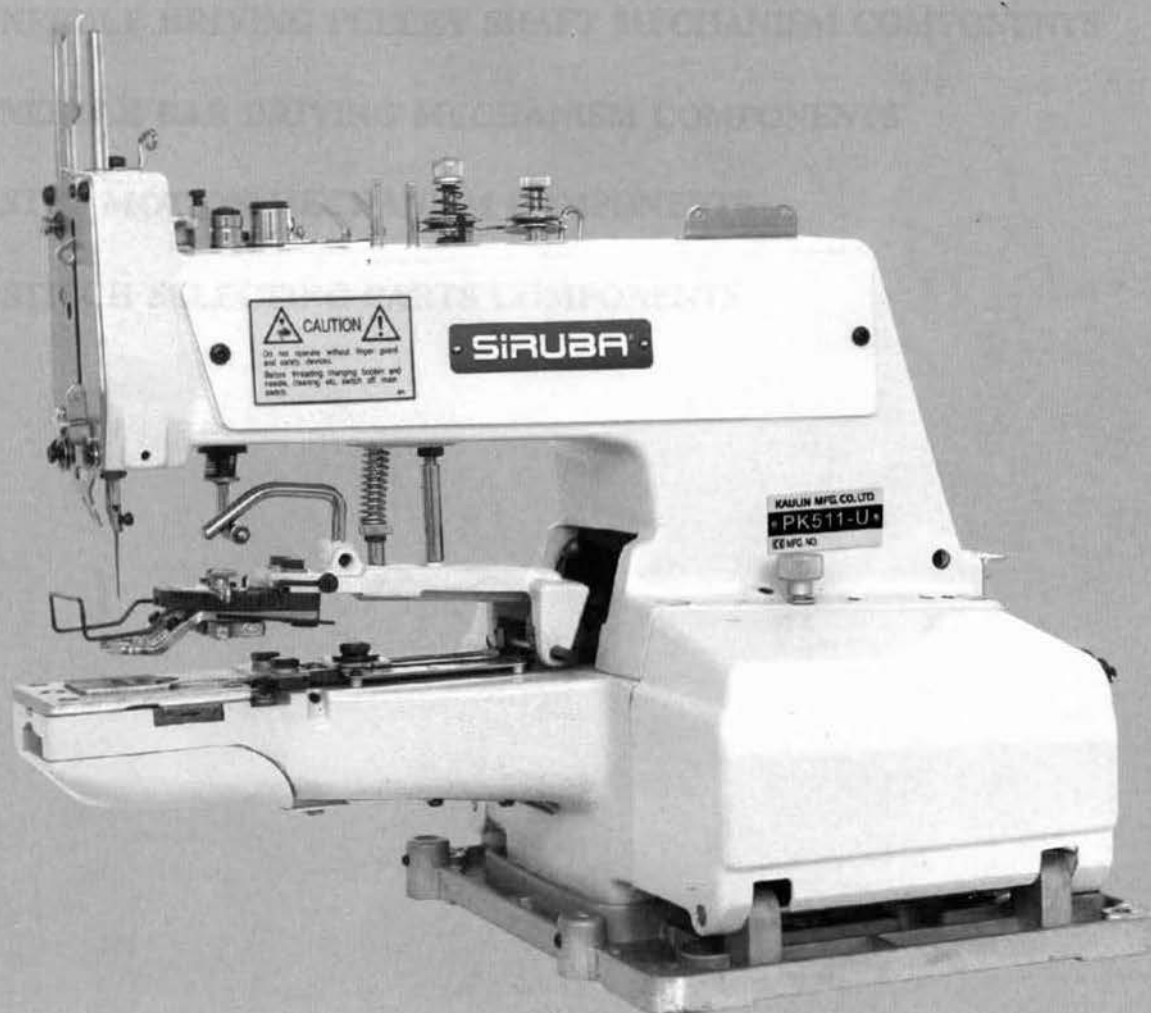


SIRUBA®

銀箭牌工業用縫紉機
INDUSTRIAL SEWING MACHINE

PK511

使用說明與零件圖 INSTRUCTION AND PARTS LIST



CE



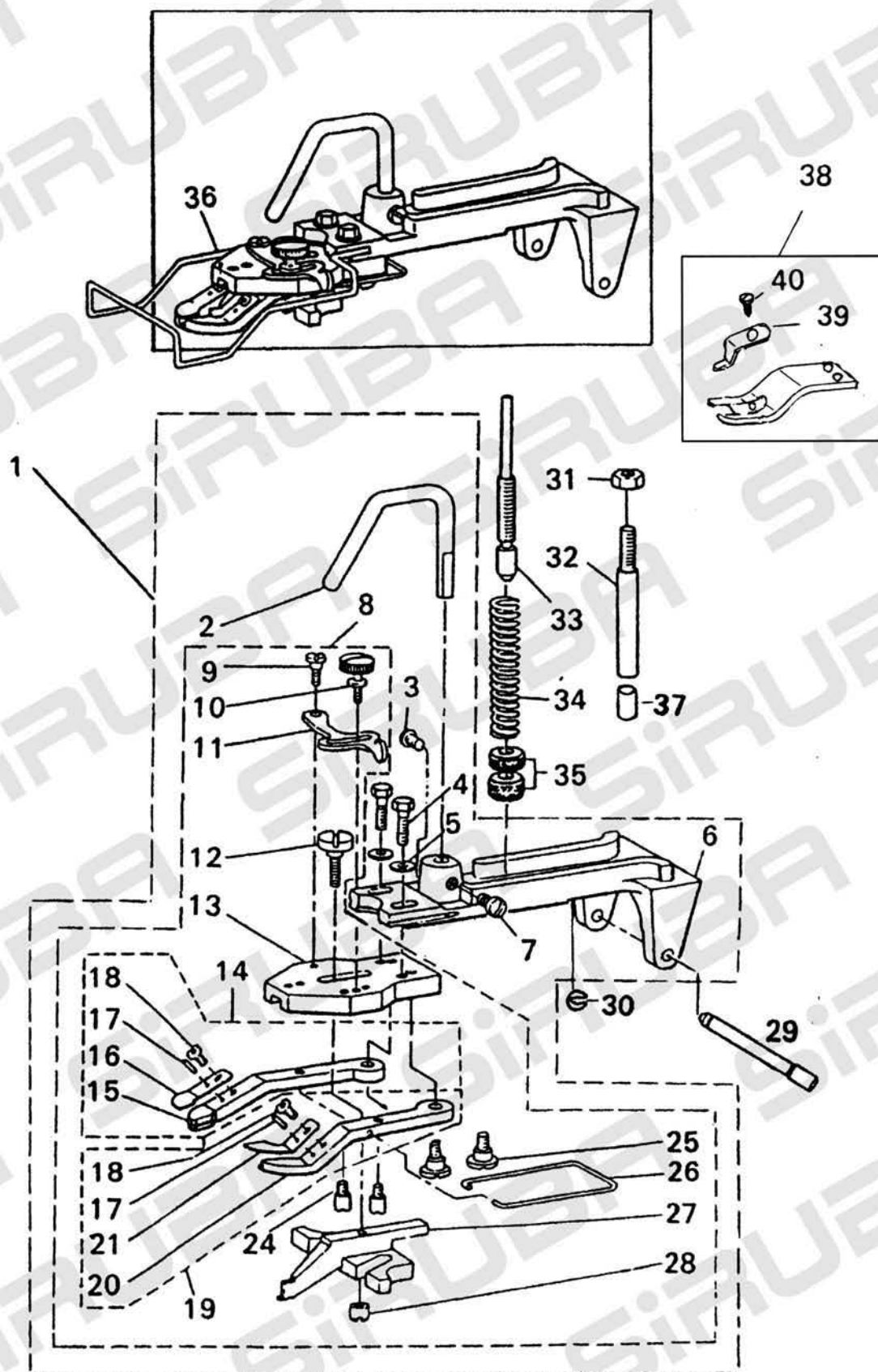
高林股份有限公司
KAULIN MFG. CO., LTD.

From the library of: Superior Sewing Machine & Supply LLC

CONTENTS

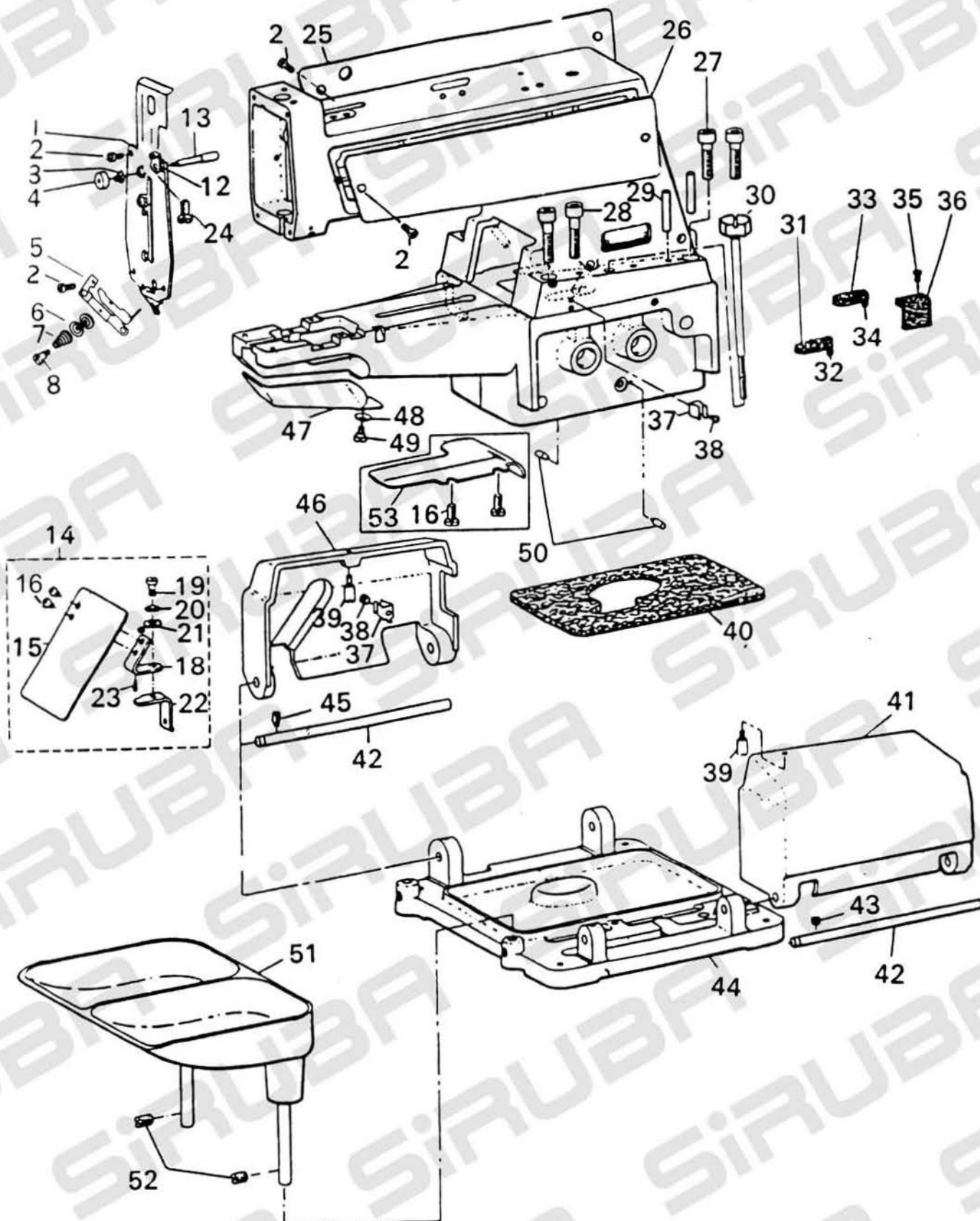
1. **BUTTON CLAMP MECHANISM COMPONENTS**
2. **MACHINE ARM & MISCELLANEOUS COVERS COMPONENTS**
3. **LOOPER SHAFT MECHANISM COMPONENTS**
4. **NIPPER & THREAD HANDLING PARTS COMPONENTS**
5. **FEED PLATE COMPONENTS**
6. **BUTTON CLAMP LIFTER COMPONENTS**
7. **NEEDLE DRIVING PULLEY SHAFT MECHANISM COMPONENTS**
8. **NEEDLE BAR DRIVING MECHANISM COMPONENTS**
9. **STOP MOTION MECHANISM COMPONENTS**
10. **STITCH SELECTING PARTS COMPONENTS**

1. BUTTON CLAMP MECHANISM COMPONENTS



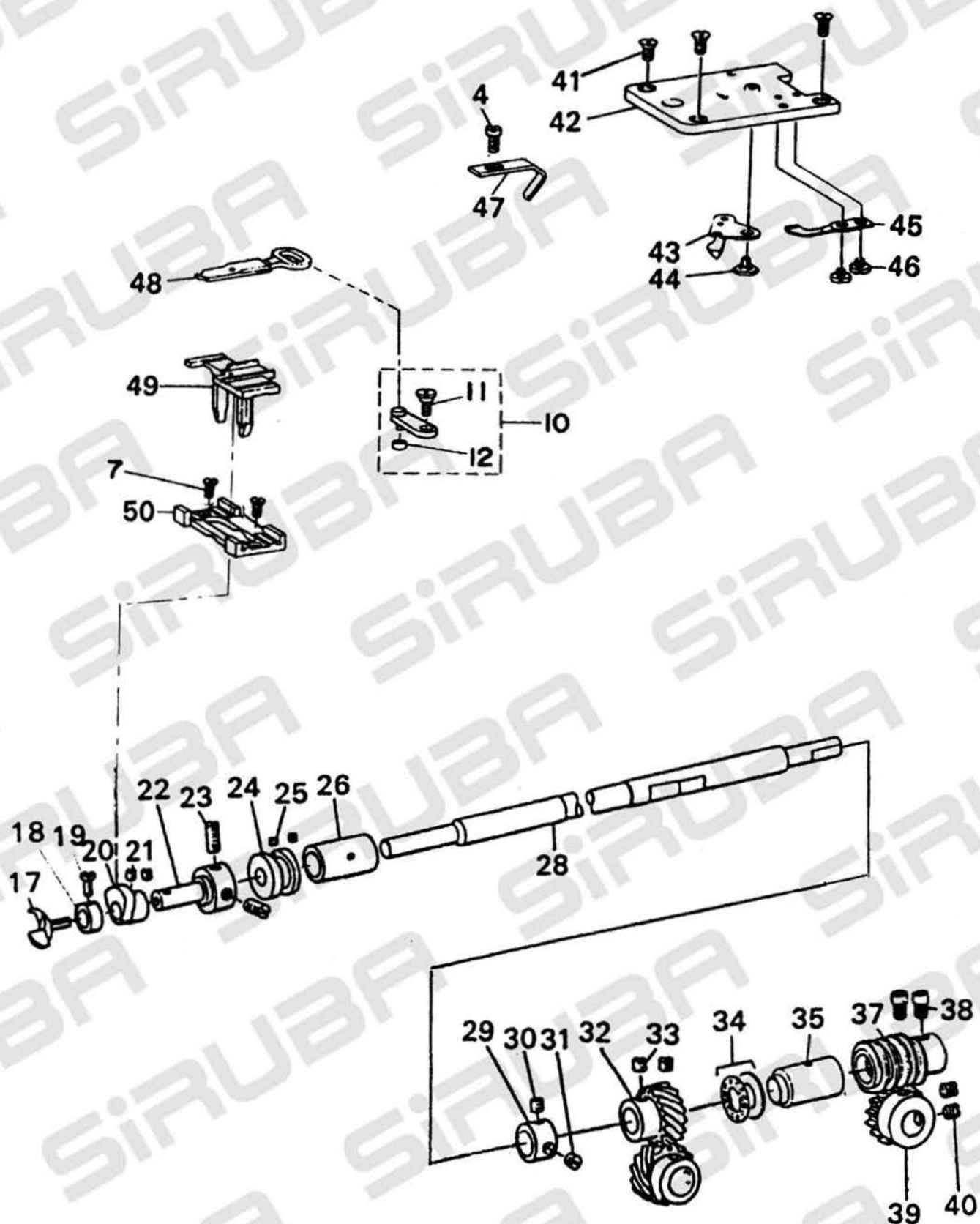
	Part No.	Description	Amt. Req.
1	B00101	FLAT BUTTON CLAMP ASM.	1
2	B00102	BUTTON CLAMP LIFTING ROD	1
3	B00103	SCREW 15/64-28 L=9	1
4	B00104	SCREW 3/16-32 L=13.5	2
5	B00105	WASHER	2
6	B00106	BUTTON CLAMP HOLDER	1
7	B00107	SCREW 15/64-28 L=9	1
8	B00108	JAWLEVER HOLDER ASM.	1
9	B00109	HINGE SCREW D=5.5 H=1.8	1
10	B00110	CLAMP SCREW	1
11	B00111	SNAP FASTENER CLAMP	1
12	B00112	HINGE SCREW D=5.5 H=3	1
13	B00113	JAW LEVER HOLDER	1
14	B00114	BUTTON CLAMP LEVER JAW, LEFT ASM.	1
15	B00115	BUTTON CLAMP LEVER JAW, LEFT	1
16	B00116	BUTTON HOLDING SPRING, LEFT	1
17	B00117	BUTTON CLAMP LOCATING PIN	2
18	B00118	SCREW 9/64-40 L=3.5	2
19	B00119	BUTTON CLAMP LEVER JAW, RIGHT ASM.	1
20	B00120	BUTTON CLAMP JAW, RIGHT	1
21	B00121	BUTTON HOLDING SPRING, RIGHT	1
22			0
23			0
24	B00124	BUTTON CLAMP STOP PIN	2
25	B00125	HINGE SCREW D=6.35 H=3.9	2
26	B00126	BUTTON CLAMP SPRING	1
27	B00127	BUTTON CLAMP SLIDE	1
28	B00128	NUT	1
29	B00129	HINGE PIN	1
30	B00130	SNAP RING	1
31	B00131	NUT	1
32	B00132	BUTTON CLAMP STOPPER PIN	1
33	B00133	BUTTON CLAMP PRESSURE ADJUSTING BAR	1
34	B00134	PRESSURE ADJUSTING SPRING	1
35	B00135	THREAD TENSION STUD NUT	2
36	B00136	FINGER GUARD	1
37	B00137	SEAL PLUG	1
38	B00138	FOR LABEL	1
39	B00139	SPRING	1
40	B00140	SCREW 3/32-56 L=4	1

2. MACHINE ARM & MISCELLANEOUS COVERS COMPONENTS



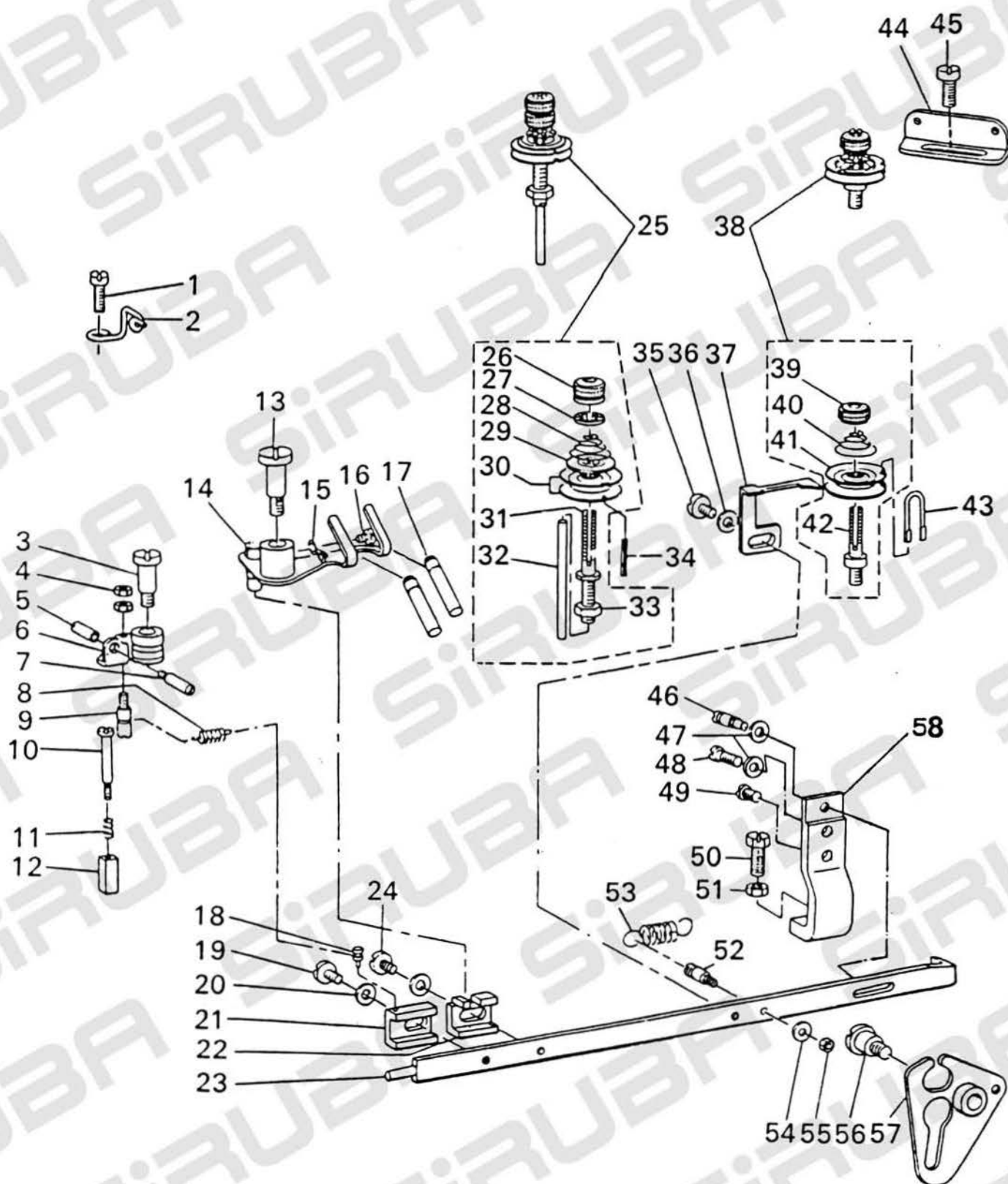
	Part No.	Description	Amt. Req.
1	BO0201	FRONT COVER ASM.	1
2	BO0202	SCREW 3/16-28 L=8	8
3	BO0203	TENSION SPRING	1
4	BO0204	NIPPER RELEASING PLUNGER THUMB NUT	1
5	BO0205	THREAD TENSION GUIDE ASM.	1
6	BO0206	TENSION DISC	2
7	BO0207	TENSION SPRING	1
8	BO0208	E-SHAPED SNAP RING	1
--	----	-----	0
--	----	-----	0
12	BO0212	THREAD GUIDE	1
13	BO0213	NIPPER RELEASING PLUNGER	1
14	BO0214	SAFETY PLATE ASM.	1
15	BO0215	SAFETY PLATE	1
16	BO0216	SCREW 11/64-40 L=7	4
17			0
18	BO0218	SAFETY PLATE INSTALLING PLATE	1
19	BO0219	HINGE SCREW D=6 H=4	1
20	BO0220	DISC SPRING	1
21	BO0221	WASHER	1
22	BO0222	SAFETY PLATE MOUNTING BASE	1
23	BO0223	SPRING PIN	1
24	BO0224	SCREW	1
25	BO0225	SIDE COVER, LEFT	1
26	BO0226	SIDE COVER, RIGHT	1
27	BO0227	SCREW M8 L=30	2
28	BO0228	SCREW M8 L=35	2
29	BO0229	GUIDE PIN	2
30	BO0230	SET SCREW ASM.	1
31	BO0231	OIL FELT, LARGE	1
32	BO0232	OIL WICK	1
33	BO0233	OIL FELT, SMALL	1
34	BO0234	OIL WICK	1
35	BO0235	SCREW 9/64-40 L=8	1
36	BO0236	OIL SUPPLY FELT	1
37	BO0237	SIDE COVER SPRING	2
38	BO0238	SCREW 9/64-40 L=7	2
39	BO0239	SCREW STUD	2
40	BO0240	OIL DRIP FELT	1
41	BO0241	SIDE COVER, RIGHT	1
42	BO0242	SIDE COVER HINGER SHAFT	2
43	BO0243	SCREW 15/64-28 L=5	1
44	BO0244	MACHINE SUB-BASE	1
45	BO0245	SCREW 15/64-28 L=8	1
46	BO0246	SIDE COVER, LEFT	1
47	BO0247	LOOPER COVER	1
48	BO0248	SPRING WASHER	1
49	BO0249	HINGE SCREW D=6 H=2.7	1
50	BO0250	CAM INDICATING PIN	2
51	BO0251	BUTTON TRAY ASM.	1
52	BO0252	SCREW 15/64-28 L=5	2
53	BO0253	OIL SHIELD	1

3. LOOPER SHAFT MECHANISM COMPONENTS



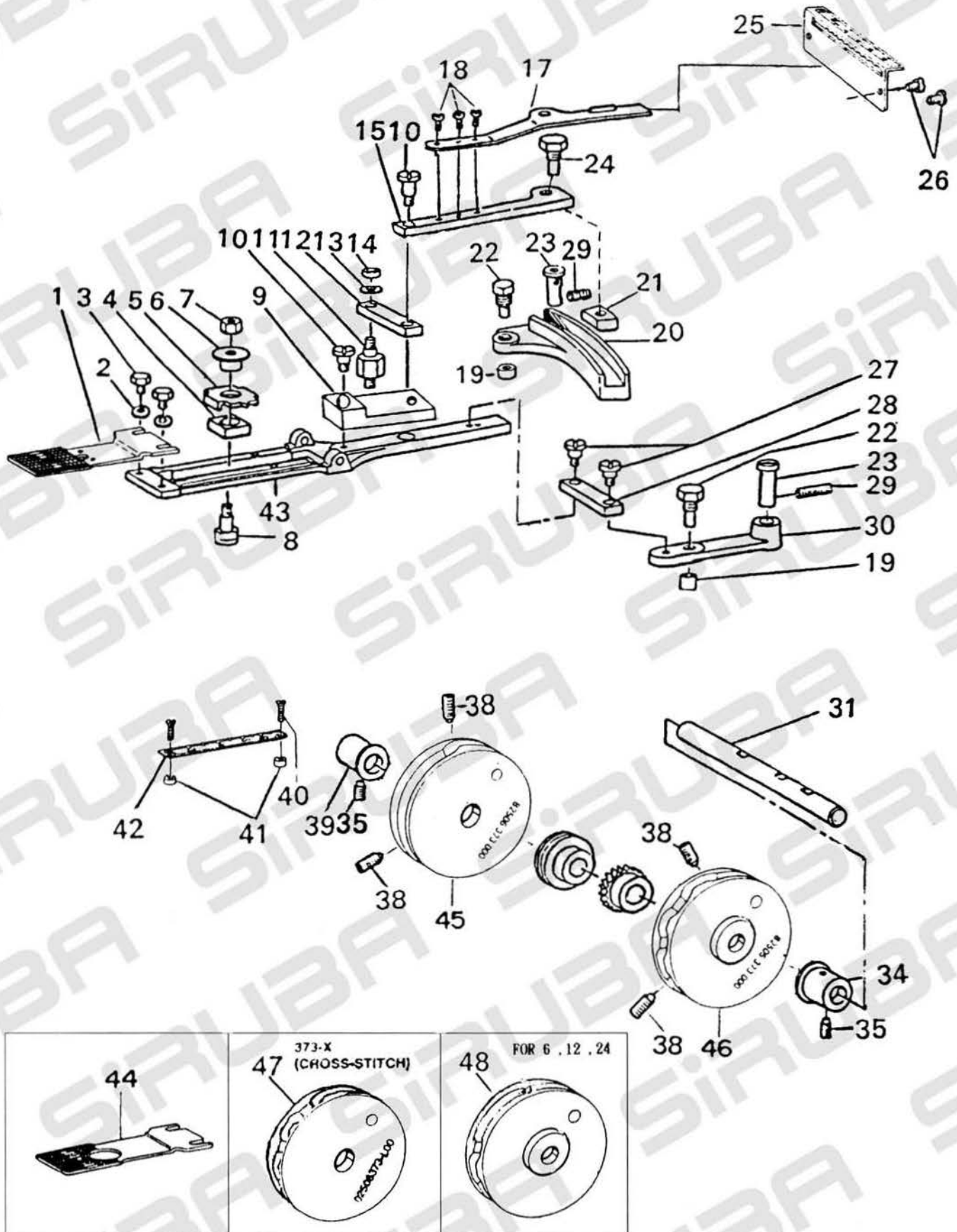
	Part No.	Description	Amt. Req.
1			0
2			0
3			0
4	B00304	SCREW 11/64-40 L=7.8	1
5			0
6			0
7	B00307	SCREW 11/64-40 L=7	2
8			0
9			0
10	B00310	LOOP POSITIONING FINGER LEVER	1
11	B00311	HINGE SCREW D=6.35 H=2.4	1
12	B00312	LOOPER POSITIONING FINGER LEVER ROLL	1
17	B00317	LOOPER	1
18	B00318	THRUST COLLAR	1
19	B00319	SCREW 9/64-40 L=6.1	1
20	B00320	LOOP POSITIONING FINGER CAM	1
21	B00321	SCREW 11/64-40 L=3.5	2
22	B00322	LOOPER & CAM SLEEVE	1
23	B00323	SCREW 15/64-28 L=4	2
24	B00324	LOOP POSITIONING FINGER	1
25	B00325	SCREW 11/64-40 L=2.8	2
26	B00326	LOOPER SHAFT BUSHING, FRONT	1
27			0
28	B00328	LOOPER SHAFT	1
29	B00329	THRUST COLLAR	1
30	B00330	SCREW 15/64-28 L=4	1
31	B00331	SCREW 15/64-28 L=4	1
32	B00332	LOOPER SHAFT DRIVEN GEAR	1
33	B00333	SCREW 1/4-40 L=6	2
34	B00334	THRUST BALL BEARING	1
35	B00335	LOOPER SHAFT BUSHING, REAR	1
36			0
37	B00337	DRIVEN WORM	1
38	B00338	SCREW 1/4-40 L=7	2
39	B00339	CAM SHAFT DRIVEN GEAR	1
40	B00340	SCREW 1/4-40 L=6	2
41	B00341	SCREW 11/64-40 L=8.5	3
42	B00342	THROAT PLATE	1
43	B00343	MOVING KNIFE	1
44	B00344	HINGE SCREW D=6 H=0.85	1
45	B00345	COUNTER KNIFE	1
46	B00346	SCREW 1/8-44 L=3	2
47	B00347	NEEDLE GUARD	1
48	B00348	YOKE SLIDE	1
49	B00349	POSITIONING FINGER YOKE SLIDE	1
50	B00350	YOKE SLIDE INSERT	1
51			0

4. NIPPER & THREAD HANDLING PARTS COMPONENTS



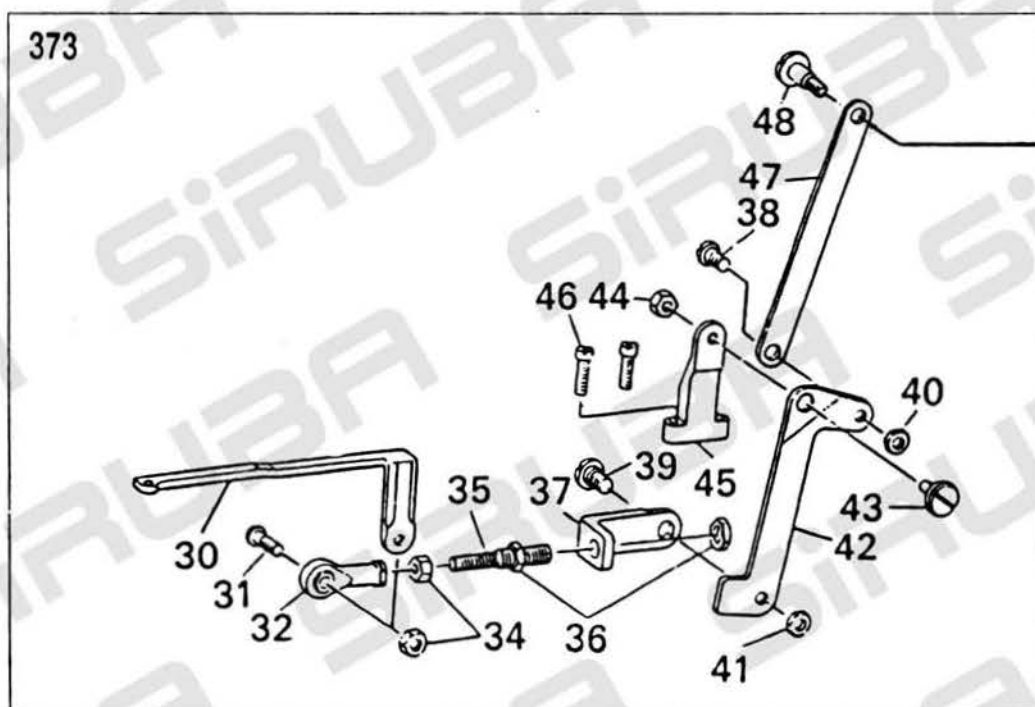
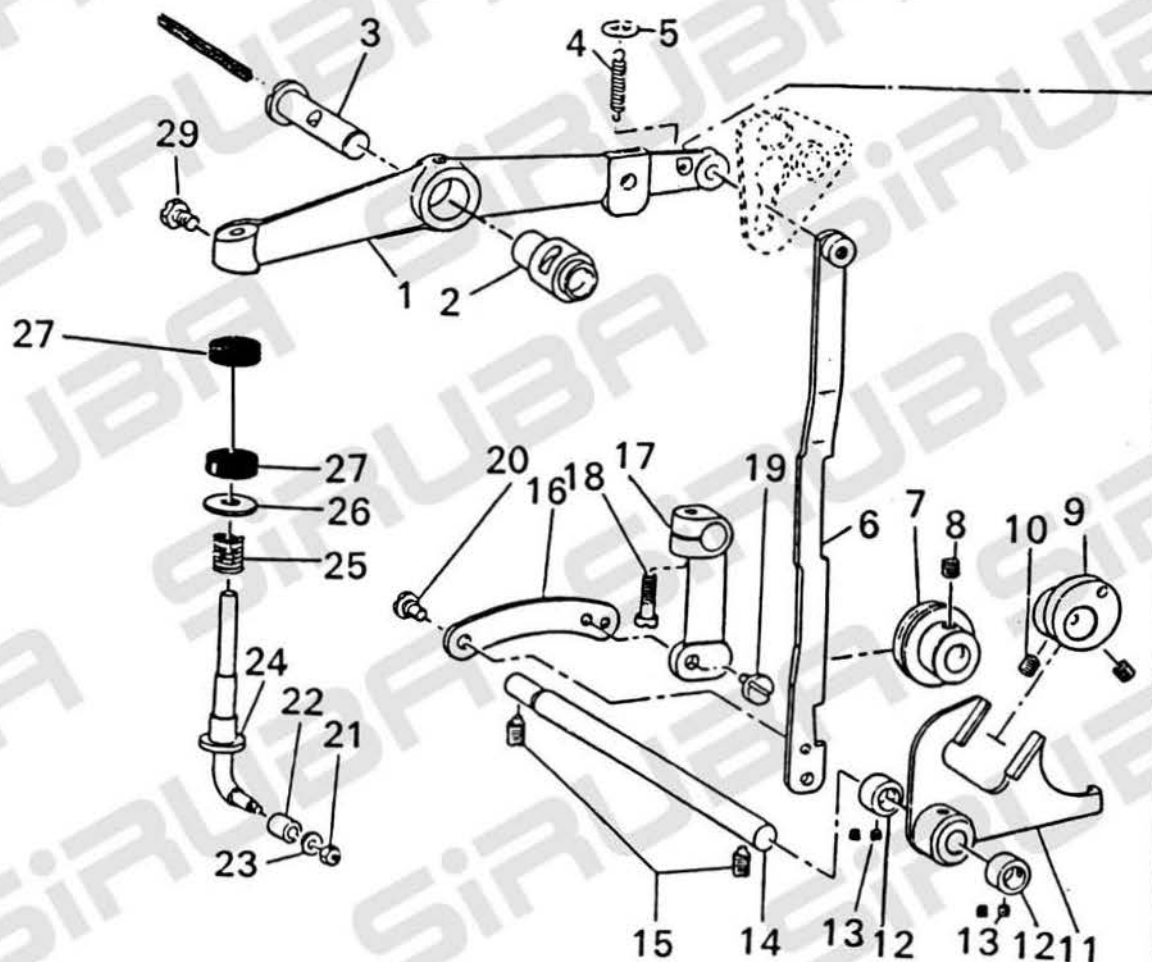
	Part No.	Description	Amt. Req.
1	B00401	SCREW 15/64-28 L=12	1
2	B00402	THREAD GUIDE	1
3	B00403	HINGE SCREW D=7.94 H=12.7	1
4	B00404	NUT	2
5	B00405	NUT	1
6	B00406	THREAD NIPPER	1
7	B00407	THREAD RELEASING SCREW STUD	1
8	B00408	NIPPER BAR BLOCK SPRING	1
9	B00409	NIPPER BAR BLOCK SPRING SCREW	1
10	B00410	SCREW D=4 H=20	1
11	B00411	NIPPER BLOCK SPRING	1
12	B00412	NIPPER BLOCK	1
13	B00413	HINGE SCREW D=7.94 H=15	1
14	B00414	THREAD PULL-OFF LEVER	1
15	B00415	THREAD GUIDE	1
16	B00416	SCREW 9/64-40 L=4.6	1
17	B00417	THREAD GUIDE	2
18	B00418	NIPPER BAR BLOCK SPRING PIN	1
19	B00419	SCREW 3/16-28 L=9	1
20	B00420	WASHER	2
21	B00421	NIPPER BAR BLOCK	1
22	B00422	NIPPER BAR BLOCK REAR	1
23	B00423	NIPPER BAR	1
24	B00424	SCREW 3/16-28 L=9	1
25	B00425	TENSION POST ASM.	1
26	B00426	TENSION NUT	1
27	B00427	TENSION DISC STOPPER	1
28	B00428	TENSION SPRING	1
29	B00429	TENSION DISC HOLDER	1
30	B00430	TENSION DISC	2
31	B00431	TENSION POST	1
32	B00432	TENSION RELEASE PIN	1
33	B00433	NUT	1
34	B00434	SPRING PIN	1
35	B00435	SCREW 3/16-28 L=9	1
36	B00436	WASHER	1
37	B00437	THREAD TENSION RELEASING LEVER	1
38	B00438	THREAD TENSION ASM.	1
39	B00439	THREAD TENSION STUD NUT	1
40	B00440	TENSION SPRING	1
41	B00441	TENSION DISC	2
42	B00442	THREAD TENSION STAFF	1
43	B00443	THREAD GUIDE	1
44	B00444	THREAD GUIDE	1
45	B00445	SCREW 15/64-28 L=12	1
46	B00446	ADJUSTING SCREW	1
47	B00447	WASHER	2
48	B00448	SCREW 3/16-28 L=15.5	1
49	B00449	SCREW 3/16-28 L=9.5	1
50	B00450	BOLT 15/64-28 L=14	1
51	B00451	NUT	1
52	B00452	NIPPER BAR SPRING SCREW	1
53	B00453	NIPPER BAR SPRING	1
54	B00454	WASHER	1
55	B00455	NUT	1
56	B00456	HINGE SCREW D=7.94 H=8	1
57	B00457	NIPPER BAR ACTUATING LEVER	1
58	B00458	NIPPER BAR BEARING BLOCK	1

5. FEED PLATE COMPONENTS



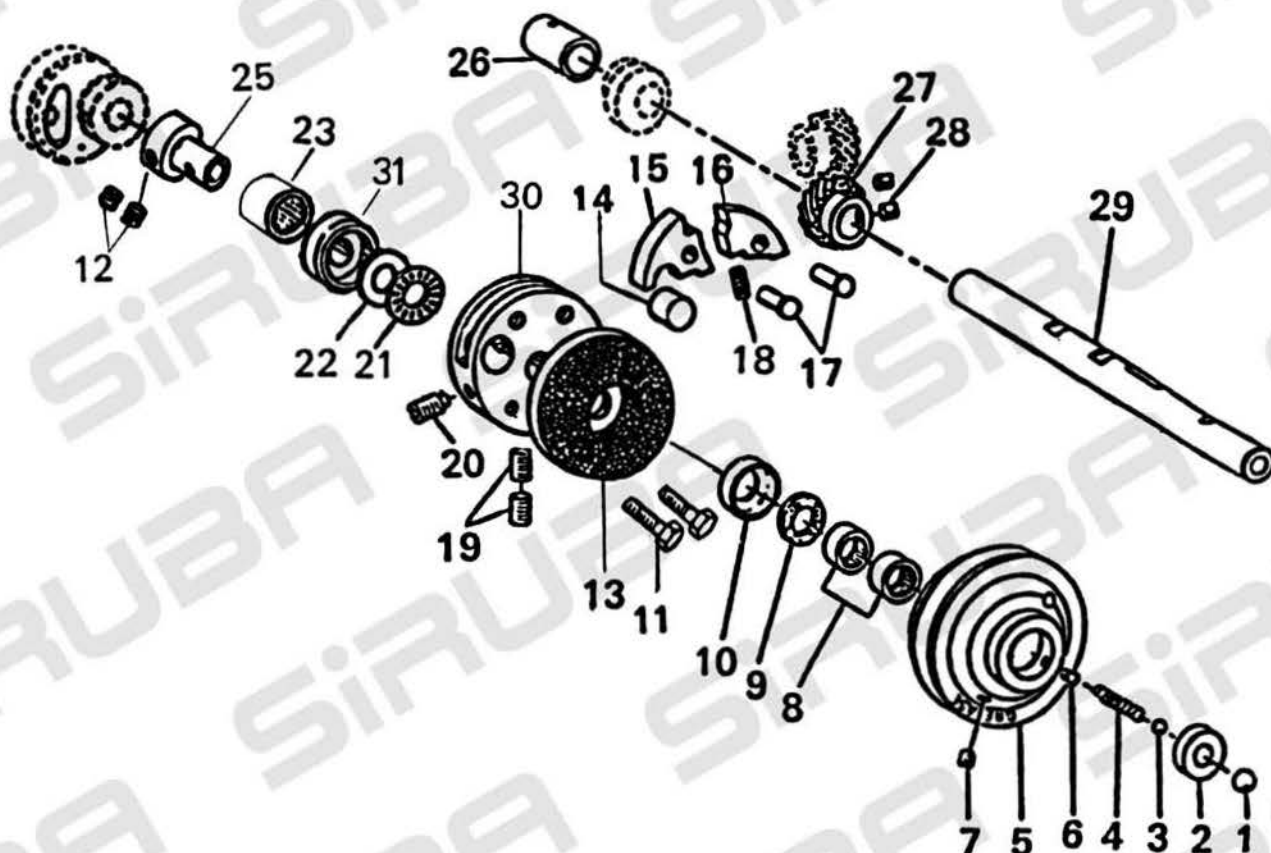
	Part No.	Description	Amt. Req.
1	B00501	FEED PLATE	1
2	B00502	WASHER	1
3	B00503	SCREW 3/16-28 L=6	2
4	B00504	INDICATOR PIN BEARING BLOCK	1
5	B00505	CROSSWISE FEED INDICATOR	1
6	B00506	CROSSWISE FEED INDICATOR PIN	1
7	B00507	NUT	1
8	B00508	HINGE SCREW FOR CROSSWISE FEED	1
9	B00509	SLIDE PLATE CONNECTING LINK	1
10	B00510	HINGE SCREW D=6.35 H=9.6	2
11	B00511	STUD M6-1.0 D=8.0	1
12	B00512	INTERMEDI CONNECTING LINK	1
13	B00513	WASHER	1
14	B00514	NUT	1
15	B00515	INDICATOR SPRING CONNECTING LINK	1
16			0
17	B00517	HANDLE & INDICATOR SPRING	1
18	B00518	SCREW 9/64-40 L=6	3
19	B00519	CAM ROLL	2
20	B00520	LENGTHWISE FEED LEVER	1
21	B00521	LENGTHWISE FEED LEVER SLIDE BLOCK	1
22	B00522	CAM ROLL SCREW STUD M10-1.25 D=8.0	2
23	B00523	FEED STUD	2
24	B00524	CAM ROLL SCREW STUD	1
25	B00525	LENGTHWISE FEED GRADUATE PLATE	1
26	B00526	SCREW 3/16-28 L=6	2
27	B00527	HINGE SCREW D=6.35 H=4.8	2
28	B00528	INTERMEDI CONNECTING LINK	2
29	B00529	SCREW 15/64-28 L=20	1
30	B00530	CROSSWISE FEED LEVER	1
31	B00531	CAM SHAFT	1
32			0
33			0
34	B00534	CAM SHAFT BUSHING, RIGHT	1
35	B00535	SCREW 15/64-28 L=10.5	2
36	B00536	CROSSWISE FEED CAM	1
37	B00537	LENGTHWISE FEED CAM	1
38	B00538	SCREW 9/32-28 L=13.5	5
39	B00539	CAM SHAFT BUSHING, LEFT	1
40	B00540	SCREW M2.5x8	2
41	B00541	CROSSWISE FEED GRADUATED PLATE WASHER	2
42	B00542	CROSSWISE FEED GRADUATED PLATE	1
43	B00543	FEED PLATE	1
44	B00544	FEED PLATE (373)	1
45	B00545	LENGTHWISE FEED CAM (373)	1
46	B00546	CROSSWISE FEED CAM (373)	1
47	B00547	CROSSWISE FEED CAM (373-X)	1
48	B00548	CROSSWISE FEED CAM (6, 12, 24)	1

6. BUTTON CLAMP LIFTER COMPONENTS



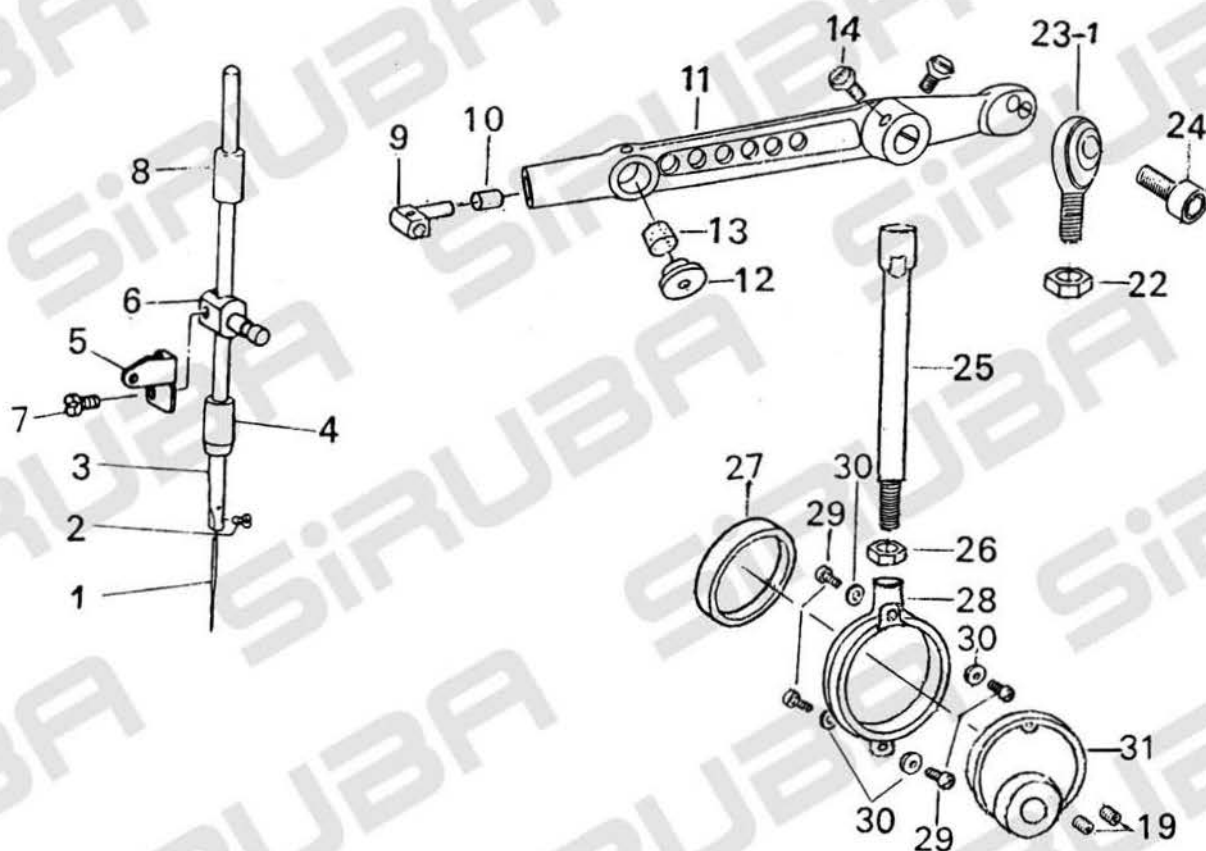
	Part No.	Description	Amt. Req.
1	BO0601	BUTTON CLAMP LIFTING LEVER	1
2	BO0602	BUSHING	1
3	BO0603	BUTTON CLAMP LIFTING LEVER SHAFT	1
4	BO0604	NIPPER BAR ACTUATING LEVER SPRING	1
5	BO0605	WASHER	1
6	BO0606	BUTTON CLAMP LIFTING LINK	1
7	BO0607	SLIDING ROLLER	1
8	BO0608	SCREW 15/64-28 L=5	1
9	BO0609	ECCENTRIC CAM	1
10	BO0610	SCREW 1/4-40 L=6	2
11	BO0611	BUTTON CLAMP LIFTING	1
12	BO0612	THRUST COLLAR	2
13	BO0613	SCREW 11/64-40 L=3.5	4
14	BO0614	LEVER SHAFT	1
15	BO0615	SCREW 15/64-28 L=10.5	2
16	BO0616	LIFTING LINK CONNECTING LINK	1
17	BO0617	LIFTING LINK LEVER	1
18	BO0618	SCREW 3/16-28 L=15	1
19	BO0619	HINGE SCREW M5-0.8 L=8	1
20	BO0620	HINGE SCREW D=6.35 H=2.1	1
21	BO0621	NUT	1
22	BO0622	BUTTON CLAMP LIFTING ROD ROLL	1
23	BO0623	WASHER	1
24	BO0624	BUTTON CLAMP LIFTING ROD	1
25	BO0625	SPRING	1
26	BO0626	WASHER	3
27	BO0627	CUSHION	2
28			0
29	BO0629	SCREW 15/64-28 L=11	1
30	BO0630	CONNECTING LINK, FRONT	1
31	BO0631	JOINT STUD M5-0.8X16	1
32	BO0632	FEED ADJUSTING JOINT	1
33			0
34	BO0634	NUT	2
35	BO0635	CONNECTING SCREW	1
36	BO0636	NUT 15/64-24	2
37	BO0637	CONNECTING LINK, REAR	1
38	BO0638	HINGE SCREW M6-1.0 D=8.0 H=3.2	1
39	BO0639	HINGE SCREW M6-1.0 D=8.0 H=3.2	1
40	BO0640	NUT M6-1.0	1
41	BO0641	NUT M6-1.0	1
42	BO0642	THREAD TRIMMING LINK	1
43	BO0643	HINGE SCREW M6-1.0 D=8.0 H=3.2	1
44	BO0644	NUT M6-1.0	1
45	BO0645	THREAD TRIM LEVER BASE	1
46	BO0646	SCREW 11/64-40 L=14	2
47	BO0647	THREAD TRIMMING LINK	1
48	BO0648	HINGE SCREW D=6.35 H=13.2	1

7. NEEDLE DRIVING PULLEY SHAFT MECHANISM COMPONENTS



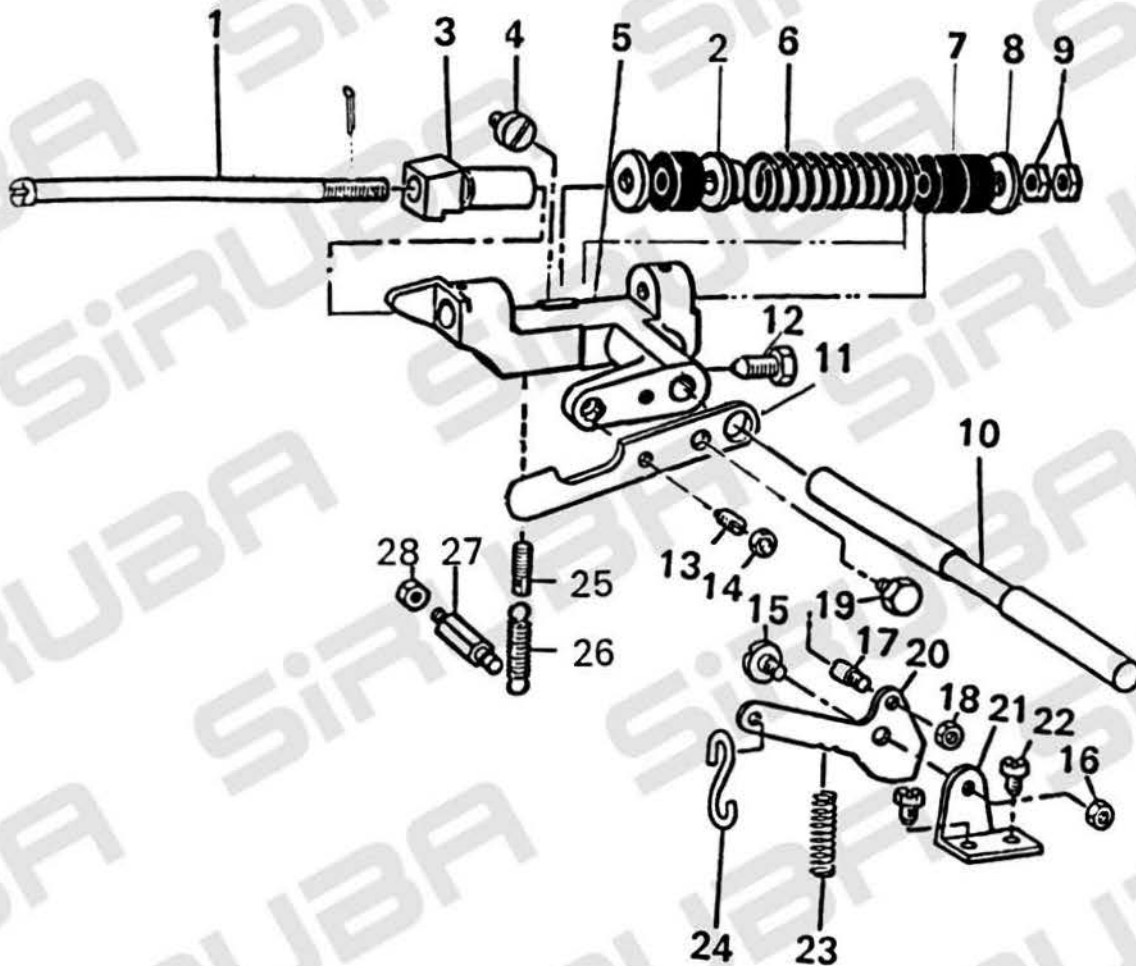
	Part No.	Description	Amt. Req.
1	BO0701	BALL LARGE	1
2	BO0702	PULLEY INSERT	1
3	BO0703	BALL SMALL	1
4	BO0704	SPRING	1
5	BO0705	NEEDLE DRIVING PULLEY	1
6	BO0706	SCREW 11/64-40 L=6.5	1
7	BO0707	SCREW 15/64-28 L=4	1
8	BO0708	NEEDLE BEARING	2
9	BO0709	GREASE RETAINING WICK	1
10	BO0710	RETAINING WASHER	1
11	BO0711	SCREW 15/64-28 L=23.5	2
12	BO0712	SCREW 15/64-28 L=5	2
13	BO0713	NEEDLE DRIVING PULLEY CLUTCH DISC	1
14	BO0714	SEAL PLUG	1
15	BO0715	STOP MOTION DISC PAWL	1
16	BO0716	STOP MOTION DISC LATCH	1
17	BO0717	SCREW D=6.35 H=16	2
18	BO0718	SPRING	1
19	BO0719	SCREW 5/16-24 L=10	2
20	BO0720	SCREW 5/16-24 L=17	2
21	BO0721	THRUST BALL BEARING	1
22	BO0722	ECCENTRIC WASHER	1
23	BO0723	NEEDLE BEARING	1
24			0
25	BO0725	LOOPER & CAM SLEEVE	1
26	BO0726	PULLEY SHAFT BUSHING, LEFT	1
27	BO0727	DRIVING GEAR	1
28	BO0728	SCREW 1/4-40 L=6	2
29	BO0729	NEEDLE DRIVING PULLEY SHAFT	1
30	BO0730	STOP MOTION DISC	1
31	BO0731	TALLOW COVER	1

8. NEEDLE BAR DRIVING MECHANISM COMPONENTS



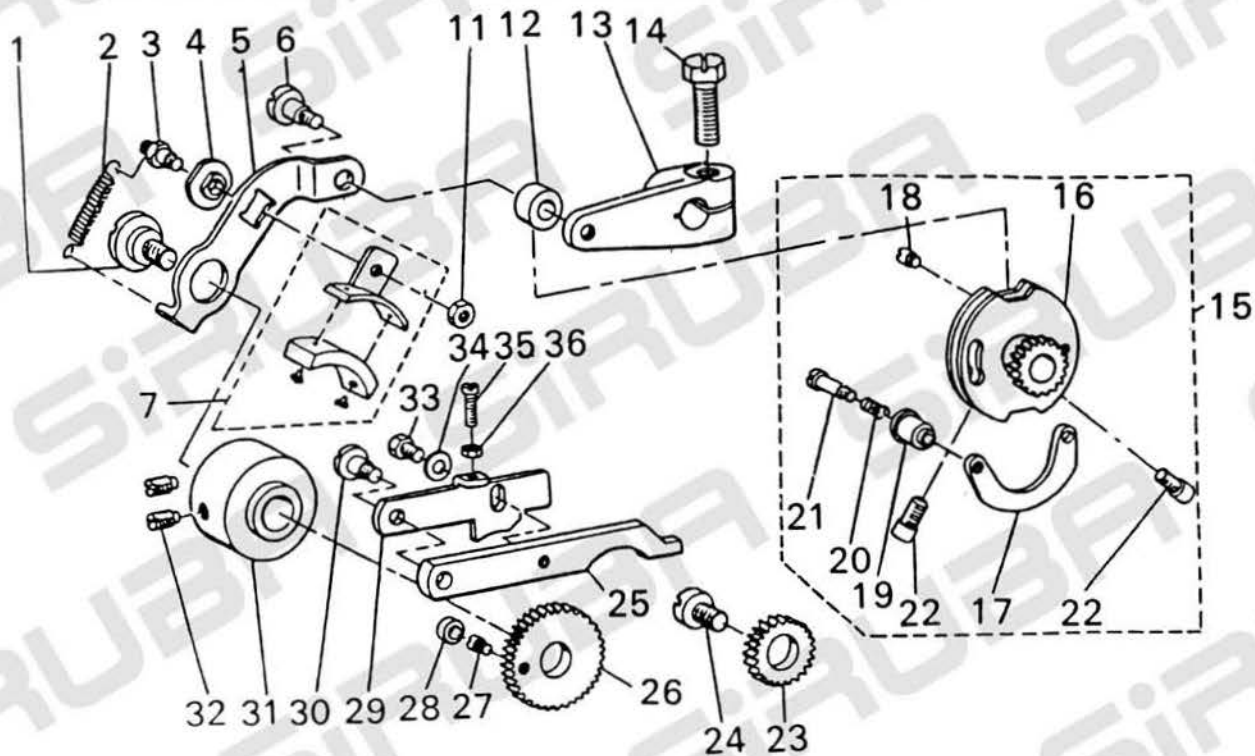
No.	Description	Req.
1	B00801 NEEDLE	1
2	B00802 SCREW 1/8 - 44 L=4.5	1
3	B00803 NEEDLE BAR	1
4	B00804 NEEDLE BAR BUSHING, LOWER	1
5	B00805 NEEDLE BAR BALANCE	1
6	B00806 NEEDLE BAR CLAMP	1
7	B00807 SCREW 9/64 - 40 L=12	1
8	B00808 NEEDLE BAR BUSHING, UPPER	1
9	B00809 NEEDLE BAR BEARING BLOCK	1
10	B00810 BUSHING	1
11	B00811 NEEDLE BAR LEVER	1
12	B00812 SEAL PLUG	1
13	B00813 OIL FELT	1
14	B00814 SCREW 15/64 - 28 L=15.5	2
19	B00819 SCREW 1/4 - 40 L=6	2
22	B00822 NUT - M8	1
23-1	B00823 BALL BEARING	1
24	B00824 SCREW 9/32 - 28 L=20	1
25	B00825 CRANK ROD	1
26	B00826 NUT - M7	1
27	B00827 BEARING	1
28	B00828 CRANK	1
29	B00829 SCREW M3 - 0.5 * 4	4
30	B00830 WASHER	4
31	B00831 ECCENTRIC CAM	1

9. STOP MOTION MECHANISM COMPONENTS



Part No.	Description	Amt. Req.
1	BO0901 STOP MOTION PLUNGER ROD	1
2	BO0902 SEAL PLUG	1
3	BO0903 STOP MOTION PLUNGER	1
4	BO0904 SCREW 15/64-28 L=10	1
5	BO0905 STOP MOTION PLUNGER LEVER	1
6	BO0906 STOP MOTION DISC SPRING	1
7	BO0907 RUBBER CUSHION	4
8	BO0908 WASHER	4
9	BO0909 NUT	2
10	BO0910 STOP MOTION LEVER SHAFT	1
11	BO0911 STOP MOTION DISC PRESSURE LEVER	1
12	BO0912 SCREW 5/16-18 L=20	1
13	BO0913 SCREW 15/64-28 L=15	1
14	BO0914 NUT	1
15	BO0915 HINGE SCREW D=8.0 H=3.0	1
16	BO0916 NUT	1
17	BO0917 STOP SCREW	1
18	BO0918 NUT	1
19	BO0919 SCREW 15/64-28 L=10.5	1
20	BO0920 STOP MOTION TRIP LEVER	1
21	BO0921 STOP MOTION TRIP LEVER BRACKET	1
22	BO0922 SCREW 15/64-28 L=15	2
23	BO0923 SPRING	1
24	BO0924 S SHAPED HOOK	1
25	BO0925 SPRING HANGER M6-1.0 L=21	1
26	BO0926 STOP MOTION LEVER SPRING	1
27	BO0927 SCREW STUD	1
28	BO0928 NUT	1

10. STITCH SELECTING PARTS COMPONENTS



	Part No.	Description	Amt. Req.
1	B01001	HINGE SCREW D=12.7 H=3.2	1
2	B01002	SPRING	1
3	B01003	FRICTION PLATE ROTATING STUD	1
4	B01004	SLIDE BLOCK	1
5	B01005	SPEED SLOWING LEVER	1
6	B01006	HINGE SCREW D=7.94 H=13.3	1
7	B01007	FRICTION PLATE HOLDER ASM.	1
8			0
9			0
10			0
11	B01011	NUT	1
12	B01012	STOP MOTION TRIPPING LEVER CAM ROLL	1
13	B01013	STOP MOTION TRIPPING LEVER	1
14	B01014	SCREW 5/16-18 L=24	1
15	B01015	STOP MOTION CAM ASM.	1
16	B01016	STOP MOTION CAM	1
17	B01017	STOP MOTION CAM SHOE	1
18	B01018	SCREW	1
19	B01019	STOP MOTION CAM KNOB	1
20	B01020	SPRING	1
21	B01021	HINGE SCREW D=4.8 H=14.5	1
22	B01022	SCREW 15/64-28 L=10	2
23	B01023	STITCH SELECTING SPUR GEAR	1
24	B01024	SCREW STUD	1
25	B01025	STITCH SELECTING LEVER	1
26	B01026	STITCH SELECTING SPUR GEAR, LARGE	1
27	B01027	SCREW	1
28	B01028	ROLL	1
29	B01029	STITCH SELECTING LATCH	1
30	B01030	HINGE SCREW D=6.35 H=9.6	1
31	B01031	SPEED SLOWING FRICTION WHEEL	1
32	B01032	SCREW 15/64-28 L=6	2
33	B01033	SCREW 11/64-40 L=10	1
34	B01034	WASHER	1
35	B01035	SCREW 9/64-40 L=10	1
36	B01036	SCREW 9/64-40	1