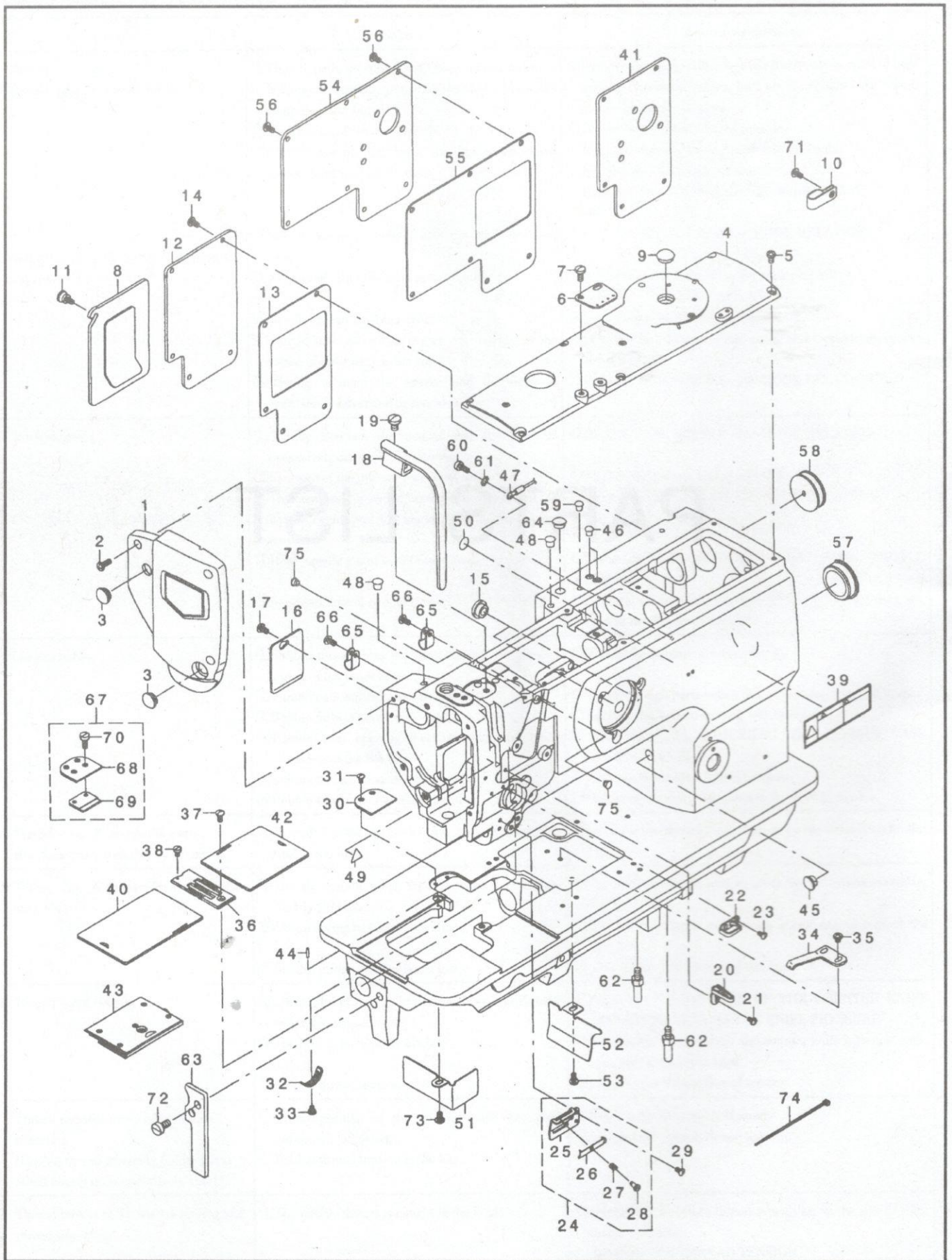


1. FRAME & MISCELLANEOUS COVER COMPONENTS



1. FRAME & MISCELLANEOUS COVER COMPONENTS

REF NO.	NOTE	PART NO.*	DESCRIPTION	Qty
1		23-0101	FACE PLATE ASM.	1
2		23-0102	SCREW 11/64-40 L=12	3
3		23-0103	RUBBER PLUG D=12.5 L=4	2
4		23-0104	TOP COVER B	1
5		23-0105	SCREW 11/64-40 L=8	6
6		23-0106	ARM THREAD GUIDE	1
7		23-0107	SCREW 3/16-32 L=9.5	2
8	#01	23-0108	WINDOW PLATE A ASM.	1
9	#01	23-0109	RUBBER PLUG D=14.5 L=4	1
10	#02	39-0110	CORD HOLDER, LARGE	1
11	#01	23-0111	SETSCREW	1
12	#01	23-0112	WINDOW PLATE B	1
13	#01	23-0113	WINDOW PLATE PACKING B	1
14	#01	23-0105	SCREW 11/64-40 L=8	5
15		23-0115	RUBBER PLUG	2
16	#01	23-0116	SIDE COVER	1
17	#01	23-0105	SCREW 11/64-40 L=8	1
18		23-0118	BALANCE COVER	1
19		23-0119	SCREW 15/64-28 L=9	1
20		23-0120	THREAD GUIDE	1
21		23-0121	SCREW 9/64-40 L=6	1
22		23-0122	FRAME THREAD GUIDE, UPPER	1
23		23-0123	SCREW 9/64-40 L=7.2	2
24		23-0124	THREAD GUIDE ASM.	1
25		23-0125	THREAD GUIDE PLATE	(1)
26		23-0126	NEED LETHREAD PRESSER PLATE	(1)
27		23-0127	THREAD PRESSER PLATE SPRING	(1)
28		23-0128	HINGE SCREW D=3.80 H=5.5	(1)
29		23-0123	SCREW 9/64-40 L=7.2	1
30	#02	39-0168	AUXILIARY COVER	1
31		23-0123	SCREW 9/64-40 L=7.2	2
32		23-0132	TAKE-UP SPRING ADJUSTING PLATE	1
33		23-0133	SCREW 9/64-40 L=4.5	1
34		23-0134	BED SLIDE SPRING	1
35		23-0135	SCREW 11/64-40 L=5	2
36	#05	23-0136	NEEDLE PLATE 3/8	1
37		23-0137	SCREW 11/64-40 L=8.5	1
38		23-0138	SCREW 9/64-40 L=6	1
39		23-0139	SAFETY LABEL 12	1
40	#03	23-0140	BED SLIDE(LEFT) A	1
41	#04	39-0141	WINDOW PLATE D	1
42	#03	23-0142	BED SLIDE(RIGHT) A	1
43		23-0143	BED SLIDE ASM.	1
44		23-0144	THROAT PLATE PIN	1
45		23-0145	RUBBER PLUG	1
46		23-0146	RUBBER PLUG	2
47	#02	39-0147	EARTH CORD ASM.	1
48		23-0148	RUBBER PLUG	2
49		23-0149	ATTENTION SEAL	1
50		39-0150	GROUND MARK	1
51		23-0151	OIL SHIELD (LEFT)	1
52	#01	23-0152	DUST COVER	1
53	#01	23-0105	SCREW 11/64-40 L=8	1
54	#02	39-0154	WINDOW PLATE C	1
55	#02	39-0155	WINDOW PLATE PACKING C	1
56	#02	23-0105	SCREW 11/64-40 L=8	6
57		23-0157	CAP	1
58		23-0158	RUBBER PLUG	1
59	#02	23-0159	RUBBER PLUG	1
60	#02	23-0170	SCREW 11/64-40 L=11	1
61	#02	23-0161	TOOTHED WASHER D=5.3	1
62		23-0162	BED SCREW STUD	2
63		23-0163	BED SUPPORT PLATE	1
64		23-0164	RUBBER PLUG	1
65	#02	23-0165	CABLE CLIP	2
66	#02	23-0105	SCREW 11/64-40 L=8	2
67	#01	23-0167	AUXILIARY COVER ASM.	1
68	#01	23-0168	AUXILIARY COVER	(1)
69	#01	23-0169	SLIDING PLATE SUPPORT	(1)
70	#01	23-0170	SCREW 11/64-40 L=11	(2)
71	#02	23-0105	SCREW 11/64-40 L=8	1
72		23-0172	SCREW 15/64-28 L=12	2
73		23-0105	SCREW 11/64-40 L=8	1
74	#02	23-0174	CABLE BAND	2
75	#01	23-0175	CAP	2

FOR 1510N/1510N-7:

No.36.....25-0136 NEEDLE PLATE

No.40.....25-0138

No.42.....25-0139

NOTE #01.....FOR 1560N/1510N

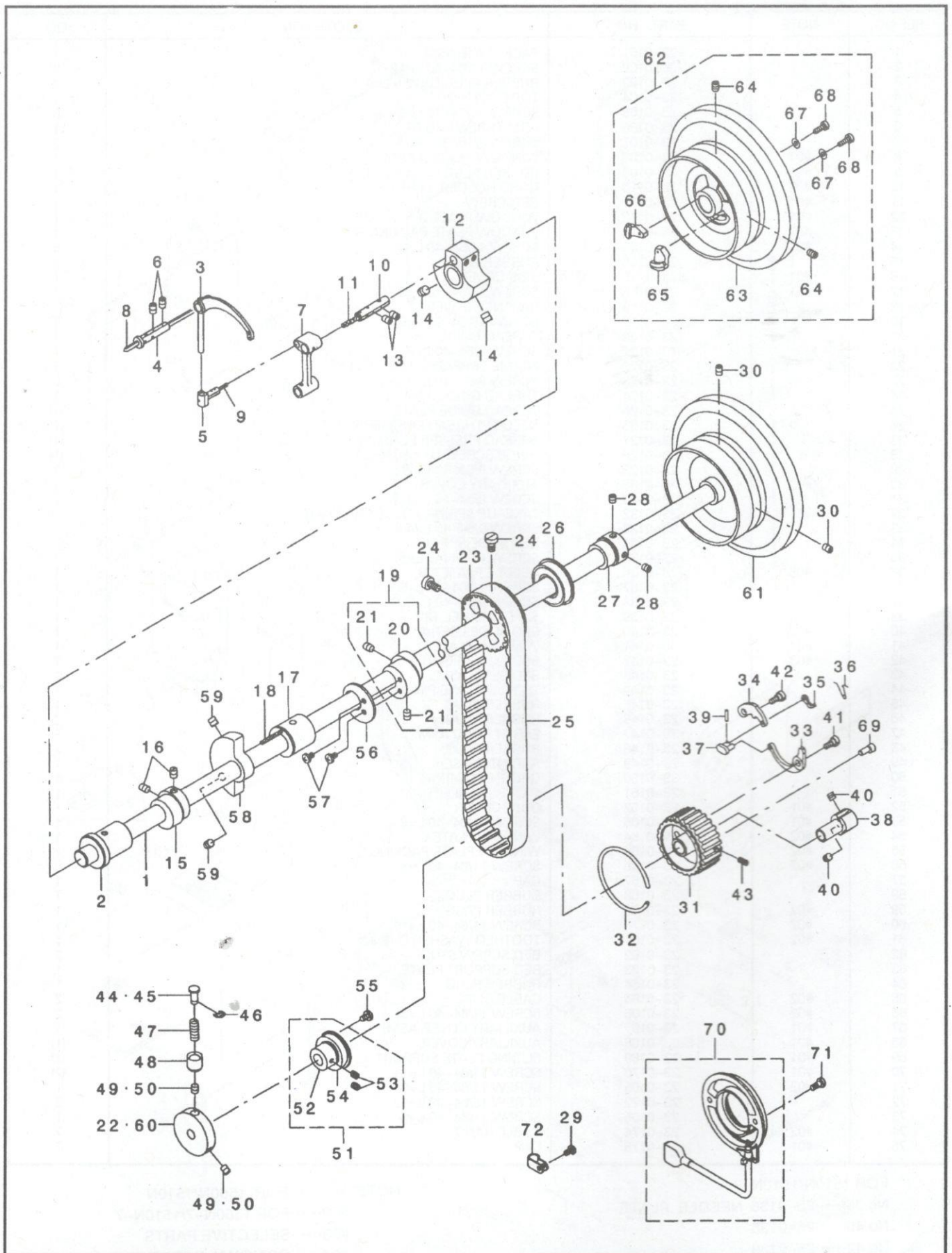
#02.....FOR 1560N-7/1510N-7

#03.....SELECTIVE PARTS

#04.....OPTIONAL PARTS

#05.....EXCHANGING GAUGE PARTS

2. UPPER SHAFT LOWER SHAFT DRIVING & BALANCE COMPONENTS

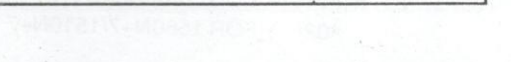


2. UPPER SHAFT LOWER SHAFT DRIVING & BALANCE COMPONENTS

REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		23-0201	UPPER SHAFT	1
2		23-0202	UPPER SHAFT FRONT METAL	1
3		23-0203	THREAD TAKE-UP LEVER	1
4		23-0204	TAKE-UP LEVER PIN	1
5		23-0205	THRUST PIN	1
6		23-0206	SCREW 15/64-28 L=8	2
7		23-0207	NEEDLE BAR CRANK ROD	1
8		23-0208	OIL WICK	0.45
9		23-0209	OIL WICK	0.03
10		23-0210	NEEDLE BAR CRANK PIN	1
11		23-0211	OIL WICK	0.03
12		23-0212	COUNTER WEIGHT(A) (36MM)	1
13		23-0206	SCREW 15/64-28 L=8	2
14		23-0214	SCREW M8x8	2
15	#01	23-0215	UPPER FEED CAM (3.5)	1
16	#01	23-0216	SCREW 1/4-40 L=8	2
17		23-0217	UPPER SHAFT INNER METAL	1
18		23-0218	OIL WICK	0.15
19		23-0219	ECCENTRIC CAM A ASM.	1
20		23-0220	ECCENTRIC CAM A	(1)
21		23-0216	SCREW 1/4-40 L=8	(2)
22	#01	23-0222	SAFETY CLUTCH DISC	1
23		23-0223	UPPER SPROCKET	1
24		23-0224	SCREW 1/4-40 L=11	2
25		23-0225	TIMING BELT	1
26		23-0226	BUSHING, REAR	1
27		23-0227	UPPER SHAFT BEARING HOOK	1
28		23-0228	SCREW M6x6	2
29	#02	23-0105	SCREW 11/64-40 L=8	1
30		23-0206	SCREW 15/64-28 L=8	2
31		23-0231	LOWER SPROCKET	1
32		23-0232	SPROCKET RING	1
33		23-0233	SAFETY CLUTCH SPRING	1
34		23-0234	SAFETY CLUTCH HOOK	1
35		23-0235	SAFETY CLUTCH COUNTER-HOOK	1
36		23-0236	COUNTER-HOOK SPRING	1
37		23-0237	SAFETY CLUTCH SMALL LINK	1
38		23-0238	SAFETY BASE	1
39		23-0239	SAFETY CLUTCH SMALL LINK PIN	1
40		23-0408	SCREW 1/4-40 L=6	2
41		23-0241	HINGE SCREW D=6.35 H=3.2	1
42		23-0241	HINGE SCREW D=6.35 H=3.2	1
43		23-0243	SCREW 11/64-40 L=9.5	1
44	#01	23-0244	SAFETY CLUTCH PUSH BUTTON	1
45	#02	39-0245	SAFETY CLUTCH PUSH BUTTON	1
46		23-0246	E-RING	1
47		23-0247	SPRING	1
48		23-0248	SAFETY CLUTCH KNOB SLEEVE	1
49	#01	23-0249	SCREW 15/64-28 L=7	2
50	#02	39-0250	SCREW 1/4-40 L=4.5	2
51		23-0251	THRUST COLLAR ASM., B	1
52		23-0252	THRUST COLLAR, B	(1)
53		23-0253	SCREW 1/4-40 L=10	(2)
54		23-0254	BEARING 20x42	(1)
55		23-0255	SCREW 3/16-28 L=7.0	2
56		23-0256	HORIZONTAL FEED CAM COVER	1
57		23-0257	SCREW 11/64-40 L=7	2
58	#01	23-0258	BALANCER	1
59	#01	23-0259	SCREW 15/64-28 L=15	2
60	#02	39-0260	SAFETY CLUTCH DISC	1
61	#01	23-0261	FLYWHEEL	1
62		39-0262	FLYWHEEL ASM.	1
63		39-0263	FLYWHEEL	(1)
64		23-0206	SCREW 15/64-28 L=8	(2)
65		39-0265	MAGNET FITTING BASE A ASM.	(1)
66		39-0266	MAGNET FITTING BASE B ASM.	(1)
67		39-0267	WASHER 4.5x10x0.8	(2)
68		39-0268	SCREW 11/64-40 L=12	(2)
69		23-0269	ADJUSTING PIN (1.2)	1
70	#02	39-0270	CONTAIN SYNCHRO ASM.	1
71	#02	39-0271	SCREW	2
72	#02	39-0165	CABLE CLIP	1

NOTE #01.....FOR 1560N/1510N

#02.....FOR 1560N-7/1510N-7



3. NEEDLE BAR ROCKING COMPONENTS

REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		23-0301	NEEDLE BAR FRAME	1
2		23-0302	HINGE STUD	1
3		23-0303	FELT	1
4		23-0304	OIL WICK RETAINER	1
5		23-0305	SCREW 15/64-28 L=10.5	1
6		23-0306	FELT	1
7		23-0307	NEEDLE BAR	1
8		23-0308	NEEDLE ROD HOLDER	1
9		23-0309	SCREW 9/64-40 L=8.5	1
10		23-0310	FELT	1
11	#01	23-0311	NEEDLE CLAMP 3/8 ASM.	1
12		23-0312	SCREW 9/64-40 L=3.5	(2)
13			NEEDLE SY3355 160	2
14		23-0314	UPPER FEED BAR GUIDE	1
15		23-0315	SCREW 11/64-40 L=8.5	2
16		23-0316	ROCKING BASE GUIDE	1
17		23-0317	SCREW 11/64-40 L=7.5	2
18		23-0318	ROCKING BASE GUIDE(B)	1
19		23-0319	SCREW	2
20		23-0320	ROCKING FRONT ARM	1
21		23-0321	SCREW	2
22		23-0322	ROCKING SHAFT	1
23		23-0323	SQUARE BLOCK	1
24		23-0324	STUD	1
25		23-0325	ROCKING SHAFT FRONT METAL	1
26		23-0326	ROCKING SHAFT REAR METAL	1
27		23-0327	ROCKING REAR ARM ASM.	1
28		23-0328	ROCKING REAR ARM	(1)
29		23-0329	SCREW 15/64-28 L=23.5	(1)
30		23-0330	ROCKING REAR ARM FELT	(1)
31		23-0331	CABLE BAND	(2)
32		23-0332	OIL WICK	0.05

FOR 1510N/1510N-7:

No.1.....25-0301 NEEDLE BAR FRAME,

No.7.....25-0307 NEEDLE BAR

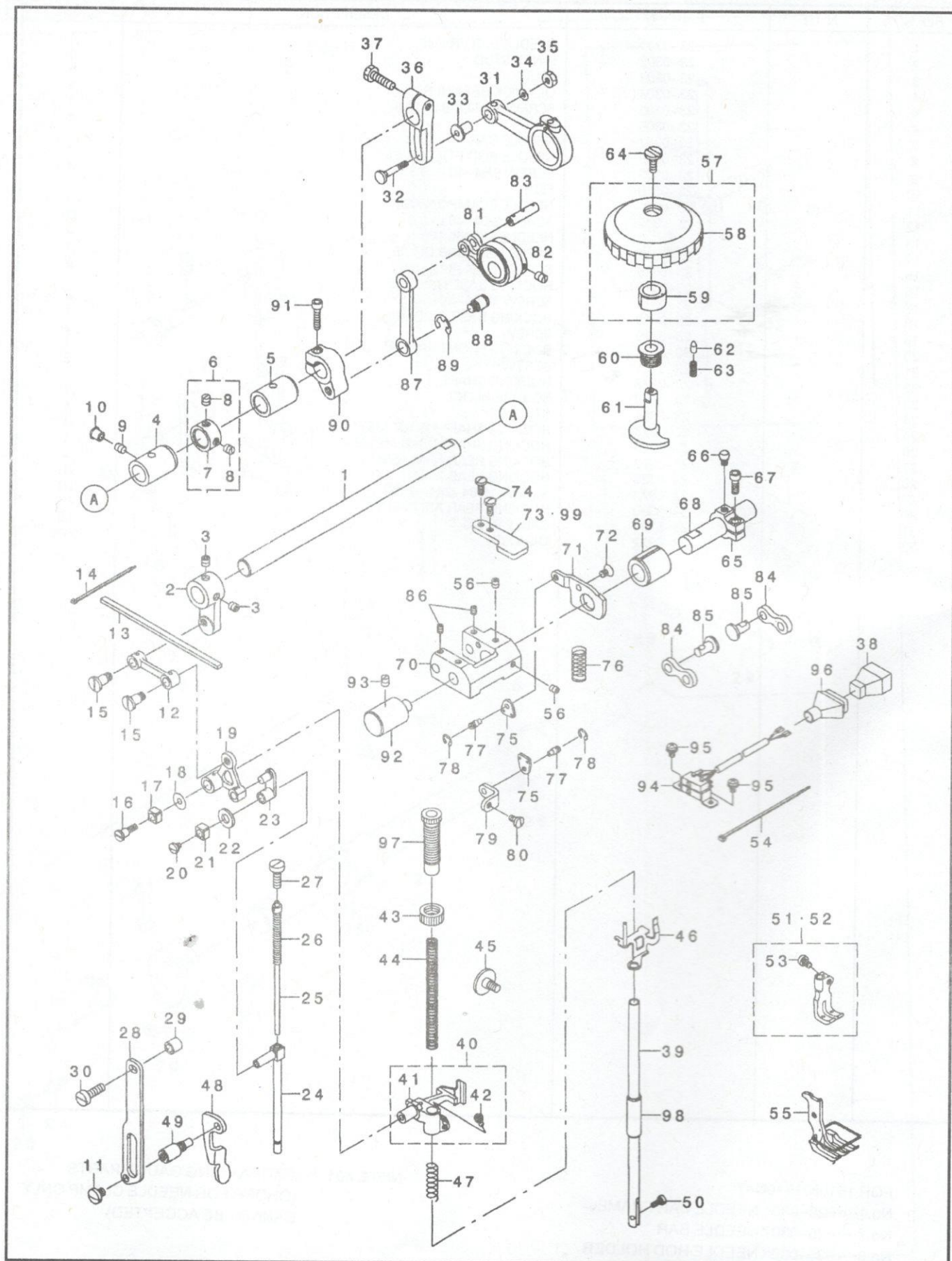
No.8.....25-0308 NEEDLE ROD HOLDER

No.11.....25-0311 NEEDLE CLAMP

No.12.....25-0308 SCREW

NOTE #01.....EXCHANGING GAUGE PARTS
(ORDER FOR NEEDLE CLAMP ONLY
CANNOT BE ACCEPTED)

4. PRESSURE ADJUSTING & UPPER FEED MECHANISM COMPONENTS



4. PRESSURE ADJUSTING & UPPER FEED MECHANISM COMPONENTS

REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		23-0401	UPPER FEED SHAFT	1
2		23-0402	UPPER FEED FRONT ARM	1
3		23-0403	SCREW 1/4-40 L=6	2
4		23-0404	FRONT METAL	1
5		23-0405	FEED SHAFT METAL	1
6		23-0406	MAIN SHAFT THRUST COLLAR ASM.	1
7		23-0407	MAIN SHAFT THRUST COLLAR	(1)
8		23-0408	SCREW 1/4-40 L=6	(2)
9		23-0249	SCREW 15/64-28 L=7	1
10		23-0148	RUBBER PLUG	1
11		23-0411	SCREW 15/64-28 L=7	1
12		23-0412	UPPER FEED LINK	1
13		23-0413	FELT	1
14		23-0174	CLIP CV-70S	2
15		23-0415	HINGE SCREW, B	2
16		23-0416	HINGE SCREW D=6.35 H=7	1
17		23-0417	SLIDE BLOCK	1
18		23-0418	WASHER 5/16x1.5	1
19		23-0419	TRIANGULAR LEVER	1
20		23-0420	SCREW 11/64-40 L=5	1
21		23-0417	SLIDE BLOCK	1
22		23-0422	FELT	1
23		23-0423	WALKING BAR DRIVING LINK	1
24		23-0424	WALKING BAR	1
25		23-0425	WALKING BAR ASM.	1
26		23-0426	WALKING BAR SPRING	1
27		23-0427	SCREW 15/64-28 L=17.0	1
28		23-0428	UPPER FEED GUIDE PLATE	1
29		23-0429	ROLLER	1
30		23-0430	SCREW 15/64-28 L=19.0	1
31	#01	23-0431	UPPER FEED ROD	1
32	#01	23-0432	HINGE SCREW	1
33	#01	23-0433	CONNECTING STUD	1
34	#01	23-0434	WASHER 4.8x1.5	1
35	#01	23-0435	NUT 11/64-40	1
36	#01	23-0436	UPPERFEED REAR ARM	1
37	#01	23-0437	SCREW M6 L=22	1
38	#02	23-0438	12-POLE PLUG	1
39		23-0439	PRESSER BAR	1
40		23-0440	PRESSER BAR HOLDER ASM.	1
41		23-0441	PRESSER BAR HOLDER	(1)
42		23-0315	SCREW 11/64-40 L=8.5	(1)
43		23-0443	NUT	1
44		23-0444	PRESSER SPRING	1
45		23-0445	HINGE SCREW D=8 H=4.9	1
46		23-0446	HOLDING PLATE COMPL.	1
47		23-0447	THREAD RELEASE SPRING	1
48		23-0448	PRESSER LIFTER LEVER	1
49		23-0449	GUIDE PLATE SPACER	1
50		23-0450	SCREW 9/64-40 L=9	1
51	#03	23-0451	WALKING FOOT 1-1/4 ASM.	1
52	#04	39-0452	WALKING FOOT ASM.	1
53		23-0453	SCREW 11/64-40 L=6.5	(1)
54	#02	23-0174	CABLE BAND	1
55	#05	23-0455	PRESSER FOOT ASM. 3/8	1
56	#02	23-1220	SCREW M5 L=6	2
57	#02	39-0457	UPPER AND LOWER DIAL ASM.	1
58		39-0458	VESTICAL DIAL	(1)
59		39-0459	VERTICAL CAM	(1)
60	#02	39-0460	VERTICAL DIAL SHAFT BUSHING	1

FOR 1510N/1510N-7:

No.52.....25-0452 WALKING FOOT

No.55.....25-0438 PRESSER FOOT

NOTE #01.....FOR 1560N/1510N

#02.....FOR 1560N-7/1510N-7

#03.....EXCHANGING GAUGE PARTS
(FOR 1560N)

#04.....EXCHANGING GAUGE PARTS
(FOR 1560N-7)

#05.....EXCHANGING GAUGE PARTS

4. PRESSURE ADJUSTING & UPPER FEED MECHANISM COMPONENTS

REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
61	#02	39-0461	VERTICAL ADJUSTING CAM	1
62	#02	39-0462	VERTICAL DIAL PIN	1
63	#02	39-0463	SPRINO	1
64	#02	39-0464	SCREW 11/64-40 L=6	1
65	#02	39-0465	VERTICAL ADJUSTING ARM	1
66	#02	39-0466	PIN	1
67	#02	39-0467	SCREW M5 $\times$ 0.8 L=14	1
68	#02	39-0468	VERTICAL CHANGE BASE SHAFT	1
69	#02	39-0469	FEED SHAFT FRONT METAL	1
70	#02	39-0470	VERTICAL CHANGE BELT	1
71	#02	39-0471	UPPER FEED STOPPER PLATE(A)	1
72	#02	39-0472	SCREW M5 L=8	1
73	#01	23-0473	UPPER FEED STOPPER PLATE(B)	1
74		23-0315	SCREW	2
75	#02	39-0475	SPRING HOOK	2
76	#02	39-0476	VERTICAL SHAFT SPRING	1
77	#02	39-0477	CONNECTING ROD HINGE SCREW	2
78	#02	39-0478	E-RING	2
79	#02	39-0479	UPPER FEED DOG SPRING HOOK	1
80	#02	23-0317	SCREW 11/64-40 L=7.5	1
81	#02	39-0481	ECCENTRIC ROD(SET)	1
82	#02	23-0216	SCREW 1/4-40 L=8	2
83	#02	39-0483	CONNECTION LINK PIN B	1
84	#02	39-0484	CONNECTION LINK B	2
85	#02	39-0485	CONNECTION LINK B SUPPORT PIN	2
86	#02	23-1220	SCREW M5 L=6	2
87	#02	39-0487	UPPER FEED LINK(B)	1
88	#02	39-0488	HINGE SCREW	1
89	#02	39-0489	E-SHAPED SNAP RING (8MM)	1
90	#02	39-0490	UPPER FEED REAR ARM (B)	1
91	#02	39-0491	SCREW M5 L=20	1
92	#02	23-0527	FEED ADJUSTING BASE SUPPORT	1
93	#02	23-0249	SCREW 15/64-28 L=7	1
94	#02	39-0494	VERTICAL DETECTOR SWITCH ASM.	1
95	#02	39-0495	SCREW M4 L=8	2
96	#02	39-0496	12-POLE PLUG COVER	1
97		23-0497	PRESSER ADJUSTING SCREW	1
98		23-0498	PRESSER BAR LOWER BUSHING	1
99	#02	39-0499	UPPER FEED STOPPER PLATE	1

NOTE #01.....FOR 1560N/1510N

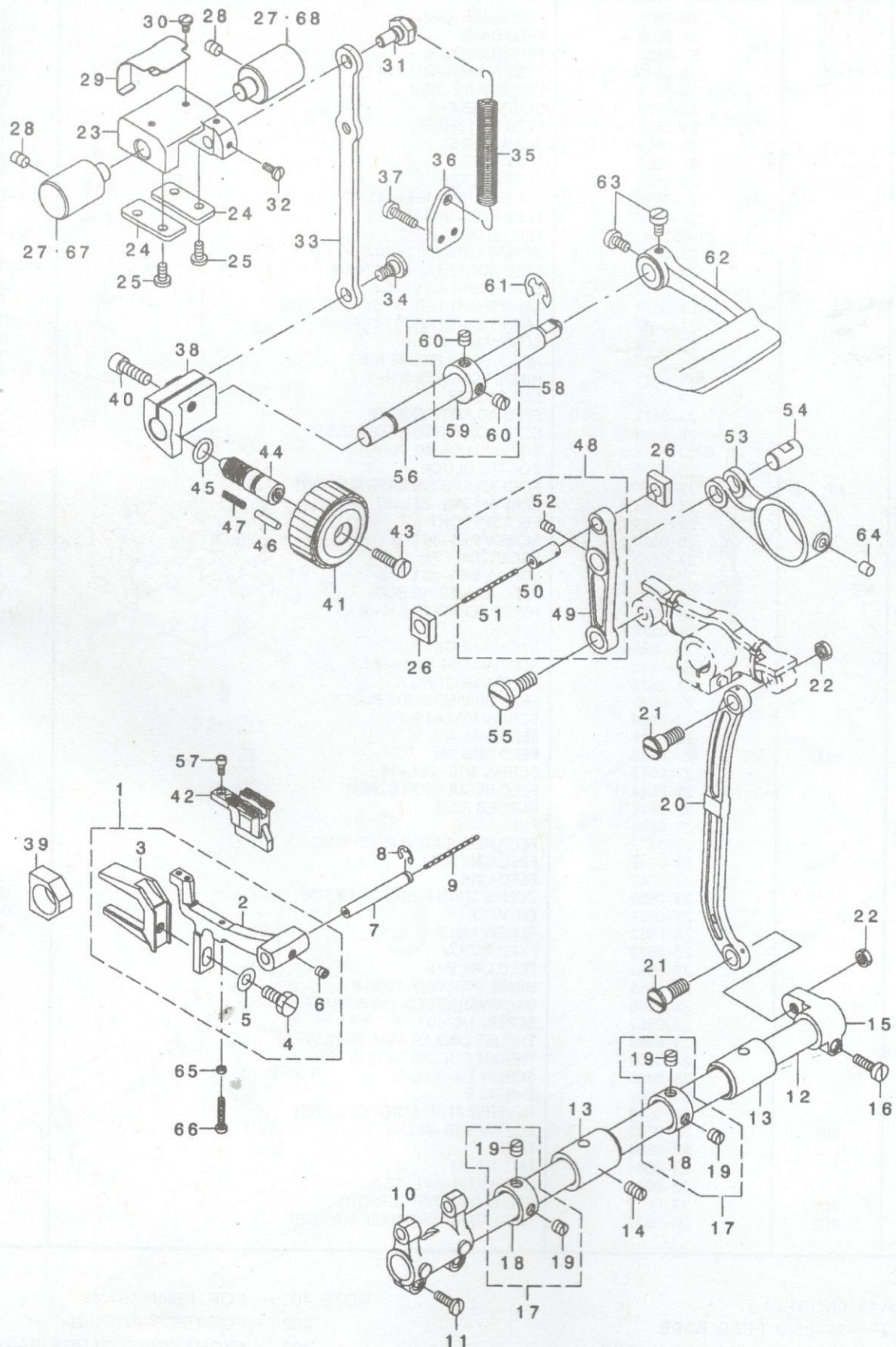
#02.....FOR 1560N-7/1510N-7

#03.....EXCHANGING GAUGE PARTS
(FOR 1560N)

#04.....EXCHANGING GAUGE PARTS
(FOR 1560N-7)

#05.....EXCHANGING GAUGE PARTS

5. FEED MECHANISM COMPONENTS



5. FEED MECHANISM COMPONENTS

REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		23-0501	FEED BASE ASM.	1
2		23-0502	FEED BASE	(1)
3		23-0503	FEED BAR FORK	(1)
4		23-0504	SCREW 15/64-28 L=14	(1)
5		23-0505	WASHER 6.2 13 13	(1)
6		23-0506	SCREW M5 L=5	(1)
7		23-0507	FEED BAR SHAFT	1
8		23-0508	SNAP RING 5	1
9		23-0509	OIL WICK	0.14
10		23-0510	FEED ROCKER	1
11		23-0511	SCREW 11/64-40 L=14	2
12		23-0512	FEED ROCK SHAFT	1
13		23-0513A, B	FEED SHAFT METAL	2
14		23-0305	SCREW 15/64-28 L=10.5	1
15		23-0515	FEED ROCKER SHAFT CRANK	1
16		23-0516	SCREW 3/16-28 L=15.5	1
17		23-0517	MAIN SHAFT THRUST COLLAR ASM.	2
18		23-0407	MAIN SHAFT THRUST COLLAR	(1)
19		23-0408	SCREW 1/4-40 L=6	(2)
20		23-0520	NEEDLE BAR FRAME ROD	1
21		23-0521	HINGE SCREW D=9 H=7	1
22		23-0522	NUT 9/32-28	1
23		23-0523	FEED ADJUSTING BASE	1
24		23-0524	FEED ADJUSTING BASE COVER	2
25		23-0315	SCREW 11/64-40 L=8.5	4
26		23-0526	SQUARE BLOCK	2
27	#01	23-0527	FEED ADJUSTING BASE SUPPORT	2
28		23-0206	SCREW 15/64-28 L=8	2
29		23-0529	FELT SUPPORT	1
30		23-0530	SCREW 9/64-40 L=6	2
31		23-0531	ECCENTRIC PIN	1
32		23-0532	SCREW 9/64-40 L=8.5	2
33		23-0533	FEED ADJUSTING ROD	1
34		23-0534	HINGE SCREW D=8 H=4	1
35		23-0535	SPRING	1
36		23-0536	SPRING HOOK	1
37		23-0537	SCREW 11/64-40 L=16	2
38		23-0538	FEED ADJUSTING A	1
39		23-0539	FEED DRIVING SLIDE BLOCK	1
40		23-0540	SCREW M6 L=18	1
41		23-0541	FEED DIAL A	1
42	#03	23-0542	FEED DOG 3/8	1
43		23-0543	SCREW 3/16-28 L=18	1
44		23-0544	FEED REGULATOR SCREW	1
45		23-0545	RUBBER RING	1
46		23-0546	PIN	1
47		23-0547	FEED REGULATOR PIN SPRING	1
48		23-0548	FEED LINK ASM.	1
49		23-0549	FEED LINK	(1)
50		23-0550	CONNECTING FORKED LINK PIN	(1)
51		23-0551	OIL WICK	(0.04)
52		23-0552	SCREW M5 16	(1)
53		23-0553	FEED ROD A	1
54		23-0554	FEED LINK PIN	1
55		23-0555	HINGE SCREW D=10 H=8	1
56		23-0556	BACKWARD FEEDLEVER SHAFT	1
57		23-0557	SCREW 1/8-40 L=7	2
58		23-0558	THRUST COLLAR ASM. D=12 W=10	1
59		23-0559	THRUST COLLAR D=12 W=10	(1)
60		23-0408	SCREW 1/4-40 L=6	(2)
61		23-0561	E-RING 9	1
62		23-0562	REVERSE FEED CONTROL LEVER	1
63	#01	23-0563	SCREW 3/16-28 L=9	2
64		23-0564	FELT	1
65		23-0565	NUT 1/8-44	1
66		23-0566	SCREW 1/8-44 L=18.0	1
67	#02	23-0527	FEED ADJUSTING BASE SUPPORT	1
68	#02	23-0527	FEED ADJUSTING BASE SUPPORT	1

FOR 1510N/1510N-7:

No.2.....25-0502 FEED BASE

No.3.....25-0503 FEED BASE FORK

No.8.....25-0542 FEED DOG

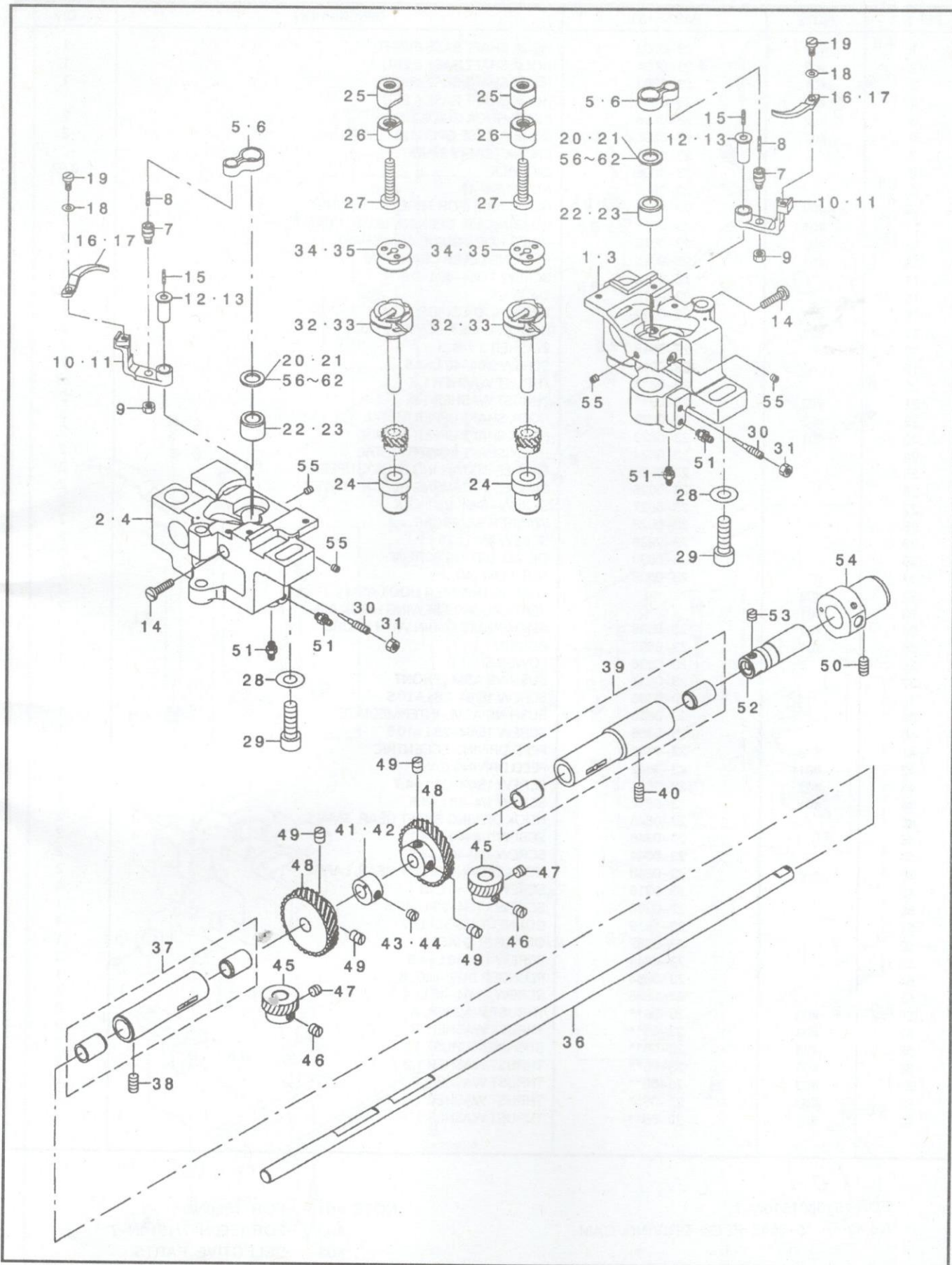
No.57.....25-0557 SCREW

NOTE #01.....FOR 1560N/1510N

#02.....FOR 1560N-7/1510N-7

#03.....EXCHANGING GAUGE PARTS

6. HOOK SHAFT & LOWER SHAFT COMPONENTS



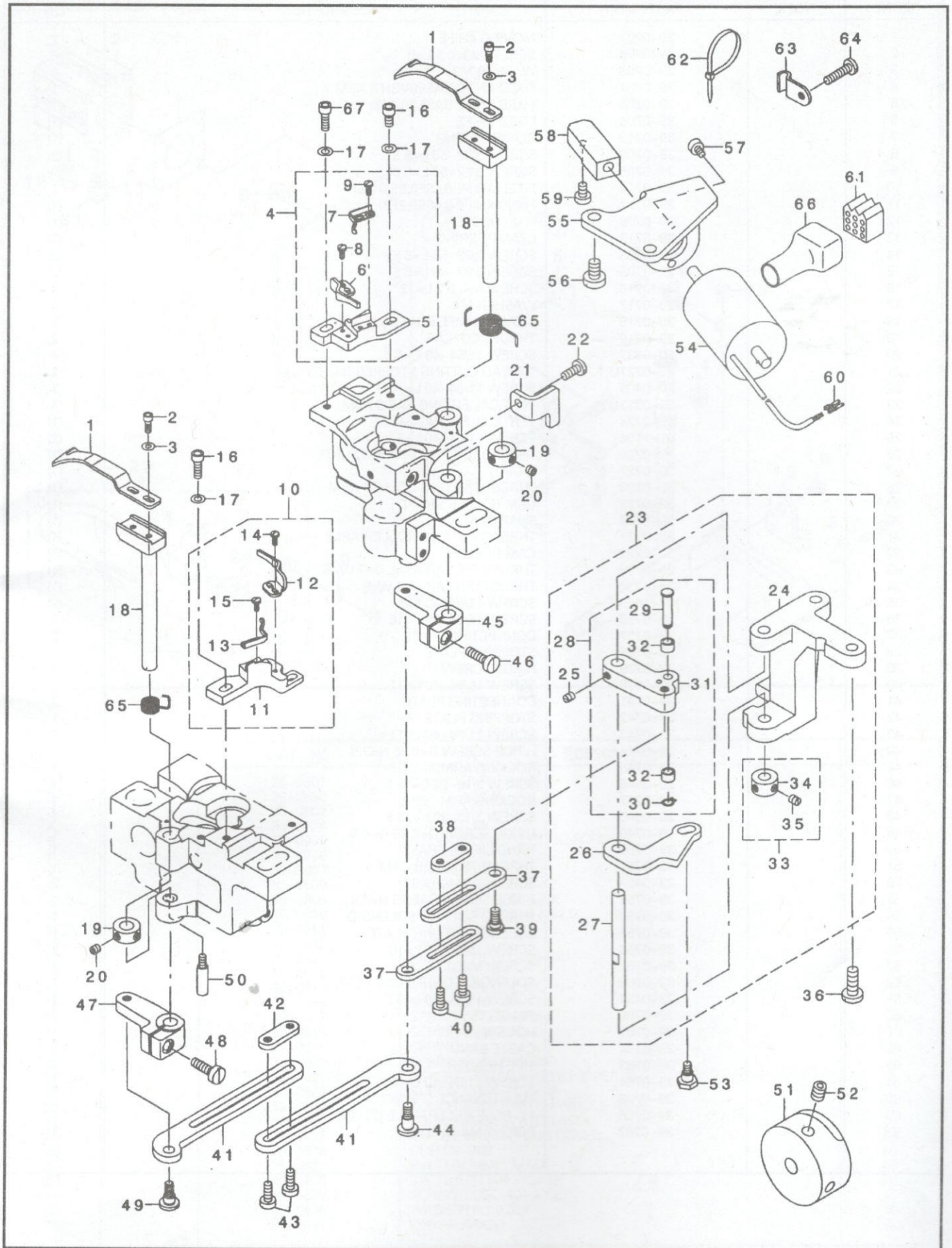
6. HOOK SHAFT & LOWER SHAFT COMPONENTS

REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1	#02	23-0603	HOOK SHAFT BASE (RIGHT)	1
2	#02	23-0604	HOOK SHAFT BASE (LEFT)	1
3	#01	23-0603	HOOK SHAFT BASE (RIGHT)	1
4	#01	23-0604	HOOK SHAFT BASE (LEFT)	1
5	#02	23-0606	INNER HOOK GUIDE LINK	2
6	#01	23-0606	BOBBIN CASE OPENING LEVER LINK	2
7		23-0607	CRANK SCREW STUD	2
8		23-0608	OIL WICK	0.02
9		23-0609	NUT 11/64-40	2
10	#02	23-0611	GUIDE ARM (FOR THREAD CUTTING)	2
11	#01	23-0611	BOBBIN CASE OPENING LEVER CRAN	2
12	#02	23-0613	INNER HOOK GUIDE ARM SHAFT	2
13	#01	23-0613	OPENING LEVER CRANK PIN	2
14		23-0614	SCREW 11/64-40 L=18	2
15		23-0615	OIL WICK	0.02
16	#02	23-0617	INNER HOOK GUIDE	2
17	#01	23-0617	BOBBIN CASE OPENING LEVER	2
18		23-0618	WASHER 3.7□8□	2
19		23-0619	SCREW 9/64-40 L=7.5	2
20		23-06**	THRUST WASHER 1.3	22
21	#03	23-06**	THRUST WASHER 1.8	2
22	#02	23-0623	HOOK SHAFT UPPER METAL	2
23	#01	23-0623	HOOK SHAFT UPPER METAL	2
24		23-0624	HOOK SHAFT LOWER METAL	2
25		23-0625	SADDLE INSTALLING BLOCK, UPPER	2
26		23-0626	SADDLE INSTALLING BLOCK, LOWER	2
27		23-0627	SCREW 15/64-28 L=30	2
28		23-0628	WASHER 8.5□18□1.6	2
29		23-0629	SCREW M8 L=25	2
30		23-0630	OIL ADJUSTING SCREW	2
31		23-0609	NUT 11/64-40	2
32	#02		THREAD TRIMMER HOOK ASM.	2
33	#01		VERTICAL-AXIS SEWING HOOK ASM.	2
34	#02	23-0635	ALUMINUM BOBBIN WITH KNURL	2
35	#01	23-0635	BOBBIN	2
36		23-0636	LOWER SHAFT	1
37		23-0637	BUSHING ASM., FRONT	1
38		23-0305	SCREW 15/64-28 L=10.5	1
39		23-0640	BUSHING ASM., INTERMEDIATE	1
40		23-0305	SCREW 15/64-28 L=10.5	1
41	#02	23-0642	FEED DRIVING ECCENTRIC	1
42	#01	23-0642	FEED DRIVING CAM	1
43	#02	23-0644	SCREW 15/64-28 L=4.7	1
44	#01	23-0644	SCREW 1/4-40 L=4.5	1
45		23-0645	HOOK DRIVING SHAFT GEAR, SMALL	2
46		23-0646	SCREW 1/4-40 L=6.1	2
47		23-0644	SCREW 1/4-40 L=4.5	2
48		23-0648	HOOK DRIVING SHAFT GEAR, LARGE	2
49		23-0216	SCREW 1/4-40 L=8	4
50		23-0305	SCREW 15/64-28 L=10.5	1
51		23-1539	CONNECTING SCREW	4
52		23-0652	OIL PUMP SHAFT	1
53		23-0644	SCREW 1/4-40 L=4.5	3
54		23-0654	PLUNGER BUSHING, B	1
55		23-0655	SCREW 11/64-40 L=4	4
56	#03	23-06**	THRUST WASHER, A	2
57	#03	23-06**	THRUST WASHER, B	2
58	#03	23-06**	BUSHING THRUST 1.1	2
59	#03	23-06**	THRUST WASHER 1.2	2
60	#03	23-06**	THRUST WASHER, F	2
61	#03	23-06**	THRUST WASHER 1.6	2
62	#03	23-06**	THRUST WASHER 1.7	2

FOR 1510N/1510N-7:
No.42.....25-0642 FEED DRIVING CAM

NOTE #01.....FOR 1560N/1510N
#02.....FOR 1560N-7/1510N-7
#03.....SELECTIVE PARTS

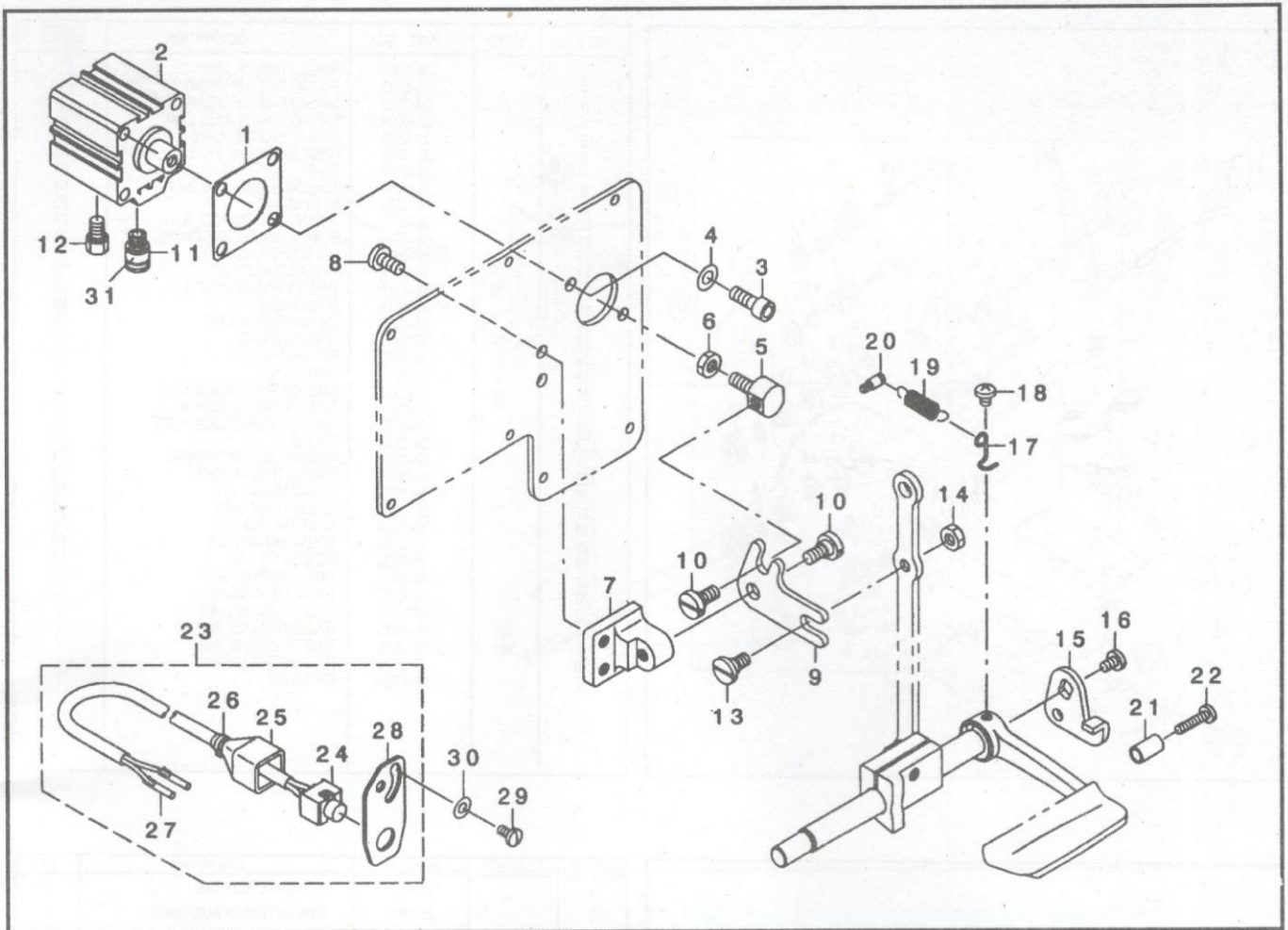
7. THREAD CUTTING COMPONENTS (FOR 1560N-7)



7. THREAD CUTTING COMPONENTS (FOR 1560N-7)

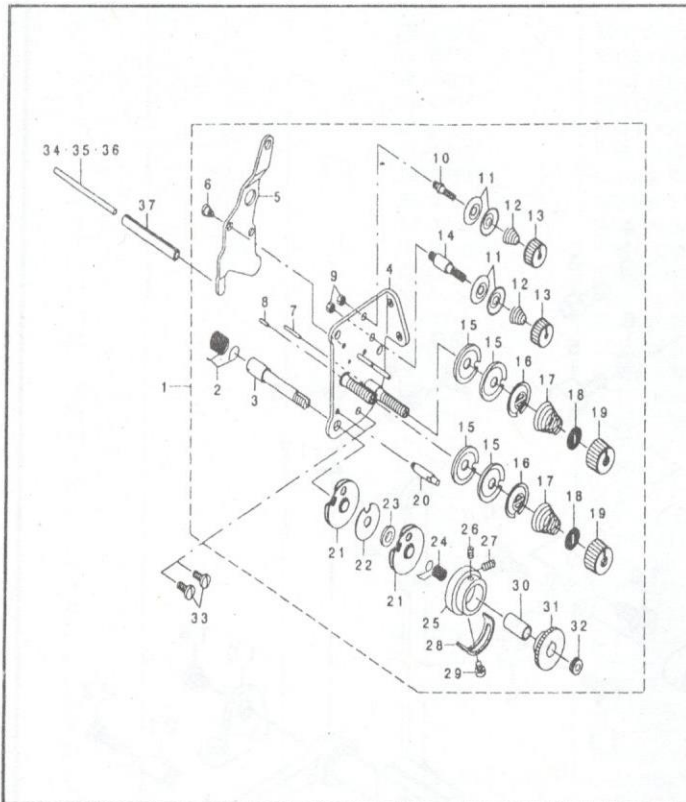
REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		39-0701	MOVING KNIFE	2
2		39-0702	SCREW M3 $\times$ 0.5 L=8	4
3		39-0703	WASHER M3	4
4		39-0704	FIXED KNIFE BASE(RIGHT) ASM.	1
5		39-0705	FIXED KNIFE BASE(RIGHT)	(1)
6		39-0706	FIXED KNIFE	(1)
7		39-0713	CLAMP SPRING	(1)
8		39-0708	SCREW 3/32-56 L=5.5	(2)
9		39-0708	SCREW 3/32-56 L=5.5	(2)
10		39-0710	FIXED KNIFE BASE(LEFT) ASM.	1
11		39-0711	FIXED KNIFE BASE(LEFT)	(1)
12		39-0706	FIXED KNIFE	(1)
13		39-0713	CLAMP SPRING	(1)
14		39-0708	SCREW 3/32-56 L=5.5	(2)
15		39-0708	SCREW 3/32-56 L=5.5	(2)
16		39-0716	SCREW M4 $\times$ 0.7 L=12	3
17		39-0717	WASHER M4	4
18		39-0718	MOVING KNIFE SHAFT	2
19		39-0719	THRUST COLLAR	2
20		20-0337	SCREW 11/64-40 L=4	4
21		39-0721	THREAD CUTTING STOPPER(RIGHT)	1
22		20-0408	SCREW 11/64-40 L=10.5	1
23		39-0723	VERTICAL FITTING BASIS ASM.	1
24		39-0724	VERTICAL FITTING BASIS	(1)
25		01-1104	SCREW 11/64-40 L=5	(2)
26		39-0726	THREAD CUTTING DRIVING PLATE	(1)
27		39-0727	SHAFT	(1)
28		39-0728	THREAD CUTTING ROLLER ARM	(1)
29		39-0729	CAM ROLLER SHAFT	(1)
30		39-0730	SNAP RING	(1)
31		39-0731	THREAD CUTTING ROLLER ARM	(1)
32		39-0732	CAM ROLLER	(2)
33		39-0733	THRUST COLLAR ASM. D=7 W=8	(1)
34		39-0734	THRUST COLLAR D=7 W=8	(1)
35		01-1449	SCREW 11/64-40 L=5	(2)
36		39-0736	SCREW 15/64-28 L=16	2
37		39-0737	CONNECTING PLATE	2
38		39-0738	STOPPING PLATE	1
39		39-0739	HINGE SCREW	1
40		23-0170	SCREW 11/64-40 L=11	2
41		39-0741	CONNECTING PLATE	2
42		39-0742	STOPPING PLATE	1
43		39-0743	SCREW 11/64-40 L=11	2
44		39-0744	HINGE SCREW D=6.35 H=7.5	1
45		39-0745	ROCKING ARM(RIGHT)	1
46		20-0546	SCREW 3/16-28 L=15.5	1
47		39-0747	ROCKING ARM(LEFT)	1
48		20-0546	SCREW 3/16-28 L=15.5	1
49		39-0749	HINGE SCREW D=6.35 H=4.5	1
50		39-0750	HAND LIFTER SHAFT	1
51		39-0751	THREAD TRIMMER CAM	1
52		23-0403	SCREW 1/4-40 L=6	2
53		39-0753	HINGE SCREW D=6.35 H=4.8	1
54		39-0754	THREAD CUTTING SOLENOID	1
55		39-0755	SOLENOID FITTING PLATE	1
56		39-0756	SCREW 15/64-28 L=10	2
57		39-0757	SCREW M4 $\times$ 0.7 L=8	2
58		39-0758	SOLENOID CONNECTING PLATE	1
59		23-0453	SCREW 11/64-40 L=6.5	2
60		39-0760	PIN CONTACT	2
61		39-0761	HOUSING 14P	1
62		23-0174	CABLE BAND	1
63		39-0763	PIPE HOLDER	1
64		39-0764	SCREW 11/64-40 L=18	1
65		39-0765	MAINTENANCE SPRING	2
66		39-0766	12-POLE RECEPTACLE COVER	1
67		39-0767	SCREW M4 $\times$ 0.7 L=8	1

8. AUTOMATIC BACK COMPONENTS (FOR 1560N-7)

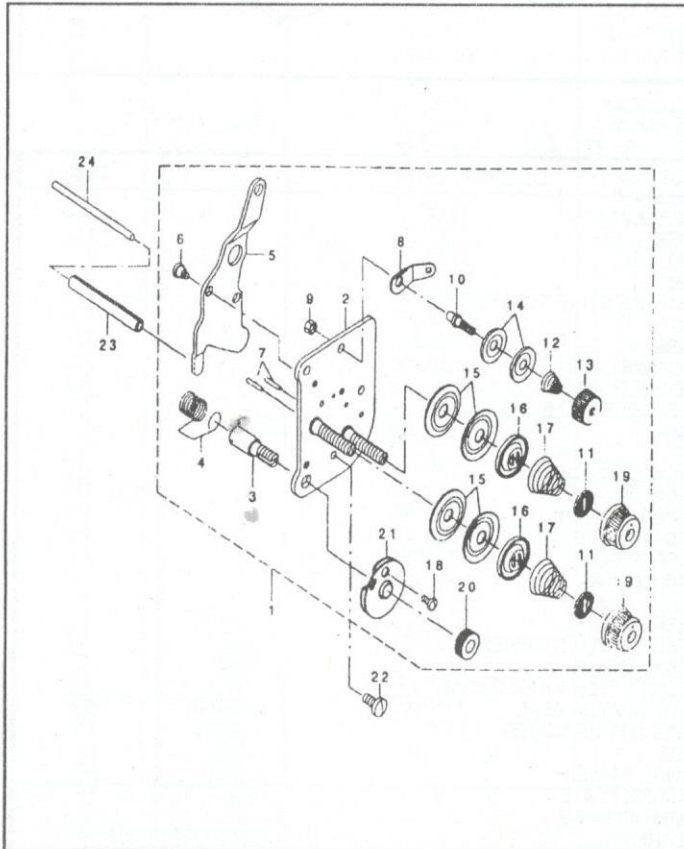


REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		39-0801	CYLINDER PACKING	1
2		39-0802	JIG CYLINDER	1
3		39-0803	SCREW M6 L=16	2
4		39-0804	WASHER M6	2
5		39-0805	CYLINDER CONNECTING SCREW	1
6		39-0806	NUT M6	1
7		39-0807	FITTING BASE	1
8		39-0808	SCREW 15/64-28 L=12	2
9		39-0809	BACKWARD FEED LINK	1
10		39-0810	HINGE SCREW D=8 H=3.5	2
11		39-0811	HALF UNION	1
12		39-0812	MUFFLER	1
13		39-0813	HINGE SCREW D=8 H=4	1
14		39-0814	NUT 15/64-28	1
15		39-0815	REVERSE FEED LINK, (1)	1
16		39-0816	SCREW 3/16-28 L=7.0	1
17		39-0817	SPRING SUSPENSION	1
18		39-0818	SCREW 3/16-28 L=6	1
19		39-0819	SPRING	1
20		39-0820	SPRING SUSPENSION	1
21		39-0821	REVERSE FEED LEVER STOPPER	1
22		39-0822	SCREW 11/64-40 L=18	1
23		39-0823	TOUCH BUCK SWITCH WHOLE ASM.	1
24		39-0824	TOUCH BUCK SWITCH ASM.	(1)
25		39-0825	4-POLE NYLON PLUG COVER	(1)
26		39-0826	CLIP CV-70S	(1)
27		39-0827	PIN TERMINAL, MALE	(2)
28		39-0828	SWITCH FITTING PLATE	(1)
29		39-0829	SCREW 11/64-40 L=7.8	2
30		39-0830	WASHER 5□10.5□	2
31		39-0811	WIRE MARK(1)	1

9. THREAD TENSION COMPONENTS



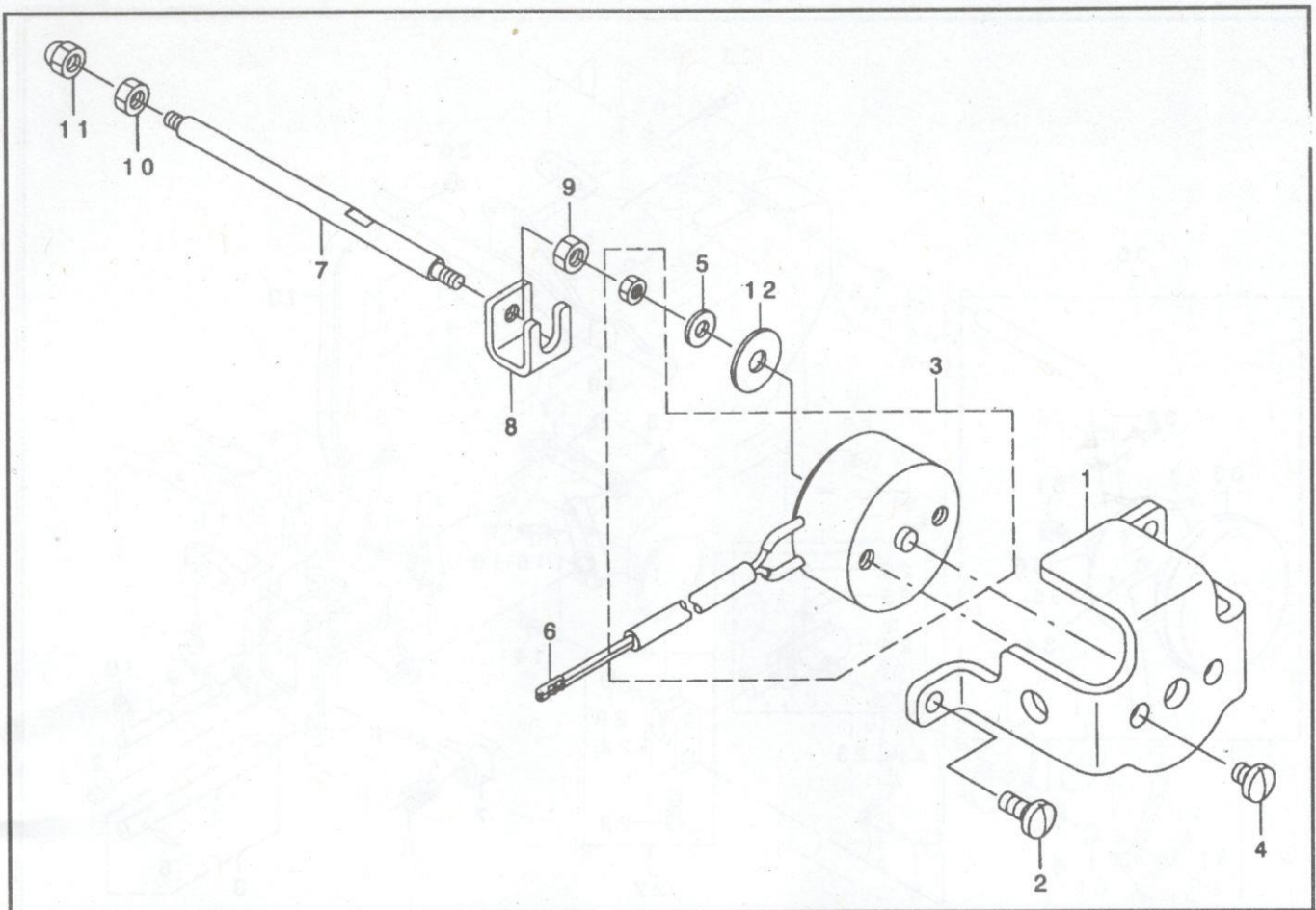
REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		39-0901	THREAD TENSION ASM.	1
2		39-0902	THREAD TAKE-UP SPRING, A	(1)
3		39-0903	THREAD TAKE-UP SPRING STUD	(1)
4		39-0904	THREAD TENSION BASE COMPL.	(1)
5		39-0905	THREAD RELEASE PLATE	(1)
6		39-0906	HINGE SCREW D=4.7 H=2.8	(2)
7		39-0907	PIN B	(1)
8		39-0908	TENSION RELEASE PIN, SHORT	(1)
9		39-0909	NUT 11/64-40	(2)
10		39-0910	THREAD TENSION POST, A	(1)
11		39-0911	BOBBIN WINDER TENSION DISC	(4)
12		39-0912	TENSION SPRING NO. 1	(2)
13		39-0913	THREAD TENSION NUT	(2)
14		39-0914	THREAD TENSION POST, B	(1)
15		39-0915	TENSION DISC	(4)
16		39-0916	TENSION DISC HOLDER	(2)
17		39-0917	TENSION SPRING	(2)
18		39-0918	ROTATING STOPPER	(2)
19		39-0919	TENSION NUT	(2)
20		39-0920	TAKE-UP SPRING GUIDE STUD	(1)
21		39-0921	TAKE-UP SPRING GUIDE ASM.	(2)
22		39-0922	TAKE-UP SPRING GUIDE PLATE	(1)
23		39-0923	COLLAR	(1)
24		39-0924	THREAD TAKE-UP SPRING B	(1)
25		39-0925	THREAD TENSION POST	(1)
26		39-0926	SCREW 1/8-44 L=3.5	(1)
27		39-0927	SCREW 1/8-44 L=5.5	(1)
28		39-0928	ADJUSTING PLATE B	(1)
29		39-0133	SCREW 9/64-40 L=4.5	(1)
30		39-0930	PRESSER COLLAR	(1)
31		39-0931	TAKE-UP SPRING GUIDE	(1)
32		39-0932	THREAD TENSION NUT	(1)
33		39-0315	SCREW 11/64-40 L=8.5	2
34	#01	39-0935	TENSION RELEASE BAR	1
35	#01	39-0935	TENSION RELEASE BAR	1
36		39-0935	TENSION RELEASE BAR	1
37		39-0937	SPRING PIN	1



REF. NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		23-0701	THREAD TENSION ASM.	1
2		25-0704	THREAD TENSION BASE COMPL.	1
3		25-0703	THREAD TAKE-UP SPRING STUD	1
4		25-0702	THREAD TAKE-UP SPRING, A	1
5		23-0905	THREAD RELEASE PLATE	1
6		23-0906	HINGE SCREW D=4.7 H=2.8	2
7		25-0707	PIN B	2
8		25-0721	THREAD GUIDE	1
9		23-0909	NUT 11/64-40	1
10		23-0910	THREAD TENSION POST, A	1
11		23-0911	ROTATING STOPPER	2
12		23-0912	TENSION SPRING NO.1	1
13		23-0913	THREAD TENSION NUT	1
14		25-0718	FIRST THREAD TENSION PLATE	1
15		23-0915	TENSION DISC	2
16		23-0916	TENSION DISC HOLDER	1
17		23-0917	TENSION SPRING	1
18		23-0918	SCREW 1/8-44 L=6.4	1
19		23-0919	TENSION NUT	1
20		23-0932	THREAD TENSION NUT	1
21		25-0705	TAKE-UP SPRING GUIDE ASM.	1
22		23-0315	SCREW 11/64-40 L=8.5	2
23		23-0937	SPRING PIN	1
24		23-0935	TENSION RELEASE BAR	1

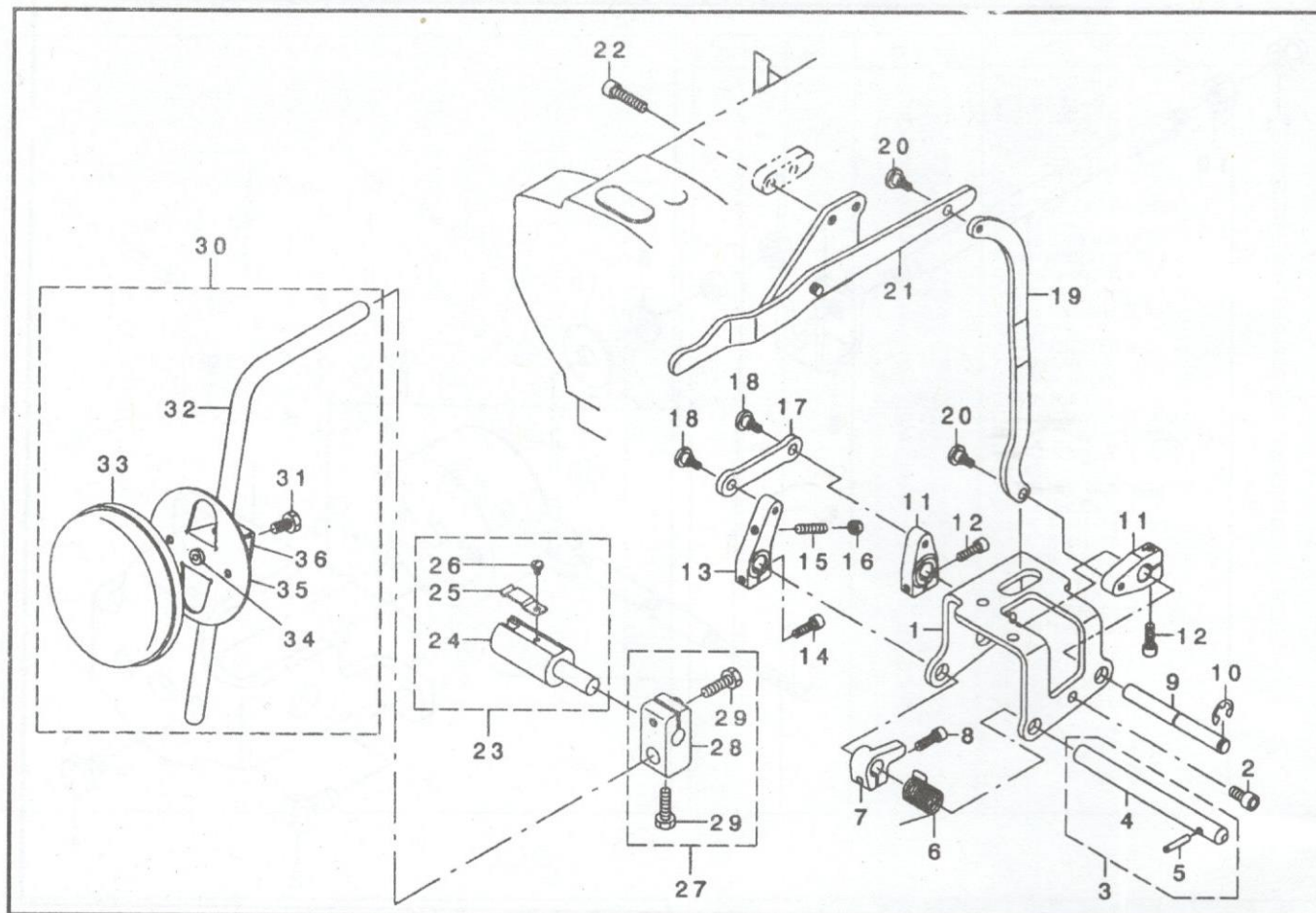
NOTE #01.....SELECTIVE PARTS

10. THREAD RELEASE COMPONENTS (FOR 1560N-7)



REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		39-1001	SOLENOID INSTALLING PLATE	1
2		3-0303	SCREW 11/64-40 L=8.5	2
3		39-1003	TENSION RELEASE SOLENOID	1
4		39-1004	SCREW 11/64-40 L=4.8	2
5		39-1005	WASHER 3.7x8	1
6		39-1006	PIN TERMINAL, MALE	2
7		39-1007	TENSION RELEASE BAR	1
8		39-1008	COUPLING	1
9		39-1009	NUT M4x0.7	1
10		39-1010	NUT M4x0.7	1
11		39-1011	NUT M4	1
12		39-1012	WASHER 5x13	1

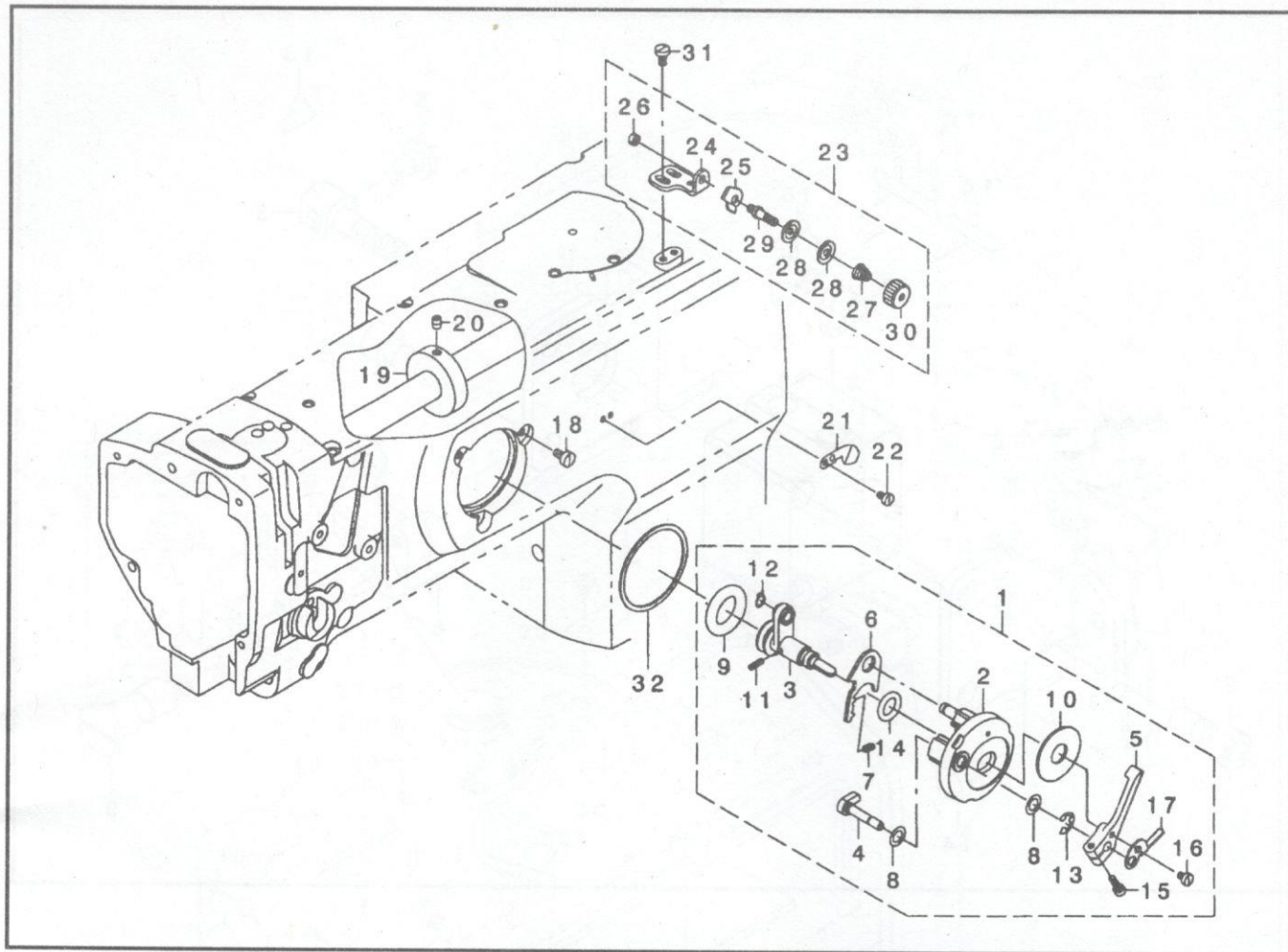
11. KNEE LIFTING COMPONENTS



REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		23-1101	KNEE LIFTER SHAFT BASIS	1
2		23-1102	SCREW M6 L=12	3
3	#01	23-1103	KNEE LIFTER SHAFT A ASM.	1
4		23-1104	KNEE LIFTER SHAFT A	(1)
5		23-1105	KNEE LIFTER SHAFT PIN	(1)
6	#01	23-1106	KNEE LIFTER SHAFT A SPRING	1
7	#01	23-1107	KNEE LIFTER SPRING RACK	1
8	#01	23-1108	SCREW M5 $\square$ 0.8 L=16	1
9	#01	23-1109	KNEE LIFTER SHAFT B	1
10	#01	23-1110	E-SHAPED SNAP RING (8MM)	1
11	#01	23-1111	KNEE LIFTER LEVER B	2
12	#01	23-1108	SCREW M5 $\square$ 0.8 L=16	2
13	#01	23-1113	KNEE LIFTER LEVER A	1
14	#01	23-1108	SCREW M5 $\square$ 0.8 L=16	1
15	#01	23-1115	SCREW M5 $\square$ 0.8 L=25	1
16	#01	23-1116	NUT M5 $\square$ 0.8	1
17	#01	23-1117	KNEE LIFTER LINK	1
18	#01	23-1120	HINGE SCREW D=7 H=4.5	2
19	#01	23-1119	KNEE LIFTER CONNECTING PLATE	1
20	#01	23-1120	HINDE SCREW D=7 H=4.5	2
21	#01	23-1121	KNEEL LIFTER LEVER	1
22	#01	23-1122	SCREW M6 L=25	2
23	#01	23-1123	KNEE LIFTER JOINT ASM.	1
24		23-1124	KNEE LIFTER JOINT	(1)
25		23-1125	PRESSER SPRING	(1)
26		23-1126	SCREW 9/64-40 L=4.6	(1)
27	#01	23-1127	BRACKET ASM.	1
28		23-1128	BRACKET	(1)
29		20-0711	SCREW	(2)
30	#01	20-0716	KNEE PRESS PLATE ASM.	1
31		20-0722	SCREW M6 L=12	(1)
32		20-0718	KNEE PRESS LEVER	(1)
33		20-0717	KNEE PAD PLATE COVER	(1)
34		20-0719	KNEE PAD PLATE RUBBER	(1)
35		20-0720	KNEE PAD PLATE	(1)
36		20-0721	KNEE PAD PLATE SUPPORT	(1)

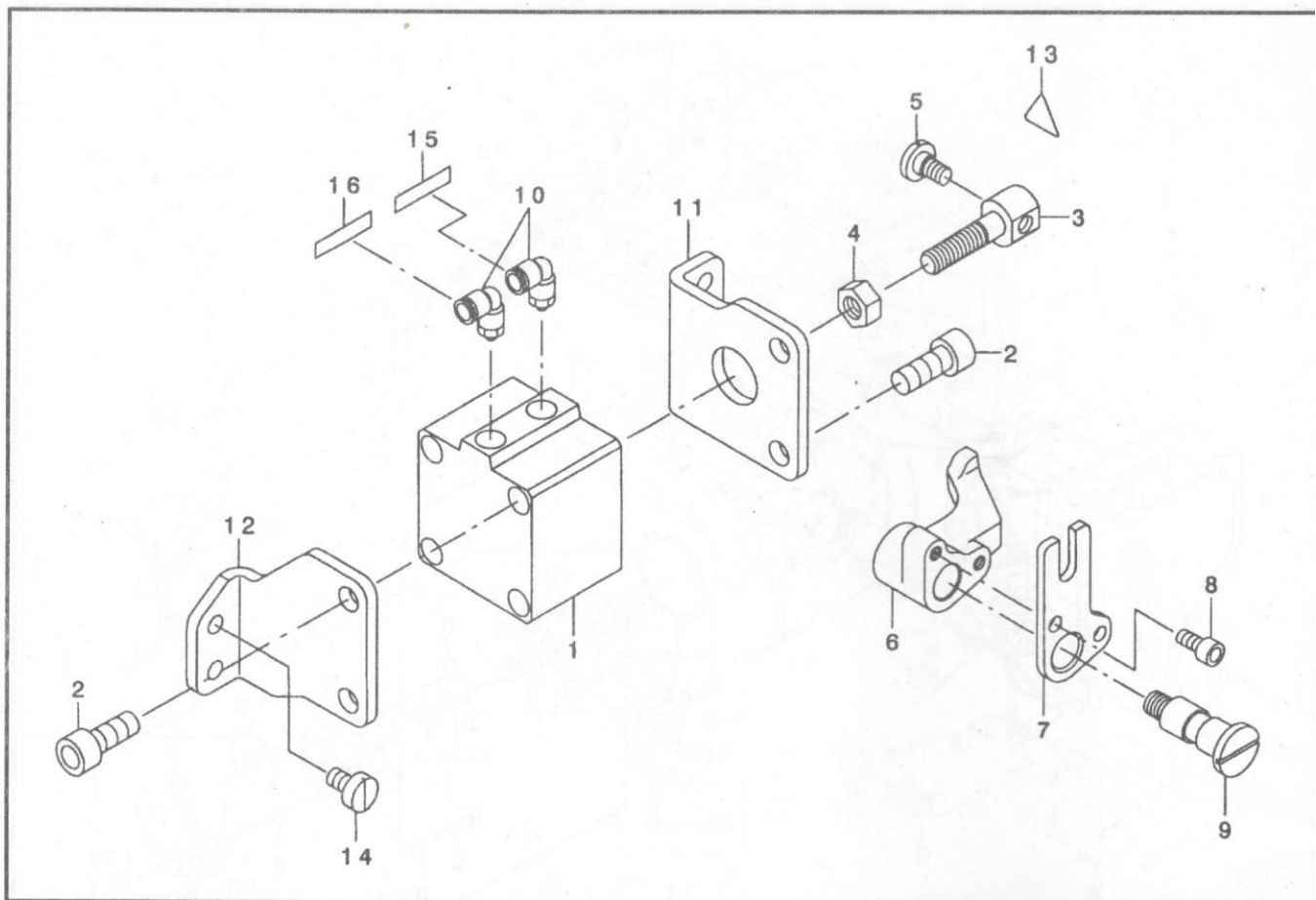
NOTE #01.....FOR 1560N/1510N

12. LOWER THREAD WINDER MECHANISM COMPONENTS



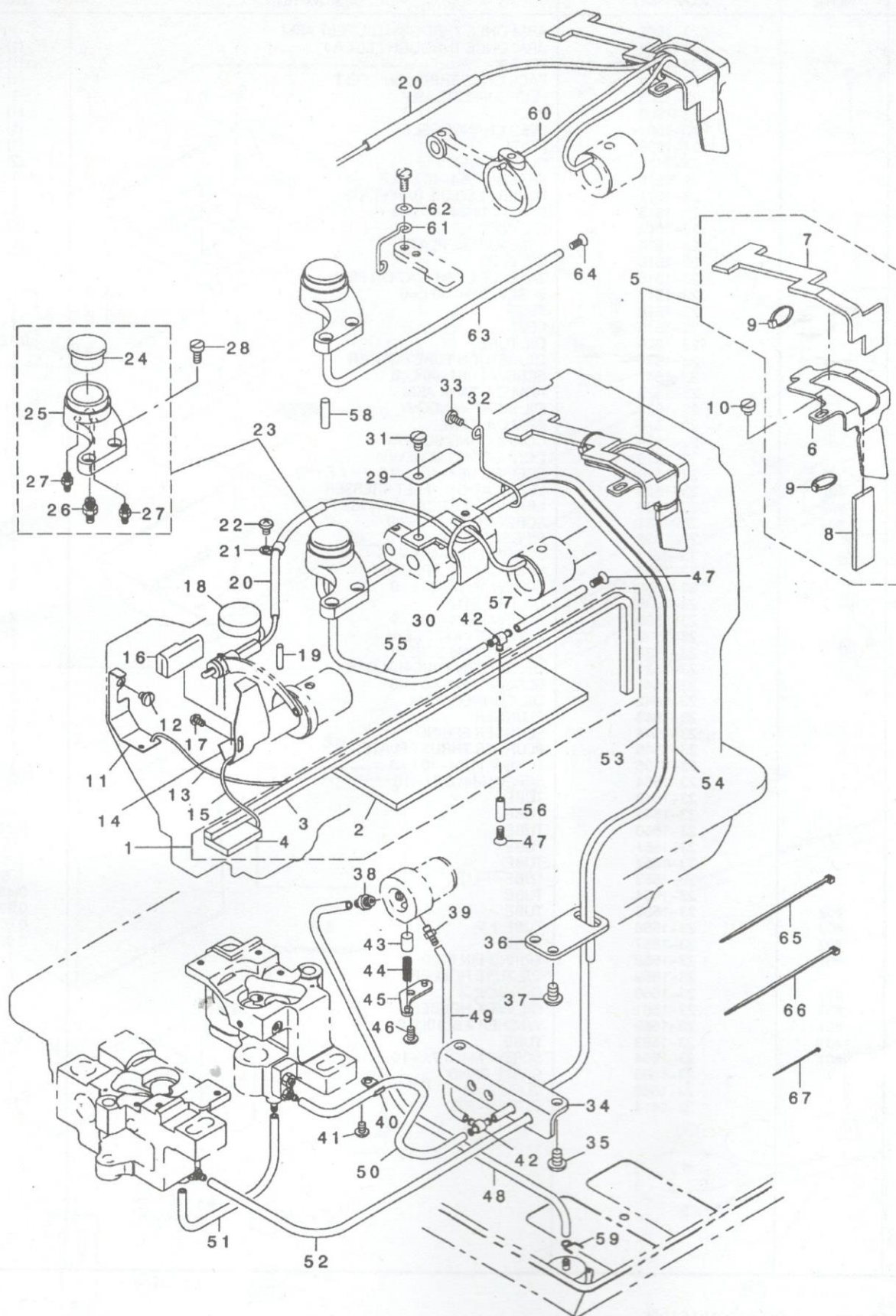
REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		23-1201	BOBBIN DEVICE ASM.	1
2		23-1202	BOBBIN FITTING BASIS COMPL.	(1)
3		23-1203	BOBIN SHAFT COMPL.	(1)
4		23-1204	BOBBIN CAM SHAFT COMPL.	(1)
5		23-1205	BOBBIN LEVER	(1)
6		23-1206	ADJUSTING PLATE	(1)
7		23-1207	PRESSUR FOOT SPRING	(1)
8		23-1208	VERTICAL ROLLER WASHER	(1)
9		23-1209	RUBBER RING	(2)
10		23-1210	CUSHION	(1)
11		23-1211	SPRING	(1)
12		23-1212	RETAINING RING	(1)
13		23-1213	E-RING	(1)
14		23-1214	RUBBER RING	(1)
15		23-1215	SCREW 9/64-40 L=13.5	(1)
16		23-1216	SCREW 9/64-40 L=5.0	(1)
17		23-1217	BOBBIN ADJUSTING PLATE	(1)
18		23-1218	SCREW 11/64-40 L=8	(1)
19		23-1219	BOBBIN FRICTION WHEEL	3
20		23-1220	SCREW M5 L=6	1
21		23-1221	THREAD CUTTER	2
22		23-1222	SCREW 9/64-40 L=6	1
23		23-1223	LOWER THREAD GUIDE ASM.	2
24		23-1224	FITTING BASE	1
25		23-1225	THREAD GUIDE	(1)
26		23-1226	NUT 11/64-40	(1)
27		23-1227	TENSION SPRING NO.1	(1)
28		23-1228	BOBBIN WINDER TENSION DISC	(2)
29		23-1229	THREAD TENSION POST	(1)
30		23-1230	THREAD TENSION NUT	(1)
31		23-1231	SCREW	2
32		23-1232	PACKING	1

13. AUTOMATIC PRESSER LIFTING MECHANISM COMPONENTS (FOR 1560N-7)



REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		39-1301	AIR CYLINDER	1
2		39-1302	SCREW M8 L=20	4
3		39-1303	CYLINDER CONNECTING SCREW	1
4		39-1304	NUT M8	1
5		39-1305	HINGE SCREW D=7.24 H=3.3	1
6		39-1306	PRESSER LIFTER LEVER A	1
7		39-1307	PRESSER LIFTER LEVER B	1
8		39-1308	SCREW M5x0.8 L=10	2
9		39-1309	SHAFT	1
10		39-1310	ELBOW	2
11		39-1311	CYLINDER STAY (FRONT)	1
12		39-1312	CYLINDER STAY (REAR)	1
13		39-1313	ATTENTION SEAL	1
14		39-1314	SCREW 15/64-28 L=10	4
15		39-1315	WIRE MARK(2)	1
16		39-1316	WIRE MARK(3)	1

14. LUBRICATION COMPONENTS



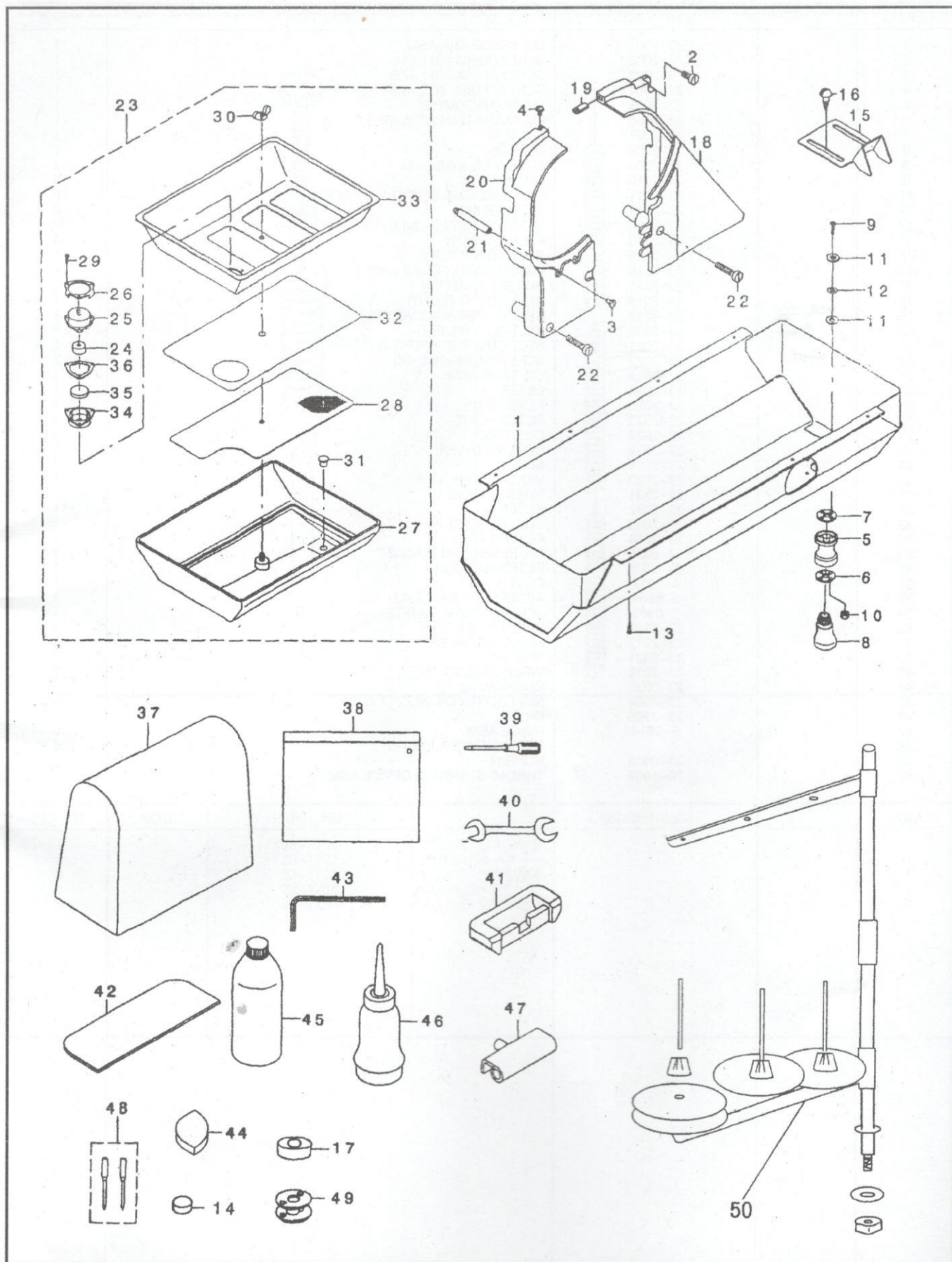
14. LUBRICATION COMPONENTS

REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		23-1501	ARM ONCE THROUGH OIL FELT ASM.	1
2		23-1502	ARM ONCE THROUGH FELT A	(1)
3		23-1503	FELT B	(1)
4		23-1504	FACE ONCE THROUGH FELT	(1)
5		23-1505	FELT SUPPORT ASM.	1
6		23-1506	FELT	(1)
7		23-1507	FEED CHANGE FELT	(1)
8		23-1508	FELT	(1)
9		23-0414	CLIP CV-70S	(2)
10		23-1510	SCREW 11/64-40 L=4.3	1
11		23-1511	UPPER FEED OIL BAR PLATE	1
12		23-1512	SCREW 11/64-40 L=5	1
13		23-1513	OIL WICK	0.2
14		23-1514	TAKE-UP OIL PLATE	1
15		23-1515	OIL WICK	0.2
16		23-1516	TAKE-UP LUBRICATION FELT	1
17		23-1517	SCREW 9/64-40 L=6	1
18		23-1518	FELT	1
19		23-1519	FELT	1
20		23-1520	OIL TUBE	0.12
21		23-1521	OIL RETURN TUBE HOLDER	1
22		23-1541	SCREW 11/64-40 L=6	1
23		23-1523	ARM OIL TANK ASM.	1
24		23-1524	OIL SIGHT WINDOW	(1)
25		23-1525	ARM OIL TANK	(1)
26		23-1538	CONNECTING SCREW	(1)
27		23-1539	CONNECTING SCREW	(2)
28		23-1528	SCREW 11/64-40 L=9.5	2
29	#02	23-1529	LUBRICATION FELT PRESSER	1
30	#02	23-1530	MUTUAL VERTICAL CHANGE FELT	1
31	#02	23-1531	SCREW 3/16-28 L=7.0	1
32		23-1532	PIPE SUPPORT	1
33		23-0317	SCREW 11/64-40 L=7.5	1
34		23-1534	LUBRICATION BRACKET	1
35		23-1535	SCREW 15/64-28 L=9	2
36		23-1536	OIL PIPE STAY	1
37		23-1535	SCREW 15/64-28 L=9	2
38		23-1538	CONNECTING SCREW	1
39		23-1539	CONNECTING SCREW	1
40		23-1521	OIL RETURN TUBE HOLDER	1
41		23-1541	SCREW 11/64-40 L=6	1
42		23-1542	OIL CONNec. ARM	2
43		23-1543	PLUNGER	1
44		23-1544	PLUNGER SPRING	1
45		23-1545	PLUNGER THRUST PLATE	1
46		23-0105	SCREW 11/64-40 L=8	1
47		23-1564	SCREW M4x0.7 L=10	2
48		23-1548	TUBE	0.36
49		23-1549	TUBE	0.08
50		23-1550	TUBE	0.22
51		23-1551	TUBE	0.1
52		23-1552	TUBE	0.5
53		23-1553	TUBE	0.6
54		23-1554	TUBE	0.46
55	#02	23-1555	TUBE	0.13
56	#02	23-1556	TUBE	0.02
57	#02	23-1557	TUBE	0.06
58	#01	23-1558	SPRING PIN 5x20	1
59		23-1559	OIL TUBE HOLDER	1
60	#01	23-1560	OIL WICK	0.2
61	#01	23-1561	OIL WICK HOLDER	1
62	#01	23-1562	WASHER 4.5x10x0.8	1
63	#01	23-1563	TUBE	0.2
64	#01	23-1564	SCREW M4x0.7 L=10	1
65		23-1565	CABLE BAND	1
66		23-1566	CLIP BAND	1
67		23-0414	CLIP CV-70S	18

NOTE #01.....FOR 1560N/1510N

#02.....FOR 1560N-7/1510N-7

15. ACCESSORIES

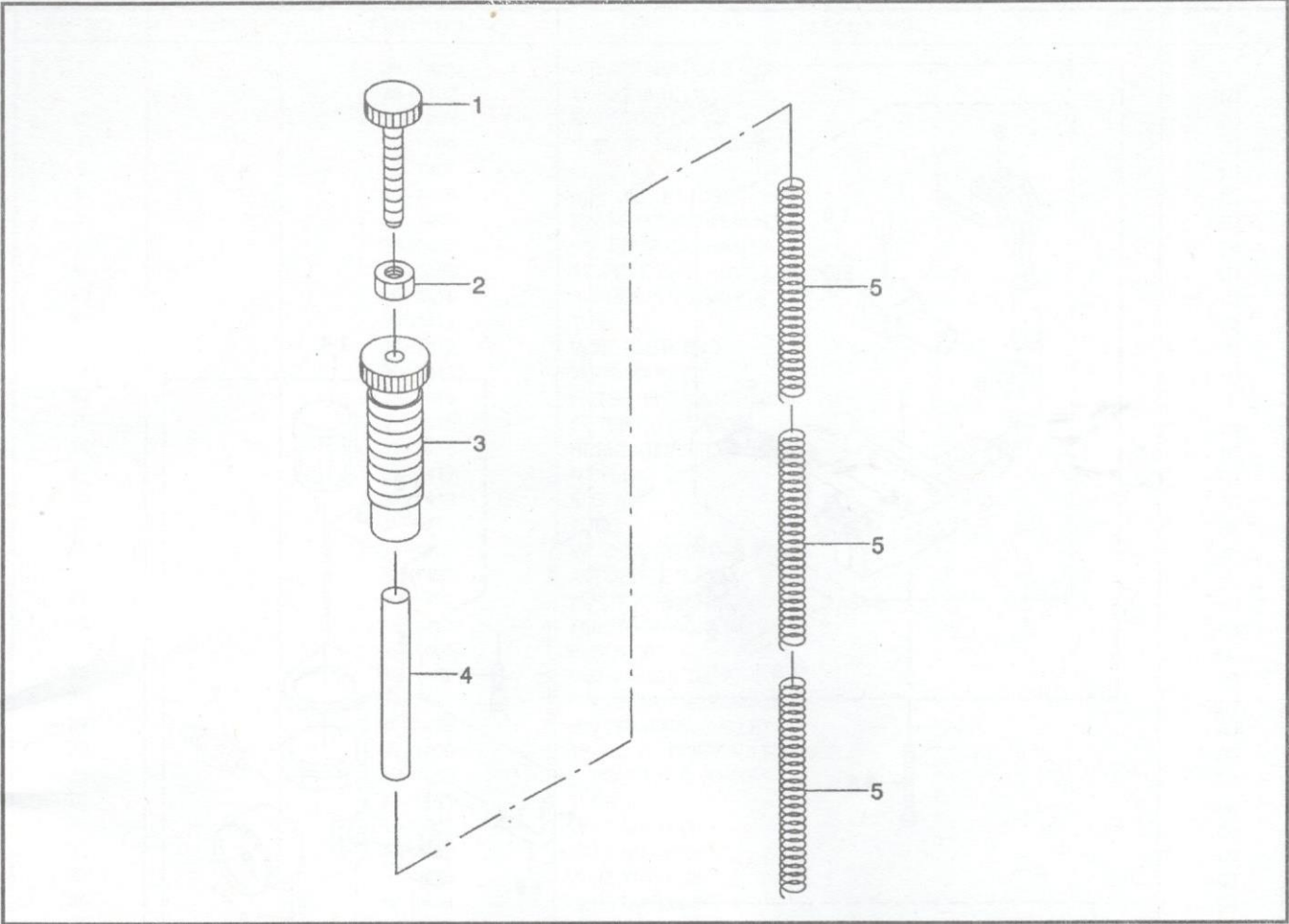


15. ACCESSORIES

REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		23-2001	OIL RESERVOIR ASM	1
2		23-2002	SCREW 15/64-28 L=14	1
3		23-2003	SCREW 11/64-40 L=7.8	1
4		23-2004	SCREW 11/64-40 L=6.5	1
5		23-2005	OIL MANAGEMENT	1
6		23-2006	OIL MANAGEMENT WASHER	1
7		23-2007	OIL SEAL	1
8		23-2008	OIL CAN	1
9		23-2009	SCREW M3 x 0.5 L=14	4
10		23-2010	NUT M3	4
11		23-2011	OIL REMOVING SETSCREW PACKING	8
12		23-2012	WASHER M3	4
13		23-2013	WOOD SCREW D=2.4 L=16	10
14		23-2310	FELT CUSHION	4
15		23-2015	BELT COVER C(JE)	1
16		23-2016	WOOD SCREW D=4.8 L=25	2
17		23-2311	RUBBER CUSHION	4
18		23-2018	BELT COVER (RIGHT)	1
19		23-2019	BELT COVER AUXILIARY PLATE	1
20		23-2020	BELT COVER (LEFT)	1
21		23-2021	BELT COVER SUPPORT A	1
22		23-2022	SCREW 15/64-28 L=30	2
23		23-2023	OIL TANK ASM	1
24		23-2024	FILTER	1
25		23-2025	FILTER CAP	1
26		23-2026	FILTER PLATE	1
27		23-2027	OIL TANK	1
28		23-2028	COVER (LOWER)	1
29		23-2029	SCREW	3
30		23-2030	WING NUT M5 x 0.8	1
31		23-2031	RUBBER PLUG	1
32		23-2032	FILTER	1
33		23-2033	COVER (REAR)	1
34		23-2034	FILTER CASE	1
35		23-2035	OIL RESERVOIR MAGNET	1
36		23-2036	FILTER PACKING	1
37		5-0912	COVER	1
38		5-0901	ACCESSORY BAG ASM	1
39		5-0903	SCREW DRIVER, LARGE	1
40		23-2303	WRENCH (9 x 10)	1
41		23-2312	RUBBER SPACER	2
42		23-2321	SPACER	2
43		23-2318	WRENCH (3/32)	1
44		23-2320	CUSHION (A)	4
45		23-2304	NEW DEFRIX OIL NO.2 (700CC)	1
46		23-2305	OILER	1
47		5-0914	HINGE ASM	2
48			NEEDLE SY3355 #160-2	4
49		23-0635	BOBBIN	4
50		10-1009	THREAD STANDING DEVICE ASM	1

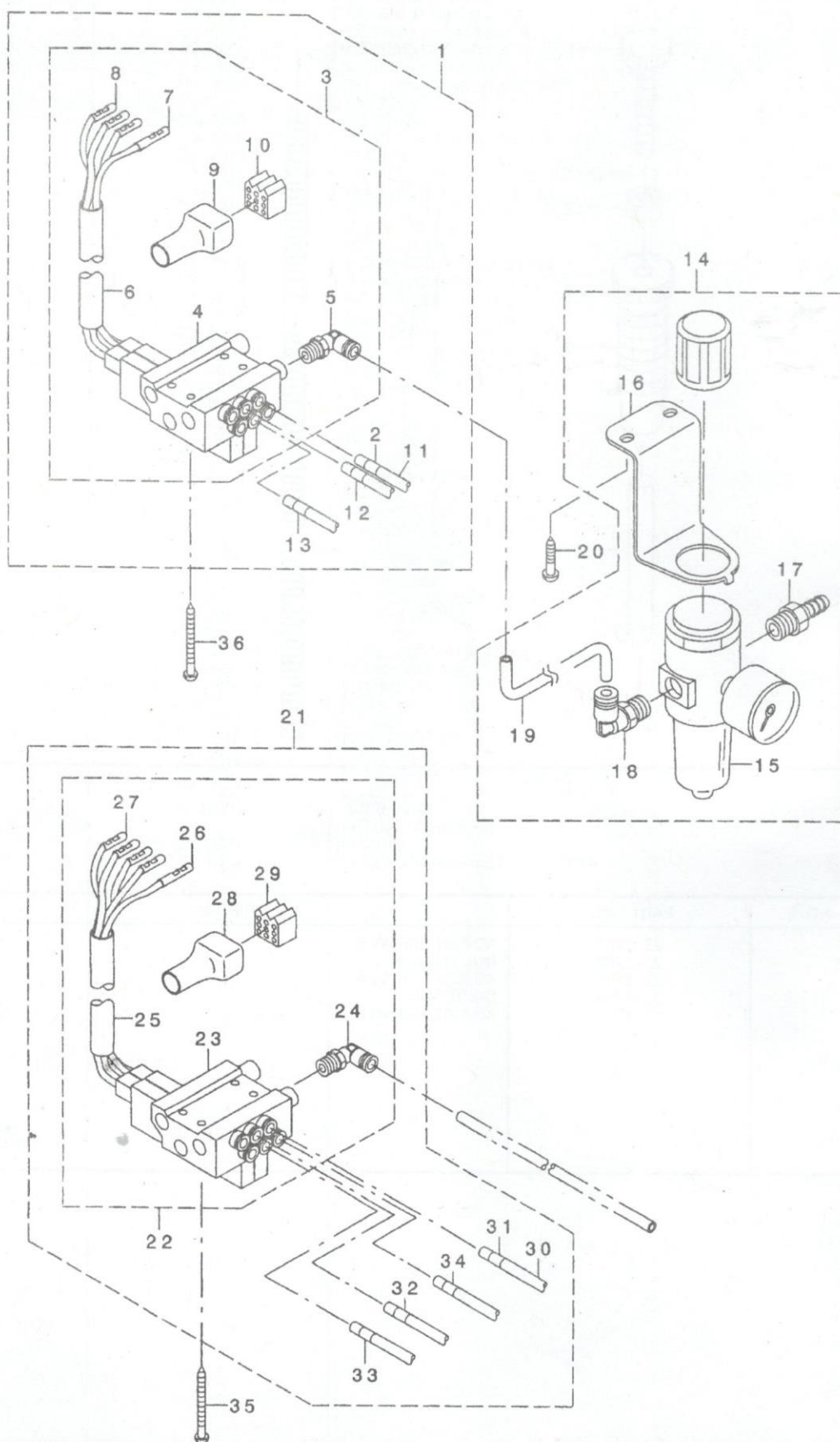
FOR 1510N/1510N-7: No.50.....20-0901 THREAD STANDING DEVICE ASM.

16. OPTIONAL PARTS (ADDITIONAL SPRING FOR PRESSER BAR) COMPONENTS



REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		23-1701	ADJUST SCREW B	1
2		23-1702	NUT 11/64-40	1
3		23-1703	ADJUST SCREW A	1
4		23-1704	GUIDE SHAFT	1
5		23-1705	ADJUST SPRING B	3

17. AIR MECHANISM COMPONENTS (FOR 1560N-7)

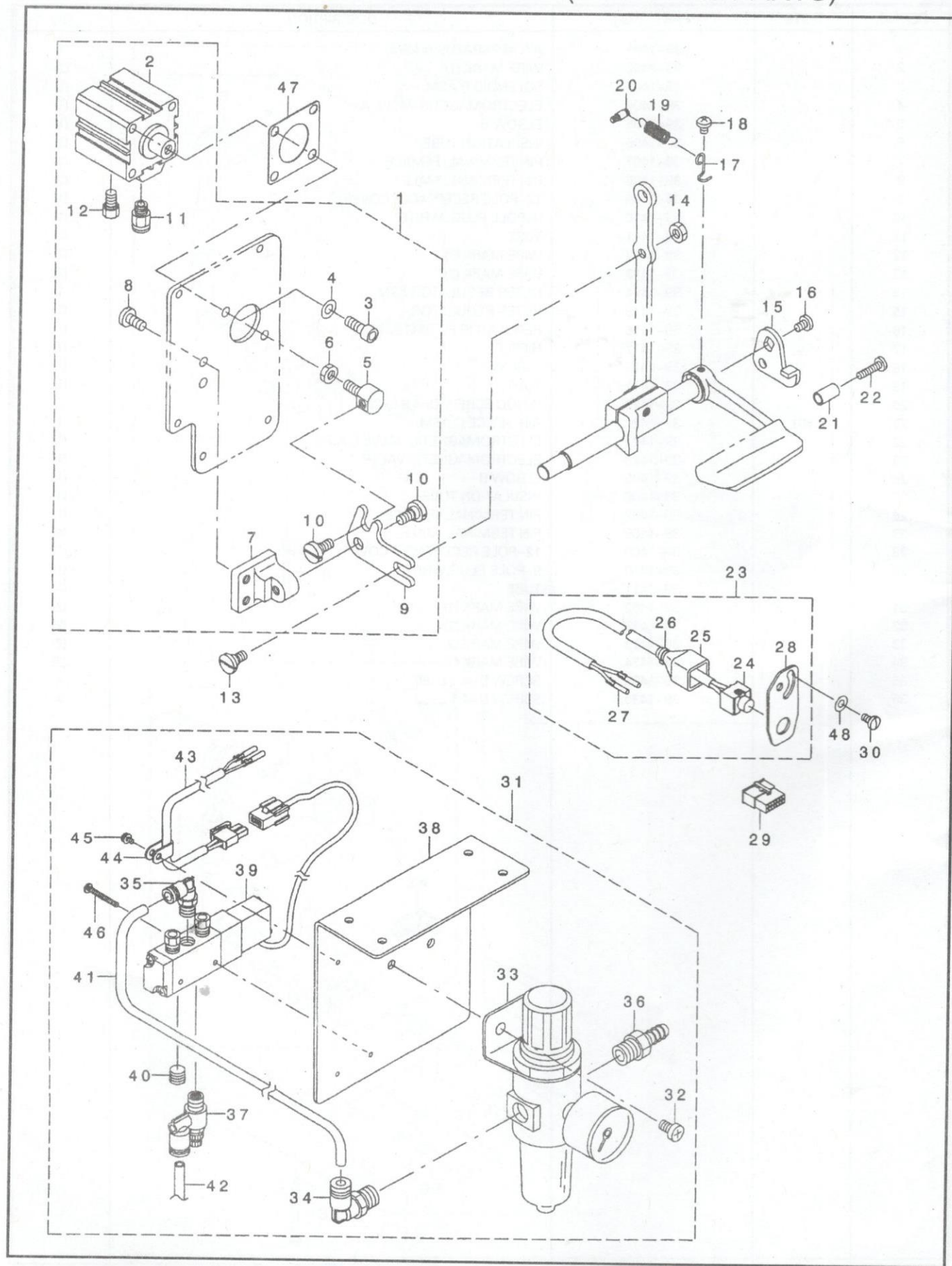


17. AIR MECHANISM COMPONENTS (FOR 1560N-7)

REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		39-1401	AIR APPARATUS B ASM.	1
2		39-1402	WIRE MARK (1)	(2)
3		39-1403	SOLENOID B ASM.	(1)
4		39-1404	ELECTROMAGNETIC VALVE A	(1)
5		39-1405	ELBOW B	(1)
6		39-1406	INSULATION TUBE	(1)
7		39-1407	PIN TERMINAL, FEMALE	(1)
8		39-1408	PIN TERMINAL, MALE	(3)
9		39-1409	12-POLE RECEPTACLE COVER	(1)
10		39-1410	9-POLE PLUG, WHITE	(1)
11		39-1411	TUBE	(3)
12		39-1412	WIRE MARK (2)	(2)
13		39-1413	WIRE MARK (3)	(2)
14		39-1414	FILTER REGULATOR ASM.	1
15		39-1415	FILTER REGULATOR	(1)
16		39-1416	REGULATOR FITTING PLATE	(1)
17		39-1417	NIPPLE	(1)
18		39-1418	ELBOW	(1)
19		39-1411	TUBE	(1)
20		39-1420	WOOD SCREW D=4.8 L=25	2
21	#01	39-1421	AIR DEVICE C ASM.	1
22		39-1422	ELECTROMAGNETIC VALVE C ASM.	(1)
23		39-1423	ELECTROMAGNETIC VALVE C	(1)
24		39-1405	ELBOW B	(1)
25		39-1406	INSULATION TUBE	(1)
26		39-1407	PIN TERMINAL, FEMALE	(1)
27		39-1408	PIN TERMINAL, MALE	(4)
28		39-1409	12-POLE RECEPTACLE COVER	(1)
29		39-1410	9-POLE PLUG, WHITE	(1)
30		39-1411	TUBE	(4)
31		39-1402	WIRE MARK (1)	(2)
32		39-1412	WIRE MARK (2)	(2)
33		39-1413	WIRE MARK (3)	(2)
34		39-1434	WIRE MARK (4)	(2)
35		39-1435	SCREW D=4.1 L=50	4
36		39-1435	SCREW D=4.1 L=50	4

NOTE #01.....OPTIONAL PARTS

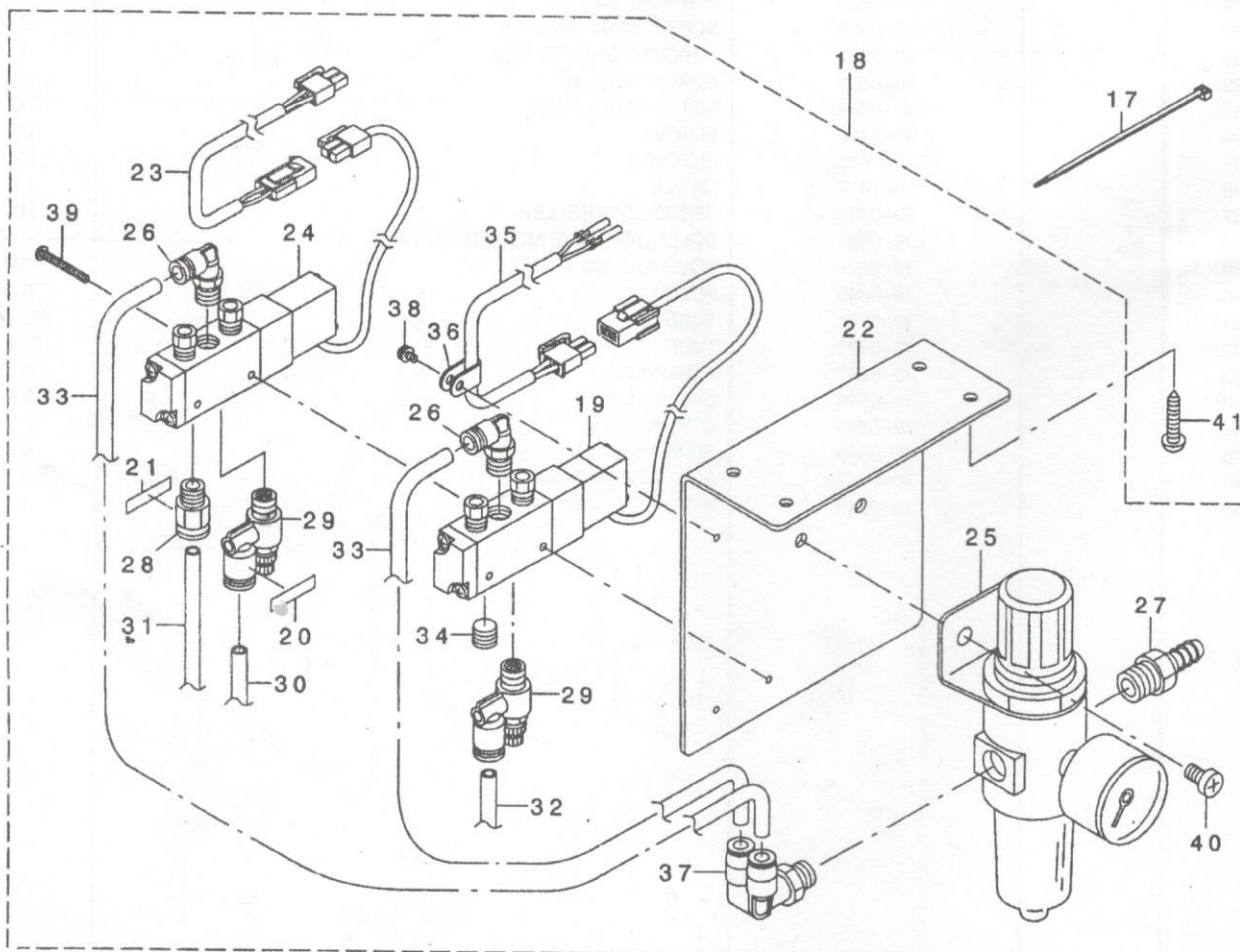
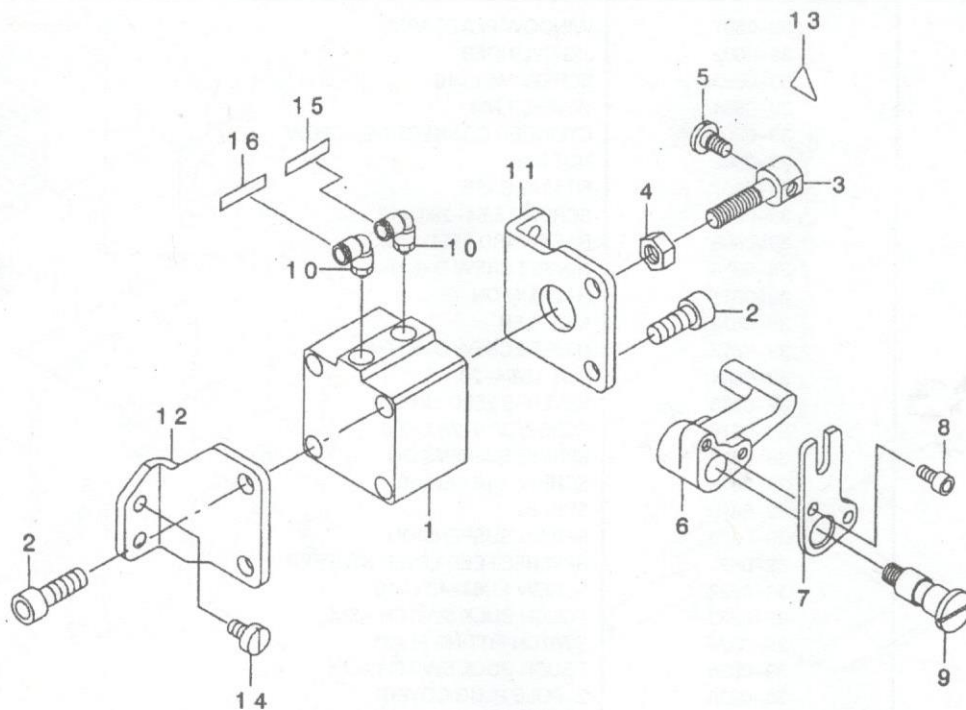
18. AUTOMATIC BACK COMPONENTS (OPTIONAL PARTS)



18. AUTOMATIC BACK COMPONENTS (OPTIONAL PARTS)

REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		39-0801	WINDOW PLATE ASM.	1
2		39-0802	JIG CYLINDER	(1)
3		39-0803	SCREW M6 L=16	(2)
4		39-0804	WASHER M6	(2)
5		39-0805	CYLINDER CONNECTING SCREW	(1)
6		39-0806	NUT M6	(1)
7		39-0807	FITTING BASE	(1)
8		39-0808	SCREW 15/64-28 L=12	(2)
9		39-0809	BACKWARD FEED LINK	(1)
10		39-0810	HINGE SCREW D=8 H=3.5	(2)
11		39-0811	HALF UNION	(1)
12		39-0812	MUFFLER	(1)
13		39-0813	HINGE SCREW D=8 H=4	1
14		39-0814	NUT 15/64-28	1
15		39-0815	REVERSE FEED LINK,(1)	1
16		39-0816	SCREW 3/16-28 L=7.0	1
17		39-0817	SPRING SUSPENSION	1
18		39-0818	SCREW 3/16-28 L=6	1
19		39-0819	SPRING	1
20		39-0820	SPRING SUSPENSION	1
21		39-0821	REVERSE FEED LEVER STOPPER	1
22		39-0822	SCREW 11/64-40 L=18	1
23		39-0823	TOUCH BUCK SWITCH ASM.	1
24		39-0824	SWITCH FITTING PLATE	(1)
25		39-0825	TOUCH BUCK SWITCH ASM	(1)
26		39-0826	2-POLE PLUG COVER	(1)
27		39-1408	PIN CONTACT	(2)
28		39-0828	CABLE BAND	(1)
29		39-0829	HOUSING 14P	1
30		39-0830	SCREW 11/64-40 L=7.8	2
31		39-0831	AIR COMPONENTS ASM.	1
32		39-0832	SCREW M6 L=10	(2)
33		39-0833	FILTER REGULATOR	(1)
34		39-1418	ELBOW	(1)
35		39-1405	ELBOW B	(1)
36		39-1417	NIPPLE	(1)
37		39-0837	SPEED CONTROLLER	(1)
38		39-0838	SOLENOID VALVE MOUNTING PLATE	(1)
39		39-0839	SOLENOID VALVE ASM.	(1)
40		39-0840	PLUG 1/8	(1)
41		39-0841	TUBE	(0.18)
42		39-0842	TUBE	(1.3)
43		39-0843	CORD ASM.	(1)
44		39-0844	CABLE CLIP	(1)
45		39-0845	SCREW M3□6	(1)
46		39-0846	SCREW M3□0.5 L=25.0	(2)
47		39-0847	CYLINDER PACKING	1
48		39-0848	WASHER 5□10.5□	2

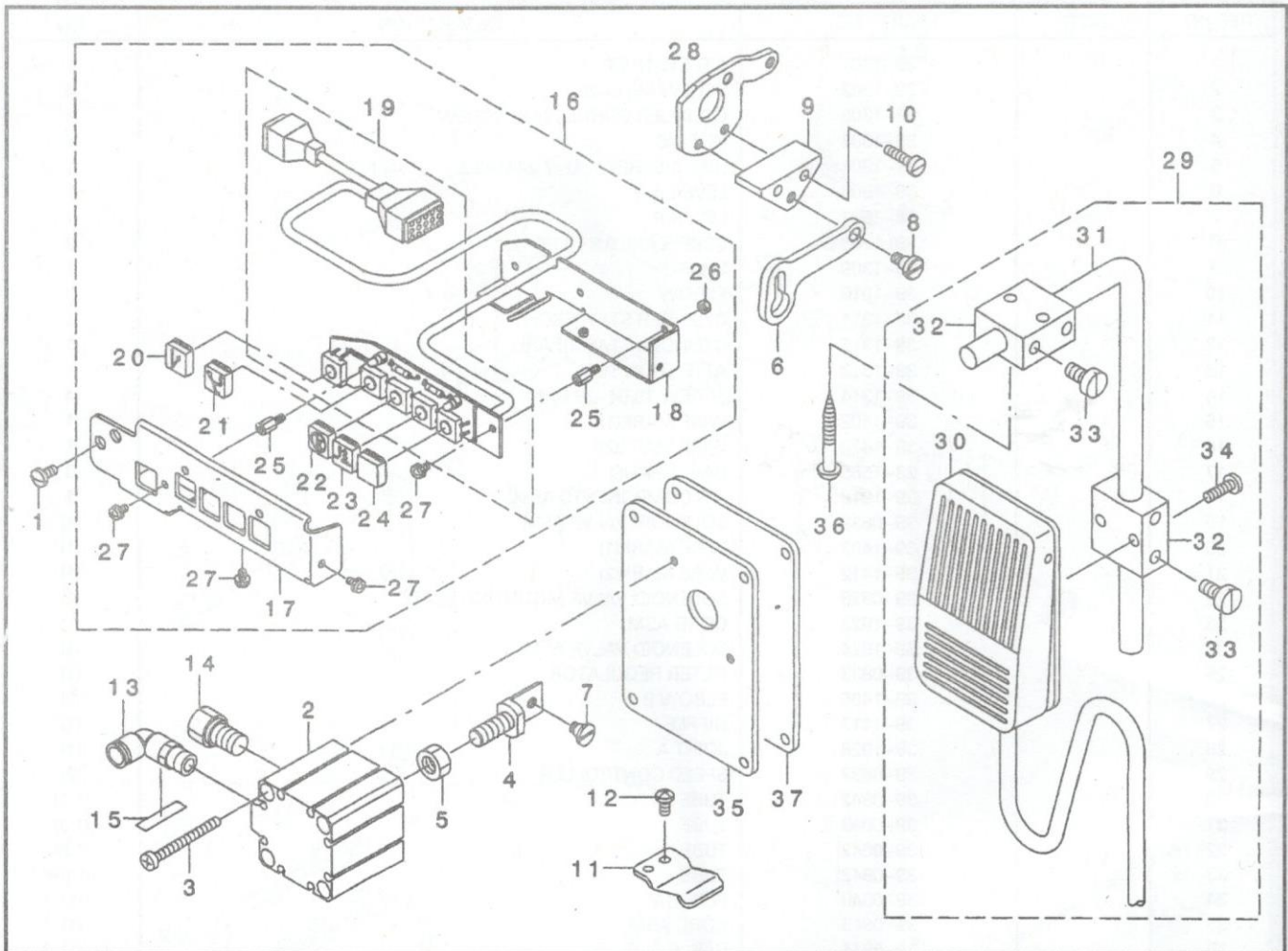
19. AUTOMATIC PRESSER LIFTING MECHANISM COMPONENTS (OPTIONAL PARTS)



19. AUTOMATIC PRESSER LIFTING MECHANISM COMPONENTS (OPTIONAL PARTS)

REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		39-1301	AIR CYLINDER	1
2		39-1302	SCREW M8 L=20	4
3		39-1303	CYLINDER CONNECTING SCREW	1
4		39-1304	NUT M8	1
5		39-1305	HINGE SCREW D=7.24 H=3.3	1
6		36-1906	LEVER A	1
7		36-1907	LEVER B	1
8		39-1908	SCREW M5 $\square$ 0.8 L=10	2
9		39-1309	SHAFT	1
10		39-1910	ELBOW	2
11		39-1311	CYLINDER STAY (FRONT)	1
12		39-1312	CYLINDER STAY (REAR)	1
13		39-1313	ATTENTION SEAL	1
14		39-1314	SCREW 15/64-28 L=10	4
15		39-1402	WIRE MARK(1)	1
16		39-1412	WIRE MARK(2)	1
17		23-1565	CABLE BAND	3
18		39-1918	AIR COMPONENTS ASM.	1
19		39-0839	SOLENOID VALVE ASM.	(1)
20		39-1402	WIRE MARK(1)	(1)
21		39-1412	WIRE MARK(2)	(1)
22		39-0838	SOLENOID VALVE MOUNTING PLATE	(1)
23		39-1923	CORD ASM.	(1)
24		39-1924	SOLENOID VALVE ASM.	(1)
25		39-0833	FILTER REGULATOR	(1)
26		39-1405	ELBOW B	(2)
27		39-1417	NIPPLE	(1)
28		39-1928	JOINT A	(1)
29		39-0837	SPEED CONTROLLER	(2)
30		39-0842	TUBE	(1.3)
31		39-0842	TUBE	(1.3)
32		39-0842	TUBE	(1.3)
33		39-0842	TUBE	(0.18)
34		39-0840	PLUG 1/8	(1)
35		39-0843	CORD ASM.	(1)
36		39-0844	CABLE CLIP	(1)
37		39-1937	JOINT	(1)
38		39-0845	SCREW M3 $\square$ 6	(1)
39		39-0846	SCREW M3 L=40	(2)
40		39-0832	SCREW M6 L=10	(2)
41		39-1941	WOOD SCREW D=4.8 L=25	4

20. DL MECHANISM COMPONENTS (OPTIONAL PARTS)



REF NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		39-2101	SCREW 11/64-40 L=7.8	2
2		39-2102	JIG CYLINDER	1
3		39-2103	SCREW	2
4		39-2104	CYLYNDER CONNECTING SCREW	1
5		39-2105	NUT M8	1
6		39-2106	MUTUAL VERTICAL LINK	1
7		39-2107	HINGE SCREW	1
8		39-2108	HINGE SCREW D=6 H=4.5	1
9		39-2109	MUTUAL VERTICAL LINK SPASER	1
10		39-2110	SCREW 11/64-40 L=16	2
11		39-2111	MUTUAL VERTICAL LINK SUPPORT	1
12		23-0105	SCREW 11/64-40 L=8	2
13		39-1910	ELBOW	1
14		39-0812	MUFFLER	1
15		39-1434	WIRE MARK(4)	1
16		39-2116	5RANGE SWITCH ASM.	1
17		39-2117	SWITCH COVER	(1)
18		39-2118	SWITCH CIRCUIT FITTING BASE	(1)
19		39-2119	5RANGE SWITCH CIRCUIT ASM.	(1)
20		39-2120	KEY TOP A	(1)
21		39-2121	KEY TOP B	(1)
22		39-2122	KEY TOP C	(1)
23		39-2123	KEY TOP D	(1)
24		39-2124	KEY TOP F	(1)
25		39-2125	SPACER	(4)
26		39-2126	NUT M3	(3)
27		39-2127	SCREW M3x6	(4)
28		39-2128	STOPPER PLATE B	1
29		39-2129	KNEE SWITCH A ASM.	1
30		39-2130	KNEE SWITCH A ASM.	(1)
31		39-2131	DRIVING BAR, T002	(1)
32		39-2132	KNEE SWITCH SUPPORT BASE	(2)
33		39-2133	SCREW 15/64-28 L=11.5	(4)
34		39-2134	SCREW 11/64-40 L=14	(2)
35		39-2135	WINDOW PLATE F	1
36		39-2136	WOOD SCREW D=5.1 L=40	2
37		39-2137	WINDOW PLATE E PACKING	1