

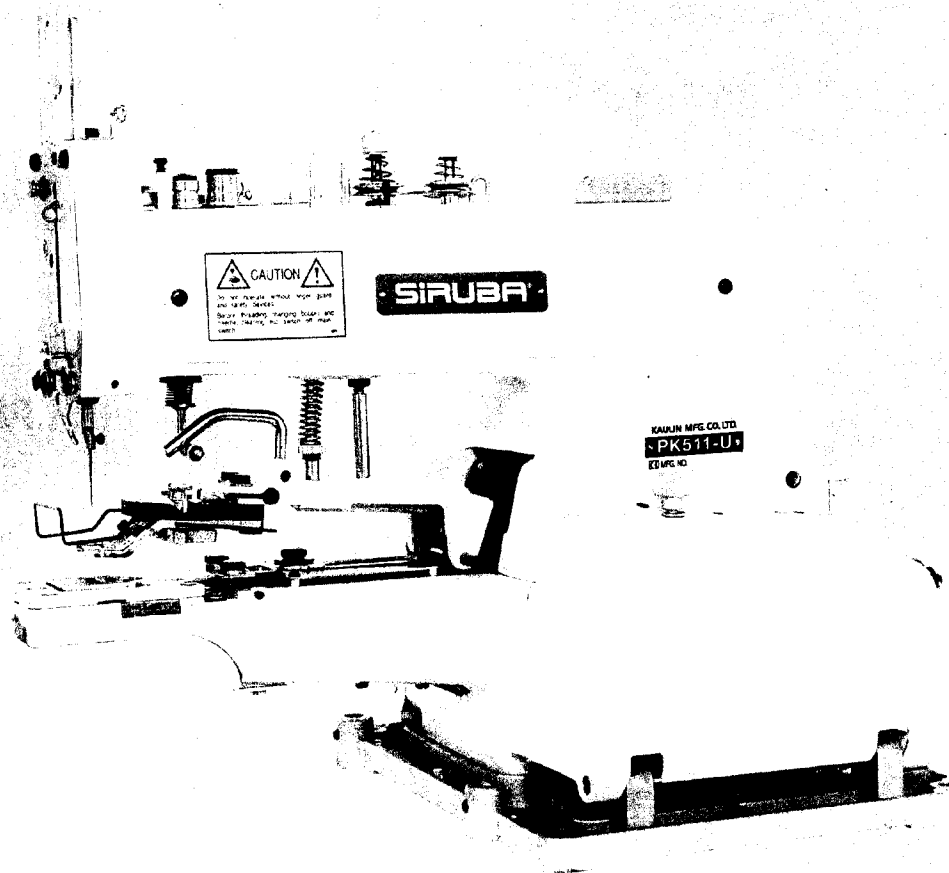
# SIRUBA®

銀箭牌工業用縫紉機

INDUSTRIAL SEWING MACHINE

# PK511

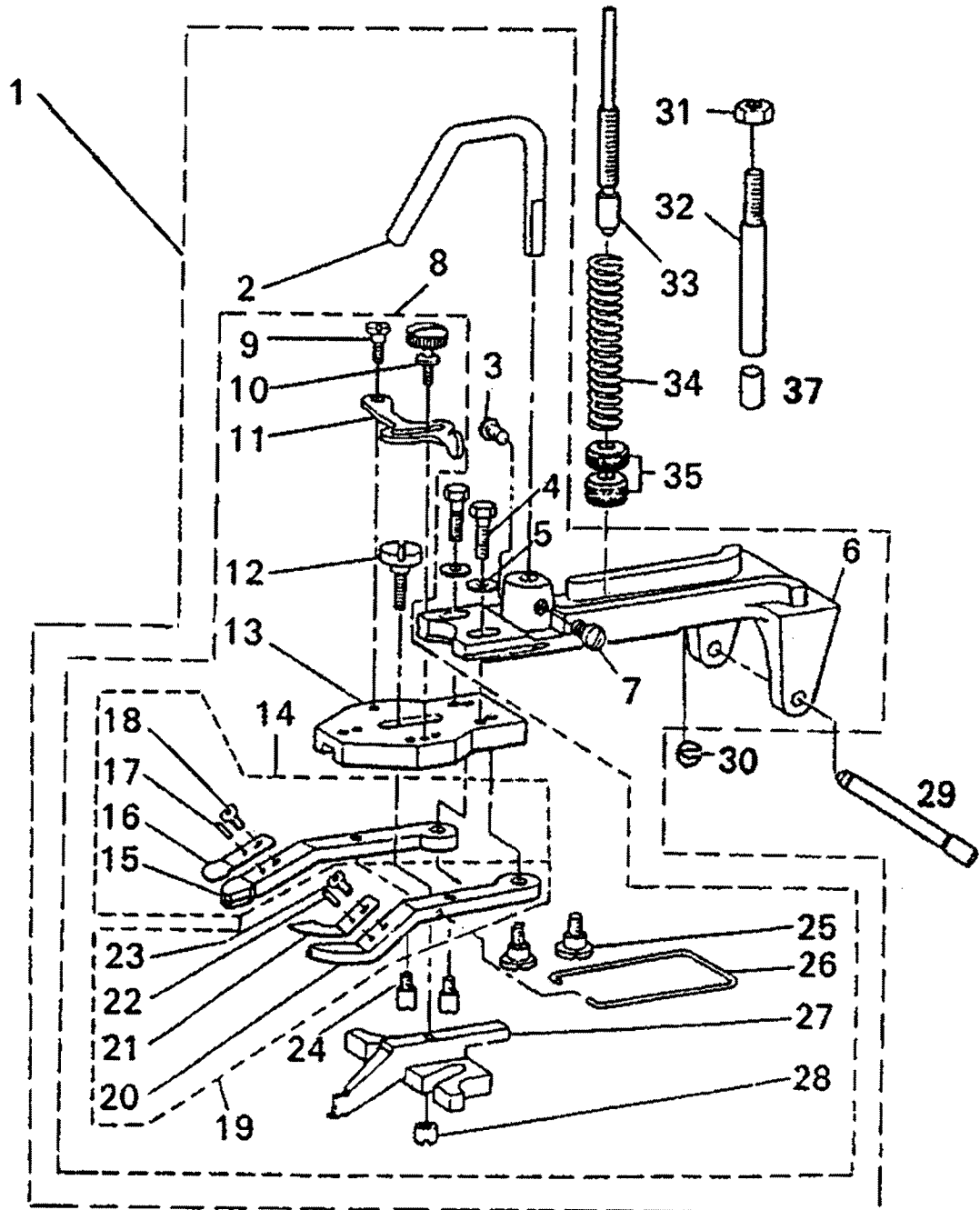
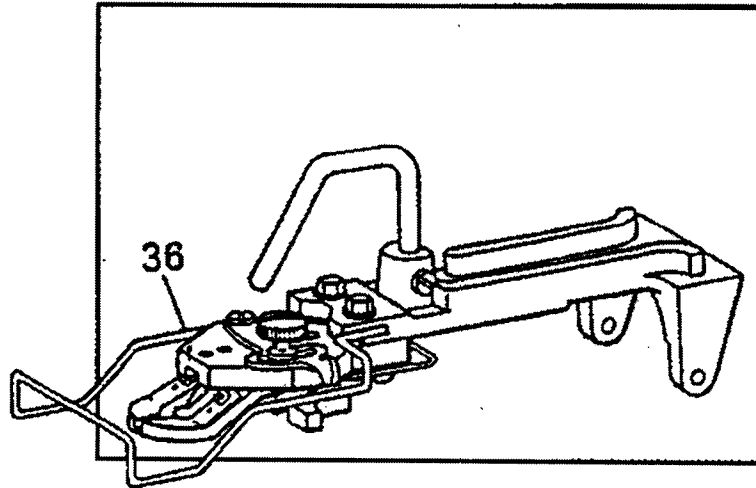
## 使用說明與零件圖 INSTRUCTION AND PARTS LIST



CE

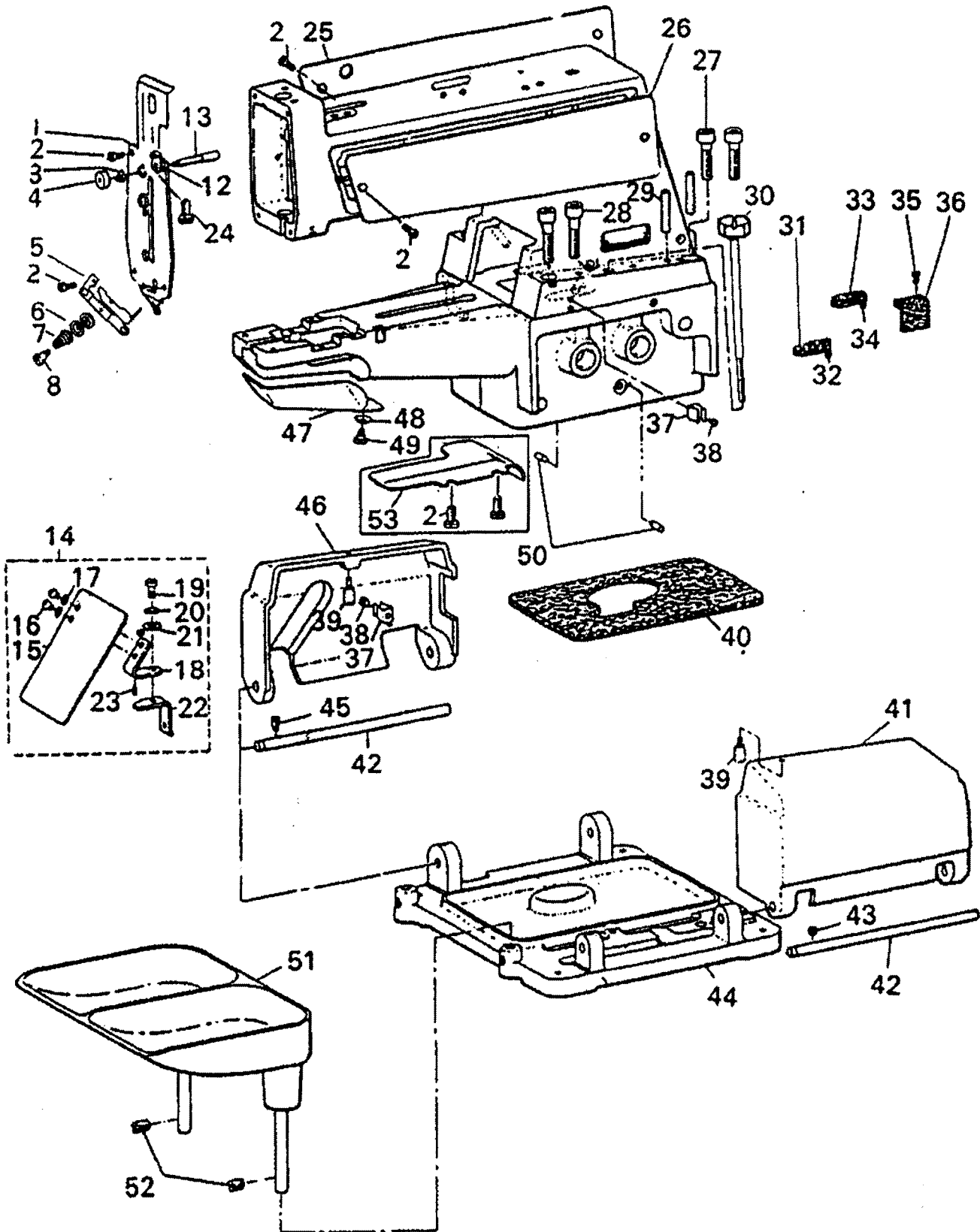
 高林股份有限公司  
KAULIN MFG. CO., LTD.

# 1. BUTTON CLAMP MECHANISM COMPONENTS



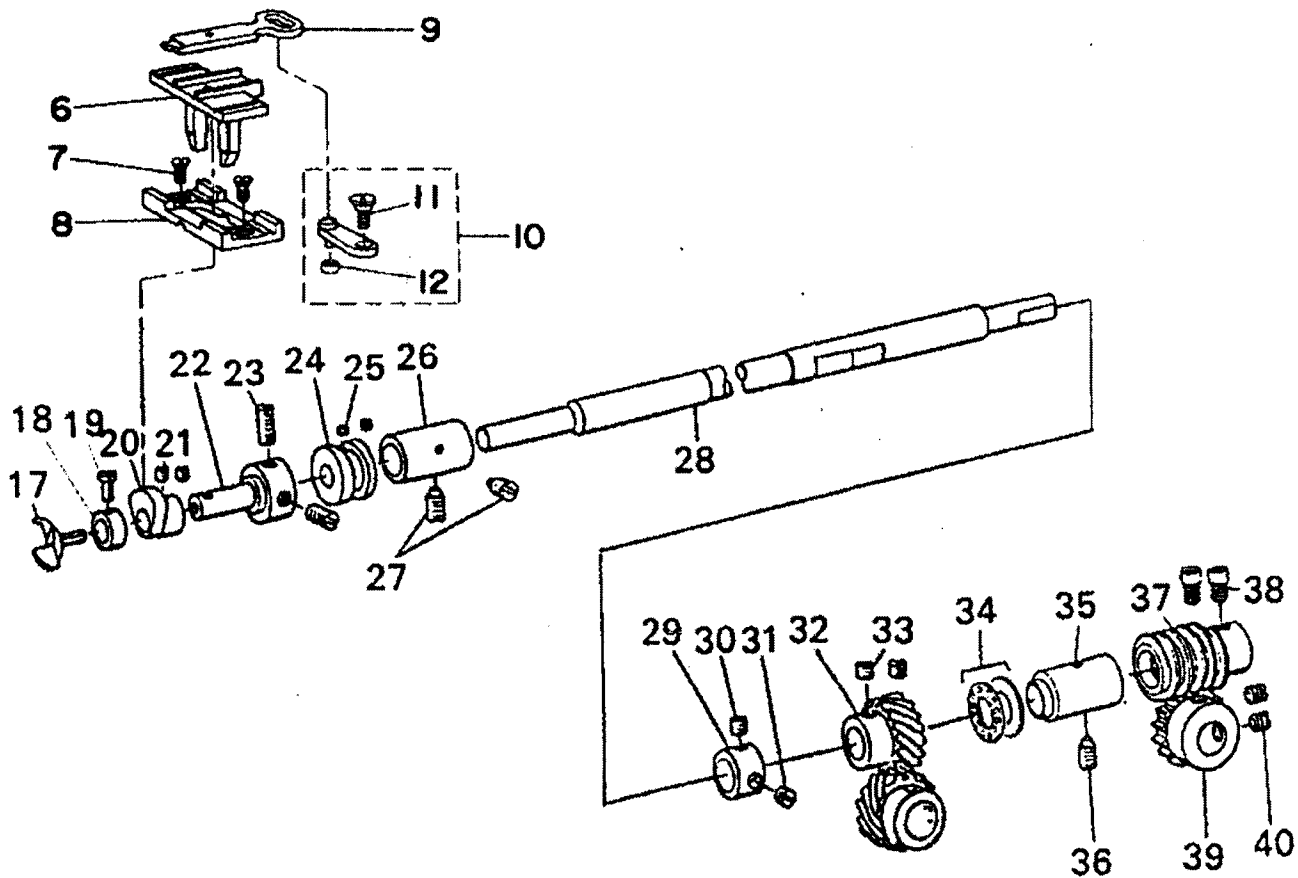
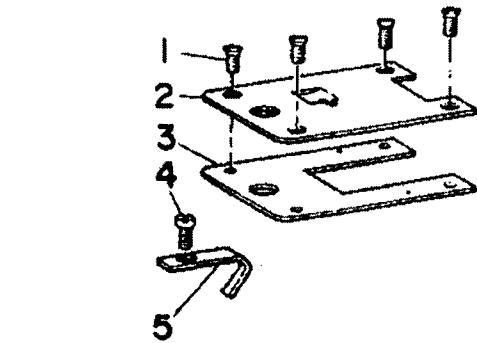
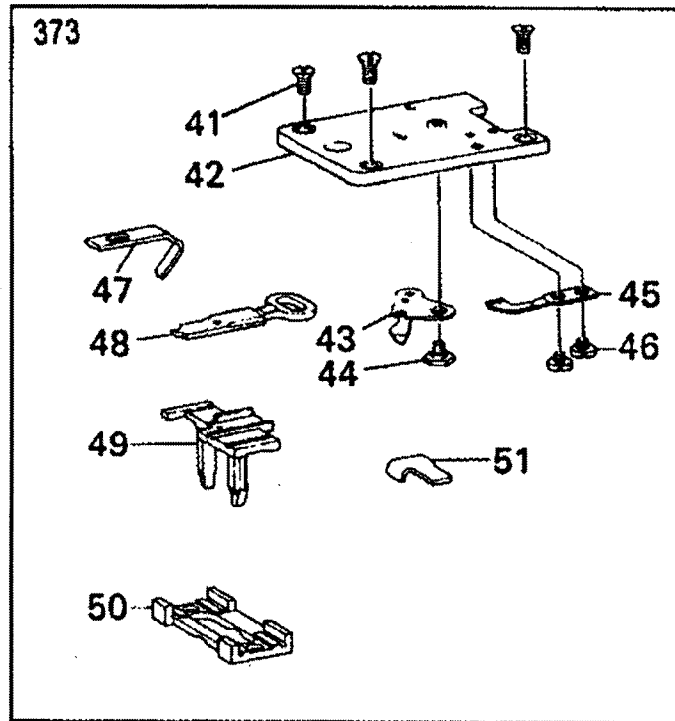
	<u>Part No.</u>	<u>Description</u>	<u>Amt. Req.</u>
1	B00101	FLAT BUTTON CLAMP ASM.	1
2	B00102	BUTTON CLAMP LIFTING ROD	1
3	B00103	SCREW 15/64-28 L=9	1
4	B00104	SCREW 3/16-32 L=13.5	2
5	B00105	WASHER	2
6	B00106	BUTTON CLAMP HOLDER	1
7	B00107	SCREW 15/64-28 L=9	1
8	B00108	JAWLEVER HOLDER ASM. -	1
9	B00109	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	1
18	B00118	SCREW 9/64-40 L=3.5	1
19	B00119	BUTTON CLAMP LEVER JAW, RIGHT ASM.	1
20	B00120	BUTTON CLAMP JAW, RIGHT	1
21	B00121	BUTTON HOLDING SPRING, RIGHT	1
22	B00122	BUTTON CLAMP LOCATING PIN	1
23	B00123	SCREW 9/64-40 L=3.5	1
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

## 2. MACHINE ARM & MISCELLANEOUS COVERS COMPONENTS



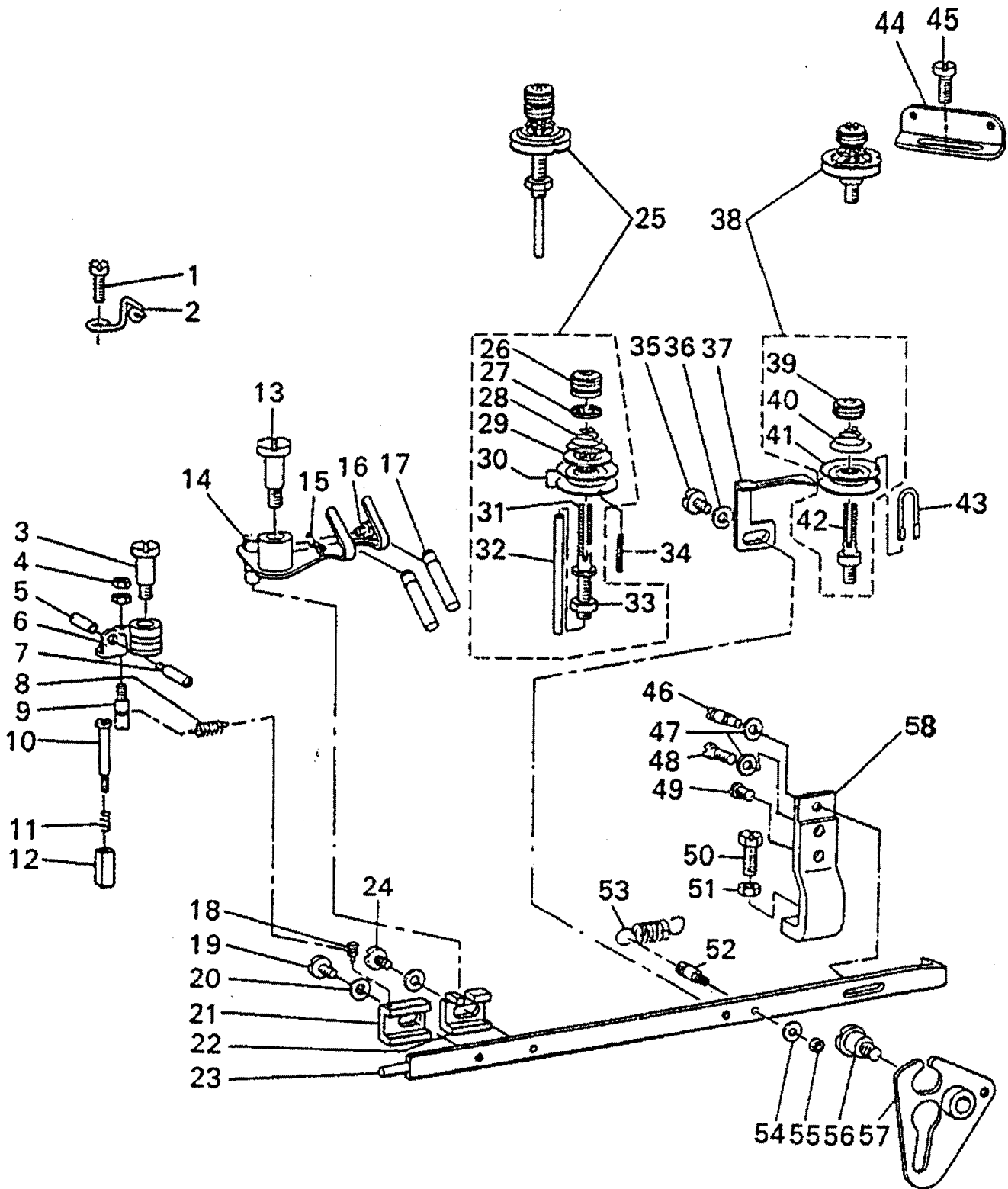
	<u>Part No.</u>	<u>Description</u>	<u>Amt. Req.</u>
1	B00201	FRONT COVER ASM.	1
2	B00202	SCREW 3/16-28 L=8	10
3	B00203	TENSION SPRING	1
4	B00204	NIPPER RELEASING PLUNGER THUMB NUT	1
5	B00205	THREAD TENSION GUIDE ASM.	1
6	B00206	TENSION DISC	2
7	B00207	TENSION SPRING	1
8	B00208	E-SHAPED SNAP RING	1
--	----	-----	0
--	----	-----	0
12	B00212	THREAD GUIDE	1
13	B00213	NIPPER RELEASING PLUNGER	1
14	B00214	SAFETY PLATE ASM.	1
15	B00215	SAFETY PLATE	1
16	B00216	SCREW 11/64-40 L=7	2
17	B00217	WASHER	2
18	B00218	SAFETY PLATE INSTALLING PLATE	1
19	B00219	HINGE SCREW D=6 H=4	1
20	B00220	DISC SPRING	1
21	B00221	WASHER	1
22	B00222	SAFETY PLATE MOUNTING BASE	1
23	B00223	SPRING PIN	1
24	B00224	SCREW	1
25	B00225	SIDE COVER, LEFT	1
26	B00226	SIDE COVER, RIGHT	1
27	B00227	SCREW M8 L=30	2
28	B00228	SCREW M8 L=35	2
29	B00229	GUIDE PIN	2
30	B00230	SET SCREW ASM.	1
31	B00231	OIL FELT, LARGE	1
32	B00232	OIL WICK	1
33	B00233	OIL FELT, SMALL	1
34	B00234	OIL WICK	1
35	B00235	SCREW 11/64-40 L=7.8	1
36	B00236	OIL SUPPLY FELT	1
37	B00237	SIDE COVER SPRING	2
38	B00238	SCREW 9/64-40 L=4.5	2
39	B00239	SCREW STUD	2
40	B00240	OIL DRIP FELT	1
41	B00241	SIDE COVER, RIGHT	1
42	B00242	SIDE COVER HINGER SHAFT	2
43	B00243	SCREW 15/64-28 L=4	1
44	B00244	MACHINE SUB-BASE	1
45	B00245	SCREW 15/64-28 L=10.5	1
46	B00246	SIDE COVER, LEFT	1
47	B00247	LOOPER COVER	1
48	B00248	SPRING WASHER	1
49	B00249	HINGE SCREW D=6 H=2.7	1
50	B00250	CAM INDICATING PIN	2
51	B00251	BUTTON TRAY ASM.	1
52	B00252	SCREW 15/64-28 L=7	2
53	B00253	SCREW 11/64-40 L=7.8	2

### 3. LOOPER SHAFT MECHANISM COMPONENTS



	Part No.	Description	Amt. Req.
1	B00301	SCREW 11/64-40 L=8.5	4
2	B00302	THROAT PLATE	1
3	B00303	SPACER PLATE	1
4	B00304	SCREW 11/64-40 L=7.8	1
5	B00305	NEEDLE GUARD	1
6	B00306	POSITIONING FINGER YOKE SLIDE	1
7	B00307	SCREW 11/64-40 L=7	2
8	B00308	YOKE SLIDE INSERT	1
9	B00309	YOKE SLIDE	1
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	B00327	SCREW 15/64-28 L=10.5	2
28	B00328	LOOPER SHAFT	1
29	B00329	THRUST COLLAR	1
30	B00330	SCREW 1/4-40 L=5	1
31	B00331	SCREW 1/4-40 L=3	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	B00336	SCREW 15/64-28 L=10.5	1
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	B00351	GAUGE	1

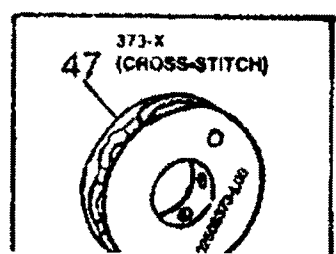
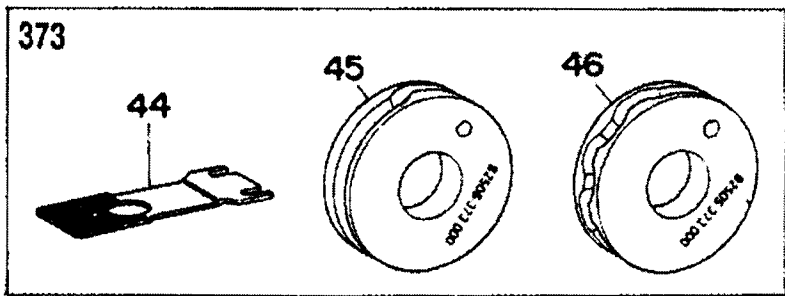
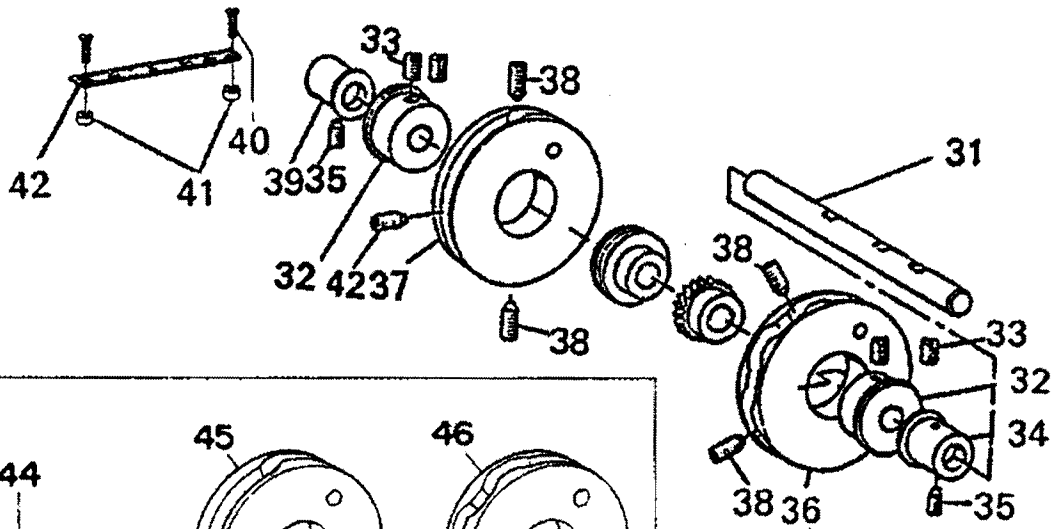
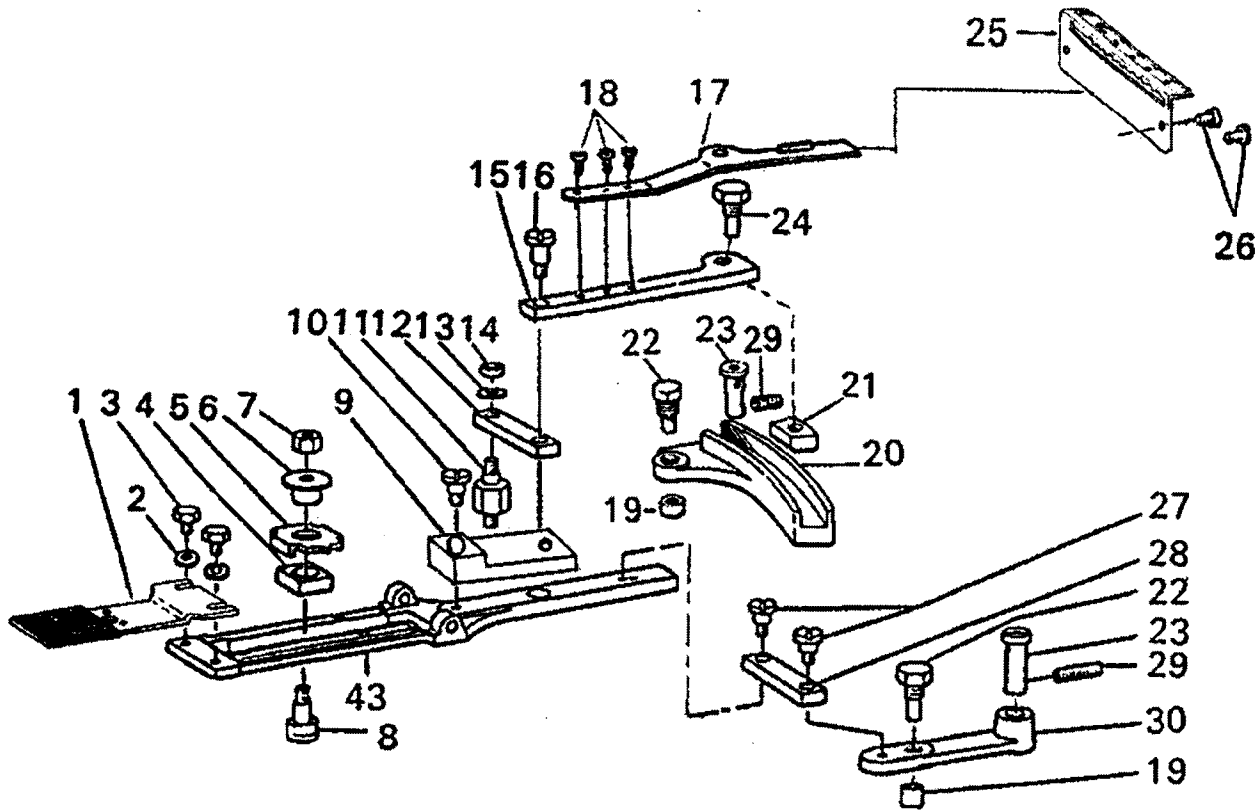
# 4. NIPPER & THREAD HANDLING PARTS COMPONENTS





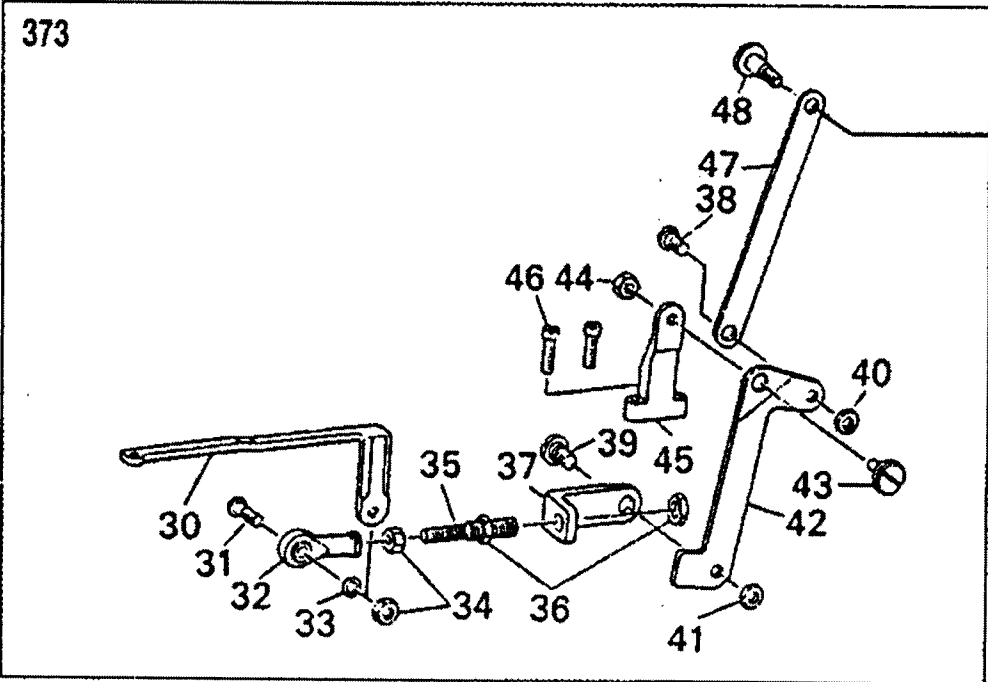
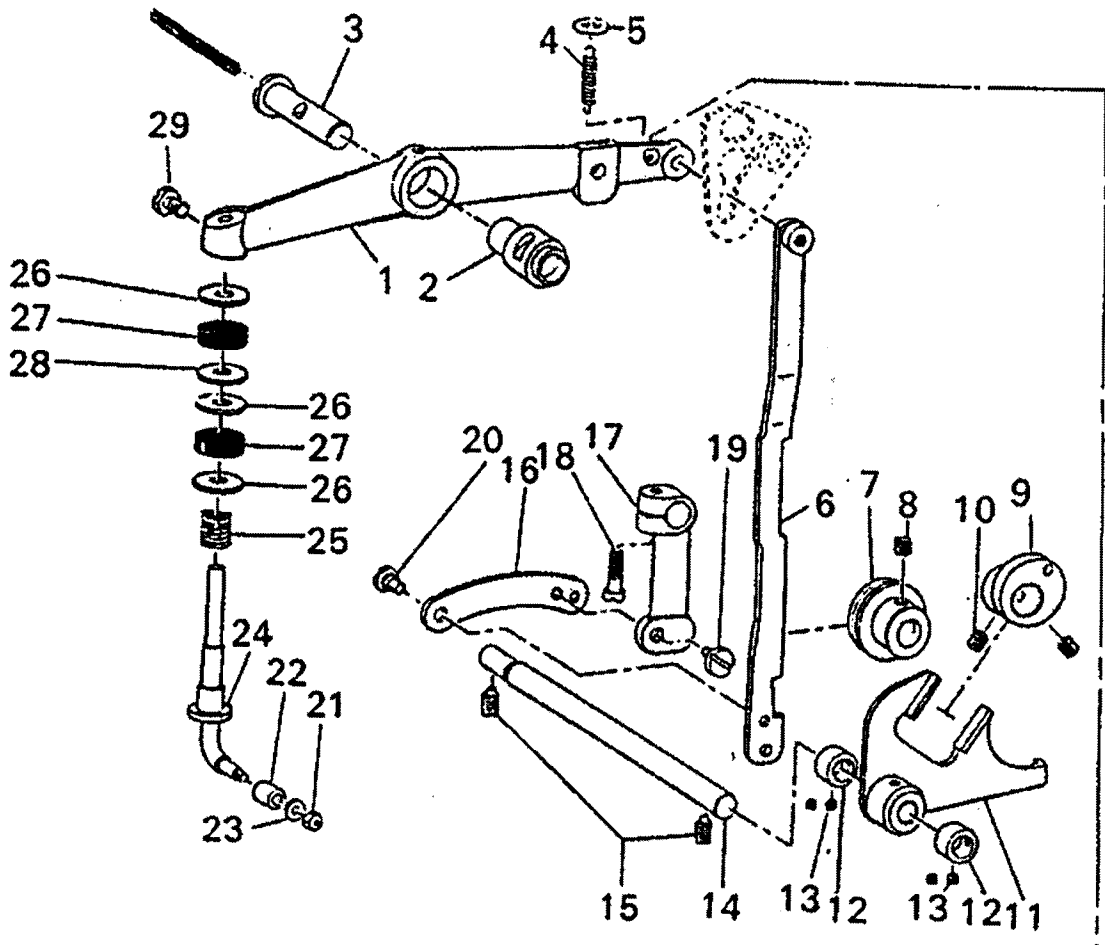
	<u>Part No.</u>	<u>Description</u>	<u>Amt. Req.</u>
1	B00401	SCREW 15/64-28 L=12	1
2	B00402	THREAD GUIDE	1
3	B00403	HINGE SCREW D=7.94 H=12.7	1
4	B00404	NUT	2
5	B00405	NUT	1
6	B00406	THREAD NIPPER	1
7	B00407	THREAD RELEASING SCREW STUD	1
8	B00408	NIPPER BAR BLOCK SPRING	1
9	B00409	NIPPER BAR BLOCK SPRING 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



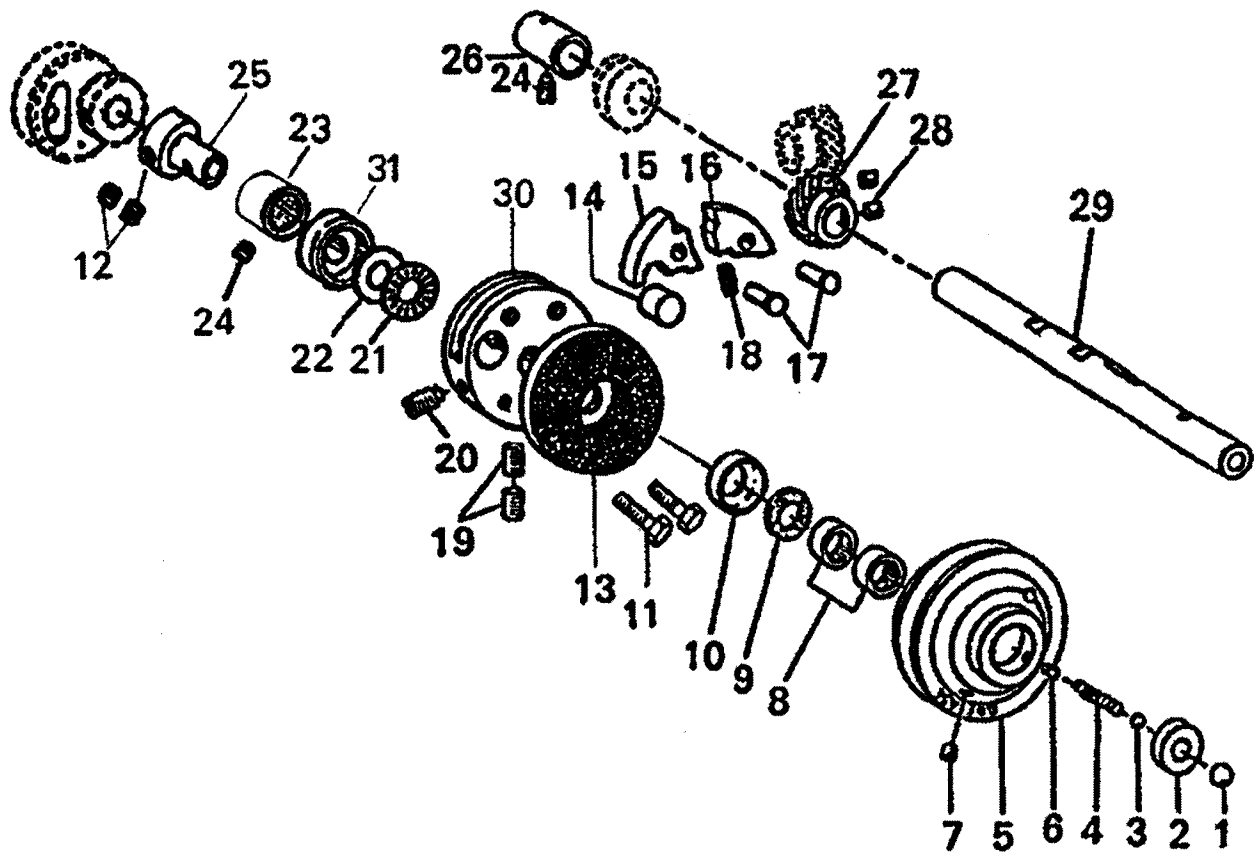
	Part No.	Description	Amt. Req.
1	B00501	FEED PLATE	1
2	B00502	WASHER	1
3	B00503	SCREW 3/16-28 L=6	2
4	B00504	INDICATOR PIN BEARING BLOCK	1
5	B00505	CROSSWISE FEED INDICATOR	1
6	B00506	CROSSWISE FEED INDICATOR PIN	1
7	B00507	NUT	1
8	B00508	HINGE SCREW FOR CROSSWISE FEED	1
9	B00509	SLIDE PLATE CONNECTING LINK	1
10	B00510	HINGE SCREW D=6.35 H=4.8	1
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	B00516	HINGE SCREW D=6.35 H=9.6	1
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	1
27	B00527	HINGE SCREW D=6.35 H=4.8	1
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	B00532	CAM BOSS	2
33	B00533	SCREW M8-1.25 L=8	4
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 (373X) ✓ cr>> Ti7clt	1

# 6. BUTTON CLAMP LIFTER COMPONENTS



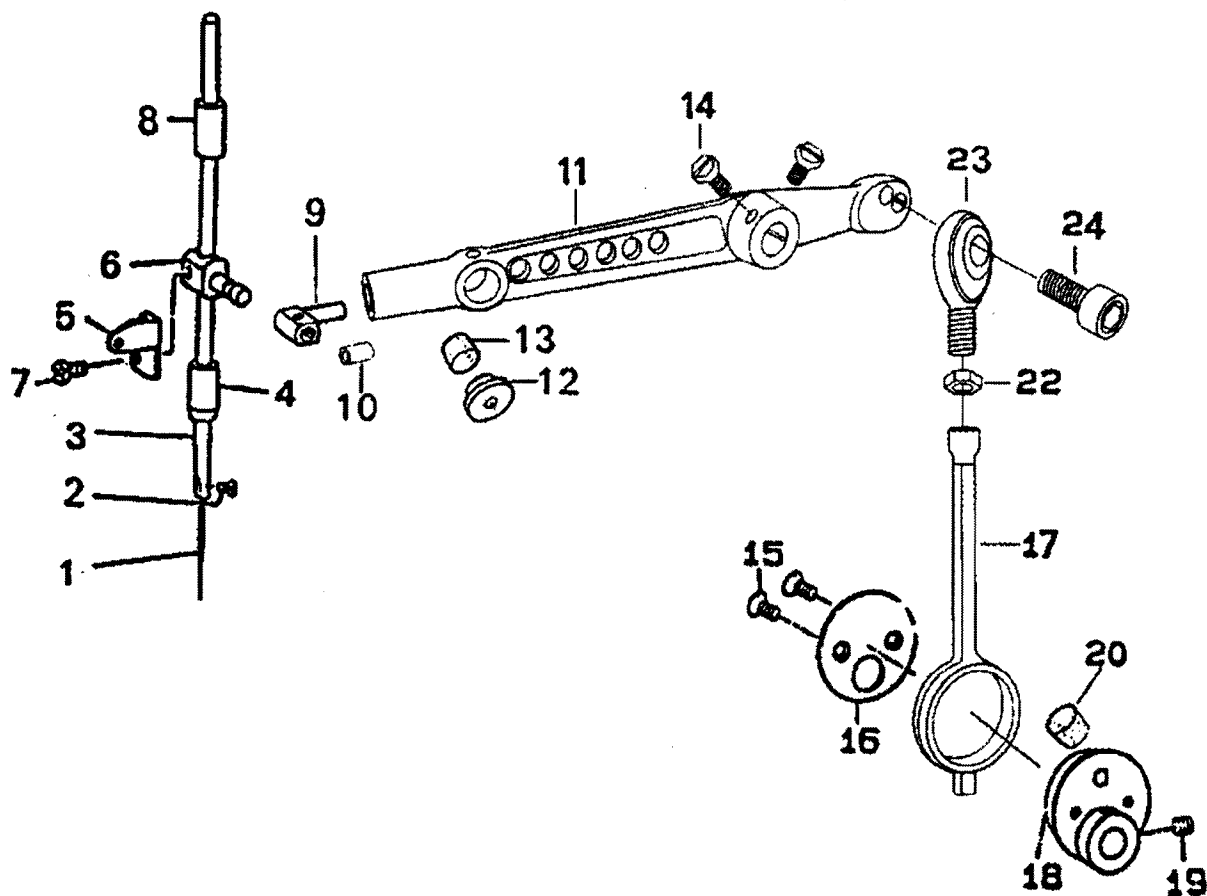
	Part No.	Description	Amt. Req.
1	B00601	BUTTON CLAMP LIFTING LEVER	1
2	B00602	BUSHING	1
3	B00603	BUTTON CLAMP LIFTING LEVER SHAFT	1
4	B00604	NIPPER BAR ACTUATING LEVER SPRINC	1
5	B00605	WASHER	1
6	B00606	BUTTON CLAMP LIFTING LINK	1
7	B00607	SLIDING ROLLER	1
8	B00608	SCREW 1/4-40 L=6	1
9	B00609	ECCENTRIC CAM	1
10	B00610	SCREW 1/4-40 L=6	2
11	B00611	BUTTON CLAMP LIFTING	1
12	B00612	THRUST COLLAR	2
13	B00613	SCREW 11/64-40 L=3.5	4
14	B00614	LEVER SHAFT	1
15	B00615	SCREW 15/64-28 L=10.5	2
16	B00616	LIFTING LINK CONNECTING LINK	1
17	B00617	LIFTING LINK LEVER	1
18	B00618	SCREW M5-0.8 L=14	1
19	B00619	HINGE SCREW M5-0.8 L=8	1
20	B00620	HINGE SCREW D=6.35 H=2.1	1
21	B00621	NUT	1
22	B00622	BUTTON CLAMP LIFTING ROD ROLL	1
23	B00623	WASHER	1
24	B00624	BUTTON CLAMP LIFTING ROD	1
25	B00625	SPRING	1
26	B00626	WASHER	3
27	B00627	CUSHION	2
28	B00628	WASHER	1
29	B00629	SCREW 15/64-28 L=11	1
30	B00630	CONNECTING LINK, FRONT	1
31	B00631	JOINT STUD	1
32	B00632	FEED ADJUSTING JOINT	1
32	B00633	WASHER	1
34	B00634	NUT	2
35	B00635	CONNECTING SCREW	1
36	B00636	NUT 15/64-24	2
37	B00637	CONNECTING LINK, REAR	1
38	B00638	HINGE SCREW M6-1.0 D=8.0 H=3.2	1
39	B00639	HINGE SCREW M6-1.0 D=8.0 H=3.2	1
40	B00640	NUT M6-1.0	1
41	B00641	NUT M6-1.0	1
42	B00642	THREAD TRIMMING LINK	1
43	B00643	HINGE SCREW M6-1.0 D=8.0 H=3.2	1
44	B00644	NUT M6-1.0	1
45	B00645	THREAD TRIM LEVER BASE	1
46	B00646	SCREW 11/64-40 L=14	2
47	B00647	THREAD TRIMMING LINK	1
48	B00648	HINGE SCREW D=6.35 H=13.2	1

# 7. NEEDLE DRIVING PULLEY SHAFT MECHANISM COMPONENTS



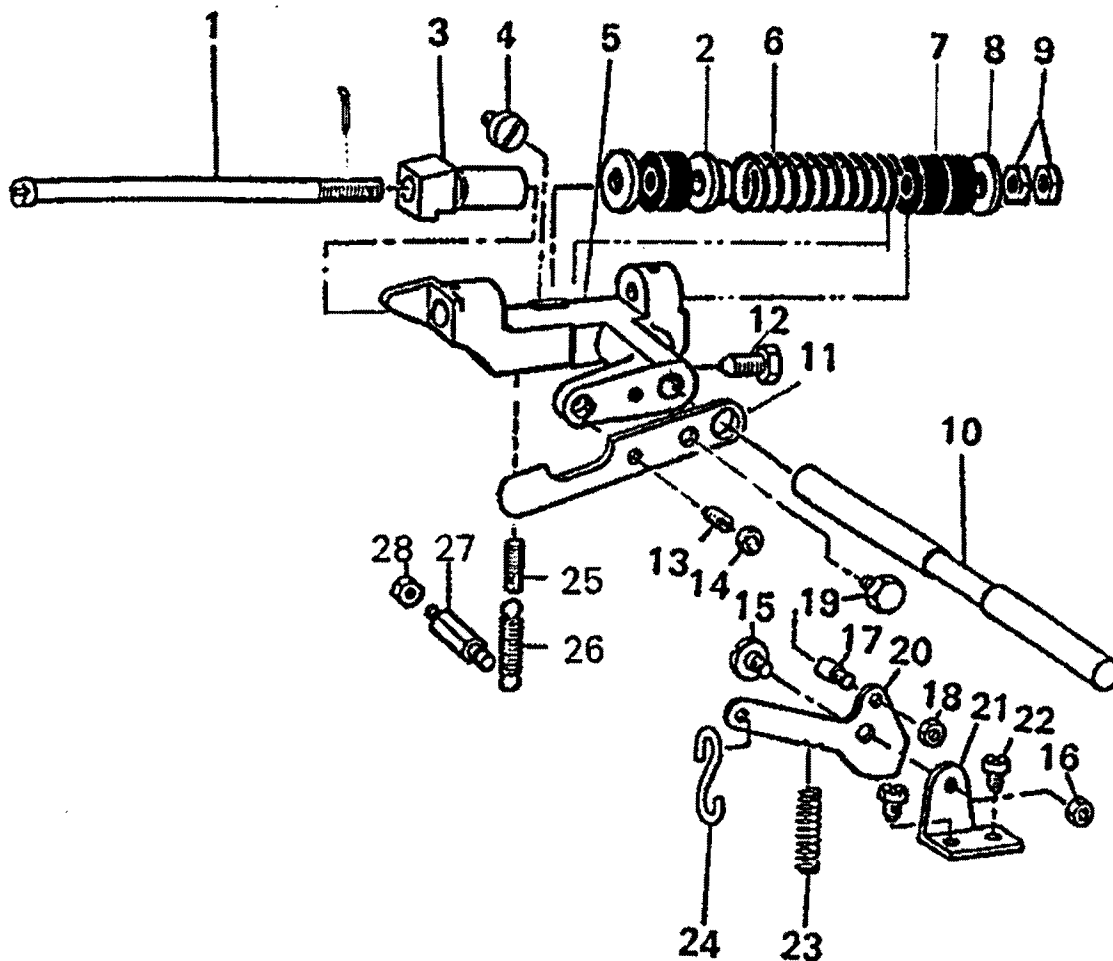
	Part No.	Description	Amt. Req.
1	B00701	BALL LARGE	1
2	B00702	PULLEY INSERT	1
3	B00703	BALL SMALL	1
4	B00704	SPRING	1
5	B00705	NEEDLE DRIVING PULLEY	1
6	B00706	SCREW 11/64-40 L=6.5	1
7	B00707	SCREW 15/64-28 L=4	1
8	B00708	NEEDLE BEARING	2
9	B00709	GREASE RETAINING WICK	1
10	B00710	RETAINING WASHER	1
11	B00711	SCREW 15/64-28 L=23.5	2
12	B00712	SCREW	2
13	B00713	NEEDLE DRIVING PULLEY CLUTCH DISC	1
14	B00714	SEAL PLUG	1
15	B00715	STOP MOTION DISC PAWL	1
16	B00716	STOP MOTION DISC LATCH	1
17	B00717	SCREW D=6.35 H=16	2
18	B00718	SPRING	1
19	B00719	SCREW 5/16-24 L=10	2
20	B00720	SCREW 5/16-24 L=17	2
21	B00721	THRUST BALL BEARING	1
22	B00722	ECCENTRIC WASHER	1
23	B00723	NEEDLE BEARING	1
24	B00724	SCREW 15/64-28 L=10.5	2
25	B00725	LOOPER & CAM SLEEVE	1
26	B00726	PULLEY SHAFT BUSHING, LEFT	1
27	B00727	DRIVING GEAR	1
28	B00728	SCREW 1/4-40 L=6	2
29	B00729	NEEDLE DRIVING PULLEY SHAFT	1

## 8. NEEDLE BAR DRIVING MECHANISM COMPONENTS



	Part No.	Description	Amt. Req.
1	BO0801	NEEDLE	1
2	BO0802	SCREW 1/8-44 L=4.5	1
3	BO0803	NEEDLE BAR	1
4	BO0804	NEEDLE BAR BUSHING, LOWER	1
5	BO0805	NEEDLE BAR BALANCE	1
6	BO0806	NEEDLE BAR CLAMP	1
7	BO0807	SCREW 9/64-40 L=12	1
8	BO0808	NEEDLE BAR BUSHING, UPPER	1
9	BO0809	NEEDLE BAR BEARING BLOCK	1
10	BO0810	BUSHING	1
11	BO0811	NEEDLE BAR LEVER	1
12	BO0812	SEAL PLUG	1
13	BO0813	OIL FELT	1
14	BO0814	SCREW 15/64-28 L=15.5	2
15	BO0815	SCREW 11/64-40 L=8.5	2
16	BO0816	THRUST HOLDER	1
17	BO0817	CRANK ROD	1
18	BO0818	ECCENTRIC CAM	1
19	BO0819	SCREW 1/4-40 L=6	2
20	BO0820	OIL WICK	1
21	BO0821	OIL WICK	1
22	BO0822	NUT-M8	1
23	BO0823	BALL BEARING	1
24	BO0824	SCREW 9/32-28	1

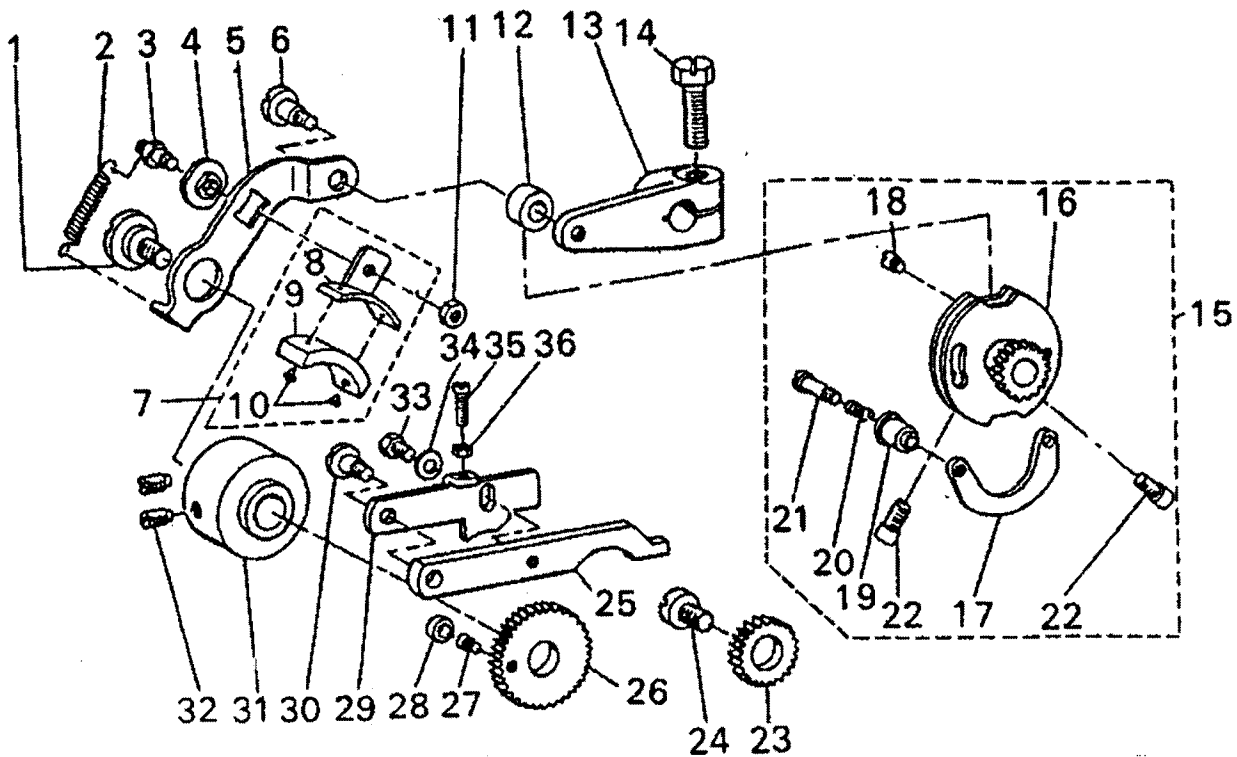
## 9. STOP MOTION MECHANISM COMPONENTS



Part No.	Description	Amt. Req.
1	B00901 STOP MOTION PLUNGER ROD	1
2	B00902 SEAL PLUG	1
3	B00903 STOP MOTION PLUNGER	1
4	B00904 SCREW 15/64-28 L=10	1
5	B00905 STOP MOTION PLUNGER LEVER	1
6	B00906 STOP MOTION DISC SPRING	1
7	B00907 RUBBER CUSHION	3
8	B00908 WASHER	2
9	B00909 NUT	2
10	B00910 STOP MOTION LEVER SHAFT	1
11	B00911 STOP MOTION DISC PRESSURE LEVER	1
12	B00912 SCREW	1
13	B00913 SCREW 15/64-28 L=15	1
14	B00914 NUT	1
15	B00915 HINGE SCREW D=8.0 H=3.0	1
16	B00916 NUT	1
17	B00917 STOP SCREW	1
18	B00918 NUT	1
19	B00919 SCREW 15/64-28 L=10.5	1
20	B00920 STOP MOTION TRIP LEVER	1
21	B00921 STOP MOTION TRIP LEVER BRACKET	1
22	B00922 SCREW M6-1.0 L=12	2
23	B00923 SPRING	1
24	B00924 S SHAPED HOOK	1
25	B00925 SPRING HANGER M6-1.0 L=21	1
26	B00926 STOP MOTION LEVER SPRING	1
27	B00927 SCREW STUD	1
28	B00928 NUT	1



# 10. STITCH SELECTING PARTS COMPONENTS



Part No.	Description	Amt. Req.
1	BO1001 HINGE SCREW D=12.7 H=3.2	1
2	BO1002 SPRING	1
3	BO1003 FRICTION PLATE ROTATING STUD	1
4	BO1004 SLIDE BLOCK	1
5	BO1005 SPEED SLOWING LEVER	1
6	BO1006 HINGE SCREW D=7.94 H=13.3	1
7	BO1007 FRICTION PLATE HOLDER ASM.	1
8	BO1008 FRICTION PLATE HOLDER	1
9	BO1009 SPEED SLOWING FRICTION PLATE	1
10	BO1010 POSITIONING PIN	2
11	BO1011 NUT	1
12	BO1012 STOP MOTION TRIPPING LEVER CAM ROLL	1
13	BO1013 STOP MOTION TRIPPING LEVER	1
14	BO1014 SCREW M8-1.25 L=20	1
15	BO1015 STOP MOTION CAM ASM.	1
16	BO1016 STOP MOTION CAM	1
17	BO1017 STOP MOTION CAM SHOE	1
18	BO1018 SCREW	1
19	BO1019 STOP MOTION CAM KNOB	1
20	BO1020 SPRING	1
21	BO1021 HINGE SCREW D=4.8 H=14.5	1
22	BO1022 SCREW 15/64-28 L=10.5	2
23	BO1023 STITCH SELECTING SPUR GEAR	1
24	BO1024 SCREW STUD	1
25	BO1025 STITCH SELECTING LEVER	1
26	BO1026 STITCH SELECTING SPUR GEAR, LARGE	1
27	BO1027 SCREW	1
28	BO1028 ROLL	1
29	BO1029 STITCH SELECTING LATCH	1
30	BO1030 HINGE SCREW D=6.35 H=9.6	1
31	BO1031 SPEED SLOWING FRICTION WHEEL	1
32	BO1032 SCREW 15/64-28 L=10.5	2
33	BO1033 SCREW 11/64-40 L=9.5	1
34	BO1034 WASHER	1
35	BO1035 SCREW 1/8-44 L=12	1