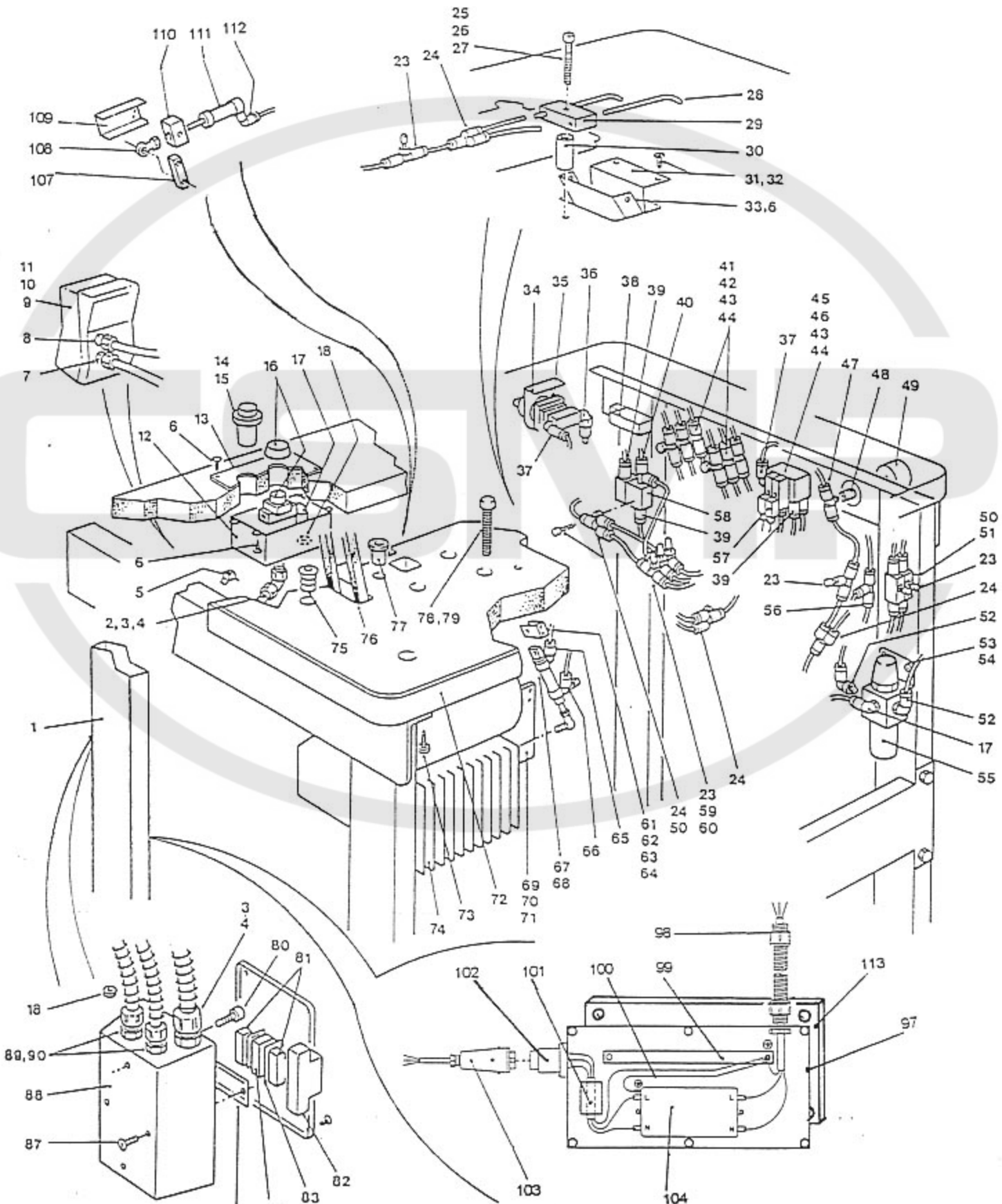
10.1A ELECTRICAL AND PNEUMATIC COMPONENTS - AJ84-50EJ Only

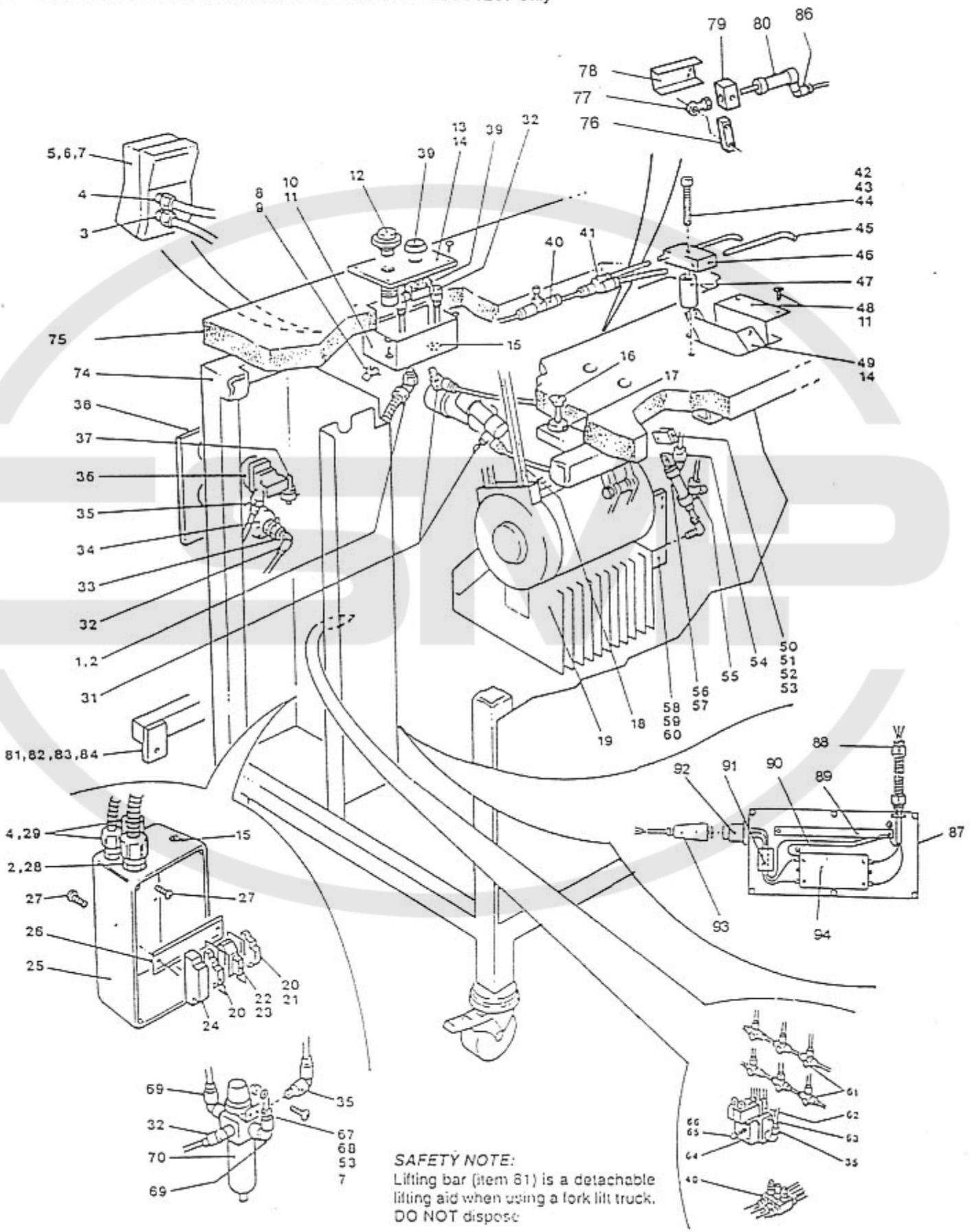


10.1A ELECTRICAL AND PNEUMATIC COMPONENTS - AJ84-50EJ Only

ITEM	CODE No.	DESCRIPTION	QTY
1	047154	Frame	1
2	058646	90° Elbow Connector	1
3	058610	Conduit Fitting, 20mm	2
4	058608	Conduit, 20mm	1
5	058630	Cable Tie Saddles	10
6	020949	No.6 Posi Wood Screw	12
7	058614	PG11 Conduit Fitting	1
8	058612	PG13.5 Conduit Fitting, 16mm	4
9	—	EFKA Starter Box	1
10	—	M5x20 Cap Hd Screw	2
11	021098	M5 Plain Washer	2
12	058626	Emergency Stop and Start Enclosure	1
13	048455	Stop/Start Plate	1
14	030922	Emergency Stop Button	1
15	030957	N/C Contact Block	2
16	032160	Pneumatic Start Button	1
17	032100	Elbow, 1/8" x 4mm	4
18	058625	Rubber Grommet	2
19			
20			
21			
22			
23	060325	In-line Flow Control	7
24	060326	'Y' Connector	4
25	020835	M6x80 Cap Hd Screw	1
26	021099	M6 Washer	2
27	021088	M6 Full Nut	1
28	046685	Waste Chute Blower	2
29	046680	Waste Chute Blower Bracket	1
30	046790	Blower Spacer	1
31	046655	Waste Chute Edge Piece	1
32	020949	No.6 x5/8" Csk Screw	2
33	046660	Waste Chute	1
34	107350	Air Valve Mounting Bracket	1
35	032120	Air Valve	1
36	020179	Elbow	1
37	032105	Elbow, 6mm	2
38	047140	Pressure Switch	2
39	032110	M5x4 Straight Connector	6
40	060989	Tee Adaptor, 4mm	1
41	032150	'T' Connector	6
42	020879	M4x40 Cap Hd Screw	4
43	021010	M4 Plain Washer	4
44	021086	M4 Nut	2
45	058005	Manifold	1
46	020855	M4x30 Cap Hd Screw	2
47	032155	'T' Connector	1
48	020727	Pressure Gauge Connector	1
49	046865	Pressure Gauge	1
50	020847	M3x35 Cap Hd Screw	4
51	M0105	Nylon Spacer	2
52	032107	Elbow, 6mm	2
53	032015	Mounting Bracket	1
54	020984	M5x16 Butt Hd Screw	2
55	048045	Filter Regulator	1
56	032156	'T' Connector	1
57	060390	Solenoid Valve	2
58	046746	Pilot Valve	1
59	—	M3x30 Cap Hd Screw	2
60	021085	M3 Nut	2

ITEM	CODE No.	DESCRIPTION	QTY
61	046030	Clevis	1
62	020856	M5x12 Cap Hd Screw	2
63	021027	M5 Spring Washer	2
64	021087	M5 Nut	2
65	032095	Elbow, M5x4	2
66	032040	Flow Control	1
67	046025	Motor Start Cylinder	1
68	—	Rod End	1
69	047011	Cylinder Mounting Plate	1
70	020856	M2x12 Cap Hd Screw	4
71	021027	M5 Spring Washer	4
72	059037	Table Top	1
73	—	No.12 x1" Wood Screw	4
74	046730	EFKA Motor	1
75	025490	Grommet	1
76	046955	Drive Belt	1
77	025490	Nylon Sleeve	1
78	021068	Motor Fastening Bolt	3
79	052016	Anti-Vibration Mount	3
80	—	M4x16 Butt Hd Screw	2
81	058620	Bus Bar	2
82	058616	Delay On Energiser	1
83	—	Tuffnel Dividers	2
84	058618	Relay	1
85	058622	Relay Base and Clip	1
86	058604	Din Rail	1
87	—	M4x12 Butt Hd Screw	2
88	058602	Mains, Relay, Delay Enclosure	1
89	058612	Conduit Fitting, 16mm	2
90	058606	Conduit, 16mm	3
		Not Illustrated	
91	059021	Juki Head c/w Knife	1
92	—	Needles	
93	047159	Waste Bin	1
94	048480	Tube, 4mm	As req'd
95	048481	Tube, 5mm	As req'd
96	048482	Tube, 6mm	As req'd
97	058688	Filter Enclosure	1
98	058696	Filter to ON/OFF Harness	1
99	058690	Clamp Bar	1
100	058695	Earth Lead	1
101	058678	10mm Ferrite	1
102	058681	7 Way Connector	1
103	058693	Mains Connector	1
104	058686	Mains Filter	1
113	058698	Filter Mounting Plate	1
		Not Illustrated	
105	058736	5/6mm Dia. Ferrite	2
106	058682	6/7mm Dia. Ferrite	1
		Presser Foot Lifting Assy.	
107	047115	Presser Foot Lever	1
108	028200	Cylinder Rod End	1
109	047149	Foot Cylinder Guard	1
110	047148	Foot Cylinder Guard Block	1
111	047170	Presser Foot Cylinder	1
112	032095	Elbow, M5 x 4	2

10.1B ELECTRICAL AND PNEUMATIC COMPONENTS - AJ84-52SJ Only

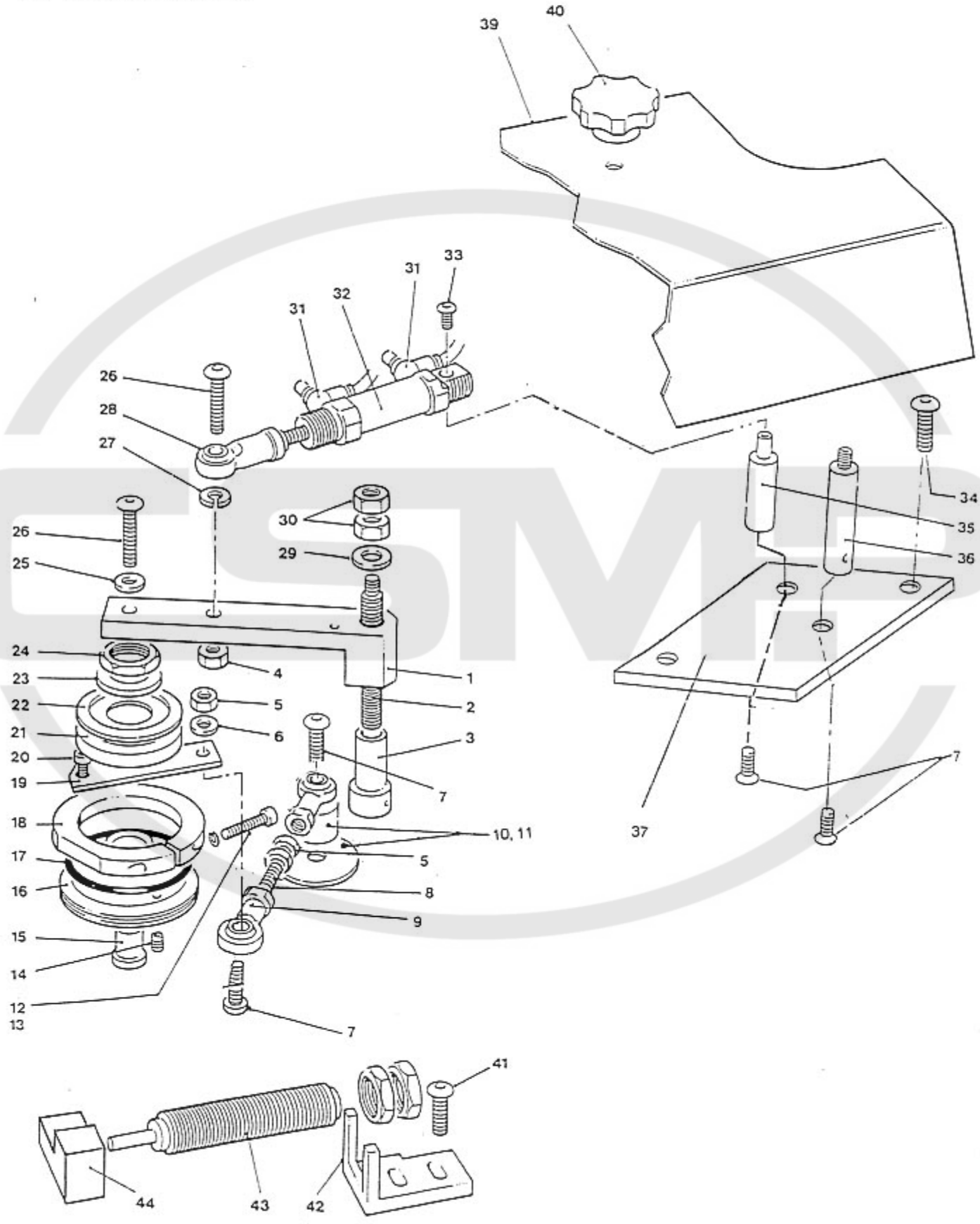


SAFETY NOTE:
Lifting bar (item 81) is a detachable lifting aid when using a fork lift truck. DO NOT dispose

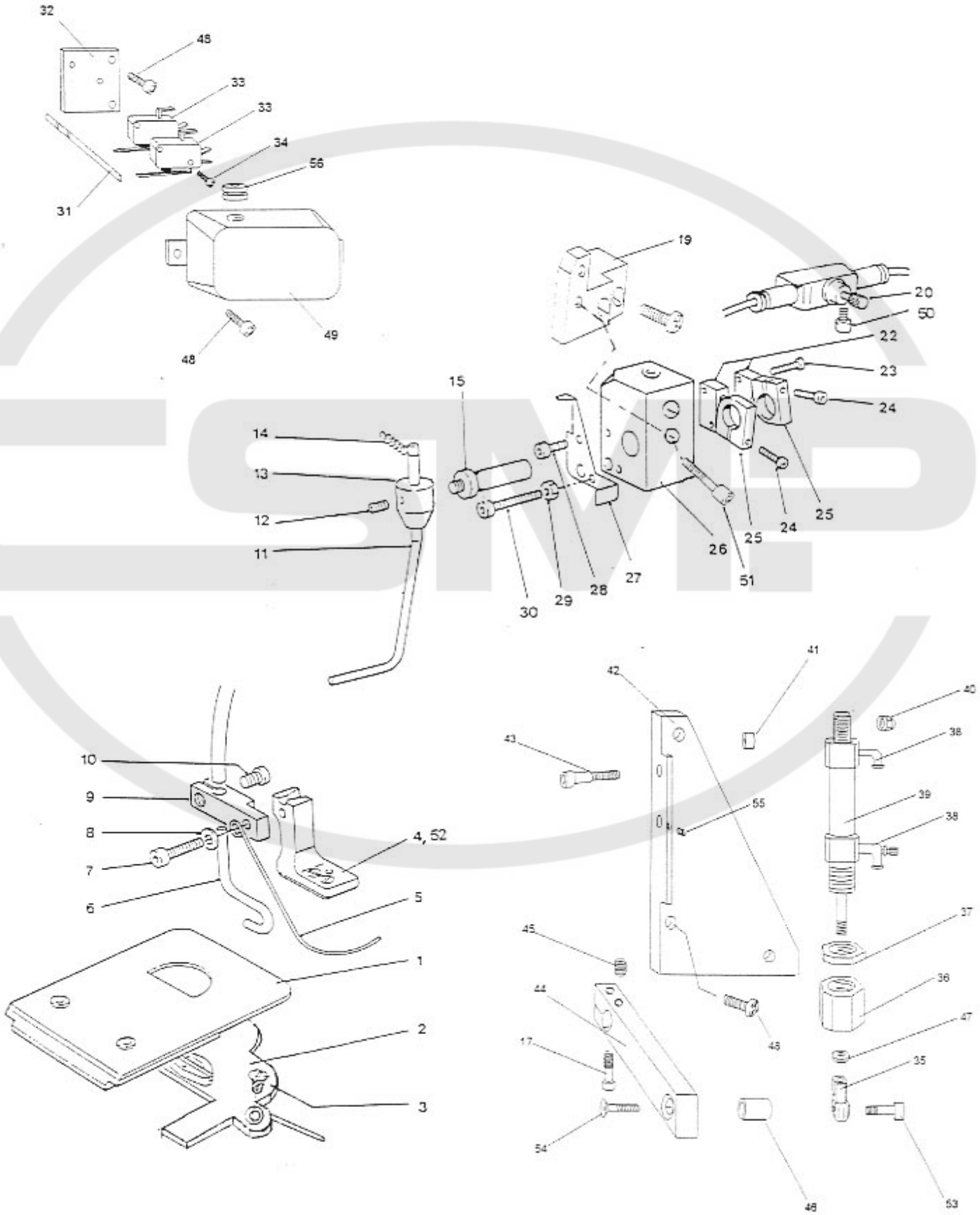
10.1B ELECTRICAL AND PNEUMATIC COMPONENTS - AJ84-52SJ Only

ITEM	CODE No.	DESCRIPTION	QTY
ELECTRICAL COMPONENTS			
1	058646	90° Elbow Connector	1
2	058610	Conduit Fitting, 20mm	2
3	058614	PG11 Conduit Fitting, 16mm	1
4	058612	PG13.5 Conduit Fitting, 16mm	3
5	—	EFKA Starter Box	1
6	—	M5x20 Cap Hd Screw	2
7	021098	M5 Plain Washer	4
8	058630	Cable Tie Saddles	10
9	020949	No.8x1/2" Pan Hd Screw	10
10	058626	Emergency Stop and Start Enclosure	1
11	020949	No.6x5/8" Csk Screw	6
12	030245	Emergency Stop	1
13	048455	Stop/Start Legend Plate	1
14	032160	No.6x5/8" Pan Hd Screw	6
15	058625	Rubber Grommet	2
16	021068	Motor Mounting Bolt	3
17	052016	Anti-Vibration Mount	3
18	047150	Drive Belt	1
19	046730	EFKA Motor	1
20	058620	Bus Bar	2
21	—		
22	058618	Relay	2
23	058622	Relay Base and Clip	1
24	058616	Delay On Energiser	1
25	058602	Mains, Relay, Delay Enclosure	1
26	058604	Din Rail	1
27	—	M4x12 Butt Hd Screw	4
28	058608	Conduit, 20mm	1
29	058606	Conduit, 16mm	2
		Not Illustrated	
30	048967	Reset Fuse	1
PNEUMATIC COMPONENTS			
31	032045	Flow Control	2
32	032100	Elbow,1/8"x4mm	5
33	020727	Air Connector	1
34	046865	Pressure Gauge	1
35	032107	Elbow, 6mm	3
36	032120	Air Valve	1
37	020719	Elbow,1/4"x8mm	1
38	046505	On/Off Legend Plate	1
39	032160	Pneumatic Start Button	1
40	060325	In-Line Flow control	4
41	060326	'Y' Connector	1
42	020835	M6x80 Cap Hd Screw	1
43	021099	M6 Plain Washer	2
44	021088	M6 Nut	1
45	046665	Waste Chute Blower	2
46	046680	Waste Chute Blower Bracket	1
47	046790	Blower Spacer	1
48	046655	Waste Chute Edge Piece	1
49	046660	Waste Chute	1
50	046030	Clevis	1
51	020856	M5x12 Cap Hd Screw	2
52	021027	M5 Spring Washer	2
53	021087	M5 Nut	4
54	032095	Elbow, M5x4mm	2
55	032045	Flow Control	1
56	046025	Motor Start Cylinder	1
57	—	Rod End	1
58	047011	Cylinder Mounting Plate	1
59	020856	M5x12 Cap Hd Screw	4
60	021027	M5 Spring Washer	4
61	032150	'T' Connector	6
62	032110	Straight Connector, M5x4mm	4
63	058005	Manifold	1
64	025490	Solenoid Valve	2
65	020855	M4x30 Cap Hd Screw	2
66	021086	M4 Nut	2
67	032015	Mounting Bracket	1
68	020982	M5x10 Butt Hd Screw	2
69	032107	Elbow,6mm	2
70	048045	Filter/Regulator	1
		Not Illustrated	
71	048480	Tube, 4mm	As req'd
72	048481	Tube, 5mm	As req'd
73	048482	Tube, 6mm	As req'd
TABLE AND FRAME			
74	046715	Frame	1
75	059037	Table Top	1
76	047115	Presser Foot Lever	1
77	028200	Cylinder Rod End	1
78	047149	Foot Cylinder Guard	1
79	047148	Foot Cylinder Guard Block	1
80	047170	Presser Foot Cylinder	1
81	—	Lifting Bar	1
82	—	M8x50 Cap Hd Screw	2
83	021058	M8 Nut	2
84	021093	M8 Plain Washer	2
85	059021	Juki Head c/w Knife	1
86	032095	Elbow, M5x4	1
MAINS FILTER			
87	058688	Filter Enclosure	1
88	058696	Filter to ON/OFF Harness	1
89	058690	Clamp Bar	1
90	058695	Earth Lead	1
91	058678	10mm Ferrite	1
92	058681	7 Way Connector	1
93	058693	Mains Connector	1
94	058686	Mains Filter	1
		Not Illustrated	
95	058736	5/6mm Dia. Ferrite	2
96	058682	6/7mm Dia. Ferrite	1

10.2 JIG DRIVE/SNUBBER



10.3 THROAT PLATE/PRESSER FOOT/TRIP ARM/SAFETY SWITCH



10.2 JIG DRIVE/SNUBBER

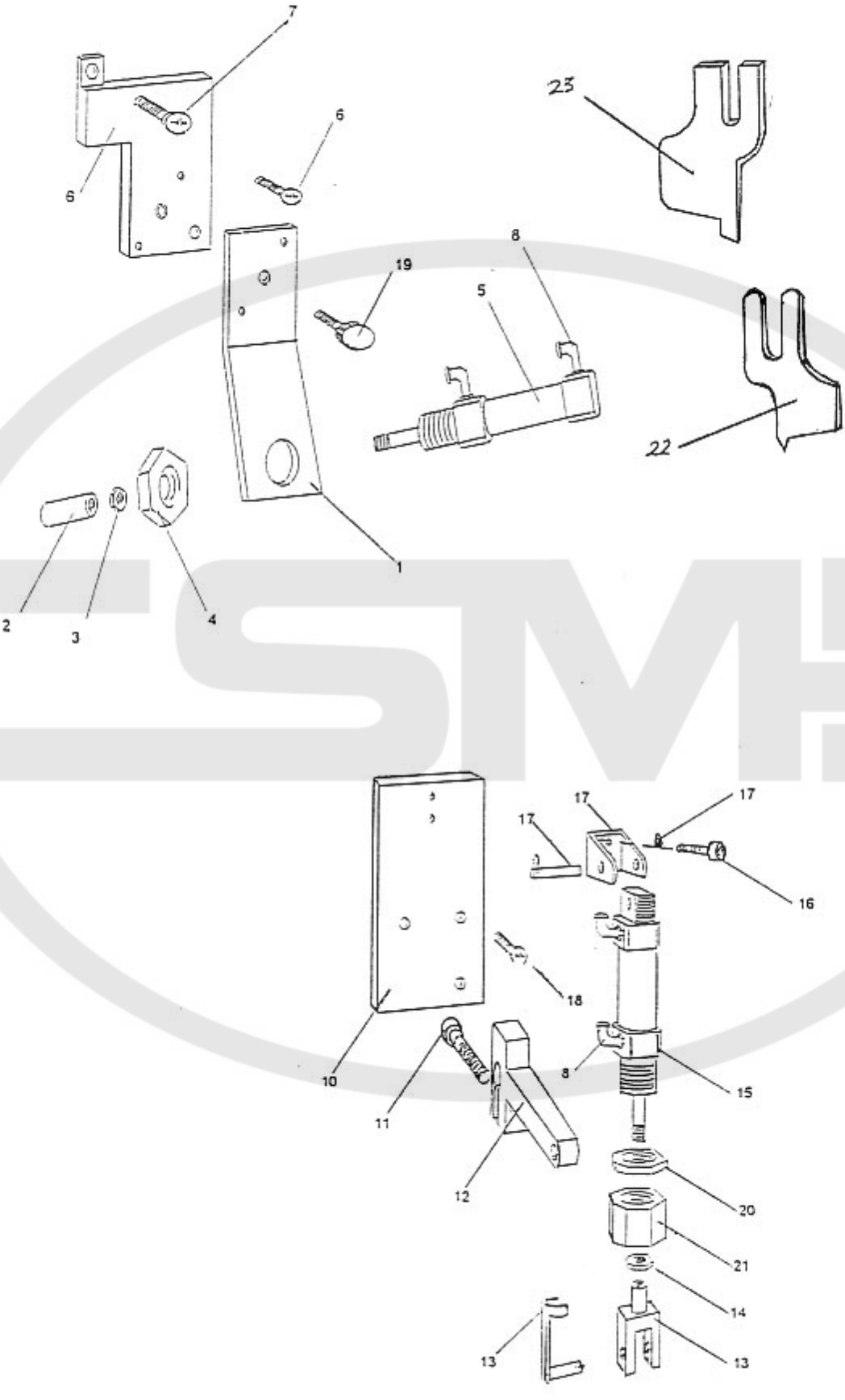
ITEM	CODE No.	DESCRIPTION	QTY
JIG DRIVE			
1	048085	Drive Arm	1
2	046935	Drive Cover Stud	1
3	030511	Mounting Arm Eccentric	1
4	021088	M6 Nut	1
5	021087	M5 Nut	3
6	021098	M5 Plain Washer	1
7	020984	M5x16 Butt Hd Screw	4
8	029060	Stud	1
9	028200	Rod End	2
10	046535	Oil Cover Tube	1
11	046530	Oil Cover	1
12	020855	M4x30 Cap Hd Screw	1
13	021026	M4 Spring Washer	1
14	020922	M5x5 Grub Screw	2
15	025280	Pivot Spindle	1
16	029010	Drive Wheel	1
17	029125	'O' Ring	1
18	025290	Free Wheel Housing	1
19	046920	Drive Plate	1
20	020842	M3x10 Cap Screw	2
21	029070	Bearing	1
22	029126	Nilos Ring	1
23	029020	Washer	1
24	029030	Locknut	1
25	021099	M6 Washer	1
26	020992	M6x25 Butt Hd Screw	2
27	021028	M6 Spring Washer	1
28	028210	Rod End	1
29	021093	M8 Plain Washer	1
30	021058	M8 Nut	2
31	032040	Flow Control	2
32	028192	Cylinder	1
33	—	M4x6 Butt Hd Screw	1
34			
35	030620	Drive Cylinder Stud	1
36	059110	Drive Cover Stud	1
37	059023	Jig Drive Base Plate	1
38	020807	M5x10 Csk Screw	1
39	059115	Drive Cover Guard	1
40	046525	Thumb Nut, 8mm	2
SNUBBER			
41	020984	M5x16 Butt Hd Screw	2
42	046515	Snubber Bracket	1
43	046765	Damper Shock Absorber	1
44	047106	Nylon Damper Block	1

10.3. THROAT PLATE/PRESSER FOOT/TRIP ARM/ SAFETY SWITCH/DENSE CYLINDER

ITEM	CODE No.	DESCRIPTION	QTY
THROAT PLATE			
1	059137	Plate Assembly	1
2	059006	Throat Plate 3/16"	1
s	059005	Throat Plate 1/8"	1
s	059007	Throat Plate 1/4"	1
3	059016	Throat Plate Screw	2
		s = Special	
PRESSER FOOT			
4	025550	Presser Foot 3/16"	1
s	025540	Presser Foot 1/8"	1
s	025560	Presser Foot 1/4"	1
5	025702	Finger Guard	1
6	025440	Nozzle	1
7	—	6x40 x 5/8 Long Cap Hd.	1
8	021010	M4 Plain Washer	1
9	025450	Mounting Block	1
10	020840	M3X5 Cap Hd Screw	1
		s = Special	
TRIP ARM			
11	059080	Trip Arm Stop	1
12	020919	M4X5 Grub Screw	1
13	025200	Pivot Body	1
14	028270	Spring	1
15	025730	Pivot Spindle	1
16	—	M6x20 Cap Hd Screw	1
17	020858	M5x25 Cap Hd Screw	1
18	021088	M6 Nut	1
19	059075	Mounting Block	1
20	060325	In-Line Flow Control	1
21	021099	M6 Plain Washer	2
22	029900	Micro Switch	2
23	—	8 BAx3/4" Pan Hd Screw	2
24	020843	M3x12 Cap Hd Screw	2
25	025740	Cam	2
26	059090	Body	1
27	059085	Stop Bracket	1
28	020878	M4x10 Cap Hd Screw	1
29	021086	M4 Nut	1
30	020852	M4x25 Cap Hd Screw	1
SAFETY SWITCH			
31	059100	Switch Activating Pin	1
32	059105	Microswitch Plate	1
33	028220	Microswitch	2
34	—	6 BAx1" Pan Hd Screw	2
DENSE CYLINDER			
35	026210	Rod End Bearing	1
36	059025	Dense Adjust Nut	1
37	—	M16 Lock Nut	1
38	032040	Flow Control	2
39	059022	Dense Cylinder	1
40	—	M5 Nylock Nut	1
41	059030	Dense Cylinder Spacer	1

ITEM	CODE No.	DESCRIPTION	QTY
DENSE CYLINDER CONTINUED.....			
42	059015	Dense Cylinder Bkt	1
43	—	M5x25 Shoulder Bolt	1
44	059065	Dense Activtating Arm	1
45	—	M6x8 Cup Pt. Grub Screw	1
46	059060	Activating Arm Spacer	1
47	021087	M5 Nut	1
48	—	3/16"x28 x 9 long Screw	3
49	059130	Microswitch Cover	1
50	020844	M3x16 Cap Hd Screw	2
51	020882	M5x35 Cap Hd Screw	2
52	059020	Presser Foot Bush	1
53	020863	M16x16 Cap Hd Screw	1
54	—	M6x16 Csk Screw	1
55	020917	M3x5 Cup Pt. Grub Screw	1
56	058625	Grommet	1
		Not Illustrated	
57	059092	Air Blower	1
58	059131	Microswitch Cover Gasket	1

10.4 JIG LOCATION MECHANISM/KNIFE ASSEMBLY

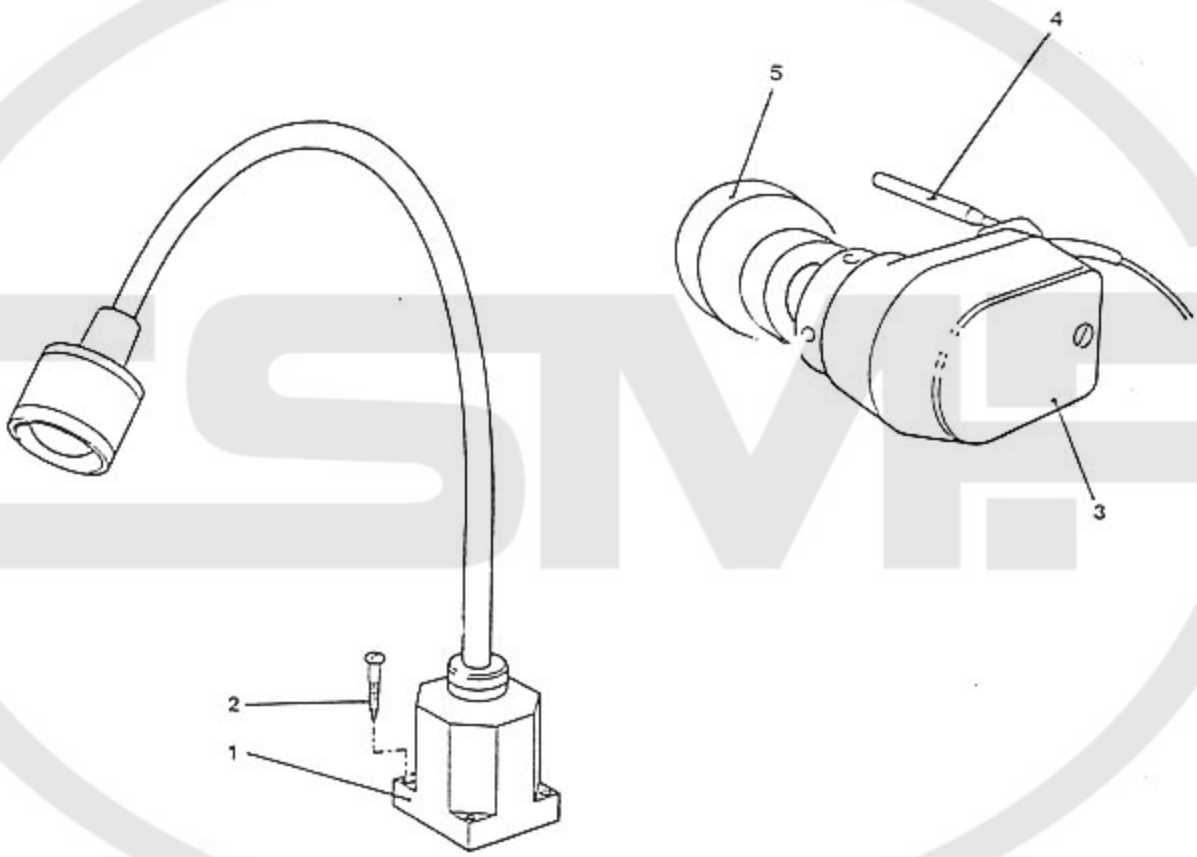


10.4. JIG LOCATION MECHANISM / KNIFE ASSEMBLY

ITEM	CODE No.	DESCRIPTION	QTY
JIG LOCATION MECHANISM			
1	059120	Cylinder Bracket	1
2	059095	Nylatron End	1
3	021087	M5 Nut	1
4	—	M16 Lock Nut	1
5	059125	Jig Location Cylinder	1
6	—	11/64"x40 x 9 Long	1
7	—	3/16"x28 x 9 Long	2
8	032100	90^0 Elbow, 4mm	4
9	059122	Jig Position Mtg Plate	1
KNIFE ASSEMBLY			
10	059011	Knife Mounting Plate	1
11	020857	M5x16 Cap Hd Screw	1
12	059013	Knife Activating Lever	1
13	059019	Rod End Clevis Kit	1
14	021087	M5 Lock Nut	1
15	059018	Knife Cylinder	1
16	—	M6x12 Button Hd Screw	2
17	059017	Clevis Kit	1
18	—	15/64"x28 x 12 Long	3
19	059123	Thumb Nut	1
20	—	M20 Lock Nut	1
21	059145	Knife Adjust Nut	1
22	015420	Side Trimming Knife, short	1
23	047176	Side Trimming Knife, long	1

10.5 LAMP/SYNCHRONISER

ITEM	CODE No.	DESCRIPTION	QTY
LAMP			
1	048075	Work Light Assembly	1
2	—	Wood Screw No. 8 1-1/4"x4"	4
	048079	Hallogen Bulb	1
SYNCHRONISER			
3	—	EFKA Synchroniser	1
4	059035	Synchroniser Stabiliser	1
5	059055	Handwheel Boss	1



JUKI

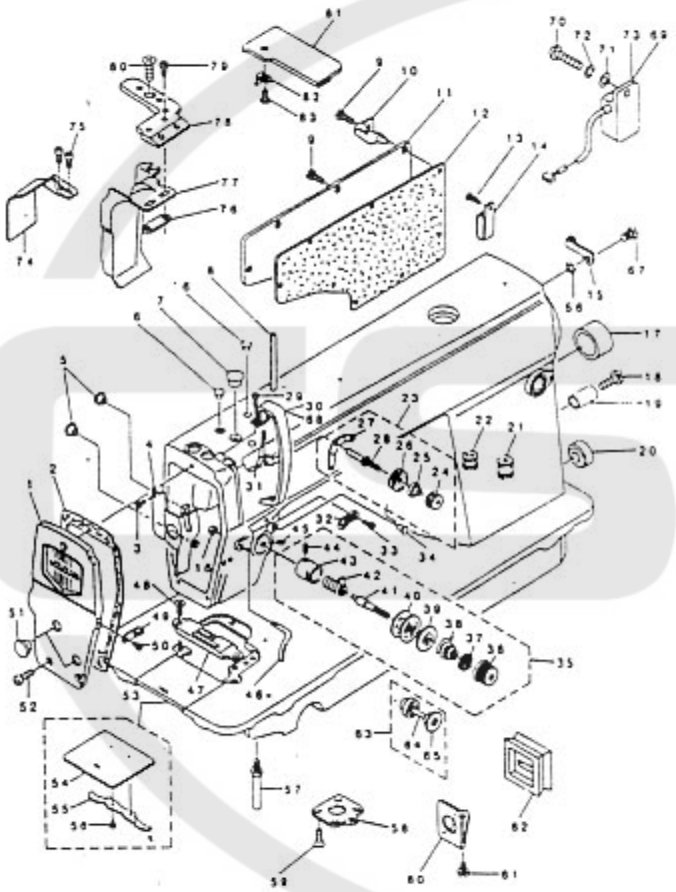
High Speed 1-Needle Lockstitch Industrial Sewing Machine with Automatic Thread Trimmer with Vertical Edge Trimmer

DLM-5400N-7 Series

PARTS LIST

29122702
No.0891-01

1. MACHINE FRAME & MISCELLANEOUS COVER COMPONENTS

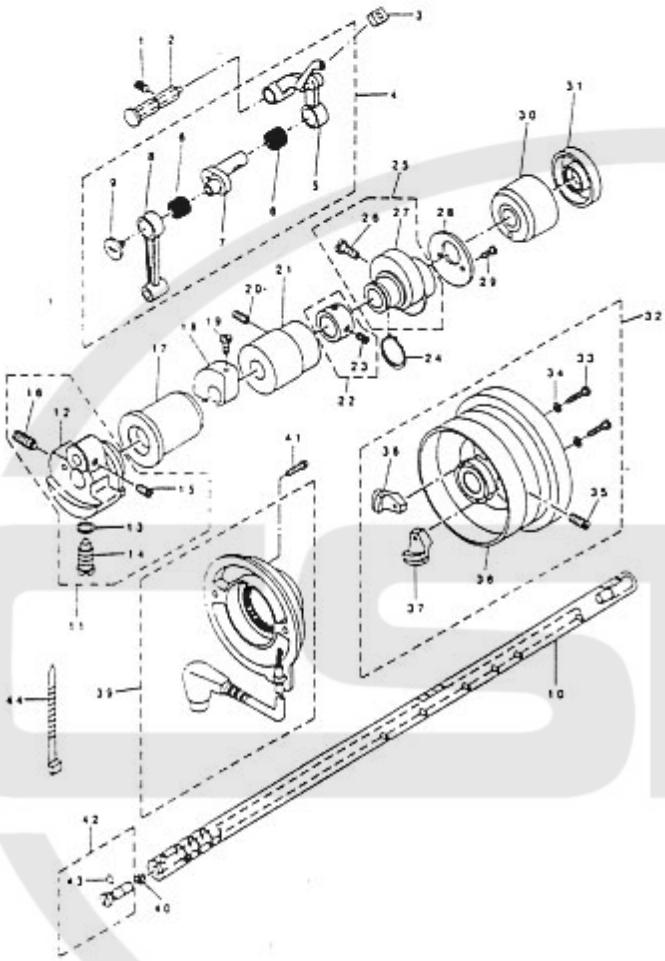


REF. NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		113-25750	FACE PLATE ASM.	1
2		113-00506	FACE PLATE GASKET	1
3		SS-6080410-SP	SCREW 1/8-44 L=4	1
4		110-00858	ARM OIL SHIELD ASM.	1
5		TA-1250504-RO	RUBBER PLUG	2
6		TA-0850604-RO	RUBBER PLUG	2
7		TA-1250705-RO	RUBBER PLUG	1
8		B1114-012-000	THREAD GUIDE PIN	1
9		SS-4120915-SP	SCREW 3/16-28 L=9	7
10	#01	111-02605	CORD HOLDER	1
11		110-70901	SIDE PLATE	1
12		110-00618	GASKET	1
13		SS-4121215-SP	SCREW 3/16-28 L=12	1
14		02112-555-B00	CORD HOLDER, LARGE	1
15		110-30301	CABLE HOLDER	1
16		MS-6090510-SP	NUT 9/64-40	1
17		TA-2000502-RO	RUBBER PLUG	1
18	#02	SS-6121840-SP	SCREW 3/16-28 L=18	1
19	#02	111-00500	REVERSE FEED LEVER STOPPER	1
20		TA-2201002-RO	RUBBER PLUG	1
21	#03	110-30202	RUBBER BUSHING	1
22	#02	111-00304	MAGNET CORD RUBBER	1
23		110-72451	THREAD TENSION ASM.	1
24		110-45309	THREAD TENSION NUT	(1)
25		110-45301	THREAD TENSION SPRING	(1)
26		B2214-047-000	BOBBIN WINDER TENSION DISC	(2)
27		110-45200	THREAD TENSION GUIDE	(1)
28		110-45002	FIRST TENSION POST	(1)
29		SS-4120615-SP	SCREW 3/16-28 L=6	1
30		110-71008	THREAD TAKE-UP LEVER COVER	1
31		SS-4120615-SP	SCREW 3/16-28 L=6	1
32		110-18504	ARM THREAD GUIDE A	1
33		110-01500	SCREW	1
34		TA-0850604-RO	RUBBER PLUG	1
35		110-72352	THREAD TENSION ASM.	1
36		110-72304	TENSION NUT	(1)
37		B3120-125-000	ROTATING STOPPER	(1)
38		B3129-012-A00	TENSION SPRING	(1)
39		B3132-552-000	THREAD TENSION DISK PRESSER	(1)
40		B3126-012-000	THREAD TENSION DISK	(2)
41		B3115-552-000	TENSION POST	(1)
42		B3126-012-000	TAKE-UP SPRING	(1)
43		B3111-126-000	TENSION POST SOCKET	(1)
44		SS-6090670-SP	SCREW 9/64-40 L= 5.5	(1)
45		SS-8150710-SP	SCREW 15/64-28 L=7	1
46		113-05513	ARM THREAD GUIDE, C	1
47		B1190-522-S00	GAUGE PLATE 1/8 S	1
48		SS-2110915-SP	SCREW 11/64-40 L=8.5	2
49		110-18603	ARM THREAD GUIDE B	1
50		SS-6110610-TP	SCREW 11/64-40 L=6	1
51		TA-1250406-RO	RUBBER PLUG D=12.5 L=4	2
52		SS-4121015-SP	SCREW 3/16-28 L=10	3
53		110-01658	BED SLIDE ASM.	1
54		B1110-012-000	SLIDE PLATE	(1)
55		110-01609	BED SLIDE SPRING	(1)
56		SS-6080210-SP	SCREW 1/32-56 L= 1.9	(1)
57		110-01104	BED SCREW STUD	4
58		113-00407	PRESSER BAR SUPPORT	1
59		SS-1120710-SP	SCREW 3/16-28 L=6.5	4
60		113-45709	OIL SHIELD	1
61		SS-6110610-TP	SCREW 11/64-40 L=6	1
62		113-45600	OIL RUBBER	1
63		B3133-415-0A0	TENSION RELEASE PIN CAP	1
64		B3118-415-000	TENSION RELEASE PIN	(1)
65		B3136-415-000	CAP RING	(1)
66		WT-0530002-LS	TOOTHED WASHER D=5.3	1
67		SS-4120615-SP	SCREW 3/16-28 L=6	1
68	#05	180-77503	THREAD TAKE-UP LEVER COVER	1
69	#06	MD001-350-AAA	RESISTANCE PACK AA ASM.	1
70	#04	SS-4121215-SP	SCREW 3/16-28 L=12	1
71	#04	WP-0501016-SS	WASHER 5X10.5X1	1
72	#04	WS-0510002-KP	SPRING WASHER 5.1X9.2X1.3	1
73	#04	MD001-350-AAF	RESISTANCE PACK AF ASM.	1
74		113-46400	WASTE MATERIAL GUIDE	1
75		113-45808	SCREW	2
76		B1193-530-000	WASTE MATERIAL GUARD PLATE	1
77		113-46905	WASTE MATERIAL GUARD, E	1
78		113-46004	NEEDLE PLATE, A	1
79		SS-4080310-SP	SCREW 1/8-44 L=3.4	2
80		SS-2110915-SP	SCREW 11/64-40 L=8.5	2
81		B1115-530-00F	THROAT PLATE COVER F	1
82		B1115-522-000-A	OPEN COVER SPRING	1
83		SS-4080310-SP	SCREW 1/8-44 L=3.4	1

NOTE

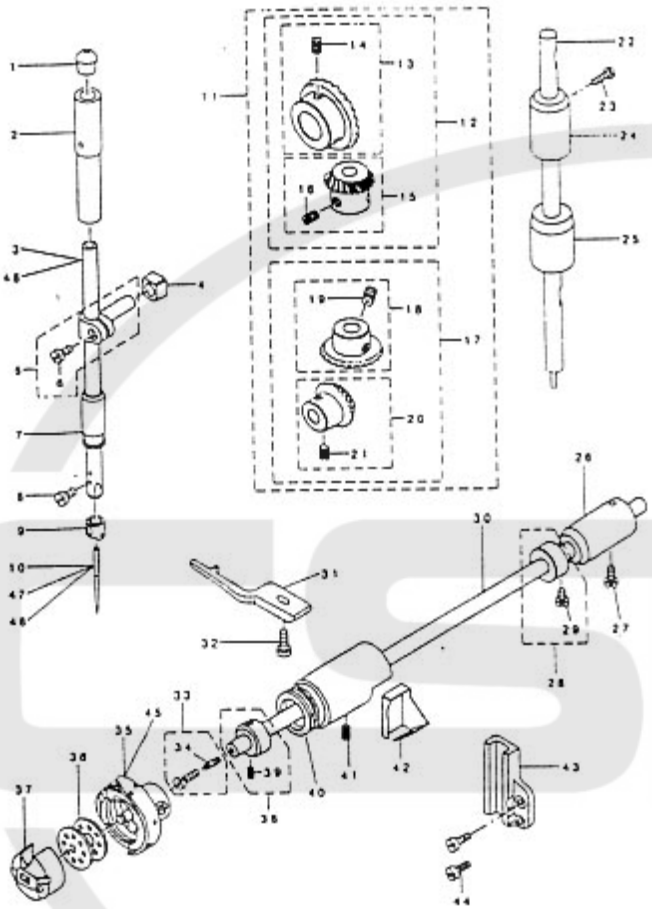
#01....FOR DLN-5400N,7-08,-W0,-W8
#02....FOR DLN-5400N-7-08,-W8
#03....FOR DLN-5400N-7-00,-W0
#04....EXCEPT JE
#05....FOR JE
#06....FOR JA

2. MAIN SHAFT & THREAD TAKE-UP LEVER COMPONENTS



REF. NO.	NOTE	PART NO.	DESCRIPTION	Qty.
1		SS-8151150-SP	SCREW 15/64-28 L=10.5	1
2		110-17357	THREAD TAKE-UP CRANK SHAFT ASM	1
3		B1909-505-000	RUBBER	1
4		110-39070	THREAD TAKE-UP LEVER ASM.	1
5		110-39062	THREAD TAKE-UP LEVER ASM.	(1)
6	#01	B1905-541-B00	NEEDLE BEARING	(2)
7		110-05204	NEEDLE BAR CRANK	(1)
8		B1408-552-000	NEEDLE BAR CRANK ROD	(1)
9		B1903-552-000	LEFT SCREW	(1)
10		113-49008	MAIN SHAFT	1
11		113-49370	COUNTERWEIGHT ASM. M	1
12		113-49214	COUNTERWEIGHT	(1)
13		RD-0442401-00	RUBBER RING	(1)
14		SS-7681650-TP	SCREW 9/32-28 L=16	(1)
15		SS-8660610-TP	SCREW 1/4-40 L=6	(2)
16		SS-8681650-TP	SCREW 9/32-28 L=16	(1)
17		113-49107	BUSHING, FRONT	1
18		113-49404	BALANCER	1
19		SS-7150940-SP	SCREW 15/64-28 L=9	2
20		SS-8150912-TH	SCREW 15/64-28 L=9	1
21		110-02300	BUSHING, INTERMEDIATE	1
22		CS-147121A-SH	THRUST COLLAR ASM.D=14.72 W=12	1
23		SS-8660610-TP	SCREW 1/4-40 L=6	(2)
24		RC-1850001-KP	SNAP RING 18.5	1
25		110-08059	FEED DRIVE ECCENTRIC CAM ASM.	1
26		SS-6661110-SP	SCREW 1/4-40 L=11	(2)
27		110-08000	FEED DRIVE ECCENTRIC CAM	(1)
28		110-08109	THRUST COLLAR	1
29		SS-6090650-SP	SCREW 9/64-40 L=6	2
30		110-02409	MAIN SHAFT BUSHING, REAR	1
31		110-02508	OIL SEAL	1
32		110-71461	HAND WHEEL ASM.	1
33		SS-6111210-SP	SCREW 11/64-40 L=12	(2)
34		WP-0450801-SD	WASHER 4.5X10X0.8	(2)
35		SS-8151550-SP	SCREW 15/64-28 L=15	(2)
36		110-32155	HAND WHEEL ASM.	(1)
37		W4007-110-0AA	MAGNET FITTING BASE A ASM.	(1)
38		W4007-110-0AB	MAGNET FITTING BASE B ASM.	(1)
39		110-32562	DYNAMO STATOR	1
40		110-02904	ROLLER FELT	1
41		SL-4051001-WZ	SCREW M5 L=9.6	2
42		B1213-552-0A0-A	OIL AMOUNT ADJUSTING PIN ASM.	1
43		RD-0291801-00	RUBBER RING	(1)
44		HX-0004300-00	CLIP	1
		NOTE	#01.....SELECTIVE PART(A~D)	

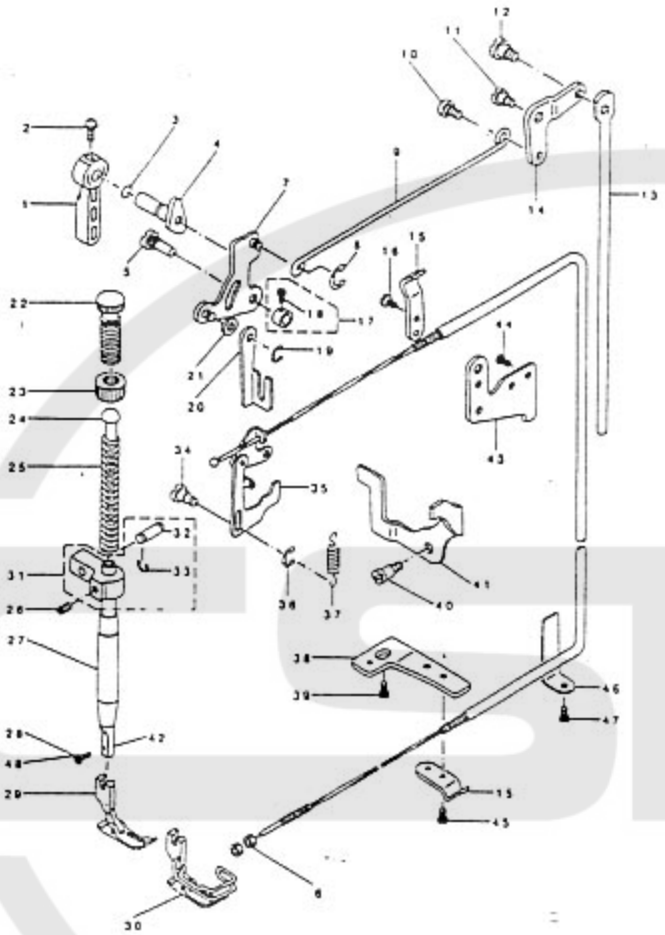
3. NEEDLE BAR, UPRIGHT SHAFT & HOOK DRIVING SHAFT COMPONENTS



REF NO	NOTE	PART NO.	DESCRIPTION	Q'ty
1		B1405-012-000	CAP	1
2		B1402-552-000-A	NEEDLE BAR BUSHING, UPPER	1
3		113-49701	NEEDLE BAR, A	1
4		B1414-555-000	SLIDE BLOCK	1
5		B1411-552-0A0	NEEDLE ROD HOLDER ASM.	1
6		SS-6090670-TP	SCREW 9/64-40 L=6	(1)
7		110-05105	NEEDLE BAR BUSHING, LOWER	1
8		SS-7080510-TP	SCREW 1/8-44 L=4.5	1
9		B1418-530-000	NEEDLE BAR THREAD GUIDE	1
10		MDB-1008I400	NEEDLE DBXI #14	1
11		B1306-155-0C0	GEAR & PINION ASM.	1
12		B1306-155-080	GEAR & PINION ASM., UPPER	(1)
13		B1305-012-0A0	GEAR ASM.	(1)
14		SS-8660810-TP	SCREW 1/4-40 L=8	(2)
15		B1306-155-0A0	PINION ASM.	(1)
16		SS-8660810-TP	SCREW 1/4-40 L=8	(2)
17		B1307-155-080	GEAR & PINION ASM., LOWER	(1)
18		B1307-155-0A0	GEAR ASM. LARGE	(1)
19		SS-8660810-TP	SCREW 1/4-40 L=8	(2)
20		B1308-155-0A0	PINION ASM.	(1)
21		SS-8660810-TP	SCREW 1/4-40 L=8	(2)
22		110-04009	UPRIGHT SHAFT	1
23		SS-4120915-SP	SCREW 3/16-28 L=9	1
24		110-04306	BUSHING, UPPER	1
25		110-04207	UPRIGHT SHAFT BUSHING, LOWER	1
26		110-15807	BUSHING, REAR	1
27		SS-4120915-SP	SCREW 3/16-28 L=9	1
28		CS-079101A-SH	THRUST COLLAR ASM. D=7.94 W=10	1
29		SS-6110420-TP	SCREW 11/64-40 L=4.8	(2)
30		110-15005	HOOK DRIVING SHAFT	1
31		110-38809	BOBBIN CASE HOLDER	1
32		SS-6111010-SP	SCREW 11/64-40 L= 9.5	1
33		B1808-552-0A0	OIL SEAL SCREW ASM.	1
34		B1810-552-000	OIL WICK	(1)
35	#01	110-38650	LUBRICATING BOBBIN ASM.	1
36		B9117-012-000	BOBBIN	1
37		110-38759	BOBBIN CASE ASM.	1
38		CS-079073A-SH	THRUST COLLAR ASM.	1
39		SS-8110410-TP	SCREW 11/64-40 L= 3.5	(2)
40		113-51004	BUSHING, FRONT	1
41		SS-8150432-TH	SCREW 15/64-28 L=4	1
42		110-38908	OIL SHIELD	1
43		113-49909	ROLLER GUIDE BRACKET	1
44		SS-4120915-SP	SCREW 3/16-28 L=9	2
45		111-41355	HOOK ASM.	1
46	#03	113-49500	NEEDLE BAR, B	1
47	#04	MC-2005009-00	NEEDLE 134 90	1
48	#02	WDP-50081400	NEEDLE DPX5 #14	1

NOTE
#01.....FOR DOMESTIC USE
#02.....FOR JO
#03.....FOR JE,JO
#04.....FOR JE

4. HAND LIFTER COMPONENTS

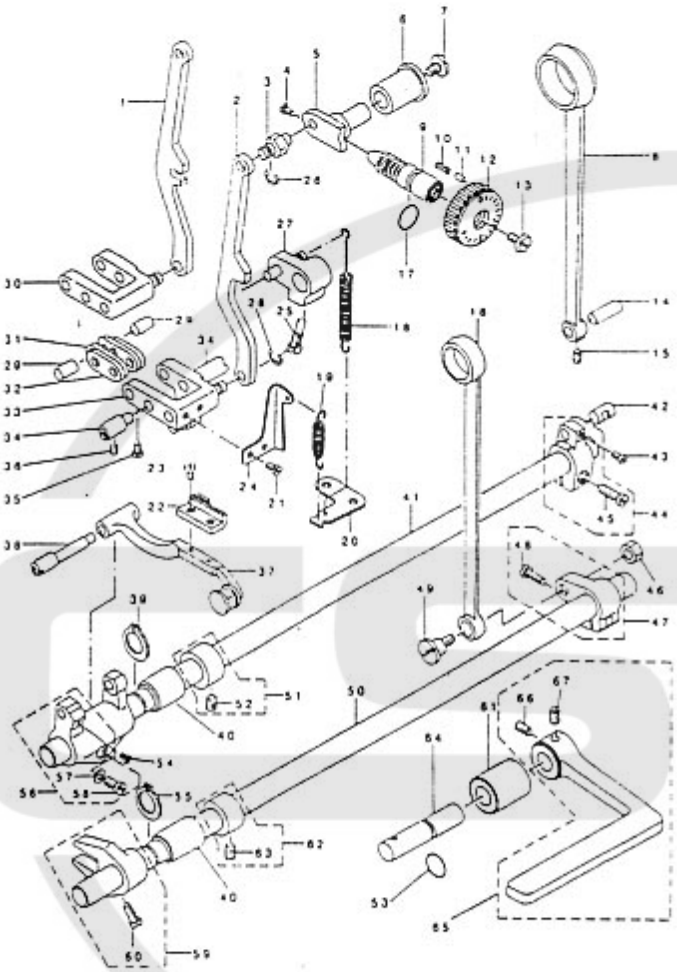


REF NO	NOTE	PART NO	DESCRIPTION	QTY
1		110-71800	HAND LIFTER	1
2		B1521-555-000	SCREW	1
3		RO-0371801-00	RUBBER RING	1
4		110-06756	HAND LIFTER CAM ASW.	1
5		113-01702	LINK SHAFT	1
6		NS-6620310-SP	NUT 3/16-32	2
7		110-06350	HAND LIFTER LINK	1
8		RE-0500000-K0	E-RING	1
9		110-06905	LIFTING LEVER CONNECTING ROD	1
10		110-07101	HINGE SCREW	1
11		SD-0720331-SP	HINGE SCREW D= 7.24 H= 3.3	1
12		SD-0600322-SD	HINGE SCREW D=6 H=3.2	1
13		112-05408	CONNECTING ROD	1
14		112-05309	LIFTING LEVER LINK	1
15		110-45408	WIRE HOLDER A	2
16		SS-7110720-SP	SCREW 11/64-40 L=7	1
17		CS-064061A-SP	THRUST COLLAR ASW.	1
18		SS-7090620-TP	SCREW 9/64-40 L=6.1	(2)
19		RE-0500000-K0	E-RING	1
20		113-01652	LIFTING LEVER ASW.	1
21		WP-0650876-SD	WASHER 6.5X13X0.8	1
22		110-71602	PRESSER SPRING REGULATOR	1
23		110-71701	NUT	1
24		B1510-227-000	PRESSER GUIDE BAR	1
25		B1505-227-000-A	PRESSER SPRING	1
26		SS-8660610-TP	SCREW 1/4-40 L=6	1
27		B1502-541-000	PRESSER BAR BUSHING, LOWER	1
28	#01	SS-7090710-SP	SCREW 9/64-40 L= 6.8	1
29	#03	B1524-530-DA0	PRESSER FOOT ASW.	1
30	#04	B1524-530-DB0	PRESSER FOOT ASW.	1
31		113-01355	NEEDLE BAR GUIDE BRACKET ASW.	1
32		113-01405	PIN	(1)
33		RE-0300000-K0	E-RING 3	(2)
34		113-06107	TENSION RELEASE PLATE SHAFT	1
35		113-55450	TENSION RELEASE LINK ASW.	1
36		RE-0300000-K0	E-RING 3	1
37		113-05901	SPRING	1
38		110-45705	WIRE HOLDER BRACKET (LOWER)	1
39	#02	SS-4150915-SP	SCREW 15/64-28 L=9	1
40		SD-0640261-SP	HINGE SCREW D=3.65 H=2.6	1
41		113-55609	TENSION RELEASE HOLDER	1
42		B1501-530-000	PRESSER BAR	1
43		113-55203	WIRE HOLDER BRACKET, UPPER	1
44		SS-4120615-SP	SCREW 3/16-28 L=6	1
45		SS-7110410-SP	SCREW 11/64-40 L=4	1
46		110-46000	WIRE CABLE HOLDER	1
47		SS-4120615-SP	SCREW 3/16-28 L=6	1
48	#05	SS-6090910-SP	SCREW 9/64-40 L=9	1

NOTE ▲

#01.....FOR DLW-5400N-7-00,-0B
#02.....FOR DLW-5400N-7-00,-W0
#03.....FOR DOMESTIC USE
#04.....FOR EXPORT
#05.....FOR DLW-5400N-7-W0,-WB

5. FEED MECHANISM COMPONENTS

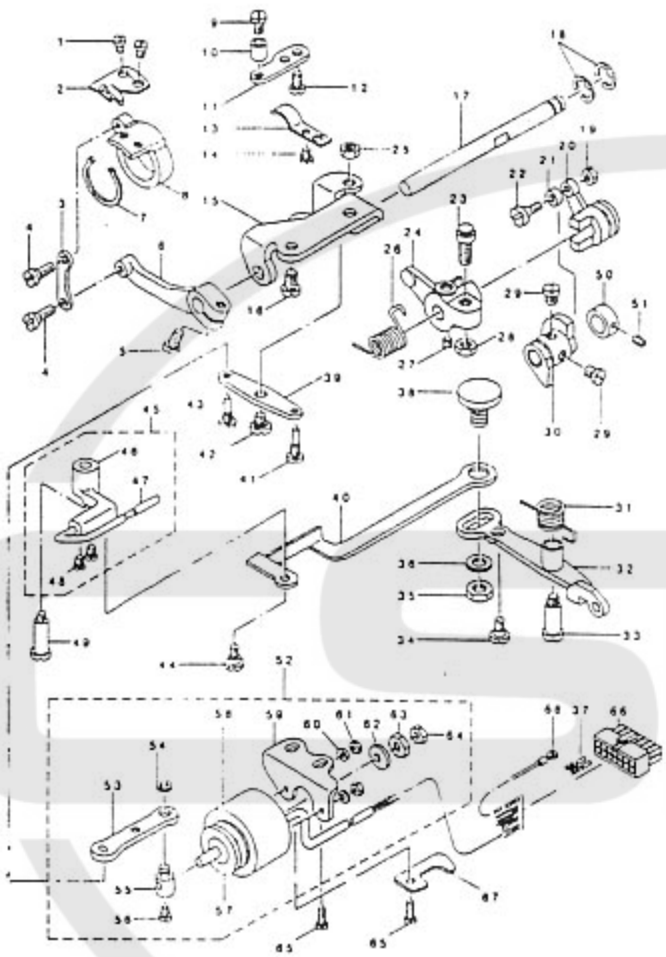


REF. NO.	NOTE	PART NO.	DESCRIPTION	Qty.
1	#01	110-09503	FEED REGULATOR CONNCTING ROD	1
2	#02	111-00401	FEED ADJUST ROD	1
3		110-09602	FEED REGULATOR PIN	1
4		SS-7090520-TP	SCREW 9/64-40 L=4.5	2
5		110-09701	FEED REGULATOR	1
6		110-11509	FEED REGULATOR BUSHING	1
7		SS-7120770-SH	SCREW 3/16-28 L=7	1
8		110-08208	ROCKER SHAFT CONNECTING ROD	1
9		110-09909	FEED REGULATOR SCREW	1
10		B1148-555-000	SPRING	1
11		110-52701	PIN	1
12		110-72006	FEED DIAL	1
13		SS-6121860-SP	SCREW 3/16-28 L=18	1
14		110-09206	WALKING FOOT PIN C	1
15		SS-6090620-SP	SCREW 9/64-40 L=6	1
16		110-14008	CONNECTING ROD	1
17		RO-0922702-00	RUBBER RING	1
18		110-10303	FEED REVERSE SPRING	1
19		110-37405	SPRING	1
20		110-11301	FEED SPRING HOOK	1
21		SS-7110510-SP	SCREW 11/64-40 L=5	2
22		B1613-522-N00-A	FEED DOG	1
23		SS-4080620-TP	SCREW 1/8-44 L=6	2
24		110-92301	ADGUSTING LINK SPRING GUIDE	1
25		110-10410	FEED REVERSE ARM SCREW	1
26		RE-0500000-K0	E-RING	1
27		110-10154	FEED REVERSE ARM ASM.	1
28		RE-0500000-K0	E-RING	1
29		110-09008	WALKING FOOT PIN A	2
30	#01	110-08455	WALKING FOOT ADJUSTING LINK	1
31		110-08703	WALKING FOOT LINK	2
32		110-08604	CONNECTING LINK A	2
33	#02	111-00252	FEED ADJUST LINK ASM.	1
34		110-08802	ADGUSTING LINK FULCRUM SHAFT A	2
35		SS-6090620-SP	SCREW 9/64-40 L=6	2
36		SS-6150710-SP	SCREW 15/64-28 L=7	2
37		110-37355	FEED BAR ASM.	1
38		110-37207	FEED BAR SHAFT	1
39		RC-0150001-KP	RETAINING RING 13.8	1
40		110-10907	FEED ROCKER SHAFT BUSHING	2
41		110-10806	FEED ROCKER SHAFT	1
42		110-09107	WALKING FOOT PIN B	1
43		SS-6090620-SP	SCREW 9/64-40 L=6	1
44		110-08356	FEED ROCKER SHAFT CRANK ASM.	1
45		SS-6121610-SP	SCREW 3/16-28 L=15.5	(1)
46		NS-6660410-SP	NUT 9/32-28	1
47		110-14156	REAR CRANK ASM.	1
48		SS-7121610-SP	SCREW 3/16-28 L=15.5	(1)
49		SD-1000801-SH	HINGE SCREW D=10 H=8	1
50		110-14206	FEED DRIVING SHAFT	1
51		CS-147128A-SH	THRUST COLLAR ASM.D=14.72 W=12	1
52		SS-8660610-TP	SCREW 1/4-40 L=6	(2)
53		RO-0781901-00	RUBBER RING	1
54		SS-7110740-TP	SCREW 11/64-40 L=7	1
55		RC-0150001-KP	RETAINING RING 13.8	1
56		110-37157	FEED BAR CRANK ASM.	1
57		WP-0480856-SP	WASHER 4.8X8.4X0.8	(1)
58		SS-7121410-TP	SCREW 3/16-28 L=14	(1)
59		110-14354	DRIVING SHAFT CRANK ASM.	1
60		SS-7111120-SP	SCREW 11/64-40 L=10.5	(1)
61		110-10709	FEED LEVER METAL	1
62		CS-147121A-SH	THRUST COLLAR ASM.D=14.72 W=12	1
63		SS-8660610-TP	SCREW 1/4-40 L=6	(2)
64		110-10518	FEED REVERSE SHAFT	1
65		110-72154	FEED LEVER ASM.	1
66		SS-8661030-SP	SCREW 1/4-40 L=10	(1)
67		SS-8661040-TP	SCREW 1/4-40 L=10	(1)

NOTE

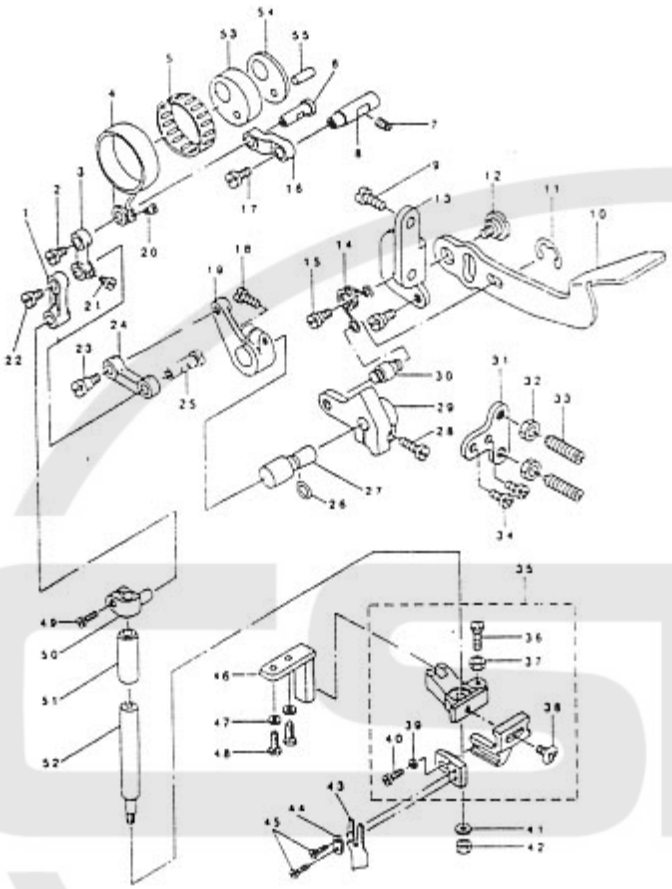
#01.....FOR DLM-5400N-7-00,-W0
#02.....FOR DLM-5400N-7-08,-W8

6. THREAD TRIMMER MECHANISM COMPONENTS



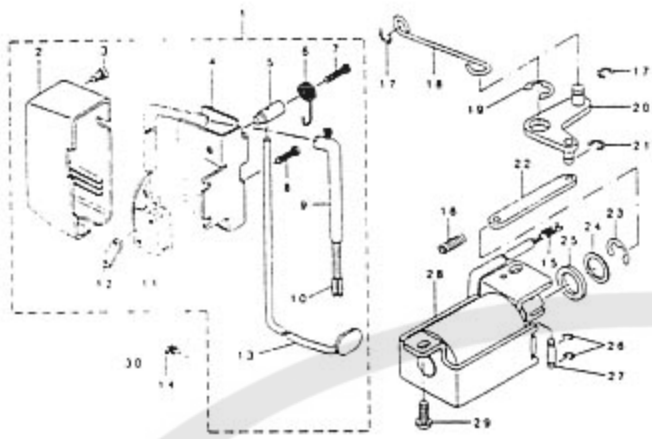
REF. NO.	NOTE	PART NO.	DESCRIPTION	Qty.
1		113-51806	SCREW	2
2		113-51400	MOVING KNIFE	1
3		113-52101	MOVING KNIFE LINK	1
4		SD-0500251-SP	HINGE SCREW D= 5 H= 2.5	2
5		SS-6121220-TP	SCREW 3/16-28 L=11.5	1
6		113-52200	KNIFE DRIVING	1
7		RC-2651218-KP	RETAINING RING	1
8		113-51905	MOVING KNIFE BASE	1
9		SS-8110710-SP	SCREW 11/64-40 L=6.5	1
10		113-54602	COLLAR	1
11		113-51608	KNIFE MOUNTING BASE	1
12		SS-4110715-SP	SCREW 11/64-40 L=7	2
13		113-51509	COUNTER KNIFE	1
14		SS-1090510-SP	SCREW 9/64-40 L=5	1
15		113-52408	BASE PLATE	1
16		SS-4150915-SP	SCREW 15/64-28 L=9	2
17		113-52309	KNIFE DRIVING SHAFT	1
18		RE-0600000-K0	E-RING 6	2
19		NS-6110310-SP	NUT 11/64-40	1
20		113-52606	SLIDE ARM	1
21		113-54404	DRIVING ROLLER	1
22		D2588-L8W-B00	ROLLER SHAFT	1
23		B1453-771-0A0	STOP SCREW ASM.	1
24		113-52507	KNIFE DRIVING ARM	1
25		NS-6150310-SP	NUT 15/64-28	1
26		113-53406	SPRING	1
27		SS-8660610-TP	SCREW 1/4-40 L=6	2
28		NS-6150430-SP	NUT 15/64-28	1
29		SS-6660610-TP	SCREW 1/4-40 L=6	2
30		113-53604	THREAD TRIMMER CAM	1
31		113-53505	SPRING	1
32		113-53059	CLUTCH LEVER ASM.	1
33		SD-0701511-TP	HING SCREW D=7 H=15.1	1
34		SD-0600361-SP	HINGE SCREW D=6 H=3.6	1
35		NS-6150430-SP	NUT 15/64-28	1
36		WP-0621016-SN	WASHER	1
37		HK-0346400-08	PIN CONTACT	2
38		110-42306	PICKER LINK PIN	1
39		113-52903	CLUTCH PLATE	1
40		113-54107	PICKER LINK	1
41		113-52705	SCREW PIN, A	1
42		SD-0640261-SP	HINGE SCREW D=3.65 H=2.6	1
43		113-52804	SCREW PIN, B	1
44		SD-0630275-SP	HINGE SCREW D= 6.35 H= 2.7	1
45		113-54057	PICKER ARM ASM.	1
46		113-54008	PICKER ARM	(1)
47		110-42652	THREAD TAKE-UP PICKER ASM.	(1)
48		SS-6090510-SP	SCREW 9/64-40 L=5	(2)
49		SD-0641452-TP	HINGE SCREW D=6.35 H=14.5	1
50		110-42900	CAM COLLAR	1
51		SS-8110520-TP	SCREW 11/64-40 L= 4.5	1
52		113-55054	SOLENOID UNIT	1
53		113-53307	CLUTCH LINK	(1)
54		RE-0500000-K0	E-RING	(1)
55		110-43007	SOLENOID PIN	(1)
56		SS-6110710-TP	SCREW 11/64-40 L= 6.5	(1)
57		110-43205	SOLENOID RUBBER A	(1)
58		110-43908	THREAD TRIMMER SOLENOID	(1)
59		110-43403	SOLENOID BASE	(1)
60		WP-0450000-SD	WASHER 4.5X8X0.5	(2)
61		NK-6040000-SN	NUT K4	(2)
62		110-43304	SOLENOID RUBBER	(1)
63		NS-6660410-SH	NUT	(1)
64		NS-6660430-SP	NUT 1/4-40	(1)
65		SS-4151215-SP	SCREW 15/64-28 L=12	2
66		HK-0346101-40	HOUSING 14P	1
67		110-21706	TUBE HOLDER (LOWER)	1
68		110-44054	GROUND WIRE ASM.	1

7. KNIFE COMPONENTS



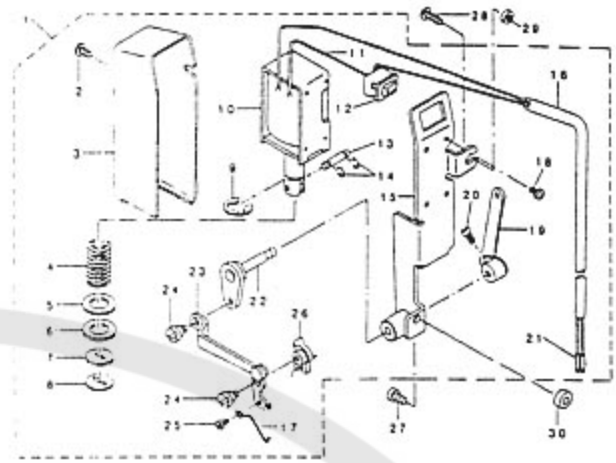
REF. NO.	NOTE	PART NO.	DESCRIPTION	Qty.
1		113-57407	KNIFE DRIVING ROD, B	1
2		SS-7110830-SP	SCREW 11/64-40 L= 7.5	1
3		113-57308	KNIFE DRIVING ROD, A	1
4		113-56904	KNIFE DRIVING ROD	1
5	#01	B4123-522-00A	NEEDLE BEARING	1
6		113-57209	PIN	1
7		SS-8151150-TP	SCREW 15/64-28 L=10.5	1
8		113-57001	ROD LINK SHAFT	1
9		SS-4150915-SP	SCREW 15/64-28 L=9	2
10		113-58207	KNIFE LEVER	1
11		RE-0500000-K0	E-RING	1
12		SD-0920321-SP	HINGE SCREW D= 9.20 H= 3.2	1
13		113-58108	KNIFE LEVER BASE	1
14		B4126-530-000	SPRING	1
15		SD-0790431-SP	HINGE SCREW D= 7.94 H= 4.3	1
16		113-57100	KNIFE DRIVING ROD LINK	1
17		SS-7110830-SP	SCREW 11/64-40 L= 7.5	1
18		SS-6121220-TP	SCREW 3/16-28 L=11.5	1
19		113-57704	LINK SUPPORT ARM	1
20		SS-7090520-TP	SCREW 9/64-40 L= 4.5	1
21		SS-7090520-TP	SCREW 9/64-40 L= 4.5	1
22		SS-7110830-SP	SCREW 11/64-40 L= 7.5	1
23		SD-0640604-TP	HING SCREW D=6.35 H=6	1
24		113-57506	KNIFE DRIVING LINK	1
25		113-57209	PIN	1
26		R0-0481901-00	RUBBER RING	1
27		113-57803	KNIFE SET LEVER SHAFT	1
28		SS-6121220-TP	SCREW 3/16-28 L=11.5	1
29		113-57902	KNIFE SET LEVER BASE	1
30		B4124-530-000	SET LEVER PIN	1
31		113-58306	KNIFE LEVER STOPPER	1
32		NS-6150310-SP	NUT 15/64-28	2
33		SS-8152080-SP	SCREW 15/64-28 L=19.5	2
34		SS-4120915-SP	SCREW 3/16-28 L=9 *	2
35		B4117-530-0A0	KNIFE MOUNTING BASE ASM.	1
36		SS-9121410-TP	SCREW 3/16-28 L=14	(1)
37		NS-6120310-SP	NUT 3/16-28	(1)
38		SS-6110810-TP	SCREW 11/64-40 L=8	(1)
39		WP-0371026-SD	WASHER 3.7X7X1	(1)
40		SS-6090910-SP	SCREW 9/64-40 L=9	(1)
41		WP-0501016-SD	WASHER 5X10.5X1	1
42		NS-6120480-SP	NUT 3/16-28	1
43			KNIFE	1
44		B4122-522-000	WASHER	1
45		SS-4080610-SP	SCREW 1/8-44 L=6.4	2
46		B4120-530-000	KNIFE MOUNTING BASE GUIDE	1
47		WP-0480856-SP	WASHER 4.8X8.4X0.8	2
48		SS-9120910-TP	SCREW 3/16-28 L=9	2
49		SS-6090810-TP	SCREW 9/64-40 L=7.5	1
50		B4115-530-000	KNIFE DRIVING STUD CONNECTION	1
51		B4116-530-000	BUSHING	1
52		B4114-530-000	KNIFE DRIVING STUD	1
53		B4101-531-000	KNIFE MOUNTING BASE ASM.	1
54		B4132-522-000-A	THRUST PLATE	1
55		B4107-522-000	PIN	1

8. AUTOMATIC REVERSE FEED COMPONENTS (FOR DLM-5400N-7-0B,-WB)



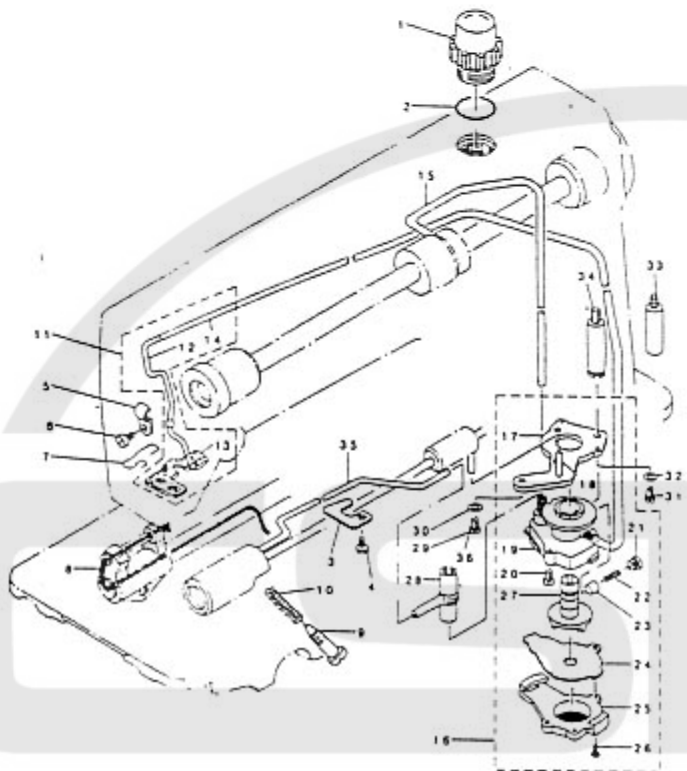
REF.NO	NOTE	PART NO.	DESCRIPTION	Qty
1		113-62357	REVERSE FEED SWITCH ASM.	1
2		110-72501	REVERSE FEED SWITCH COVER	(1)
3		SS-4110615-SP	SCREW 11/64-40 L=6	(1)
4		111-02001	REVERSE FEED SWITCH BASE	(1)
5		111-02100	REVERSE FEED SWITCH SHAFT	(1)
6		111-02109	REVERSE FEED SWITCH SPRING	(1)
7		SS-4111815-SP	SCREW 11/64 L=18	(1)
8		SW-4031501-SC	SCREW M3 L=15	(2)
9		HW-5000700-00	2-CORE CABTYRE CORD	(1.31)
10		HX-0346400-08	PIN CONTACT	(2)
11		HA-0019000-00	MICROSWITCH	(1)
12		111-02308	MICRO SWITCH PLATE	(1)
13		113-64700	REVERSE FEED SWITCH LEVER	(1)
14	#01	SS-4120615-SP	SCREW 3/16-28 L=6	1
15		HX-0346400-08	PIN CONTACT	2
16		112-17601	WALKING FOOT SPRING	1
17		RE-0500000-KP	E-RING 5	2
18		111-01300	REVERSE FEED CONNECTING SHAFT	1
19		RE-0900000-K0	E-RING 9	1
20		111-01151	CONNECTING ARM ASM.	1
21		RE-0400000-KP	E-RING 4	1
22		111-01417	REVERSE FEED CONNECTING LINK	1
23		RE-1200000-K0	E-RING 12	1
24		WP-1601616-SZ	WASHER 16X24X2.6	1
25		02468-555-B00	RUBBER PLUNGER	1
26		RE-0400000-K0	E-RING 4	2
27		111-01003	PLUNGER ARM PIN	1
28		111-02753	REVERSE FEED MAGNET ASM.	1
29		SS-4151215-SP	SCREW 15/64-28 L=12	2
30		SS-4120915-SP	SCREW 3/16-28 L=9	1
		NOTE	#01.....FOR DLM-5400N,7-0B	

9. WIPER COMPONENTS (FOR DLM-5400N-7-W0,-WB)



REF.NO	NOTE	PART NO.	DESCRIPTION	Qty
1		113-62456	WIPER ASM.	1
2		SL-4030621-SS	SCREW M3	(1)
3		112-58001	WIPER COVER	(1)
4		112-33400	SPRING	(1)
5		WP-1221016-SP	WASHER	(1)
6		112-34408	SOLENOID RUBBER	(1)
7		112-33301	STOPPER RUBBER	(1)
8		112-34606	STOPPER RUBBER WASHER	(1)
9		RE-0900000-K0	E-RING 9	(1)
10		112-33201	WIPER SOLENOID	(1)
11		HW-2003900-00	ELECTRIC WIRE	(0.05)
12		HA-0005900-00	POWER SWITCH	(1)
13		112-34507	PLUNGER CONNECTING PIN	(1)
14		RE-0300000-K0	E-RING 3	(3)
15		112-33053	WIPER INSTALLING BASE ASM.	(1)
16		HW-5000700-00	2-CORE CABTYRE CORD	(1.33)
17		113-59700	WIPER	(1)
18		SL-4030641-SE	SCREW M3 L=6	(4)
19		112-33251	WIPER LEVER B ASM.	(1)
20		SS-6110710-TP	SCREW 11/64-40 L= 6.5	(2)
21		HX-0346400-08	PIN CONTACT	(2)
22		113-60153	WIPER LEVER ASM. A	(1)
23		113-59957	WIPER ARM ASM.	(1)
24		SD-0550212-TP	HINGE SCREW D=5.5 H=2.1	(2)
25		SS-7090410-SP	SCREW 9/64-40 L= 3.5	(1)
26		113-59809	WIPER BASE	(1)
27		SS-4121415-SP	SCREW 3/16-28 L=14	1
28		SS-4120915-SP	SCREW 3/16-28 L=9	1
29	#01	WP-0482086-SD	WASHER 4.8X11.5X2	1
30		135-22206	COLLAR	1
		NOTE	#01.....FOR DLM-5400N-7-W0	

10. OIL LUBRICATION COMPONENTS



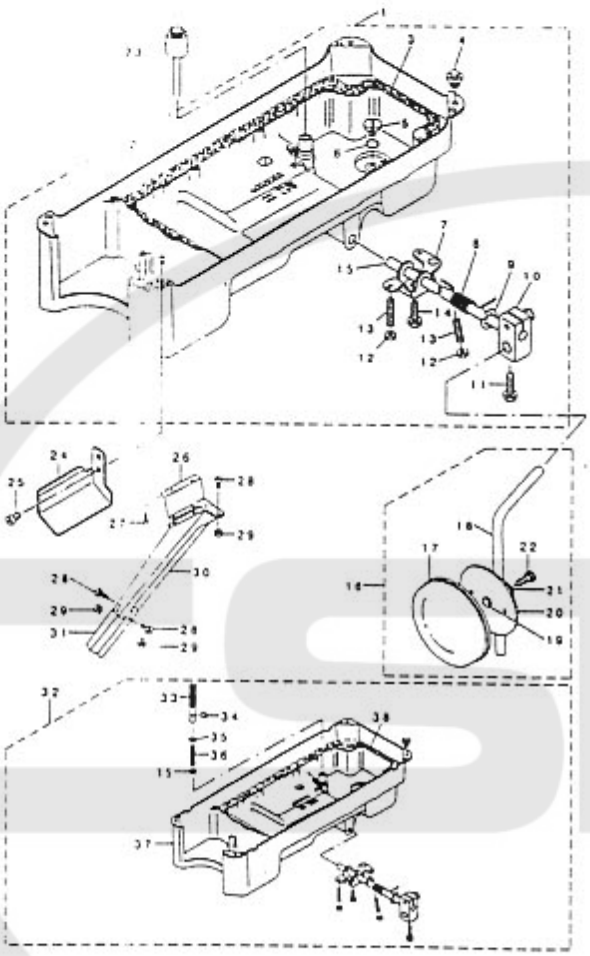
REF. NO.	NOTE	PART NO.	DESCRIPTION	Qty.
1		110-46604	OIL SIGHT WINDOW	1
2		RD-1952401-00	RUBBER RING	1
3		110-21706	TUBE HOLDER (LOWER)	1
4		SS-4150915-SP	SCREW 15/64-28 L=9	1
5		83538-112-000	OIL RETURN TUBE HOLDER	1
6		SS-4120615-SP	SCREW 3/16-28 L=6	1
7		113-56201	OIL FELT PRESSER	1
8		CQ-2520000-00	OIL WICK	0.21
9		83514-412-000	OIL ADJUSTING SCREW	1
10		82616-372-000	SPRING	1
11		113-55955	OIL RETURN TUBE ASW.	1
12		113-55906	OIL RETURN TUBE	(1)
13		113-56052	OIL FELT ASW.	(1)
14		BT-0500300-EA	OIL TUBE	(0.52)
15		110-21201	MAIN SHAFT OIL TUBE	1
16		110-20054	LUBRICATING OIL PUMP ASW.	1
17		110-20302	OIL PUMP INSTALLING BASE	(1)
18		110-20906	HOOK DRIVING SHAFT OIL TUBE	(1)
19		110-20005	OIL PUMP	(1)
20		SL-4030851-SF	SCREW M3 L=8	(3)
21		110-20500	PLUNGER SCREW	(1)
22		110-20609	PLUNGER SPRING	(1)
23		110-20401	PLUNGER	(1)
24		110-20507	OIL PUMP IMPELLER COVER	(1)
25		110-20203	LUBRICATING OIL PUMP COVER	(1)
26		SE-4301041-SR	SCREW D=3 L=10	(3)
27		110-20708	OIL PUMP IMPELLER	(1)
28		110-21409	RUBBER JOINT	1
29	#02	SS-4151215-SP	SCREW 15/64-28 L=12	1
30	#02	WS-0651310-XP	SPRING WASHER 6.5X11X1.3	1
31		SS-6111010-TP	SCREW 11/64-40 L= 9.5	1
32	#02	WS-0451040-XP	SPRING WASHER 4.5X8.5X1	1
33	#01	113-92107	OIL PUMP SUPPORT	1
34	#02	111-00609	OIL PUMP SUPPORT	1
35		110-21300	OIL TUBE	1
36	#01	SS-4150915-SP	SCREW 15/64-28 L=9	1

NOTE (注記)

#01.....FOR DLW-5400N-7-00,-W0

#02.....FOR DLW-5400N-7-08,-WB

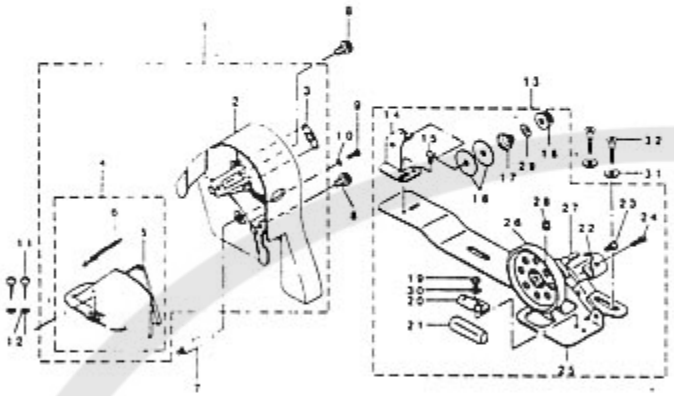
11. OIL RESERVOIR COMPONENTS



REF. NO.	NOTE	PART NO.	DESCRIPTION	Qty.
1		113-60757	OIL RESERVOIR ASM.	1
2		113-60708	OIL RESERVOIR	(1)
3		110-23108	GASKET	(1)
4		110-47107	RUBBER CUSHION	(4)
5		SS-6700710-SH	SCREW 5/16-24 L=7	(1)
6		RO-0982401-00	RUBBER RING	(1)
7		110-24015	CONNECTING ROD, VERTICAL	(1)
8		110-24106	SPRING	(1)
9		RE-1000000-K0	E-RING 10	(1)
10		110-24510	BRACKET	(1)
11		SW-9062053-SR	SCREW	(2)
12		NW-6060001-SE	NUT M6	(2)
13		SW-8063012-TR	SCREW M6 L=30	(2)
14		SW-9061853-SR	SCREW M6 L=17.5	(1)
15		110-24205	KNEE PRESS ROD	(1)
16		110-23751	KNEE PRESS PLATE ASM.	1
17		B3431-552-000-A	KNEE PRESS PLATE COVER	(1)
18		B3419-122-000	KNEE LIFTER PLATE ROD	(1)
19		110-24403	RUBBER	(1)
20		110-23702	KNEE PRESS PLATE	(1)
21		110-23801	KNEE PRESS PLATE HOLDER	(1)
22		SW-9061203-SE	SCREW M6 L=12	(1)
23		110-24304	KNEE PRESS LIFTER ROD	1
24		113-61003	OIL PUSH GUIDE	1
25		SS-4110715-SP	SCREW 11/64-40 L=7	2
26		113-64403	WASTE MATERIAL CHUTE HOLDER	1
27		SR-3412000-SC	WOOD SCREW D=4.1 L=20	3
28		SS-7090710-SP	SCREW 9/64-40 L= 6.8	8
29		NS-6090310-SP	NUT 9/64-40	8
30		113-64502	WASTE MATERIAL CHUTE, LARGE	1
31		113-64601	WASTE MATERIAL CHUTE, SMALL	1
32	#01	113-69451	OIL RESERVOIR ASM.	1
33	#01	GAK-30001080	KNEE PRESS LIFTER ROD ASM.	(1)
34	#01	RE-0400000-K0	E-SHAPED SNAP RING (4MM)	(1)
35	#01	WP-0621016-SD	WASHER 6.2X13X1	(2)
36	#01	GAK-30005000	SPRING	(1)
37	#01	113-69402	OIL RESERVOIR	(1)
38	#01	111-41702	GASKET	(1)

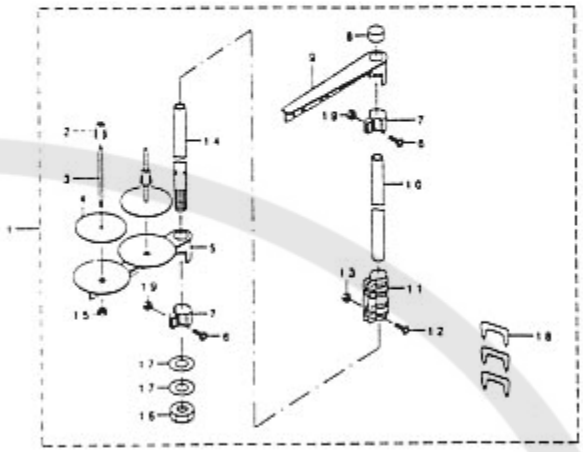
NOTE #01.....FOR JE

12. BELT COVER & BOBBIN WINDER COMPONENTS



REF. NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		110-76650	BELT COVER ASM. (URBANE GREY)	1
2		110-76601	BELT COVER A	(1)
3		110-76700	BELT COVER A CAP	(1)
4		110-76858	BELT COVER B ASM.	(1)
5		110-76809	BELT COVER B	(1)
6		110-76957	BELT COVER B CAP ASM.	(1)
7		110-23504	BELT COVER SUPPORT, A	1
8		110-25202	BELT COVER A SCREW	2
9		SS-4121415-SP	SCREW 3/16-28 L=14	1
10		WP-0501016-SD	WASHER 5X10.5X1	1
11		SK-3412000-SC	WOOD SCREW D=4.1 L=20	2
12		WP-0450826-SC	WASHER 4.5X10X0.8	2
13		114-15866	BOBBIN WINDER COMPL	1
14		110-78250	THREAD TENSION BRACKET ASM.	(1)
15		SS-7110840-SP	SCREW 11/64-40 L=7.8	(1)
16		83126-012-000	THREAD TENSION DISK	(2)
17		83129-012-300	THREAD TENSION SPRING	(1)
18		110-72204	TENSION NUT	(1)
19		SS-4110515-SP	SCREW 11/64-40 L=5	(1)
20		110-78102	PRESSER PLATE	(1)
21		83211-555-000	RUBBER BRAKE	(1)
22		114-15908	POSITIONING FINGER	(1)
23		SD-0490261-SP	HINGE SCREW D=4.9 H=2.6	(1)
24		SS-7083310-SP	SCREW 1/8-44 L=12.5	(1)
25		110-77500	BOBBIN BASE	(1)
26		110-77609	BOBBIN PULLEY	(1)
27		83204-555-000	BOBBIN WINDER POST	(1)
28		SS-8110510-SP	SCREW 11/64-40 L=5	(1)
29		WP-0651001-SB	WASHER	(1)
30		WP-0480856-SP	WASHER 4.8X8.4X0.8	(1)
31		WP-0450826-SC	WASHER 4.5X10X0.8	2
32		SK-3412000-SC	WOOD SCREW D=4.1 L=20	2

13. THREAD STAND COMPONENTS



REF. NO.	NOTE	PART NO.	DESCRIPTION	Qty
1		111-85055	THREAD STAND ASM.	1
2		111-85501	SPOOL RETAINER	(2)
3		83320-704-L00-A	SPOOL PIN	(2)
4		83311-012-000	SPOOL REST CUSHION	(2)
5		111-85006	SPOOL REST ARM	(1)
6		SW-4051405-SE	SCREW M5 L=14	(2)
7		111-85402	THREAD GUIDE ARM JOINT	(2)
8		83311-704-000	SPOOL REST ROD CAP	(1)
9		111-85352	THREAD GUIDE ASM.	(1)
10		111-85204	SPOOL REST ROD,UPPER	(1)
11		83305-704-000-A	SPOOL REST ROD JOINT	(1)
12		SW-4051405-SE	SCREW M5 L=14	(2)
13		NW-6050001-SE	NUT M5	(2)
14		111-85105	SPOOL REST ROD,LOWER	(1)
15		NW-6050001-SE	NUT M5	(2)
16		83317-704-000	NUT	(1)
17		WP-1612616-SE	WASHER 16X30X2.6	(2)
18		MA0-11532000	CORD STAPLE	(3)
19		NW-6050001-SE	NUT M5	(2)

14. TABLE OF EXCHANGING GAUGE PARTS

Specifications of the sub-gauge サブゲージ仕様	Gauge of stitch ステッチゲージ	1 Throat plate 針板	2 Throat plate spacer(Rear) accessory 針板主(後) *付属品	3 Gauge ゲージ	4 Throat plate chip guard 針板巻糸カバー	5 Throat plate chip guard accessory 針板巻糸ガイド *付属品	6 Chip guard 巻糸ガイド	7 Presser foot (Rear) (for separate use) 自由押え (後内用)	8 Presser foot (Left hand type) 自由押え (左ガード付)	9 Feed dog 送り歯	10 Knife メス	Type 仕様	Note 備考
CA	5/64" (2.0mm)	11346004	[illegible]	[illegible]	11346905	11347002	11346400	[illegible]	[illegible]	[illegible]	[illegible]	Spare parts type SSA-168	Cut-off bar knife type Bカタイプ
C	3/32" (2.4mm)	11346004	[illegible]	[illegible]	11346905	11347002	11346400	[illegible]	[illegible]	[illegible]	[illegible]	Special type S S S S	
D	1/8" (3.2mm)	11346004	[illegible]	[illegible]	11346905	11347002	11346400	[illegible]	[illegible]	[illegible]	[illegible]	Standard type S S S S	Required with the machine as an accessory when the gauge exceeds 10mm on Cat-off bar knife type for JA, JE, JH and TP. Y-V86mm用2466C相当品 (JA, JE, JH, TP型)
E	5/32" (4.0mm)	11346004	[illegible]	[illegible]	11346905	11347002	11346400	[illegible]	[illegible]	[illegible]	[illegible]	Special type S S S S	
EA	5/32" (4.0mm)	11346004	[illegible]	11367753	11346905	11347002	11346400	[illegible]	[illegible]	[illegible]	[illegible]	Spare parts type SSA-168	For pattern seams パターン縫用
F	3/16" (4.8mm)	11346004	[illegible]	[illegible]	11346905	11347002	11346400	[illegible]	[illegible]	[illegible]	[illegible]	Special type S S S S	
FA	3/16" (4.8mm)	11346004	[illegible]	[illegible]	11346905	11347002	11346400	[illegible]	[illegible]	[illegible]	[illegible]	Spare parts type SSA-168	Cut-off bar knife type Bカタイプ
FB	3/16" (4.8mm)	11346004	[illegible]	[illegible]	11346905	11347002	11346400	[illegible]	[illegible]	[illegible]	[illegible]	Spare parts type SSA-168	As removed when disconnected, the needle hole of which diameter is set to 6.4 to 7.1mm
G	27/128" (5.3mm)	11346004	[illegible]	[illegible]	11347101	11347200	11346400	[illegible]	[illegible]	[illegible]	[illegible]	Spare parts type SSA-168	
H	1/4" (6.4mm)	11346004	[illegible]	[illegible]	11347101	11347200	11346509	[illegible]	[illegible]	[illegible]	[illegible]	Special type S S S S	Required with the machine as an accessory when the gauge exceeds 10mm on Cat-off bar knife type for JA, JE, JH and TP. Y-V86mm用2466C相当品 (JA, JE, JH, TP型)
HA	1/4" (6.4mm)	11346004	[illegible]	[illegible]	11347101	11347200	11346509	[illegible]	[illegible]	[illegible]	[illegible]	Spare parts type SSA-168	For processing material from being caught by the trimmed face cap [illegible]
K	5/16" (7.9mm)	11346004	[illegible]	[illegible]	11347101	11347200	11346509	[illegible]	[illegible]	[illegible]	[illegible]	Spare parts type SSA-168	
M	3/8" (9.5mm)	11346004	[illegible]	[illegible]	11347309	11347408	11346509	[illegible]	[illegible]	[illegible]	[illegible]	Special type S S S S	
MA	3/8" (9.5mm)	11346004	[illegible]	[illegible]	11347308	11347408	11346509	[illegible]	[illegible]	[illegible]	[illegible]	Spare parts type SSA-168	As removed when disconnected, the feed amount of the feed dog is reduced.
P	27/64" (11.1mm)	11346004	[illegible]	[illegible]	11347308	11347408	11346608	[illegible]	[illegible]	[illegible]	[illegible]	Spare parts type SSA-168	[illegible]

Caution] One piece of knife is supplied with the machine as an accessory with the exception of JA, JH and TP.

[illegible] JJG, JA, JH, TP型のみ1個付属致します。

Efka
FRANKL & KIRCHNER GMBH & CO KG
SCHEFFELSTRASSE 73 · D 68723 SCHWETZINGEN
TEL : (06202)2020 · TELEFAX: (06202)202115
email: info@efka.germany.net · http://www.efka.germany.net

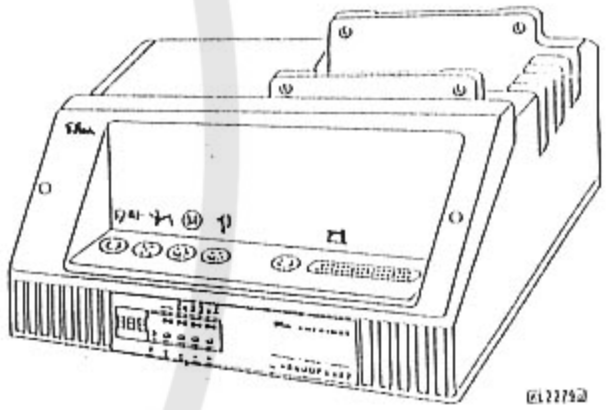
Efka
OF AMERICA INC.
3315 NORTHCREST ROAD · SUITE 10 · ATLANTA · GEORGIA 30340
PHONE: (770)457-7006 · TELEFAX: (770)458-3899 · email: efkausa@aol.com

Efka
ELECTRONIC MOTORS SINGAPORE PTE. LTD.
67, AYER RAJAH CRESCENT 05-03 · SINGAPORE 139950
PHONE: 7772459 · TELEFAX: 7713048 · email: efkas@cyberway.com.sg

1111-000998 A(402252EN)

Efka euramot

CONTROL AB60D1467



INSTRUCTION MANUAL

No. 402252 english

Efka FRANKL & KIRCHNER GMBH & CO KG · Efka OF AMERICA INC. · Efka EFKA ELECTRONIC MOTORS SINGAPORE PTE. LTD.

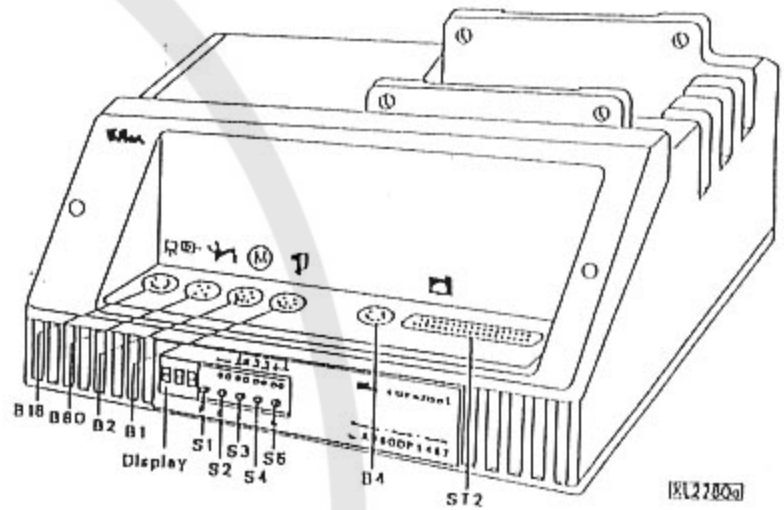
For your notes:

For your notes:

Contents

	Page
1. Important Safety Instructions	1
2. Range of Applications	2
2.1 Use in Accordance with Regulations	3
3. Complete Drive Unit Consisting of	3
3.1 Special Accessories	3
4. Operating the Control without Potentiometer	5
4.1 Access to Programming on Command Input	5
4.2 Programming the Code Number	5
4.3 Selection of the Parameters	6
4.3.1 Direct Selection	6
4.3.2 Changing Parameter Values	7
4.3.3 Selection by Using the +/- Pushbuttons	8
4.4 Changing All Parameter Values of the Operator Level	9
4.5 Switchable Functions	9
4.6 Direct Input of Maximum Speed Limitation (DES)	10
4.7 Program Identifications on the Control	10
5. Starting Service	11
6. Setting the Basic Functions	11
6.1 Direction of Rotation of the Motor	11
6.2 Selection of the Functional Sequences (Thread Trimming Operation)	11
6.3 Functions of the Pushbuttons Inputs in1, in2 and in3	11
6.4 Positioning Speed	13
6.5 Maximum Speed Compatible with the Sewing Machine	13
6.6 Maximum Speed	13
6.7 Positions	15
6.8 Display of the Signal and Stop Positions	16
6.9 Braking Behavior	17
6.10 Braking Power at Standstill	17
6.11 Start Behavior	17
6.12 Supply Voltage 5V and/or 15V	17
7. Functions	18
7.1 First Stitch After Power On	18
7.2 Softstart	18
7.2.1 Softstart Speed	18
7.2.2 Softstart Stitches	19
7.3 Presser Foot Lifting	20
7.4 Intermediate Backtack	20
7.5 Signal "Machine Running"	21
7.6 Reverse	21
7.7 Unlocking the Chain (Mode 415/617)	22
7.8 Blocking of Machine Run (Safety Switch)	22
7.9 High Lift For Walking Foot / Flip Flop 1	23
7.9.1 Signal "High Lift for Walking Foot"	23
7.9.2 High Lift Walking Speed	23
7.9.3 High Lift Walking Speed Run Out Time	23
7.9.4 High Lift Walking Stitches	24
7.9.5 High Lift for Walking Foot Operation Mode Not Stored (Parameter 240/241/242 = 13)	24
7.9.6 High Lift for Walking Foot Operation Mode Stored/Flip Flop 1 (Parameter 240/241/242 = 14)	

10. Operating Elements and Socket Connectors on the Control



B1 - Position transmitter
B2 - Commutation transmitter for d.c. motor
B4 - Inputs for pushbuttons
B10 - Light barrier module
B80 - Actuator
ST2 - Inputs and outputs for solenoids / solenoid valves / displays / pushbuttons and switches

S1..S5 - Pushbuttons for programming and selection of functions
Display - 3 digits

9. Error Messages

General Information	
On the control	Signification
A1	Pedal not in neutral position, when switching the machine on (according to setting of parameter 233)
A2	Blocking of machine run (safety switch)
A3	Bobbin thread monitor
A8	Light barrier control

Programming Functions and Values (Parameters)	
On the control	Signification
Returns to the first digit	Wrong code number or parameter number input

Serious Situation	
On the control	Signification
E1	After power On: position transmitter or commutation transmitter defective or connecting cables have been changed by mistake. During machine run or after a sewing operation, only position transmitter defects can be identified.
E2	Line voltage too low, or time between power off and power on too short
E3	Machine locks or does not reach the desired speed
E4	Control disturbed by deficient grounding or loose contact

Hardware Disturbance	
On the control	Signification
H1	Commutation transmitter cord or frequency converter disturbed
H2	Processor disturbed

7.10 Speed Limitation n9 21
7.11 Bobbin Thread Monitor 21
7.12 Thread Trimming Operation 23
7.12.1 Lockstitch Thread Trimmer (Modes 0 ... 3, 10, 11 and 11) 23
7.12.1.1 Trimming Speed 25
7.12.2 Chainstitch Thread Trimmer (Modes 4, 5 and 6) 26
7.12.2.1 Trimming Signal Times 26
7.13 Functions for Overlock Machines (Mode 7) 26
7.13.1 Signal Chain Suction 26
7.13.2 Start and End Countings 26
7.14 Function of the Output Signal h13 27
7.15 Tape Cutter (Mode 6/7) 28
7.15.1 Functions Tape Cutter 28
7.15.2 Times for Tape Cutter/Fast Scissors 28
7.16 Manual Tape Cutter/Fast Scissors 28
7.17 Functions for Backlatch Machines (Mode 8/9) 29
7.18 Seam with Stitch Counting 29
7.18.1 Stitches for Stitch Counting 29
7.18.2 Stitch Counting Speed 29
7.18.3 Seams with Stitch Counting When Light Barrier Is On 29
7.19 Free Seam and Seams with Light Barrier 30
7.20 Light Barrier 30
7.20.1 Speed after Light Barrier Sensing 30
7.20.2 General Light Barrier Functions 30
7.20.3 Reflection Light Barrier 31
7.20.4 Light Barrier Control 31
7.20.5 Automatic Seam by Light Barrier 31
7.20.6 Light Barrier Filter for Knitted Fabrics 32
7.20.7 Functional Variations of the Light Barrier Input 32
7.21 Switching Functions of the Inputs in1, in3 and in4 32
7.22 Speed Limitation with External Potentiometer 33
7.23 Function Error Message A1 On/Off 34
7.24 Signal Output Position 1 34
7.25 Signal Output Position 2 34
7.26 Signal Output - 120 Impulses/Rotation 34
7.27 Actuator 35
7.28 Master Reset 35

8. Signal Test 36
8.1 Signal Test Using the Incorporated Control Panel 37

9. Error Messages 37

10. Operating Elements and Socket Connections on the Control 38

8. Signal Test

Functions	Parameter
Test of inputs and outputs	173

Function test of the external inputs and the transistor power outputs with the actuators connected to them (e.g. solenoids and solenoid valves).

8.1 Signal Test Using the Incorporated Control Panel

Output test:

- Address parameter 173
- Select the desired output by the +/- pushbuttons
- Actuate the selected output by pushbutton > > on the incorporated control panel

Pushbutton	Output	
ON/OFF	Input test	
01	Free	on socket ST2/34
02	Presser foot lifting	on socket ST2/35
03	Output M1	on socket ST2/37
04	Output M3	on socket ST2/27
05	Output M2	on socket ST2/28
06	Free	
07	Output ML	on socket ST2/32

Input test:

- Press the (-) pushbutton several times until "OFF" or "ON" appears on the control display.
- Actuation of the external switches or pushbuttons will be indicated by alternating the switching state (ON/OFF) on the display.
- Several switches must not be closed at the same time.