusting screw	①
*13	B-1411-552-0A0	... Connection, with screw	1	38	NS-6110420-SP	Nut, for trip latch	①
14	SS-6090670-TP	... Clamp screw	①	39	NS-6150310-SP	Nut, for spindle bushing set hinge screw	①
15	B-1403-280-000	... Lower bushing	1	40	SS-7151210-SP	Screw, for bobbin winder base	2
16	B-1405-280-000	... Thread guide	1	*41	B-3211-280-0A0	Bobbin winder thread guide complete	1
17	SS-2060510-SP	... Screw	1	42	NS-6110310-SP	Tension post nut	①
18	MDP-500B1600	Needle (DPx5 #16)	1	43	B-3216-047-000	Tension nut	①
19	SS-7080510-SP	... Screw	1	44	B-3211-280-000	Tension bracket	①
*20	B-3201-280-0A0	Bobbin thread winder complete	1	45	B-3219-232-000	Tension post	①
21	B-3205-280-000	Bobbin winder wheel	①	46	B-3214-047-000	Tension disc	②
22	B-3202-280-000	... Spindle bushing	①	47	B-3218-232-000	Tension spring	①
23	B-3206-280-000	Bobbin winder tension bracket	①	48	SS-7150940-SP	Tension bracket set screw	2
24	B-3207-280-000	Bobbin winder trip latch	①				

3. MAIN SHAFT COMPONENTS

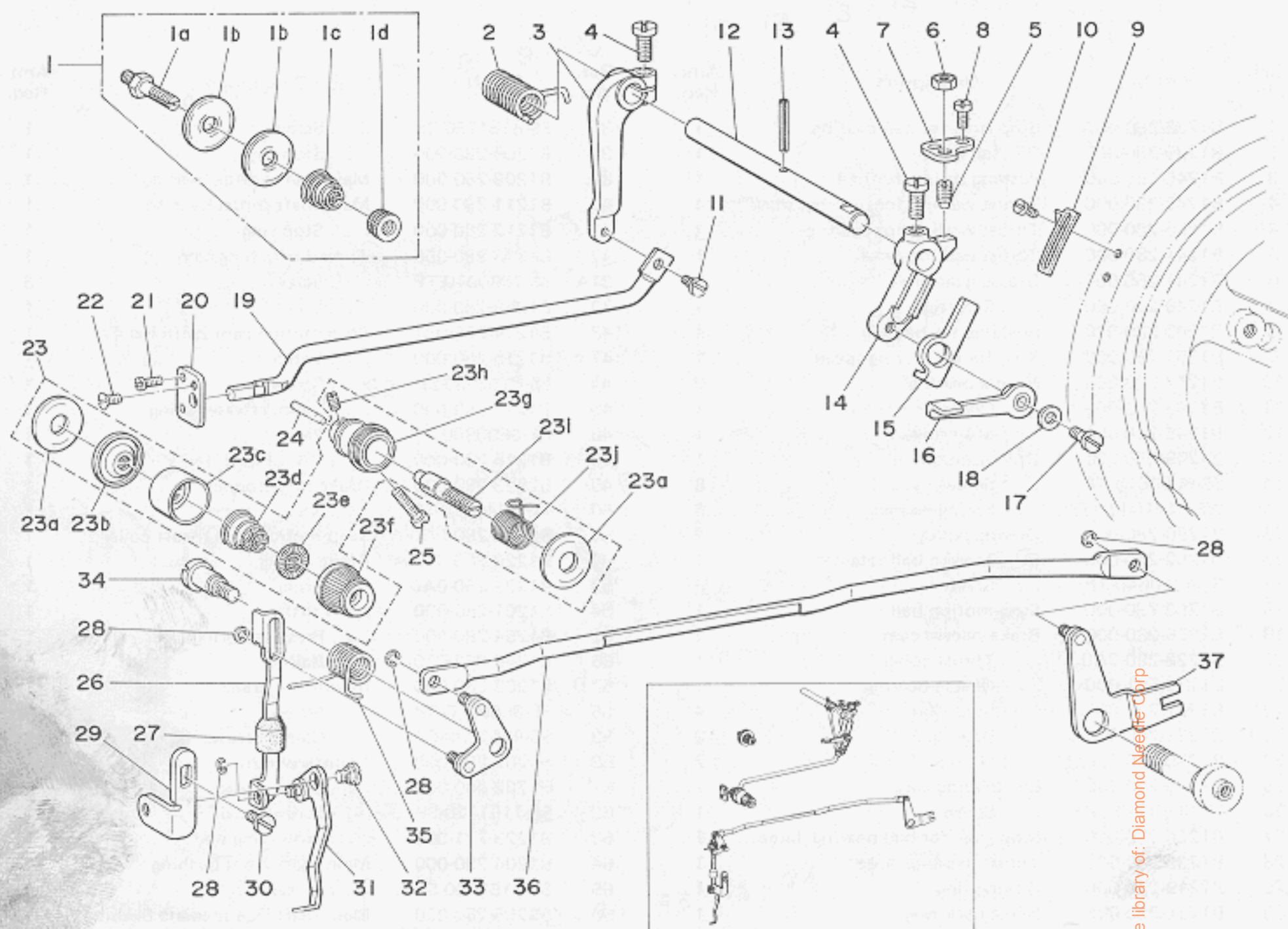


From the library of: Diamond Needle Corp

Ref. No.	Part No.	Description	Amt. Req.	Ref. No.	Part No.	Description	Amt. Req.
1	B1238-280-000	Stop ring, for ball bearing	1	37	SS-8151150-SP	. . . Screw	1
2	B1239-280-000	Oil seal, large	1	38	B1209-280-000	. . . Stop ring	1
3	B1240-280-000	Pushing spring, for ball	1	39	B1208-280-000	Main shaft needle bearing	1
4	B1242-280-000	Thrust washer, for bearing, small	1	40	B1211-280-000	Main shaft thrust bearing	1
4A	B1256-280-000	Thrust washer, for bearing	1	41	B1212-280-000	. . . Stop ring	1
5	B1241-280-000	Thrust bearing, small	1	42	B1213-280-000	Thread trimming cam	1
6	B1247-280-000	Grease guard felt	1	31A	SS-7090910-TP	. . . Screw	3
7	B1248-280-000	. . . Stop ring	1	72	B1259-280-000	. . . Liner	1
8	B1243-280-000	Bushing, for bearing	1	*43	B1214-280-0A0	Stop-motion cam (with No.47)	1
9	B1251-280-000	Key, for decreasing speed	1	47	B1215-280-000	. . . Latch	①
10	B1244-280-000	Needle bearing	2	44	SS-8152030-SP	. . . Screw	1
11	B1245-280-000	. . . Collar	1	45	B1217-280-000	. . . Latch release spring	1
12	B1246-280-000	. . . Stop ring	1	46	PT-0603800-TH	. . . Pin	1
13	B1249-280-000	Driving clutch	1	48	B1216-280-000	 Pin	1
14	SS-6080610-TP	. . . Screw	6	49	B2623-280-000	Brake ring stopper	1
14b	WS-0441040-KP	. . . Spring washer	6	50	NS-6740510-SP	. . . Nut	1
15	B1250-280-000	Driving pulley	1	51	B1218-280-0A0-A	Stop-motion cam thrust collar	1
16	B1252-280-000	Stop-motion ball retainer	1	52	B1220-280-000-A	Brake spring	1
17	SS-1110640-TP	. . . Screw	3	53	B1222-280-0A0	Brake ring	1
18	B1253-280-000	Stop-motion ball	1	54	B1201-280-000	Main shaft	1
19	B1226-280-000	Brake release cam	1	55	B1254-280-000	. . . Pressure spring	1
20	B1228-280-0A0	. . . Thrust collar	1	56	B1246-372-000	. . . Ball	1
21	B1715-581-000	. . . Needle bearing	1	57	B1203-280-000	Needle bar crank	1
22	B1232-280-000	. . . Stop ring	4	58	SS-8660610-TP	. . . Screw	1
23	B1231-280-000	. . . Bearing	2	59	SS-9661230-CP	. . . Clamp screw	1
24	B1230-280-000	. . . Oil seal	2	60	B1202-280-000	Counterweight	1
25	B1233-280-000	Ball bearing case	1	61	B1202-280-000	. . . Screw, large	1
26	SS-6090680-TP	. . . Screw	1	62	SS-7151120-SP	. . . Screw, small	1
27	B1236-280-000	Stop ring, for ball bearing, large	1	63	B1223-771-000	. . . Protecting plate	1
28	B1235-280-000	Thrust bearing, large	1	64	B1204-280-000	Main shaft front bushing	1
29	B1219-280-000	Driving ring	1	65	SS-8151150-SP	. . . Screw	1
30	B1234-280-000	Brake cork ring	1	66	B1205-280-000	Main shaft intermediate bushing	1
31	SS-7090910-TP	. . . Screw	3	65A	SS-8151150-SP	. . . Screw	1
32	B1237-280-000	Ball bearing, for speed decreasing	1	67	B2205-280-000	Feed cam driving worm	1
33	CS-1401113-TH	Main shaft thrust collar	1	68	SS-6111610-SP	. . . Screw	2
34	SS-6660710-TP	. . . Screw	2	69	B2204-280-0A0	. . . Wheel	1
35	B1210-280-000	Stop ring, for main shaft bearing	1	70	SS-8660820-TP	 Screw	1
36	B1207-280-000	Rear bushing, for main shaft	1	71	PT-0503200-SH	 Pin	1

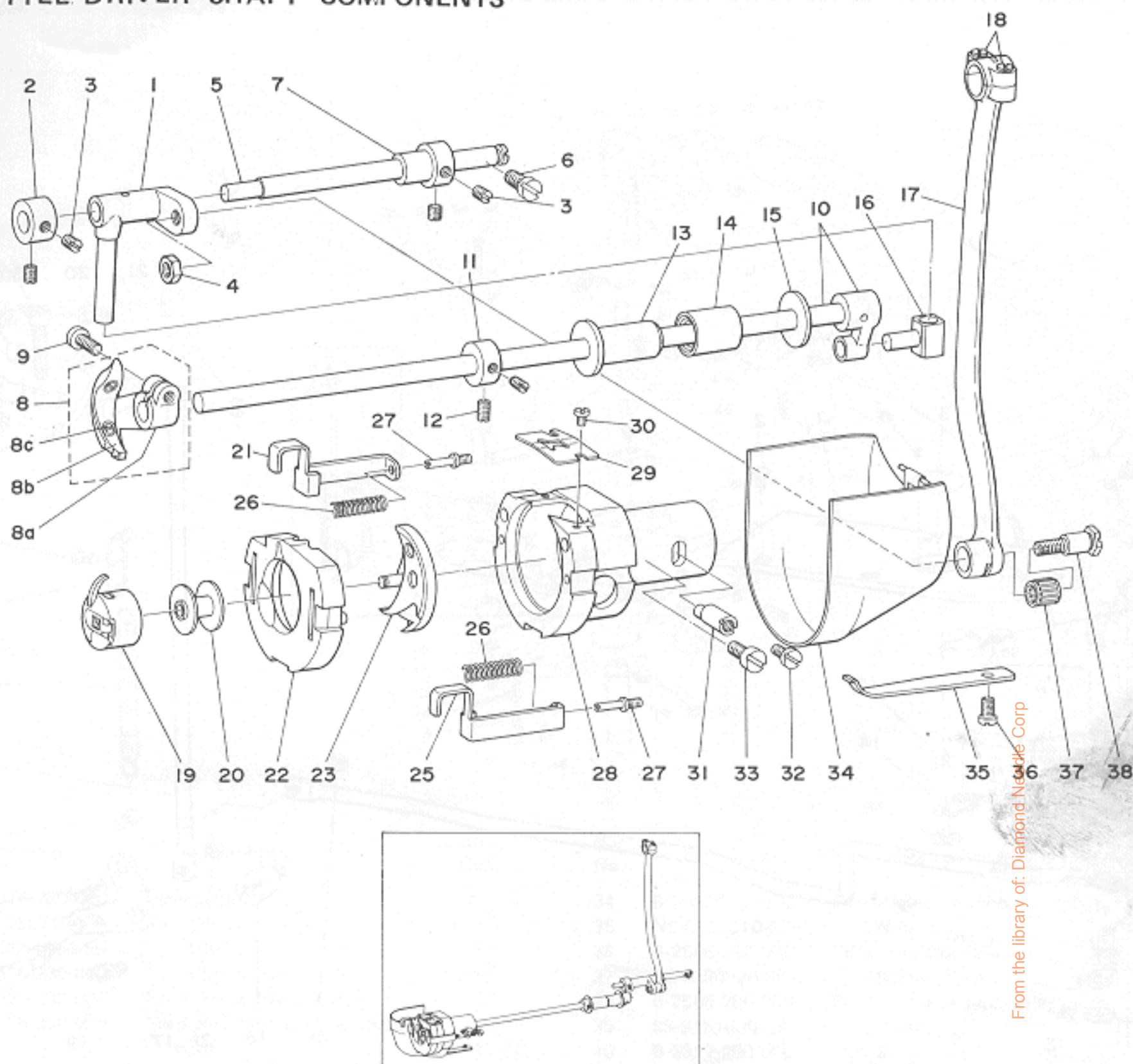
From the library of: Diamond Needle Corp

4. THREAD TENSION RELEASE COMPONENTS



Ref. No.	Part No.	Description	Amt. Req.	Ref. No.	Part No.	Description	Amt. Req.
*1	B-1115-232-0A0	Thread tension, No. 1 asm.	1	23c	B-3107-804-000	Tension disc presser tube	①
1a	B-3123-352-000	Tension post, No. 1	①	23d	B-3114-232-000	Tension spring, No. 2	①
1b	B-3126-012-000	Tension disc	②	23e	B-3120-125-000	Tension disc stopper	①
1c	B-1115-232-000	Tension spring, No. 1	①	23f	B-3119-771-000	Tension nut, No. 2	①
1d	A-3125-002-000	Tension nut, No. 1	①	23g	B-2313-280-000	Tension post socket	①
2	B-2310-280-000	Spring, for tension release link	1	23h	SS-8090610-SP	Tension post set screw	①
3	B-2307-280-000	Tension release link (B)	1	23i	B-2302-280-000	Tension post, No. 2	①
4	SS-7151210-SP	. . . Screw	2	23j	B-3112-761-000	Thread take-up spring	①
5	SS-8151150-TP	Adjusting screw, for tension release latch	1	24	B-2303-280-000	Tension release pin	1
6	NS-6150310-SP	. . . Nut	1	25	SS-9111510-SP	Tension post socket set screw	1
7	B-2315-280-000	Stopper, for link (A)	1	26	B-2103-280-000	Wiper connecting plate	1
8	SS-7110740-TP	. . . Screw	2	27	B-2108-280-000	Oil shield cap	1
9	B-2304-280-000	Tension release link tripping segment	1	28	B-1229-232-000	Snap ring	4
10	SS-7090520-TP	. . . Screw	2	29	B-2102-280-000	Wiper installing plate	1
11	SD-0450211-SP	Hinge screw, for tension release bar	1	30	SS-7110840-SP	 Screw	1
12	B-2309-280-000	Shaft, for tension release link	1	31	B-2101-280-0A0	Wiper	1
13	PS-0300201-KP	Pin, for spring	1	32	SD-0640211-SP	. . . Hinge screw	1
14	B-2306-280-000	Tension release link (A)	1	33	B-2104-280-0A0	. . . Connecting arm	1
15	B-2305-280-000	. . . Latch	1	34	B-2109-280-000	. . . Connecting screw	1
16	B-2308-280-0A0	Tension release lever	1	35	B-2110-280-000	. . . Spring, for connecting arm	1
17	SD-0500481-TP	. . . Hinge screw	1	36	B-2106-280-000	. . . Connecting bar	1
18	WP-0520656-SA	. . . Washer	1	37	B-2107-280-0A0	. . . Driving link	1
19	B-2312-280-000	Tension release bar	1				
20	B-2311-280-000	. . . Supporter	1				
21	SS-7090620-SP	 Screw	2				
22	SS-5090610-SP	. . . Stopper screw	1				
*23	B-2302-280-0A0	Tension controller, No. 2	1				
23a	B-3126-012-000	Tension disc	②				

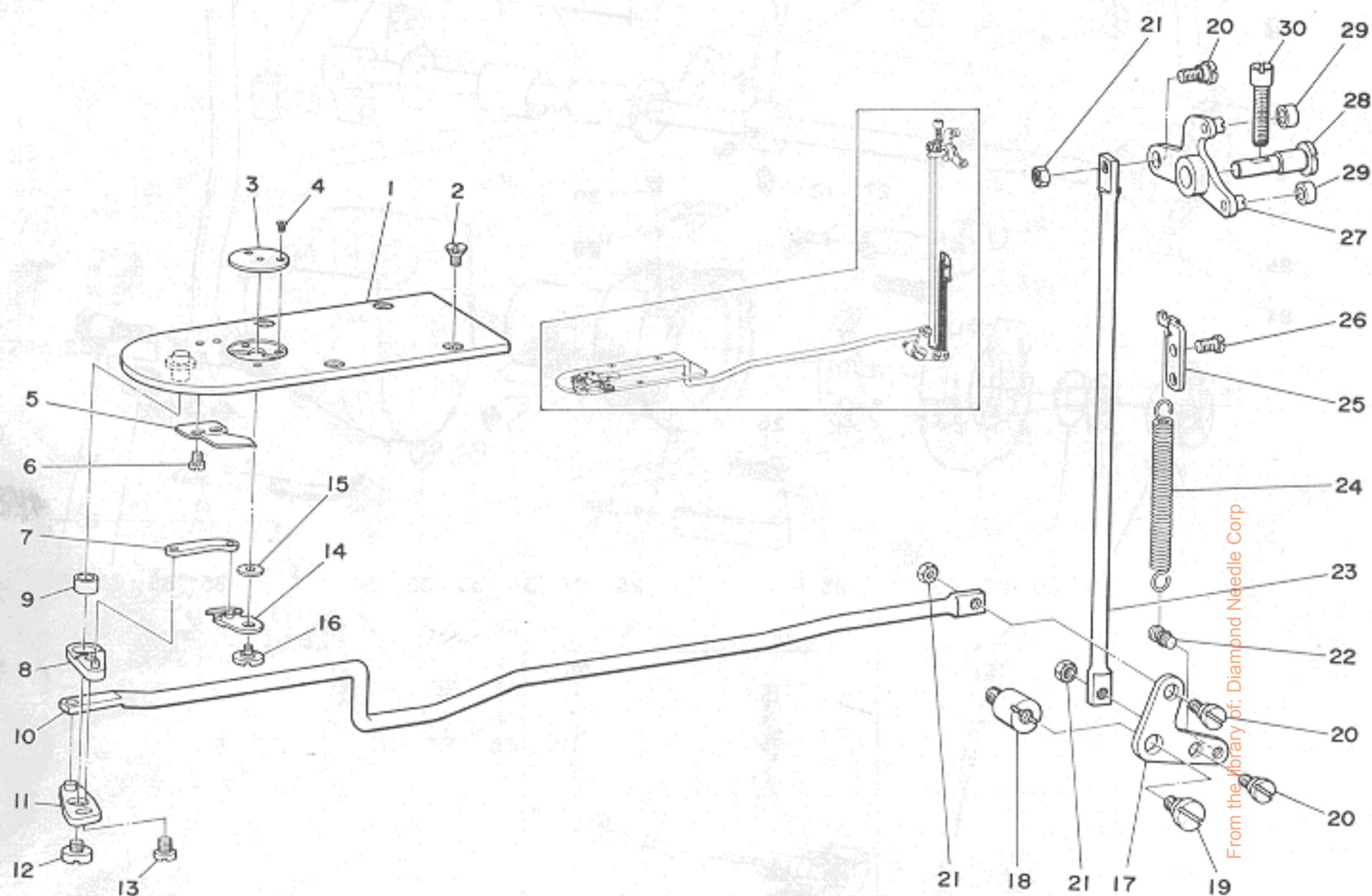
5. SHUTTLE DRIVER SHAFT COMPONENTS



From the library of: Diamond Needle Corp

Ref. No.	Part No.	Description	Amt. Req.	Ref. No.	Part No.	Description	Amt. Req.
1	B-1805-280-000	Oscillating rock shaft	1	22	B-1817-280-0A0	Shuttle race ring	1
2	CS-0791016-SH	. . . Thrust collar (small)	1	23	B-1818-280-000	Shuttle	1
3	SS-8110520-TP	 Clamp screw	4	25	B-1820-280-000	Shuttle race latch (right)	1
4	NS-6660430-SP	Nut, for hinge screw	1	26	B-1823-280-000	Spring, for shuttle race	2
5	B-1803-280-000	Oscillating rock shaft hinge pin	1	27	B-1822-280-000	Shuttle race latch shaft	2
6	SS-7150940-SP	. . . Clamp screw	1	28	B-1814-280-000	Shuttle race	1
7	B-1804-280-000	Thrust collar (large) for oscillating rock	1	29	B-1815-280-000	Shuttle race spring	1
*8	B-1812-280-0A0	Shuttle driver asm.	1	30	SS-6060410-TP	. . . Screw	2
8a	B-1812-280-000	Shuttle driver	①	31	B-1819-280-000	Shuttle race adjusting shaft	1
8b	B-1813-280-000A	. . . Spring	①	32	SS-7110510-TP	. . . Screw	1
8c	SS-2060320-SP	 Screw	②	33	SS-6151220-SP	Clamp screw, for shuttle race	1
9	SS-6121212-TP	. . . Clamp screw	1	34	B-1824-280-0A0	Cylinder arm cap complete	1
10	B-1811-280-0A0	Shuttle driver shaft with crank	1	35	B-1826-280-000	. . . Spring	1
11	CS-0800816-SH	. . . Thrust collar	1	36	SS-6111010-TP	 Clamp screw	1
12	SS-6110420-TP	 Clamp screw	2	37	B-1411-804-B00	Connecting rod bearing	1
13	B-1810-280-000	. . . Bushing	1	38	SD-0801021-TP	. . . Hinge screw	1
14	B-1809-280-00B	. . . Needle bearing	1				
15	B-1808-280-000	Washer, for shuttle driver shaft crank	1				
16	B-1807-280-000	Slide block, for shuttle driver shaft crank	1				
17	B-1801-280-000	Shuttle drive connecting rod	1				
18	SS-7111110-SP	. . . Clamp screw	2				
19	B-1828-280-0A0	Bobbin case	1				
20	B-1827-280-000	Bobbin	1				
21	B-1821-280-000	Shuttle race latch (left)	1				

6. THREAD TRIMMER & NEEDLE PLATE COMPONENTS

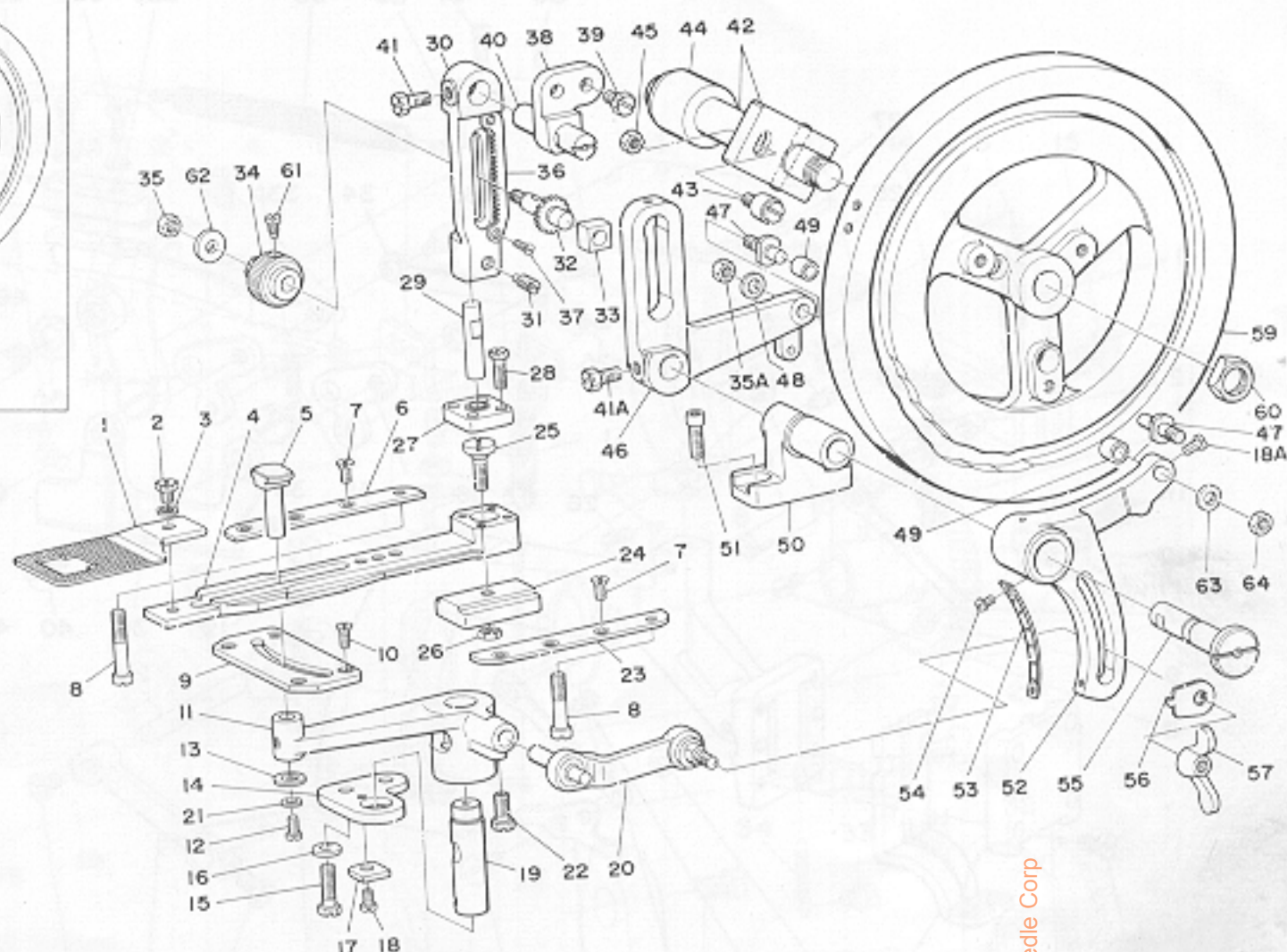
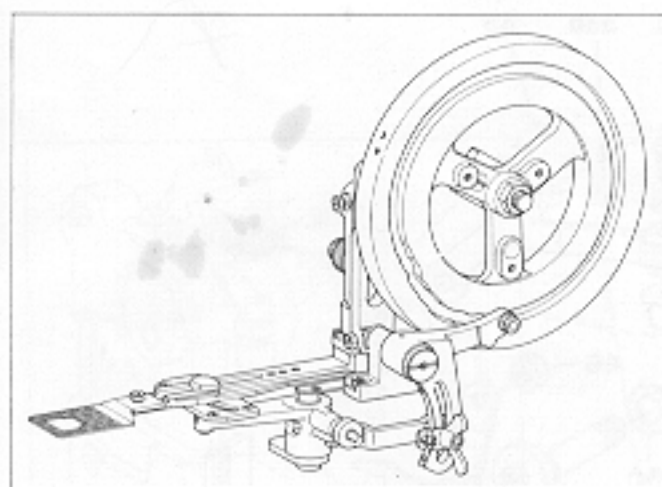


Ref. No.	Part No.	Description	Amt. Req.
1	B2425-280-0A0	Needle plate	1
2	SS-1110640-TP	Screw	4
3	B2426-280-000	Needle hole guide	1
4	SS-2060220-SP	Screw	2
5	B2424-280-000	Counter knife	1
6	SS-7090410-SP	Screw	2
7	B2418-280-000	Moving knife connecting link	1
8	B2415-280-0A0	Moving knife driving lever, small	1
9	B2416-280-000	Collar	1
10	B2413-280-000	Knife driving bar, large	1
11	B2414-280-0A0	Moving knife driving lever, large	1
12	SS-6110430-TP	Screw	1
13	SS-7110510-SP	Connecting screw	1
14	B2421-280-0A0	Moving knife	1
15	B2423-280-00A	Washer (t=0.4)	(1)
	B2423-280-00B	Washer (t=0.5)	1
	B2423-280-00C	Washer (t=0.6)	(1)
	B2423-280-00D	Washer (t=0.7)	(1)

Ref. No.	Part No.	Description	Amt. Req.
16	SD-0500091-TP	Hinge screw	1
17	B2408-280-000	Knife driving bar connecting link	1
18	B2409-280-000	Mounting base	1
19	SD-0790303-SP	Hinge screw	1
20	SD-0650305-TP	Hinge screw, for knife driving bar	3
21	NS-6120310-SP	Nut	3
22	B1110-280-000	Tension spring suspension	1
23	B2407-280-000	Knife driving rod	1
24	B2410-280-000	Tension spring	1
25	B2412-280-000	Suspension, upper	1
26	SS-7110720-SP	Screw	2
27	B2401-280-0A0	Knife driving rod tripping arm	1
28	B2403-280-000	Stud	1
29	B2404-280-000	Cam roller	2
30	SS-6152440-SP	Screw, for stud	1

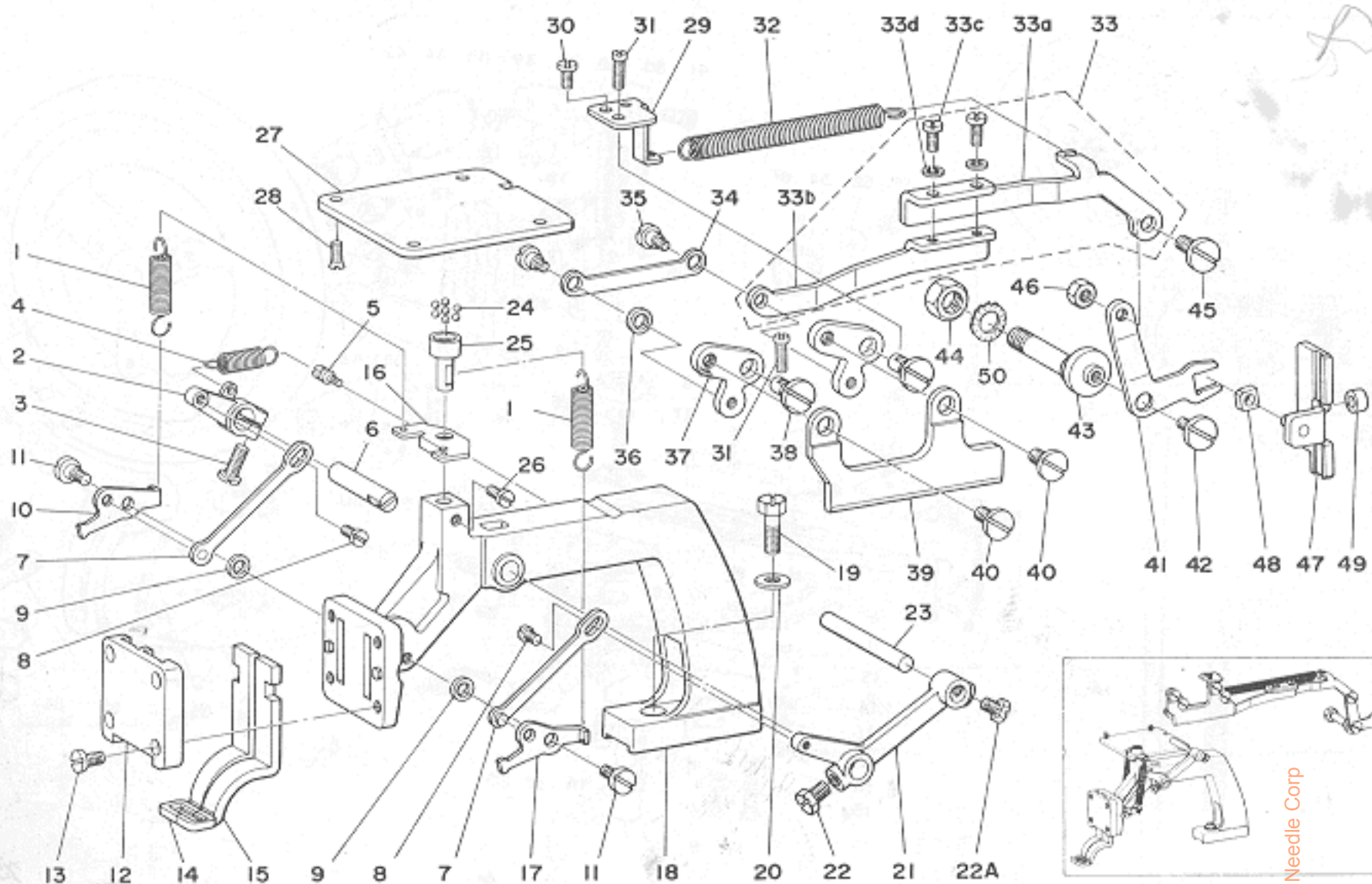
From the library of: Diamond Needle Corp

7. FEED CAM COMPONENTS



Ref. No.	Part No.	Description	Amt. Req.	Ref. No.	Part No.	Description	Amt. Req.
1	B-2519-280-000	Feed plate	1	34	B-2511-280-000	Feed regulator knob	1
2	SS-9150710-TP	. . . Screw	1	35	NS-6150310-SP	. . . Nut	1
3	WP-0651056-SD	. . . Washer	1	36	B-2508-280-000	Feed regulator rack	1
4	B-2518-280-000	. . . Carrier bar	1	37	SS-1090920-SP	. . . Screw	2
5	B-2533-280-000	Feed across driving block	1	38	B-2505-280-000	Feed regulator supporting plate	1
6	B-2515-280-000	Feed plate carrier bar guide plate, right	1	39	SS-9151630-CP	. . . Screw	2
7	SS-1110821-TP	. . . Screw (A)	6	40	B-2517-280-000	. . . Stud	1
8	SS-7112420-SP	. . . Screw (B)	2	41	SS-9151630-CP	 Screw	1
9	B-2534-280-000	Slide plate, for feed across driving block	1	42	B-2201-280-0A0	Worm wheel shaft complete	1
10	SS-2110910-SL	. . . Screw	4	43	B-2207-280-000	Feed cam position stud	1
11	B-2530-280-000	Feed across driving arm	1	44	B-2202-280-000	Worm wheel shaft bushing	1
12	SS-7110740-TP	Screw, for driving block	1	45	NS-6660511-SP	Nut, for position stud	1
13	B-2557-280-00B	Washer, for driving arm	1	46	B-2503-280-000	Feed driving arm	1
14	B-2535-280-000	Supporting plate, for driving arm	1	41A	SS-9151120-CP	. . . Screw	1
15	SS-9151910-SN	. . . Screw	2	47	B-2501-280-000	Feed cam roller shaft	2
16	WP-0612516-SD	. . . Washer	2	35A	NS-6660430-SP	. . . Nut	1
17	B-2532-280-000	Stopper, for feed across driving arm stud	1	48	WP-0651056-SD	. . . Washer	1
18	SS-7110510-SP	. . . Screw	1	49	B-2502-280-00B	Feed cam roller 9.5 φ (previous parts)	(2)
19	B-2531-280-000	Feed across driving arm stud	1		B-2502-280-800	Feed cam roller 11 φ (new parts)	2
20	B-2524-280-0A0A	Feed across driving arm connecting rod	1	50	B-2523-280-000	Feed driving arm bracket	1
21	WP-0501016-SD	Washer, for driving block	1	51	SM-6081542-CP	. . . Screw	2
22	SS-9661230-CP	Screw, for connecting rod	1	52	B-2521-280-000	Feed across regulator	1
23	B-2516-280-000	Feed plate carrier bar guide plate, left	1	53	B-2529-280-000	Feed across scale	1
24	B-2512-280-000	Feed plate carrier bar slide plate	1	54	SS-3090510-SP	. . . Screw	2
25	SD-0790433-TP	Hinge screw, for feed plate carrier bar	1	55	B-2522-280-000	Feed across regulator shaft	1
26	NS-6150310-SP	. . . Nut	1	56	B-2554-280-000	Indicator	1
27	B-2514-280-000	Ball joint connection	1	57	B-2528-280-000	Wing nut	1
28	SS-9121410-TP	. . . Screw	4	63	WP-0650876-SD	. . . Washer	1
29	B-2513-280-000	Feed regulator pin	1	64	NS-6660511-SP	. . . Nut	1
30	B-2504-280-000	Feed regulator	1	59	B-2209-280-000	Feed cam (groove width 9.5 mm) (previous part)	(1)
31	SS-8151350-SP	. . . Pin set screw	1		B-2209-280-000A	Feed cam (groove width 11 mm) (new part)	1
32	B-2506-280-0A0	Pinion	1	60	NS-6361040-SP	Worm wheel shaft set nut	1
33	B-2507-280-000	Slide block	1	61	B-2510-280-000	Screw, for feed regulator knob	1
				62	WP-0612516-SD	. . . Washer	1

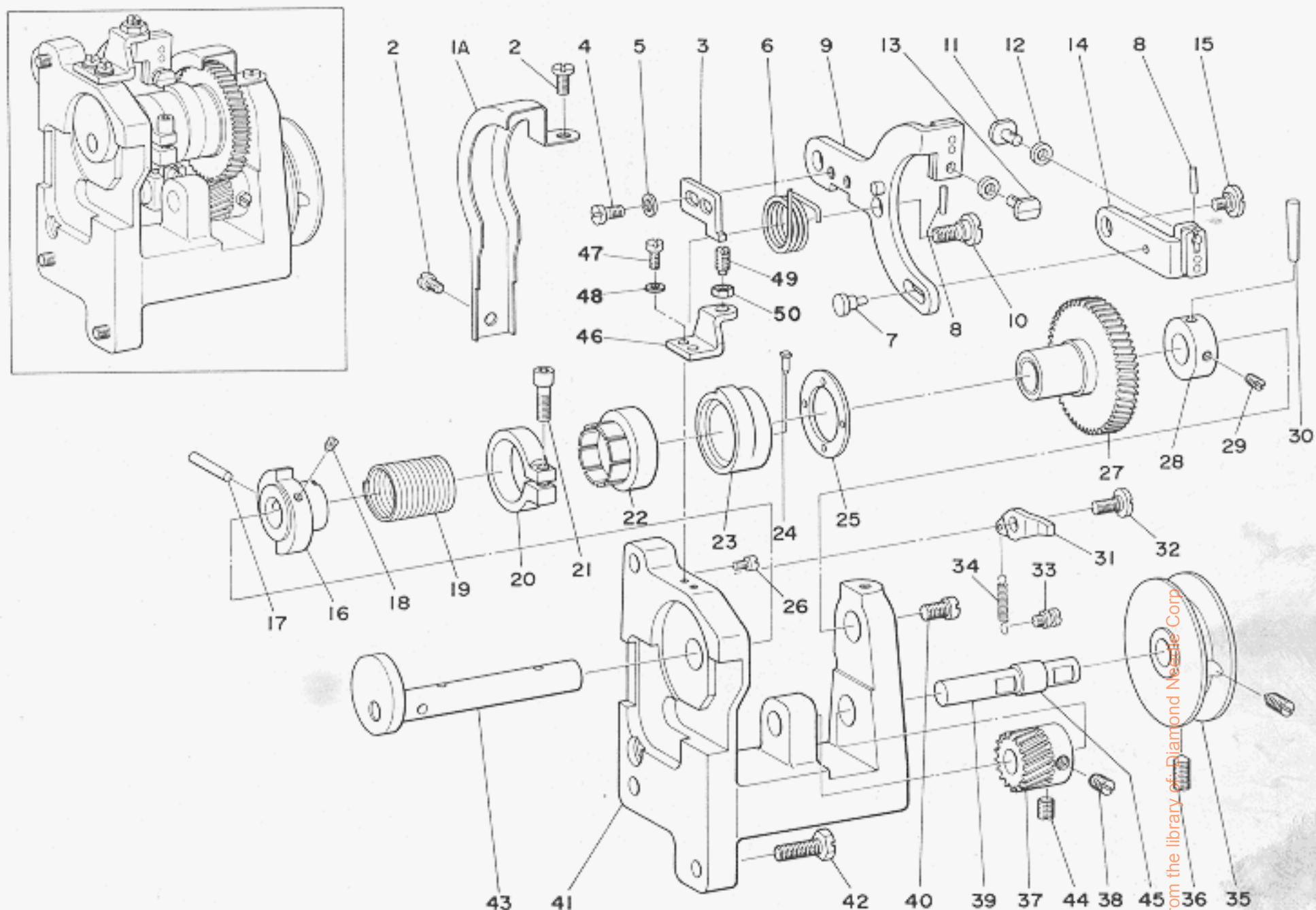
8. WORK CLAMP FOOT COMPONENTS



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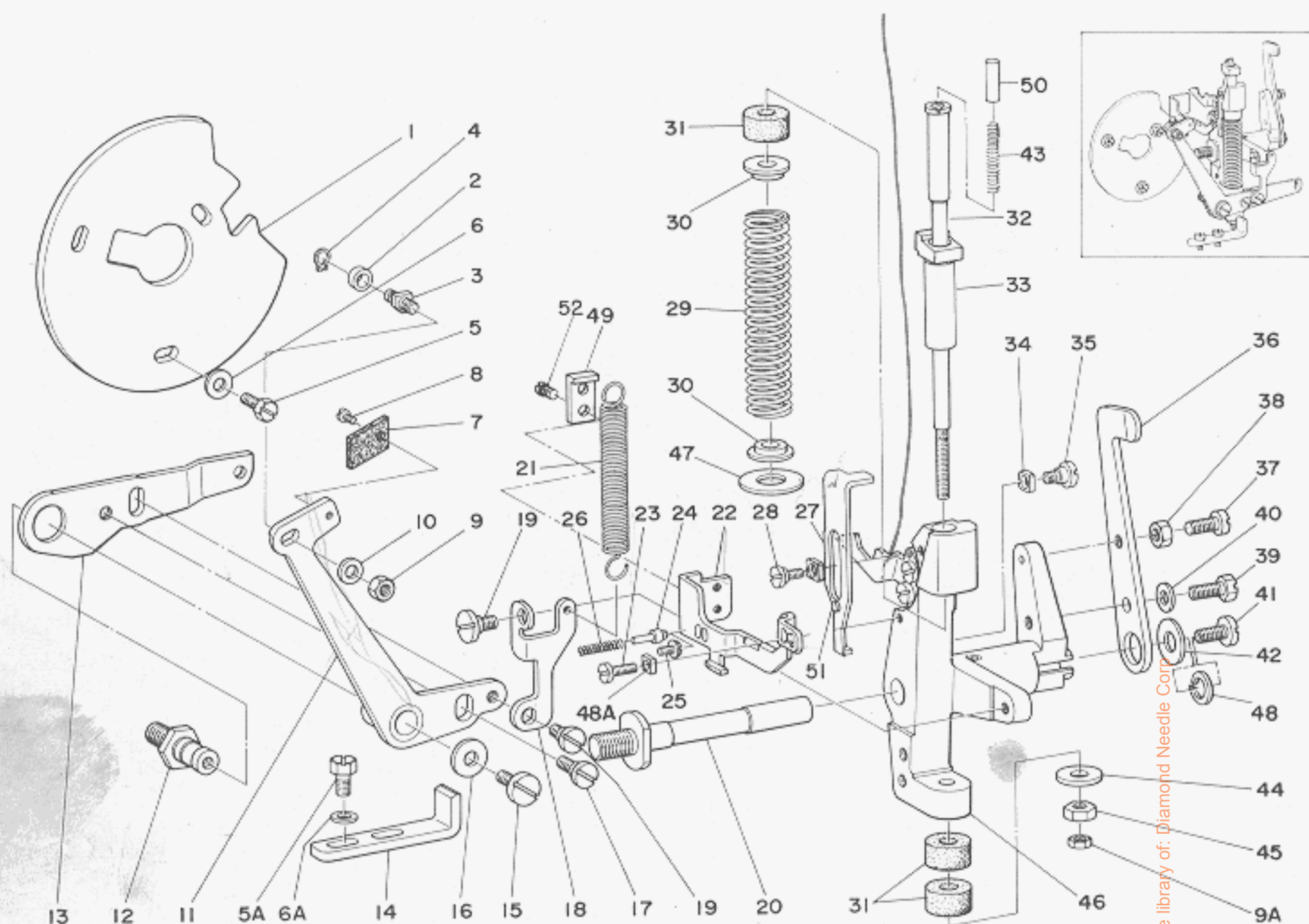
Ref. No.	Part No.	Description	Amt. Req.	Ref. No.	Part No.	Description	Amt. Req.
1	B-2545-280-000	Pressure spring	2	29	B-1514-280-000A	Spring suspension	1
2	B-2538-280-000	Work clamp foot lifting lever, small	1	30	SS-7110710-SP	. . . Screw	1
3	SS-6121212-TP	. . . Screw	1	32	B-1513-280-000	Tension spring	1
4	B-2556-280-000	. . . Spring,	1	*33	B-1506-280-0A0	Work clamp foot lowering lever asm.	1
5	B-2036-372-000	 Suspension	1	33a	B-1506-280-000	Work clamp foot lowering lever (A)	①
6	B-2539-280-000	. . . Stud	1	33b	B-1507-280-000	Work clamp foot lowering lever (B)	①
7	B-2540-280-0A0	. . . Link	2	33c	SS-7110910-TP	. . . Screw	②
8	SS-6110620-TP	 Screw	2	33d	WS-0451040-KP	. . . Spring washer	②
9	B-2544-280-000	Washer, for work clamp foot hook	2	34	B-1503-280-000	Work clamp foot lowering link	1
10	B-2542-280-000	Work clamp foot hook, right	1	35	SD-0640602-SP	. . . Screw	2
11	SD-0600452-TP	. . . Hinge screw	2	36	B-1504-280-000	. . . Collar	1
12	B-2547-280-000	Work clamp foot face plate	1	37	B-1502-280-000	Work clamp foot lowering plate	2
13	SS-7120910-SP	. . . Screw	4		driving arm		
14	B-2551-280-000	Work clamp foot, right	1	38	B-1505-280-000	. . . Stud	2
15	B-2552-280-000	Work clamp foot, left	1	31	SS-6111110-SP	 Screw	2
16	B-2546-280-000	Pressure spring suspension	1	39	B-1501-280-000	Work clamp foot lowering plate	1
17	B-2543-280-000	Work clamp foot hook, left	1	40	SD-0790431-SP	. . . Hinge screw	2
18	B-2536-280-000	Work clamp foot mounting base	1	41	B-1508-280-000	Work clamp foot lowering fork	1
19	SS-9151630-CP	. . . Screw	1	42	SS-6110630-TP	. . . Screw	1
20	WP-0621016-SD	. . . Washer	1	43	B-1509-280-000	. . . Stud	1
21	B-2537-280-000	Work clamp foot lifting lever, large	1	44	NS-6740510-SP	 Nut	1
22	SS-9660940-SP	. . . Screw	1	45	SD-0720332-SP	Hinge screw, for lowering lever	1
23	B-2555-280-000	Work clamp foot lifting shaft	1	46	NS-6150310-SP	. . . Nut	1
22A	SS-9660940-SP	. . . Screw	1	47	B-1515-280-0A0	Work clamp foot lowering slide plate	1
24	B-2549-280-000	Ball, for work clamp foot mounting base	7		plate		
25	B-2548-280-000	. . . Retainer	1	48	B-1510-280-000	. . . Slide block	1
26	SS-7120910-SP	. . . Screw	1	49	B-2404-280-000	. . . Roller	1
27	B-2550-280-000	. . . Support plate	1	50	B-1516-280-000	Teethed washer	1
28	SS-2110920-TP	 Screw	4				

9. PEDAL PRESSURE DECREASING UNIT COMPONENTS



Ref. No.	Part No.	Description	Amt. Req.	Ref. No.	Part No.	Description	Amt. Req.
1	B-3001-280-0A0	Pedal pressure decreasing unit	(1)	26	SS-6090640-SP	Screw, for work clamp lifting spring	1
1A	B-3006-280-000	Cover, for gear	1	27	B-3004-280-0A0	Pressure decreasing gear, large	1
2	SS-7110510-SP	. . . Screw	2	28	B-3016-280-000	Thrust collar, for shaft	1
3	B-3031-280-000	Safety adjusting plate	1	29	SS-8110510-SP	. . . Screw	1
4	SS-6111010-TP	. . . Screw	2	30	PT-0402200-C0	. . . Pin	1
5	WP-0450801-SD	. . . Washer	2	31	B-3028-280-000	Reverse rotation preventing latch	1
6	B-3027-280-000	Spring, for work clamp lifting lever	1	32	SD-0600321-SP	. . . Hinge screw	1
7	B-3026-280-000	. . . Pin	1	33	B-1110-280-000	Spring suspension	1
8	B-3023-280-000	Pin, for stopper	2	34	B-3029-280-000	Spring, for reverse rotation preventing latch	1
9	B-3019-280-0A0	Work clamp lifting lever	1	35	B-3002-280-000	Driving pulley	1
10	SD-0790361-SP	. . . Screw	1	36	SS-8151230-SP	. . . Screw	2
11	B-3024-280-000	Stopper, for guide plate	1	37	B-3003-280-000	Pressure decreasing gear, small	1
13	B-3020-280-000	Stopper	1	38	SS-8660810-TP	. . . Screw (A)	1
12	B-3021-280-000	. . . Rubber ring	2	39	B-3007-280-000	. . . Shaft	1
14	B-3025-280-0A0	Lifting lever guide plate	1	40	SS-7150740-SP	Grease sealing screw	1
15	SD-0800271-SP	. . . Screw	1	41	B-3001-280-000	Pressure decreasing unit frame	1
16	B-3010-280-000A	Pressure decreasing clutch	1	42	SS-9152130-CP	. . . Screw	3
17	PT-0402200-SH	. . . Pin	1	43	B-3015-280-000	Pressure decreasing shaft	1
18	SS-8110510-SP	. . . Screw	1	44	SS-8660610-TP	Screw (B), for small gear	1
19	B-3009-280-000	. . . Spring	1	45	B-3034-280-000	Bushing, for pressure decreasing shaft	1
20	B-3014-280-000	Thrust collar, for sleeve	1	46	B3038-280-000	Work clamp lifting stopper plate	1
21	SS-6121212-TP	. . . Screw	1	47	SS-7111120-SP	. . . Screw	2
22	B-3013-280-000	Inner sleeve	1	48	WP-0480856-SP	. . . Washer	2
23	B-3011-280-000	Outer sleeve	1	49	SS-8151150-SP	Work clamp lifting stopper screw	1
24	B-3012-280-000	. . . Pin	2				

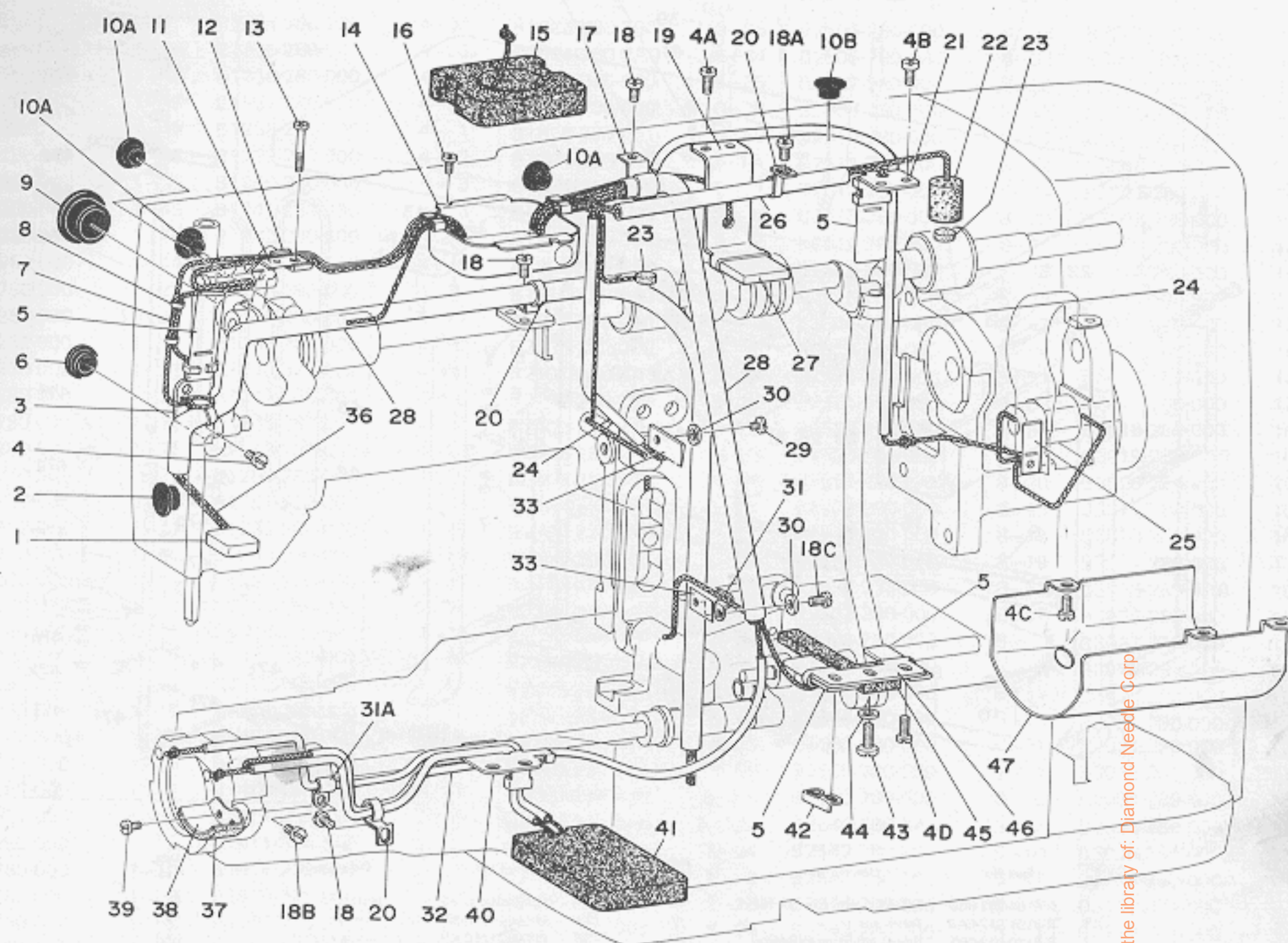
10. STOP-MOTION MECHANISM COMPONENTS



From the library of: Diamond Needle Corp.

Ref. No.	Part No.	Description	Amt. Req.	Ref. No.	Part No.	Description	Amt. Req.
1	B-2612-280-000	Stop-motion regulating cam	1	24	B-3032-280-000	Stopper pin	1
2	B-2613-280-000	Roller	1	25	SS-6110610-TP	End screw	1
3	B-2614-280-000	Shaft	1	26	B-1217-280-000	Spring	1
4	B-2615-280-000	Stop ring	1	27	B-2605-280-000A	Stop-motion lever driving lever	1
5	SS-9151120-CP	Screw	3	50	B-2624-280-000	Pin	1
6	WP-0621016-SD	Washer	3	51	B-2625-280-000	Stopper clamp pin	1
7	B-3520-280-000	Oil felt	1	28	SD-0640324-TP	Hinge screw	1
8	SS-6090630-SP	Screw	1	29	B-2606-280-000	Pressure spring, for stop link rod	1
9	NS-6150310-SP	Roller shaft set nut	1	30	B-2607-280-000	Washer	2
10	WP-0621016-SD	Washer	1	31	B-2608-280-000	Rubber cushion, for stop link rod	3
13	B-2619-280-000	Starting lever	1	32	B-2604-280-000A	Stop link rod	1
11	B-2616-280-0A0	Stop-motion regulating lever complete	1	33	B-2603-280-000A	Latch	1
12	B-2618-280-000	Stud	1	34	B-2609-280-000	Slide block	2
14	B-2621-280-000	Stopper, for starting lever	1	35	SD-0640323-TP	Hinge screw	1
5A	SS-9151120-CP	Screw	2	36	B-2611-280-000	Driving pulley pressing plate	1
6A	WP-0621016-SD	Washer	2	37	SS-6151440-SP	Adjusting screw	1
15	SS-7151330-SP	Screw, for regulating lever	1	38	NS-6150540-SP	Nut	1
16	WP-0612056-SD	Washer	1	39	SS-9151440-CP	Screw	1
17	SD-0790511-SP	Hinge screw, for starting lever	1	40	WP-0621016-SD	Washer	1
18	B-2620-280-000	Stop-motion connecting lever	1	41	SS-7151330-SP	Screw, for stop-motion lever	1
19	SD-0720331-SP	Hinge screw	2	42	WP-0612056-SD	Washer	1
20	B-2602-280-000	Stop-motion lever installing shaft	1	43	B-2622-280-000A	Spring, for stop-motion lever driving plate	1
21	B-2610-280-000	Stop-motion lever tension spring	1	44	WP-0612056-SD	Washer, for rubber cushion	1
22	B-3030-280-000A	Safety plate	1	45	NS-6150440-SP	Pressure spring adjusting nut, large	1
23	SS-6111440-SP	Screw	1	9A	NS-6150310-SP	Pressure spring adjusting nut, small	1
48A	B-3035-280-000	Slide block	1	46	B-2601-280-0A0A	Stop-motion lever	1
49	B-3036-280-000	Latch	1	47	WP-0751576-SD	Washer, for rubber cushion	1

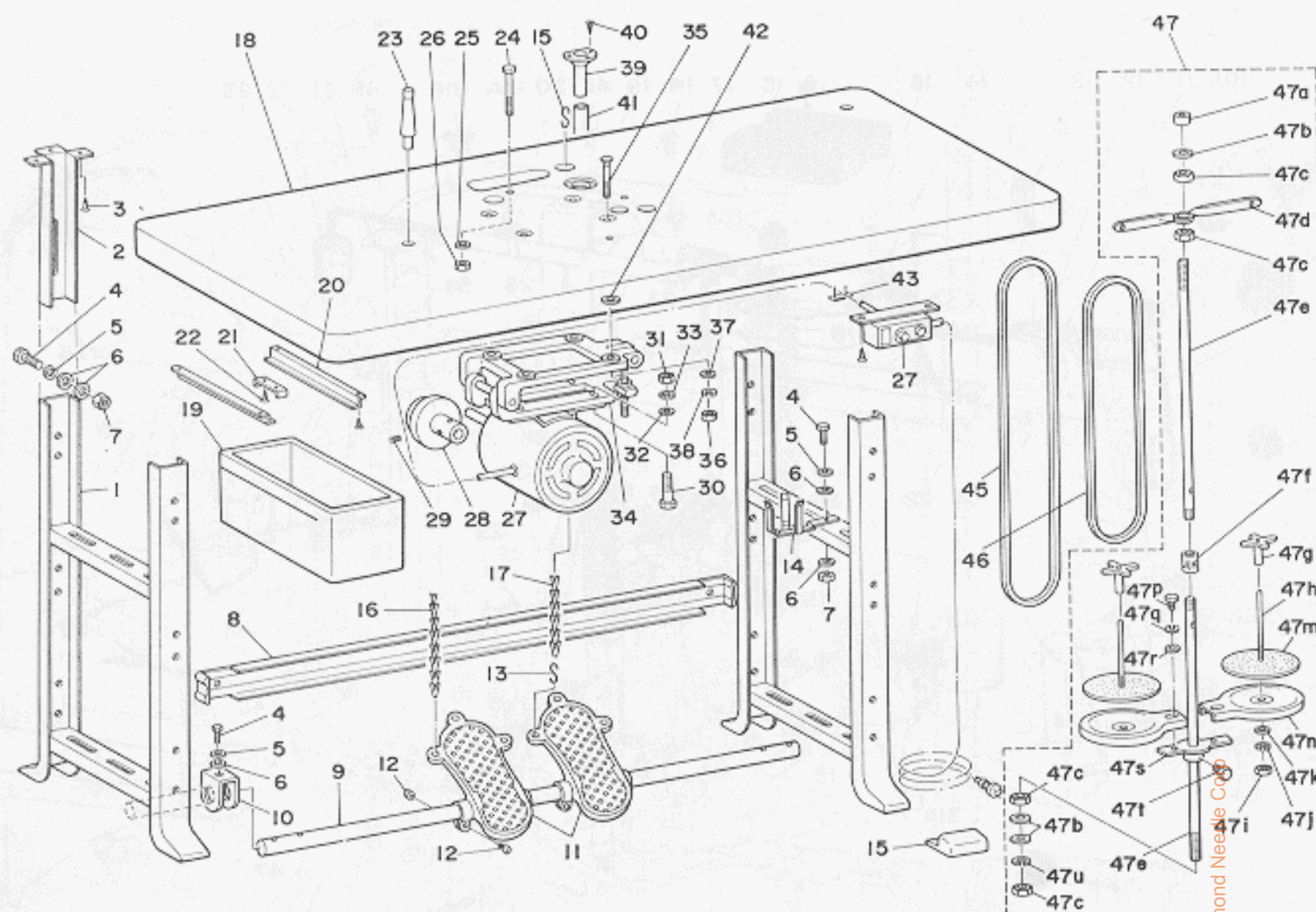
11. OIL LUBRICATION MECHANISM COMPONENTS



From the library of: Diamond Needle Corp

Ref. No.	Part No.	Description	Amt. Req.	Ref. No.	Part No.	Description	Amt. Req.
1	B-3507-280-000	Oil felt	1	25	B-3521-280-000	Oil sponge, for gear	1
2	B-1179-552-000	Face plate rubber plug	1	26	BP-6000000-00	Vinyl tube, 6 φ	1
3	B-3506-280-000	Oil wick holder, for needle bar crank	1	27	B-3213-232-000	Oil felt, for worm	1
4	SS-7110910-SP	. . . Screw	2	28	BP-8000000-00	Vinyl tube, 8 φ	1
5	B-3509-280-000	Oil sponge	4	29	SS-7090320-SP	Oil sponge set screw	1
6	B-1159-581-000	Rubber plug, large	1	30	WP-0480856-SP	. . . Washer, small	2
7	CQ-2520000-00	Oil wick	1	31	B-3538-112-000	Oil wick presser plate	1
8	B-1419-026-000	. . . Holder	3	18C	SS-7110710-SP	. . . Screw	1
9	B-1165-415-000	Rubber plug, for counterweight set screw	1	33	B-3517-280-000	Oil sponge, for feed driving arm	2
10A	B-1187-552-000	Rubber plug, medium	3	36	B-3541-012-000	Oil return felt	1
10B	B-1187-552-000	Rubber plug, for top cover	1	37	B-3504-280-000	Oil felt, for shuttle race	1
11	B-3518-280-000	Oil sponge, for take-up lever	1	38	B-3505-280-000	. . . Presser plate	1
12	B-3508-280-000	. . . Holder	1	39	SS-6090510-TP	 Screw	2
13	SS-6092120-SP	 Screw	1	31A	B-3523-280-000	Oil wick holder	1
14	B-3501-280-000	Oil tank	1	18B	SS-7110710-SP	. . . Screw	1
15	B-3502-280-000	. . . Felt	1	40	B-3522-280-000	Oil wick holder	1
16	SS-7090520-SP	. . . Screw	2	41	B-3503-280-000	Oil drip felt	1
17	B-3523-280-000	Oil tube holder	1	42	B-3539-112-000	Oil wick holder	1
18	SS-7110710-SP	. . . Screw	1	43	SS-6111140-SP	Oil felt set screw	1
19	B-3510-280-000	Oil felt installing plate, for worm	1	44	WP-0520656-SA	Oil sponge set washer	1
4A	SS-7110910-SP	. . . Screw	2	45	B-3515-280-000	Oil wick supporting felt	1
20	B-3523-280-000	Oil tube holder	3	46	B-3513-280-000	Oil felt supporting plate	1
18A	SS-7110710-SP	. . . Screw	3	4D	SS-7110910-SP	. . . Screw	2
21	B-3512-280-000	Oil felt installing plate	1	47	B-3524-280-000	Oil guard	1
4B	SS-7110910-SP	. . . Screw	2	4C	SS-7110910-SP	. . . Screw	1
22	B-3519-280-000	Oil felt, for main shaft rear bushing	1				

12. TABLE COMPONENTS



Ref. No.	Part No.	Description	Amt. Req.	Ref. No.	Part No.	Description	Amt. Req.
*	B-8101-232-0B0	Table leg asm. (No. 1—15)	1	(31)	NM-6060001-SE	... Nut	(4)
1	B-8101-012-0A0	Table legs	(2)	(32)	WP-0611616-SC	... Washer	(4)
2	B-8120-012-000	Height adjusting extension	(4)	(33)	WS-0621210-KR	... Spring washer	(4)
3	SK-1483200-SE	... Screw	(12)	(34)	B-7101-761-BA0	Motor installing base asm.	1
4	SM-9082023-SE	... Clamp screw	(15)	*	MTJ-MS000005	Motor installing base set bolt asm.	4
5	WS-0861410-KR	... Spring washer	(15)	35	MTJ-MS000000	Motor installing base set bolt	(4)
6	WP-0871602-SE	... Washer	(15)	36	NS-6200710-SN	... Nut	(4)
7	NM-6080721-SE	... Nut	(15)	37	WP-0850002-SC	... Washer	(4)
8	B-8122-012-000	Leg side support	(2)	38	WS-0902010-KN	... Spring washer	(4)
9	B-8123-012-000	Leg bottom support	(1)	39	B-8236-771-000	Oil drain funnel	1
10	B-8124-012-000	... Bracket	(2)	40	SK-1211000-SC	... Screw	3
11	B-8101-232-000	Pedal	(2)	41	B-8103-771-000	Oil drain tube	1
12	B-8102-232-0A0	... Thrust collar	(2)	42	MTJ-MGC00000	Motor rubber cushion	4
13	B-8133-019-000	S-shaped hook	(4)	43	B-7108-012-000	Staple	5
14	B-8126-012-0A0	Diler holder	(1)	45	MTJ-VM004700	V-belt, for driving 2,000 s.p.m. (50 Hz)	1
15	B-8140-012-000	Rubber cushion	(4)				
16	B-8103-232-000	Chain A (accessory part for head)	(1)		MTJ-VM004600	V-belt, for driving 1,700 s.p.m. (50 Hz)	
17	B-8131-019-000	Chain B (accessory part for head)	(1)				
*	B-8201-280-0A0	Table top asm. (No. 18—26)	1		MTJ-VM004500	V-belt, for driving 1,400 s.p.m. (50 Hz)	
18	B-8201-280-000	Table top	(1)				
19	B-8203-012-000	Drawer	(1)		MTJ-VM004700	V-belt, for driving 2,000, 1,700 s.p.m. (60 Hz)	
20	B-8204-012-0A0	... Support	(2)				
21	B-8205-012-000	... Stopper	(1)		MTJ-VM004400	V-belt, 1,400 s.p.m. (60 Hz)	
22	SK-3482500-SC	... Screw	(2)				
23	B-8216-012-0A0	Head support	(1)	46	MTJ-VM003500	V-belt, for pressure decreasing 2,000 s.p.m. (50 Hz)	1
*	BNE-GSET0001	Head base set bolt asm. (No. 24—26)	3		MTJ-VM003400	V-belt, for pressure decreasing 1,700 s.p.m. (50 Hz)	
24	SS-9156830-CP	Head base set bolt	(3)		MTJ-VM003400	V-belt, for pressure decreasing 1,400 s.p.m. (50 Hz)	
25	WP-0612056-SD	... Washer	(3)		MTJ-VM003500	V-belt, for pressure decreasing 1,700 s.p.m. (60 Hz)	1
26	NS-6150310-SP	... Nut	(3)				
27	MTG-4200020S	Motor complete (with power source switch)	1		MTJ-VM003500	V-belt, for pressure decreasing 2,000 s.p.m. (60 Hz)	1
	MTH4380020S	Completely enclosed motor (380V)	(1)				
	MSH4220020S	Completely enclosed motor (220V)	(1)				
28	B-7101-280-000	Motor pulley 2,000 s.p.m. (50 Hz)	1	* 47	D-3301-555-BA0	Thread unwinder complete	1
	B-7101-280-008	Motor pulley 1,700 s.p.m. (50 Hz)		47a	B-3311-704-000	Thread guide rod rubber cap	(1)
	B-7101-280-00C	Motor pulley 1,400 s.p.m. (50 Hz)		47b	WP-1702600-S0	Thread guide position washer	(3)
	B-7102-280-000	Motor pulley 2,000 s.p.m. (60 Hz)		47c	NM-6160511-SE	Thread guide position nut	(4)
	B-7102-280-008	Motor pulley 1,700 s.p.m. (60 Hz)		47d	D-3307-555-B00	Thread	(1)
	B-7102-280-00C	Motor pulley 1,400 s.p.m. (60 Hz)		47e	B-3301-704-000	Thread guide rod	(2)
29	SS-9151160-CP	... Screw	2	47f	B-3305-704-000	... Set collar	(1)
*	BNE-GSET0002	Motor set bolt asm.	4	47g	B-3312-012-000	Spool pin washer (rubber)	(2)
30	SM-9083813-SN	Motor set bolt	(4)	47h	B-3305-012-000	Spool pin	(2)
31	NM-6080710-SN	... Nut	(4)	47i	NS-6123881-SE	... Nut	(2)
32	WP-0850002-SC	... Washer	(4)	47j	WS-0521010-KN	... Spring washer	(2)
33	WS-0902010-KN	... Spring washer	(4)	47k	WP-0560860-SE	... Washer	(2)
*	BNE-GSET0003	Completely enclosed motor set bolt asm.	(4)	47m	B-3311-012-000	Spool cap	(2)
				47n	B-3303-704-000	Spool rest	(2)
(30)	SM-9063213-CN	Completely enclosed motor set bolt	(4)	47p	SM-9050813-SE	... Screw	(2)
				47q	WS-0521010-KN	... Spring washer	(2)
				47r	WP-0520656-SA	... Washer	(2)
				47s	D-3302-555-B00	... Bracket	(1)
				47t	SM-9061080-SE	... Screw	(1)
				47u	WS-1643202-KN	Thread guide rod set spring washer	(1)

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13. NUMERICAL INDEX OF PARTS

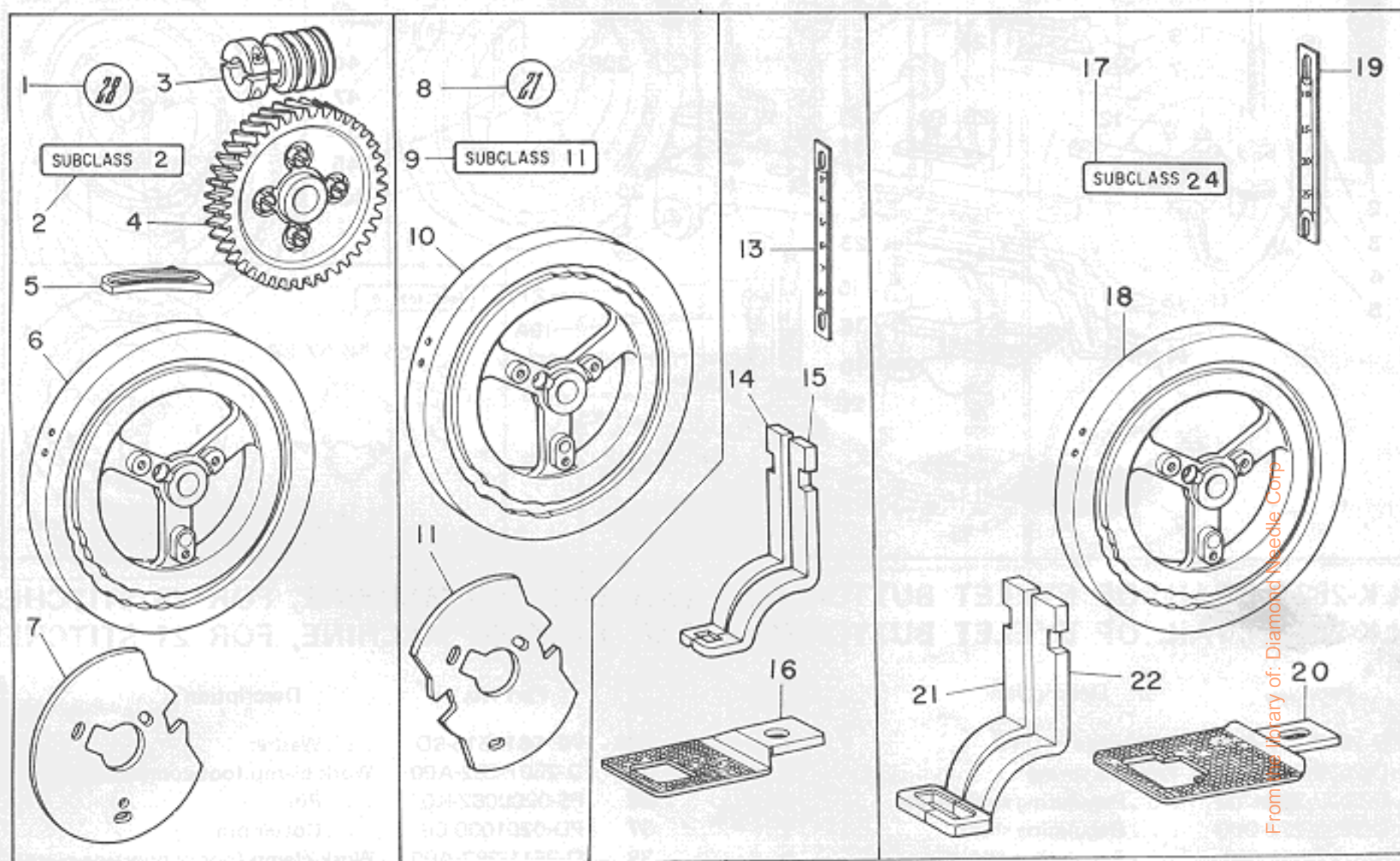
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			NS-6740510-SP	4-50		SS-6111010-TP	6-36		SS-8090610-SP	5-23h		WS-0441040-KP	4-	14b
VINYL TUBE			NS-6740510-SP	9-44		SS-6111010-TP	10-4		SS-8110510-SP	10-29		WS-0451040-KP	9-	33d
BP-3000000-00	12-24					SS-6111110-SP	9-31		SS-8110520-TP	6-3		WS-0521010-KN	13-47j	
BP-6000000-00	12-26		PIN			SS-6111140-SP	12-43		SS-8150310-SP	2-12		WS-0521010-KN	13-47c	
BP-8000000-00	12-28		PS-0300201-KP	5-13		SS-6111210-SP	1-28		SS-8151150-TP	1-36		WS-0621210-KR	13-(33)	
			PT-0402200-C0	10-30		SS-6111440-SP	11-23		SS-8151150-SP	4-37		WS-0861410-KR	13-	5
OIL WICK			PT-0402200-SH	10-17		SS-6111610-SP	4-68		SS-8151150-SP	4-65		WS-0902010-KN	13-	33
CQ-2520000-00	12-7		PT-0503200-SH	4-71		SS-6121212-TP	6-9		SS-8151150-SP	4-65A		WS-0902010-KN	13-	38
			PT-0603800-TH	4-46		SS-6121212-TP	9-3		SS-8151150-SP	10-49		WS-1643202-KN	13-47u	

14. MODEL LK-282 · LK-284 SUBCLASS PARTS BOOK

CONTENTS

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3. LK-284-24	16	8. LK-282-5	18
4. LK-282-1	17	9. LK-282-20	19
5. LK-284-4	17	10. LK-284-10	19



1. LK-282-2 SMALL SIZE BAR TACKING MACHINE, FOR 28 STITCHES

Ref. No.	Part No.	Description	Amt. Req.
1	B-1116-322-000	Stitch number plate, for 28 stitches	1
2	B-LKSUB000-02	Subclass number plate 2	1
3	D-2205-282-A00	Feed cam driving worm	1
4	D-2204-282-A00	Feed cam driving worm wheel	1
5	D-2304-282-A00	Tension release link tripping segment	1
6	D-2209-282-A00	Feed cam, (groove width 9.5 mm) (previous part)	(1)
	D-2209-282-A00A	Feed cam (groove width 11 mm) (new part)	1
7	D-2612-282-A00	Stop-motion regulating cam	1
13	D-2529-282-A00	Feed scale	1
14	D-2551-282-B00	Work clamp foot, right	1
15	D-2552-282-B00	Work clamp foot, left	1
16	D-2519-282-B00	Feed plate	1
○	All parts not mentioned above are same as those of Model LK-280.		

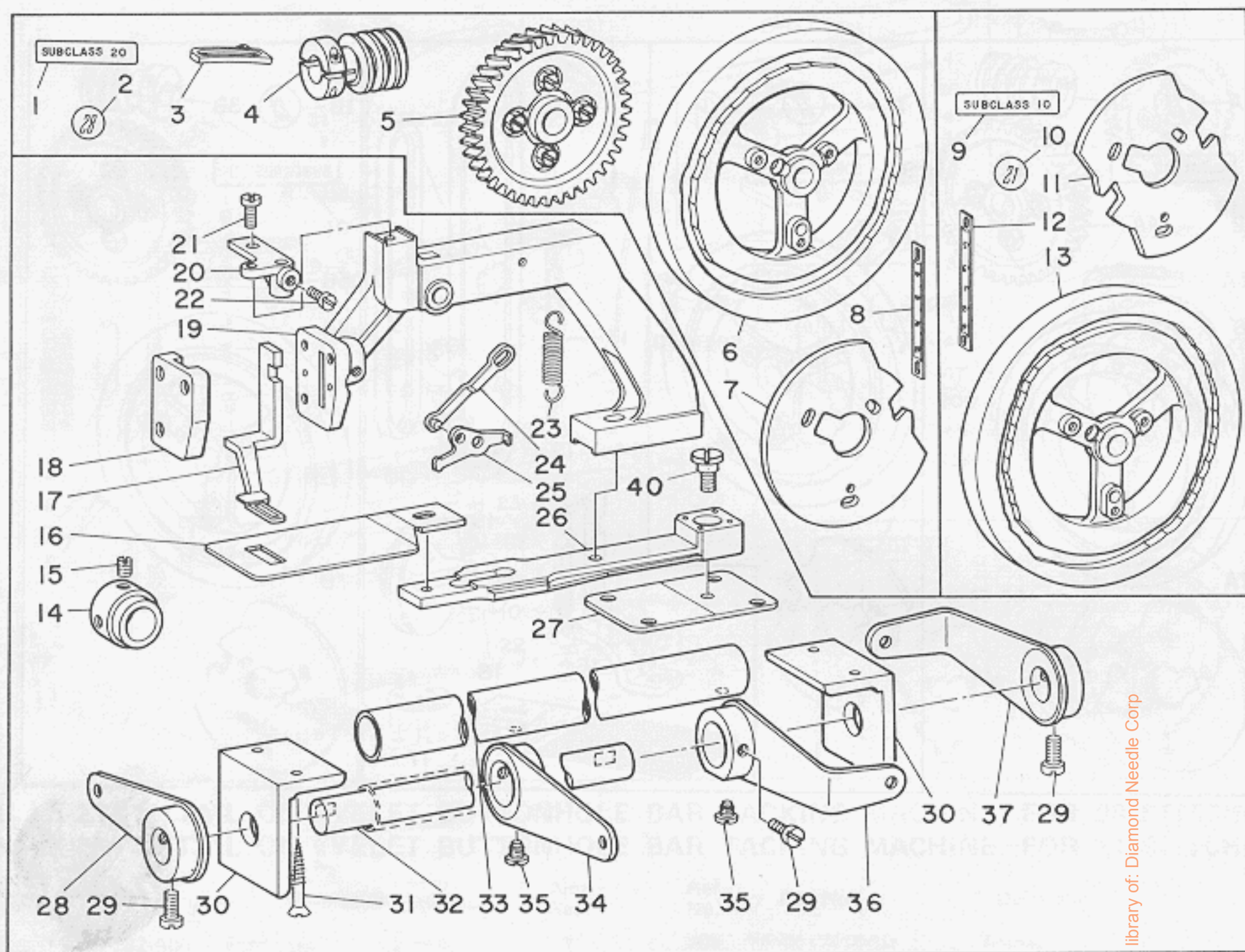
2. LK-284-11 SMALL SIZE BAR TACKING MACHINE, FOR 21 STITCHES

8	D-1116-232-B00	Stitch number plate, for 21 stitches	1
9	B-LKSUB000-11	Subclass number plate 11	1
10	D-2209-284-D00	Feed cam (groove width 9.5 mm) (previous part)	(1)
	D-2209-284-D00A	Feed cam (groove width 11 mm)	

Ref. No.	Part No.	Description	Amt. Req.
13	D-2529-282-A00	Feed scale	1
14	D-2551-282-B00	Work clamp foot, right	1
15	D-2552-282-B00	Work clamp foot, left	1
16	D-2519-282-B00	Feed plate	1
○	All parts not mentioned above are same as those of Model LK-280.		

3. LK-284-24 LARGEST SIZE BAR TACKING MACHINE

17	B-LKSUB000-24	Subclass number plate 24	1
18	D-2209-284-Z00	Feed cam (groove width 9.5 mm) (previous part)	(1)
	D-2209-284-Z00A	Feed cam (groove width 11 mm) (new part)	1
19	D-2529-L2A-F00	Feed scale	1
20	D-2519-284-Z00	Feed plate	1
21	D-2551-284-Z00	Work clamp foot, right	1
22	D-2552-284-Z00	Work clamp foot, left	1
○	All parts not mentioned above are same as those of Model LK-280.		



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9. LK-282-20 BAND LOOP BAR TACKING MACHINE FOR 28 STITCHES
10. LK-284-10 BAND LOOP BAR TACKING MACHINE FOR 21 STITCHES

Ref. No.	Part No.	Description	Amt. Req.	Ref. No.	Part No.	Description	Amt. Req.
LK-282-20 Exclusive parts				16	D-2519-284-K00	Feed plate	1
1	B-LKSUB000-20	Subclass number plate 20	1	17	D-2551-284-K00	Work clamp foot	1
2	B-1116-322-000	Stitch number plate, for 28 stitches	1	18	D-2547-284-K00	Work clamp foot face plate	1
3	D-2304-282-A00	Tension release link tripping segment	1	19	D-2536-284-K00	Work clamp foot mounting base	1
4	D-2205-282-A00	Feed cam driving worm	1	20	D-2546-284-K00	Pressure spring suspension	1
5	D-2204-282-A00	Feed cam driving worm wheel	1	21	SS-7151210-SP	. . . Screw	1
6	D-2209-282-V00	Feed cam (groove width 9.5 mm) (previous part)	(1)	22	SS-7110740-TP	Screw, for ball retainer	1
	D-2209-282-V00A	Feed cam (groove width 11 mm) (new part)	1	23	D-2545-284-K00	Pressure spring	1
7	D-2612-282-A00	Stop-motion regulating cam	1	24	D-2540-284-K00	Work clamp foot lifting link	1
8	D-2529-284-K00	Feed scale	1	25	D-2543-284-K00	Work clamp foot hook, left	1
LK-284-10 Exclusive parts				26	D-2518-284-K00	Feed plate carrier bar	1
9	B-LKSUB000-10	Subclass number plate 10	1	40	SD-0790402-TP	. . . Hinge screw	1
10	B-1116-322-000	Stitch number plate, for 21 stitches	1	27	D-2515-284-K00	. . . Guide plate	1
11	D-2612-284-D00	Stop-motion regulating cam	1	28	D-3407-284-KAB	Pressure decreasing pedal lever (small) asm.	1
12	D-2529-284-K00	Feed scale	1	29	SS-6661110-SP	Screw, for pedal lever	6
13	D-2209-284-K00	Feed cam (groove width 9.5 mm) (previous part)	(1)	30	D-3403-284-K00	Pedal connecting rod bracket	2
	D-2209-284-K00A	Feed cam (groove width 11 mm) (new part)	1	31	SK-1413200-SC	. . . Screw	4
LK-282-20-LK-284-10 Common parts				32	D-3401-284-K00	Pressure decreasing pedal connecting rod	1
14	D-2560-284-K00	Feed rod thrust collar	1	33	D-3402-284-KA0	Starting pedal pipe asm.	1
15	SS-8150710-TP	. . . Screw	2	34	D-3407-284-KAA	Starting pedal lever (small) asm.	1
				35	D-3408-284-K00	Screw, B, for starting pedal	2
				36	D-3406-284-KAA	Starting pedal lever (large) asm.	2
				37	D-3406-284-KAB	Pressure decreasing pedal lever (large) asm.	1
					D-8201-284-K00	Table, for band loop bar tacking machine	(1)