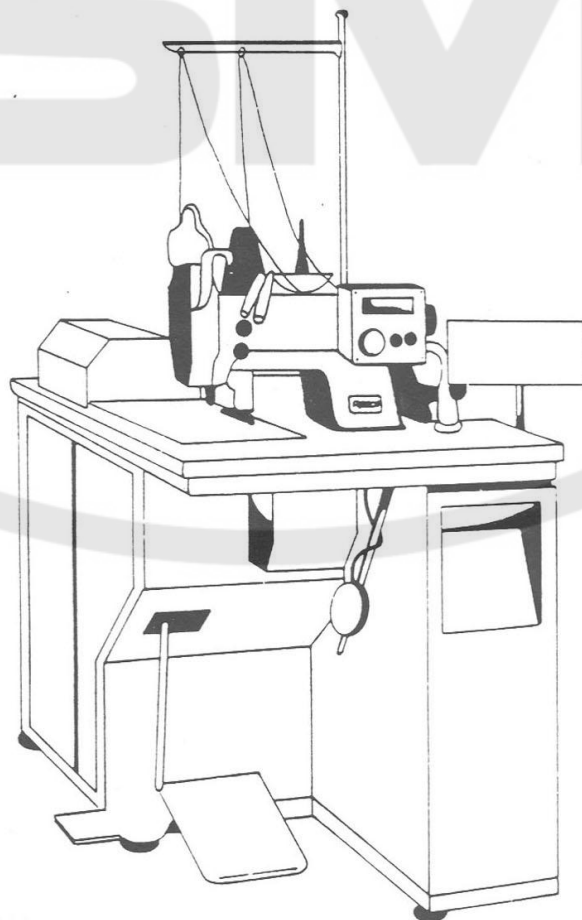


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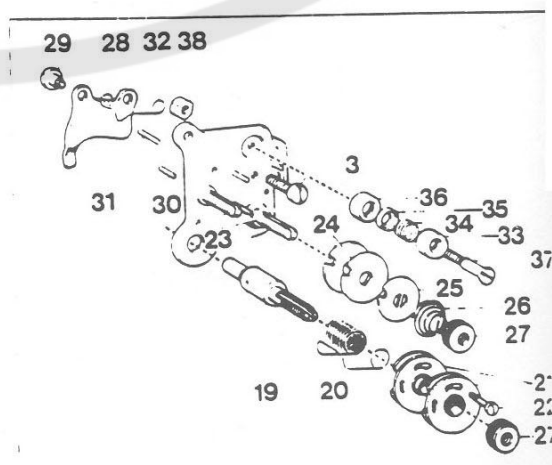
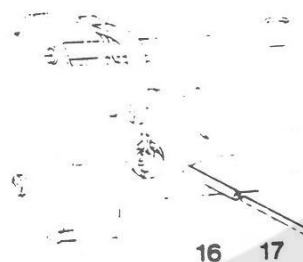
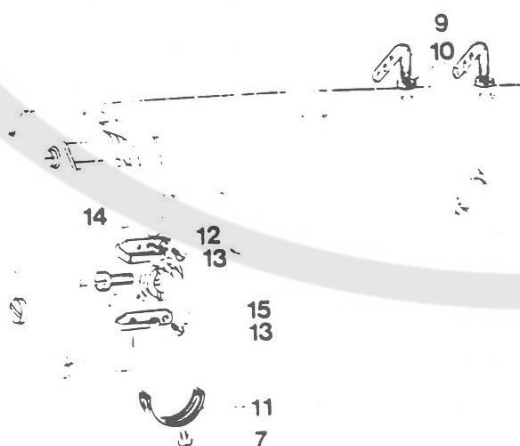
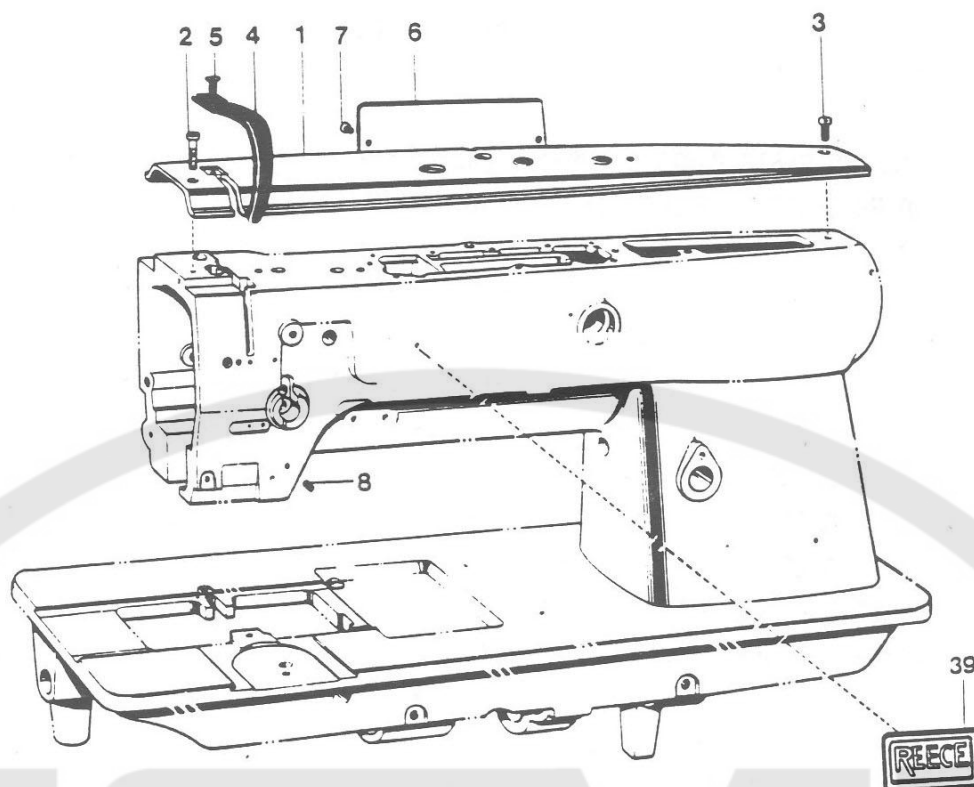


Illustrated Parts Manual

CONTENTS

	Page
MACHINE BASIC PARTS & THREAD TENSION	1
UPPER SHAFT & NEEDLE BAR ROCKING MECHANISM	2
ROTARY HOOK	3
LOWER SHAFT	4
LUBRICATION COMPONENTS	5
THREAD STAND, BOBBIN WINDER, BELT COVER	6
THREAD MONITOR	7
PATCH GUIDE MECHANISM	8
PHOTO OPTICS, TENSION RELEASE, LOCATING LIGHT, HINGE PARTS	9
FRAME & COVERS	10
TABLE TOP & ASSOCIATE PARTS	11
UPPER & LOWER THREAD TRIMMING PARTS	12
CENTER KNIFE ASSEMBLY	13
TAB KNIFE SUPPORT PARTS	14
TAB KNIFE DRIVE PARTS	15
CARRIAGE ASSEMBLY	16
CLAMPING & FOLDING PARTS	17
CARRIAGE DRIVE COMPONENTS	18
FOOT TREADLE ASSOCIATE PARTS	19
CONTROL PANELS, KNEE SWITCH, EPROM LIST	20
OPERATIONAL MAGNETIC SWITCH, RECEPTACLE BOX	21
MAIN POWER SUPPLY & DRIVE MOTOR	22
PNEUMATIC & HYDRAULIC PARTS	23
Series 46 CLAMPING & FOLDING PARTS	24
Series 46 PNEUMATIC VALVES, CONTROL PANELS, ELEVATOR PARTS	25
BITE GAUGE PARTS	26
BITE GAUGE PARTS 16,18,20 mm ONLY	27
TAB KNIFE GAUGE PARTS 16,18,20 mm	28
TROUSER PANEL STACKER	29
WORK REMOVER	30
TROUSER AIR EJECTOR	31
ACCESSORY PARTS(1)	32
ACCESSORY PARTS(2)	33
TOOLS, SPARE PARTS	34
BITE SIZE CONVERSION CHART 8,10,12,14 mm	35
BITE SIZE CONVERSION CHART 16,18,20 mm	36
PARTS INDEX	37

1



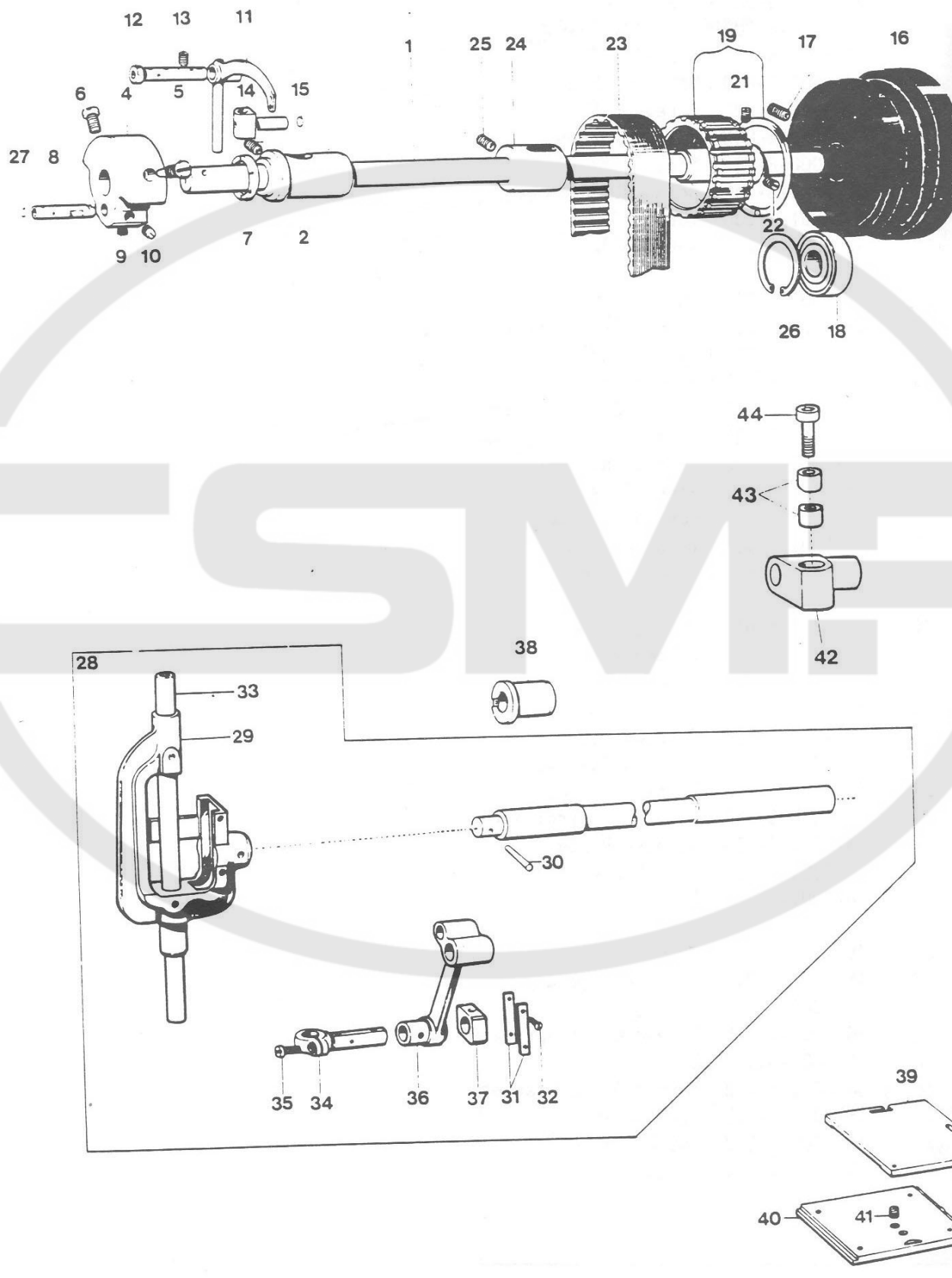
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MACHINE BASIC PARTS & THREAD TENSION

Det. No	Parts No	Description
1	46-1001-5-001	Arm Top Cover
2	46-1000-8-200	Screw(4.37-40×16)
3	46-1000-8-201	Screw(4.37-40×16)
4	46-1001-5-000	Take-up Cover
5	46-1000-8-228	Screw(4.76)
6	46-1001-5-002	Rear Cover
7	46-1000-8-202	Screw(3.57-40×6)
8	46-1000-8-245	Screw(4.37)
9	46-1001-5-003	Thread Guide
10	46-1000-8-252	Nut(5.95)
11	46-1001-5-019	Stop
12	46-1001-5-020	Thread Guide(Upper)
13	46-1000-8-229	Screw(3.57)
14	46-1000-8-203	Screw(3.57)
15	46-1001-5-021	Thread Guide(Center)
16	46-1001-5-022	Pipe
17	46-1001-5-023	Tension Release Bar
18	46-1001-5-111	Upper Tension Control Assembly
19	46-1001-5-017	Tension Stud
20	46-1001-5-018	Take-up Spring
21	46-1001-5-016	Spring Guide Assembly
22	46-1000-8-204	Screw(2.38)
23	46-1001-5-110	Tension Stud
24	46-1001-5-011	Tension Disc
25	46-1001-5-010	Tension Disc Washer
26	46-1001-5-009	Tension Spring
27	46-1000-8-256	Tension Control Nut
28	46-1001-5-014	Release Plate
29	46-1000-8-224	Stud Screw(3.57)
30	46-1001-5-013	Pin
31	46-1001-5-012	Pin
32	46-1001-5-015	Release Spring
33	46-1001-5-005	Cap
34	46-1001-5-006	Thread Guide Spring
35	46-1001-5-007	Disc
36	46-1001-5-008	Thread Guide Bracket
37	46-1000-8-225	Stud Screw
38	46-1000-8-253	Nut(3.57)
39	05-1116-0-000	Decal

2



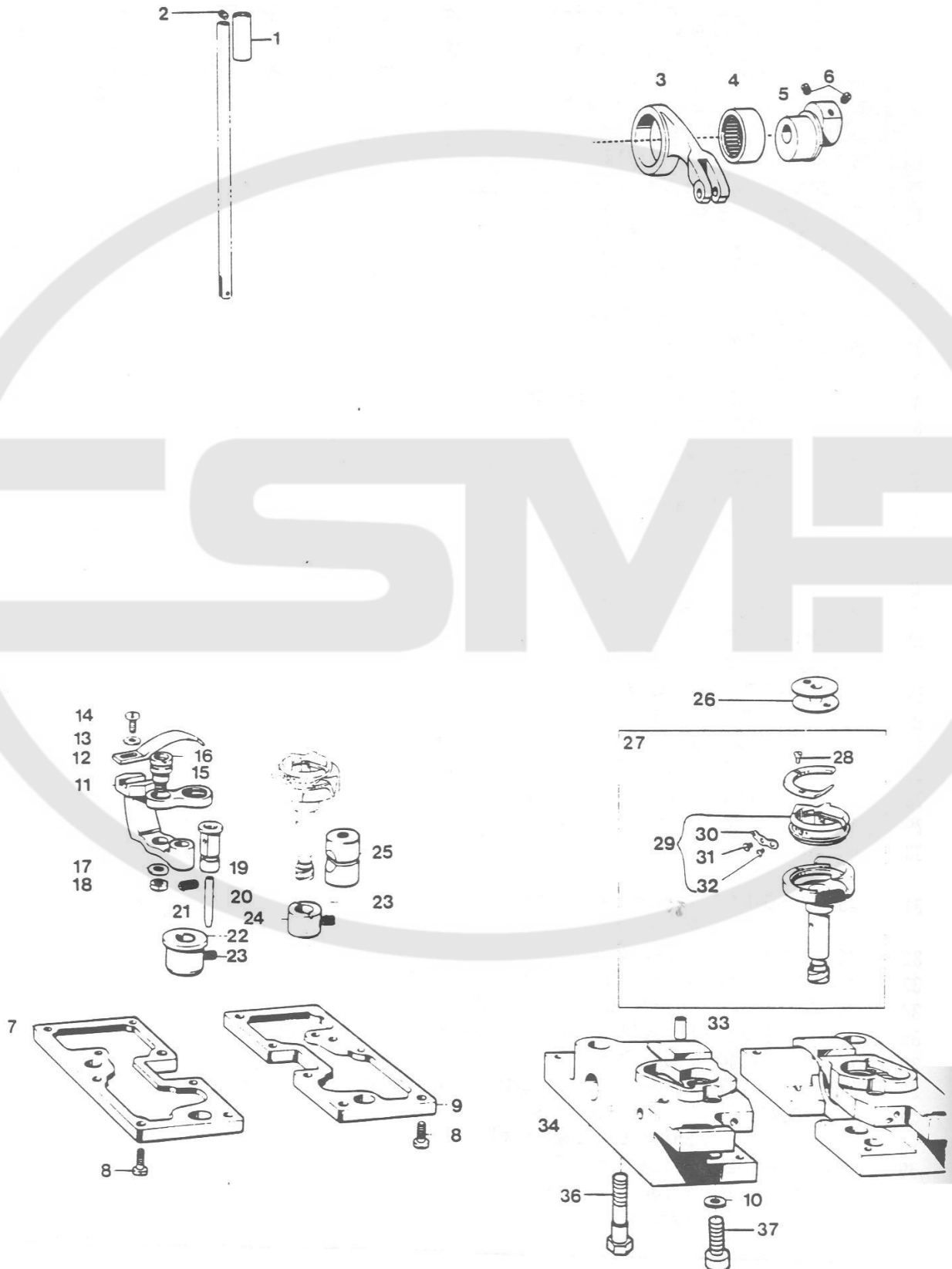
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UPPER SHAFT & NEEDLE BAR ROCKING MECHANISM

Det. No	Parts No	Description	Det. No	Parts No	Description
1	46-1001-5-036	Upper Shaft	41	46-1000-8-238	Screw(5.16)
2	46-1001-5-035	Bushing(Left)	42	46-1001-5-183	Rock Shaft Stop
3	46-1000-8-233	Screw(5.95)	43	46-1001-5-184	Pinch Sleeve
4	46-1001-5-033	Counter Weight	44	46-1000-9-753	Screw(M6-1×30)
5	46-1000-8-205	Screw(7.14)			
6	46-1000-8-206	Screw(7.14)			
7	46-1001-5-034	Thrust Ring			
8	46-1001-5-031	Needle Bar Crank			
9	46-1000-8-234	Screw(6.35)			
10	46-1000-8-235	Screw(6.35)			
11	46-1001-5-028	Thread Take-up			
12	46-1001-5-027	Stud			
13	46-1000-8-233	Screw(5.95)			
14	46-1001-5-029	Take-up Slide Block			
15	46-1001-5-030	Pusher			
16	46-1001-5-042	Pulley			
17	46-1000-8-233	Screw(5.95)			
18	46-1001-5-041	Bearing(6204)			
19	46-1001-5-039	Timing Belt Wheel (Upper) Assembly			
20	.....	.....			
21	46-1000-8-236	Screw(6.35×12)			
22	46-1000-8-237	Screw(6.35×12)			
23	46-1001-5-038	Timing Belt			
24	46-1001-5-037	Bushing (Center)			
25	46-1000-8-233	Screw(5.95)			
26	46-1001-5-040	Stop Ring			
27	46-1001-5-032	Pusher			
28	46-1001-5-050	Crank Rod Assembly			
29	46-1001-5-048	Needle Bar Support			
30	46-1001-5-109	Taper Pin			
31	46-1001-5-049	Needle Bar Guide Plate			
32	46-1000-8-230	Screw(2.38)			
33	46-1001-5-044	Needle Bar			
34	46-1001-5-045	Needle Bar Clamp			
35	46-1000-8-207	Screw(3.57-40×8)			
36	46-1001-5-046	Crank Rod			
37	46-1001-5-047	Guide Slide Block			
38	46-1001-5-051	Needle Bar Rock Shaft Bushing(Left)			
39	46-1001-5-025	Slide Plate(Right)			
40	46-1001-5-026	Slide Plate Front Assembly			

3



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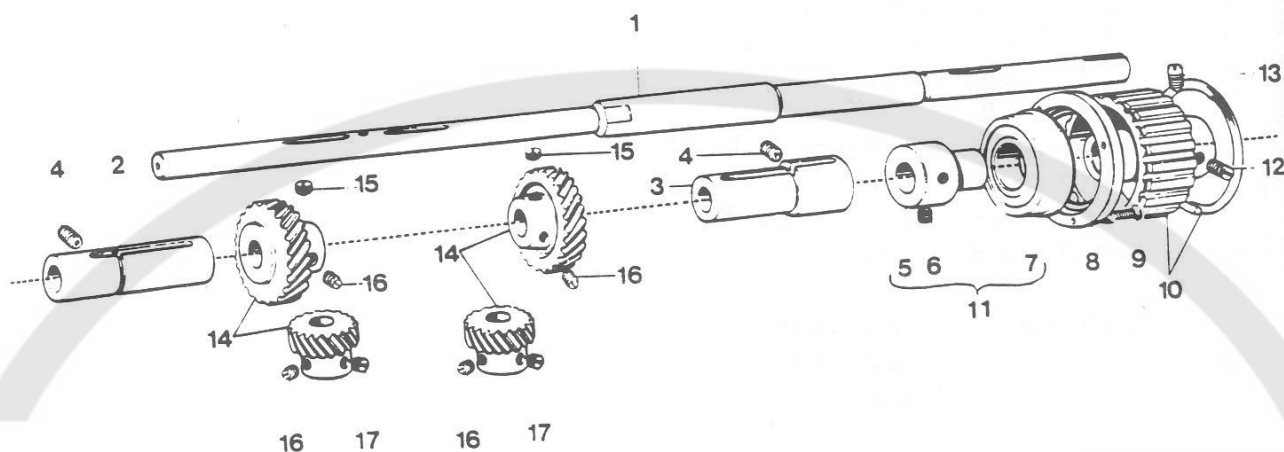
ROTARY HOOK

Det. No	Parts No	Description
1	46-1001-5-054	Bushing
2	46-1000-8-289	Screw(5.95)
3	46-1001-5-056	Connecting Rod
4	46-1001-5-057	Needle Bearing
5	46-1001-5-058	Eccentric Wheel
6	46-1000-8-239	Screw(5.95)
7	46-1001-5-084	Oil Reservoir(Left)
8	46-1000-8-208	Screw(4.76)
9	46-1001-5-088	Oil Reservoir(Right)
10	46-1000-8-258	Washer
11	46-1001-5-069	Opener Crank
12	46-1001-5-068	Bobbin Case Opener
13	46-1000-8-259	Washer
14	46-1000-8-207	Screw(3.57-40×8)
15	46-1001-5-070	Opener Link
16	46-1001-5-071	Link Stud Opener
17	46-1000-8-257	Washer(4.76)
18	46-1000-8-254	Nut(4.76)
19	46-1001-5-072	Opener Crank Stud
20	46-1001-5-073	Pipe
21	46-1000-8-241	Screw(4.76)
22	46-1001-5-074	Rotary Hook Shaft Bushing(Lower)
23	46-1000-8-240	Screw(4.76)
24	46-1001-5-075	Rotary Hook Shaft Bushing(Upper)
25	46-1001-5-076	Pinch Sleeve
26	46-1001-5-081	Bobbin
27	46-1001-5-112	Outer Rotary Hook Assembly
28	46-1000-8-232	Screw
29	46-1001-5-079	Inner Rotary Hook Assembly
30	46-1001-5-078	Adjusting Spring
31	46-1000-8-209	Adjusting Screw
32	46-1000-8-210	Screw
33	46-1001-5-086	Oil Pipe
34	46-1001-5-082	Rotary Hook Base(L)
35	46-1001-5-087	Rotary Hook Base(R)
36	46-1000-6-195	Screw(15/64-28×31)
37	46-1000-6-197	Screw(1/4-24×22)

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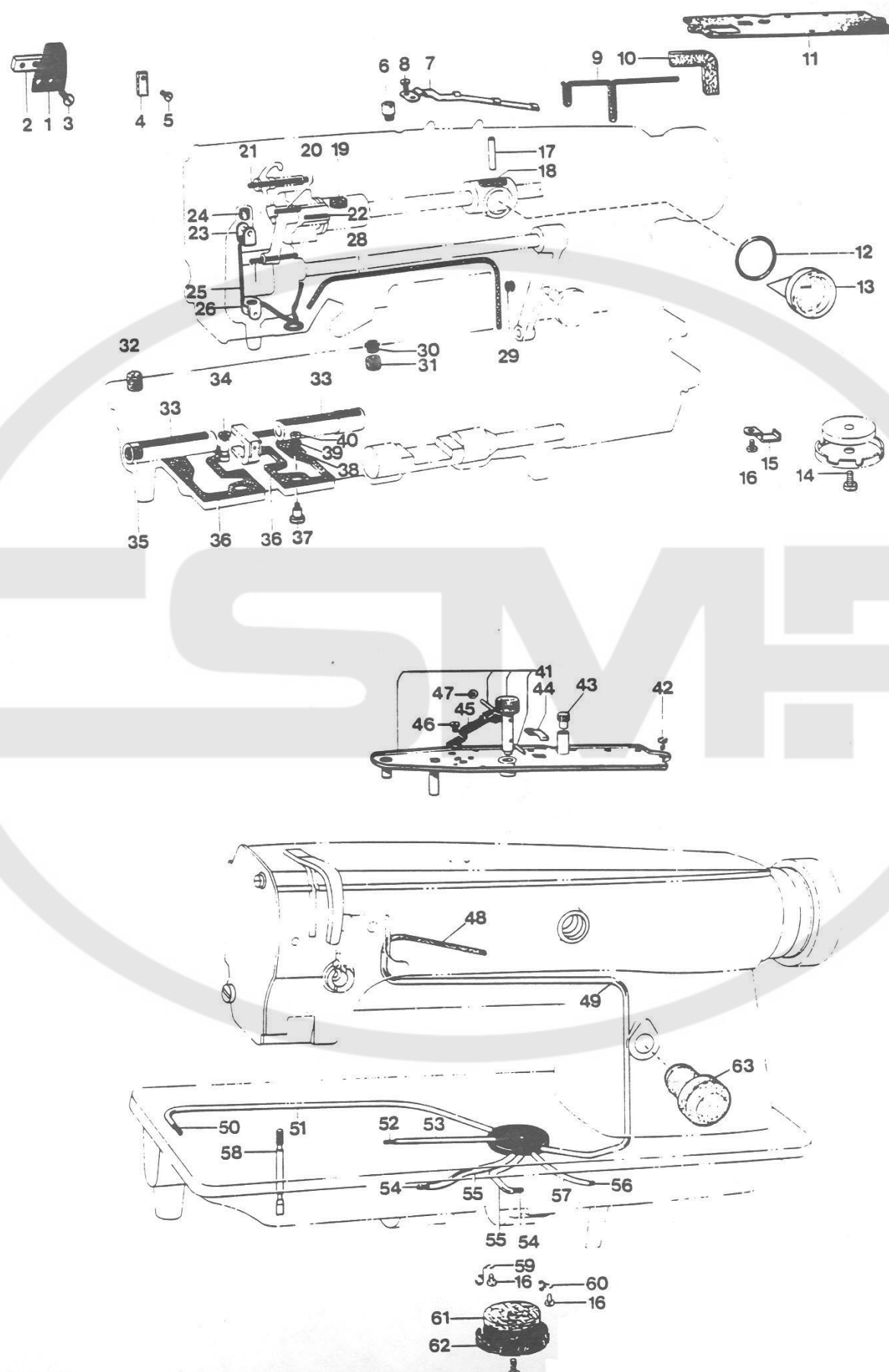
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LOWER SHAFT

Det. No	Parts No	Description
1	46-1001-5-059	Lower Shaft
2	46-1001-5-060	Rotary Hook Base Bushing(Left)
3	46-1001-5-061	Rotary Hook Base Bushing(Right)
4	46-1000-8-239	Screw(5.95)
5	46-1001-5-062	Bearing Holder
6	46-1000-8-242	Screw(6.35×7)
7	46-1001-5-063	Bushing
8	46-1001-5-065	Presser
9	46-1000-8-231	Screw(3.57×12)
10	46-1001-5-066	Timing Belt Wheel (Lower) Assembly
11	46-1001-5-064	Bearing Holder Assembly
12	46-1000-8-237	Screw(6.35×12)
13	46-1000-8-236	Screw(6.35×12)
14	46-1001-5-067	Spiral Gear Assembly
15	46-1000-8-243	Screw(6.35)
16	46-1000-8-235	Screw(6.35)
17	46-1000-8-234	Screw(6.35)

5



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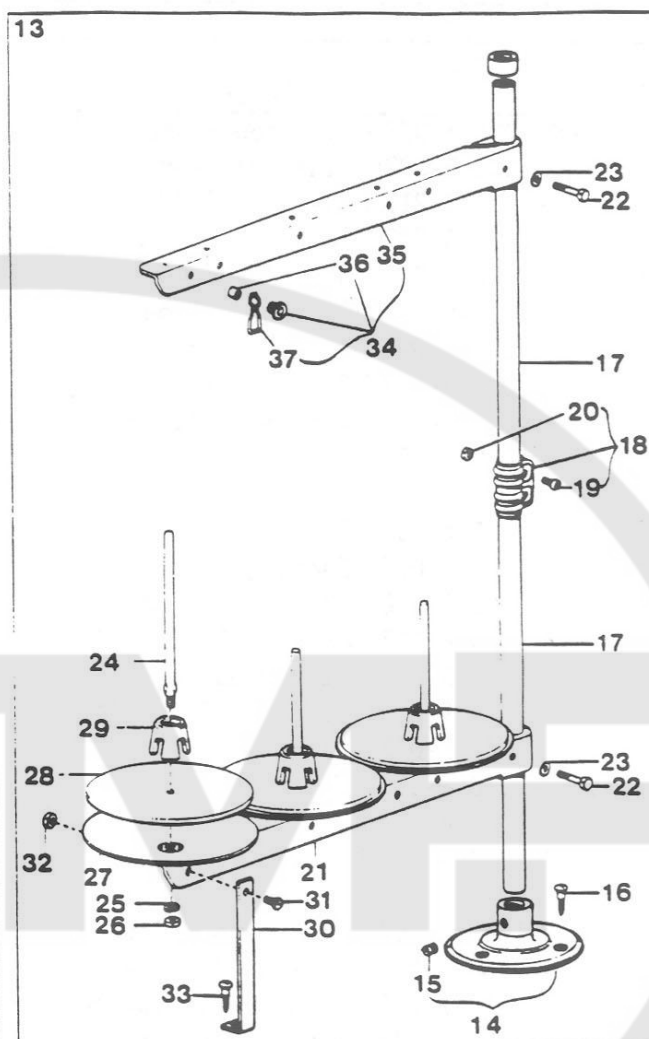
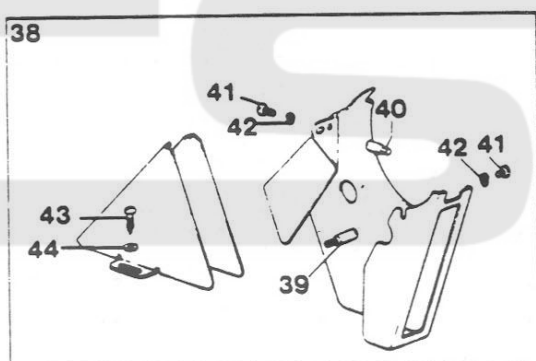
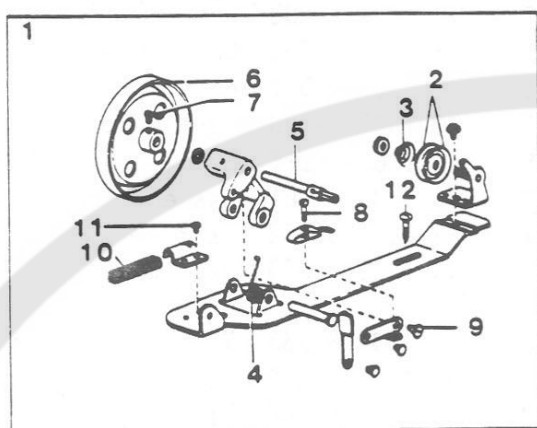
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LUBRICATION COMPONENTS

Det. No	Parts No	Description
1	46-1001-5-096	Oil Stop Plate
2	46-1001-5-097	Plate Presser
3	46-1000-8-211	Screw(4.76-32×8)
4	46-1000-8-277	Felt
5	46-1000-8-215	Screw(3.57×6)
6	46-1000-8-248	Oil Guide Tube
7	46-1001-5-094	Wick Holder
8	46-1000-8-212	Screw(3.18)
9	46-1000-8-267	Wick 4×4 (2.5cm)
10	46-1000-8-273	Felt
11	46-1001-5-093	Packing
12	46-1001-5-095	Packing(P16)
13	46-1001-5-108	Oil Gauge Window
14	46-1000-8-213	Screw(4.76-32×10)
15	46-1001-5-091	Felt Presser
16	46-1000-8-214	Screw(3.57-40×5)
17	46-1001-5-073	Pipe
18	46-1000-8-279	Felt
19	46-1000-8-274	Felt
20	46-1000-8-272	Wick 3×3 (3cm)
21	46-1000-8-269	Wick 6×6 (10cm)
22	46-1000-8-268	Wick 4×4 (12cm)
23	46-1001-5-052	Felt Support(Upper)
24	46-1001-5-043	Needle Bar Cap
25	46-1000-8-266	Wick 4×4 (35cm)
26	46-1001-5-053	Felt Support(Lower)
27	46-1000-8-271	Wick 4×4 (5cm)
28	46-1000-8-270	Wick 4×4 (85cm)
29	46-1001-5-104	Cap
30	46-1001-5-098	Oil Cap
31	46-1000-8-275	Felt
32	46-1000-8-276	Felt
33	46-1000-8-278	Felt
34	46-1000-8-280	Felt
35	46-1000-8-281	Felt
36	46-1001-5-083	Packing
37	46-1000-8-226	Oil Adjusting Screw
38	46-1000-8-260	Washer
39	46-1000-8-264	Spring Washer
40	46-1000-8-255	Nut(4.37)

Det. No	Parts No	Description
41	46-1001-5-089	Oil Receiver Plate Assembly
42	46-1000-8-202	Screw(3.57-40×6)
43	46-1001-5-092	Cap for Oil Inlet
44	46-1001-5-091	Felt Presser
45	46-1001-5-090	Spring Plate
46	46-1000-8-216	Screw(3.57-40×4)
47	46-1000-8-261	Washer
48	46-1000-8-282	Wick 4×4 (75cm)
49	46-1001-5-099	Oil Tube
50	46-1000-8-283	Wick 4×4 (33cm)
51	46-1001-5-100	Oil Tube
52	46-1000-8-284	Wick 4×4 (40cm)
53	46-1001-5-101	Oil Tube
54	46-1000-8-285	Wick 4×4 (15cm)
55	46-1001-5-102	Oil Tube
56	46-1000-8-286	Wick 4×4 (45cm)
57	46-1001-5-103	Oil Tube
58	46-1001-5-085	Oil Gauge
59	46-1001-5-107	Tube Holder
60	46-1001-5-106	Tube Holder
61	46-1000-8-287	Oil Felt
62	46-1001-5-105	Oil Pipe Support
63	46-1002-0-758	Oil Shield

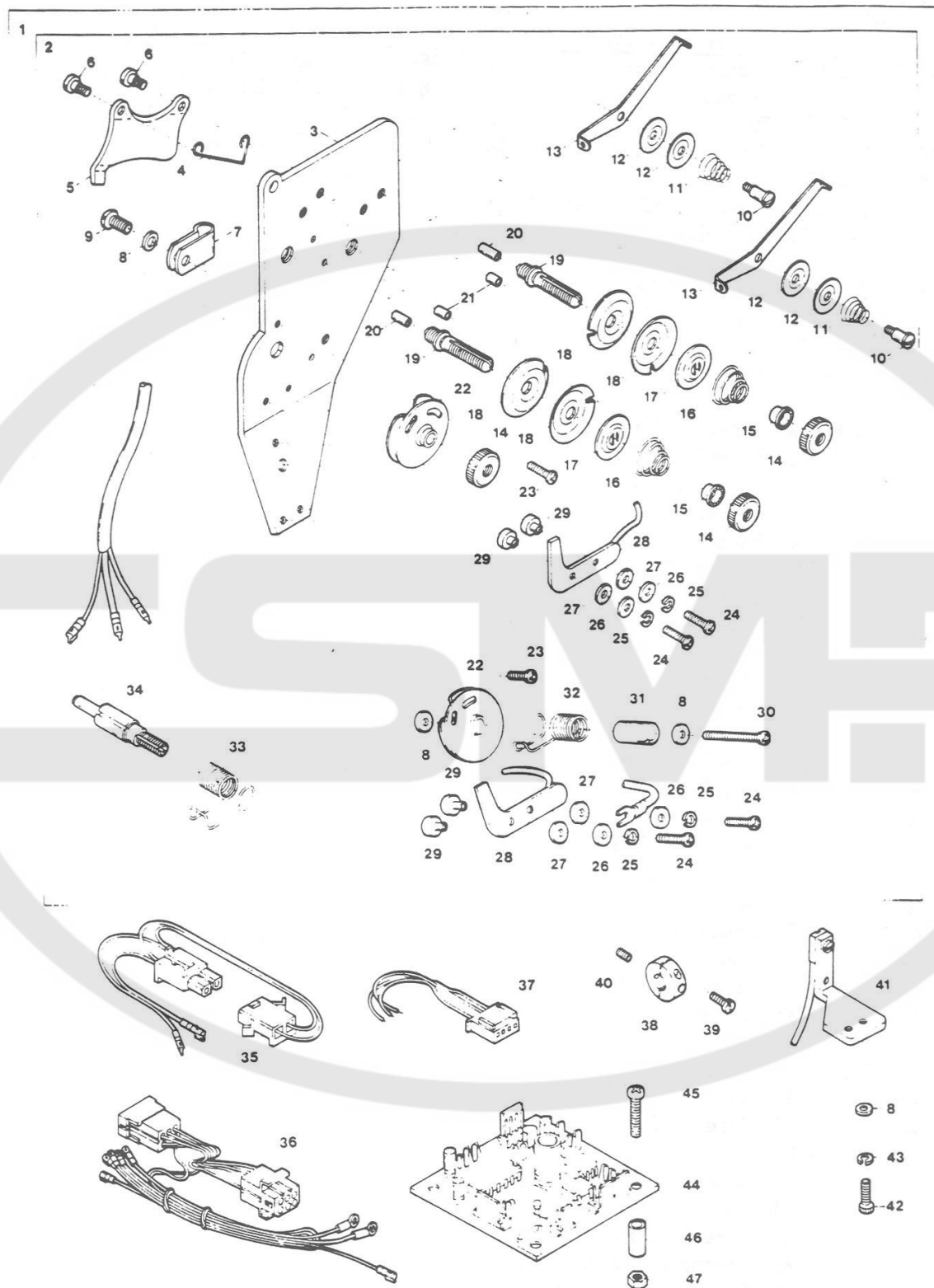
6



THREAD STAND, BOBBIN WINDER, BELT COVER

Det. No	Parts No	Description	Det. No	Parts No	Description
1	46-1001-5-174	Bobbin Winder Assembly	41	46-1000-8-223	Screw(4.37-40×8)
2	46-1001-5-170	Tension Disc	42	46-1000-8-264	Spring Washer(4.37)
3	46-1001-5-169	Tension Spring	43	46-1000-8-246	Screw(5.5×20)
4	46-1001-5-171	Spring	44	46-1000-8-263	Washer(5.56)
5	46-1001-5-168	Bobbin Winder Shaft			
6	46-1001-5-173	Bobbin Winder Wheel Assembly			
7	46-1000-8-217	Screw(4.37×5)			
8	46-1000-8-218	Screw(3.18)			
9	46-1000-8-227	Stud Screw(3.18)			
10	46-1001-5-172	Stop			
11	46-1000-8-219	Screw(3.57×3.5)			
12	46-1000-8-246	Screw(5.5×20)			
13	46-1001-5-167	Thread Stand Assembly			
14	46-1001-5-166	Base Assembly			
15	46-1000-8-244	Screw(6×7)			
16	46-1000-8-247	Screw(4.5×22)			
17	46-1001-5-157	Pipe			
18	46-1001-5-158	Joint			
19	46-1000-8-220	Screw(5×14)			
20	46-1000-8-251	Nut(5)			
21	46-1001-5-164	Spool Holder			
22	46-1000-8-221	Bolt(5×28)			
23	46-1000-8-262	Washer(5)			
24	46-1001-5-159	Spool Shaft(B)			
25	46-1000-8-265	Spring Washer			
26	46-1000-8-251	Nut(5)			
27	46-1001-5-162	Spool Stand Base			
28	46-1001-5-161	Spool Mat			
29	46-1001-5-160	Spool Cushion			
30	46-1001-5-163	Support			
31	46-1000-8-222	Screw(5×10)			
32	46-1000-8-251	Nut(5)			
33	46-1000-8-247	Screw(4.5×22)			
34	46-1001-5-156	Thread Hanger Assembly			
35	46-1001-5-164	Spool Holder			
36	46-1001-5-181	Thread Bushing			
37	46-1001-5-182	Thread Guide Spring			
38	46-1001-5-175	Belt Cover Assembly			
39	46-1000-8-249	Belt Cover Stud(B)			
40	46-1000-8-250	Belt Cover Stud(D)			

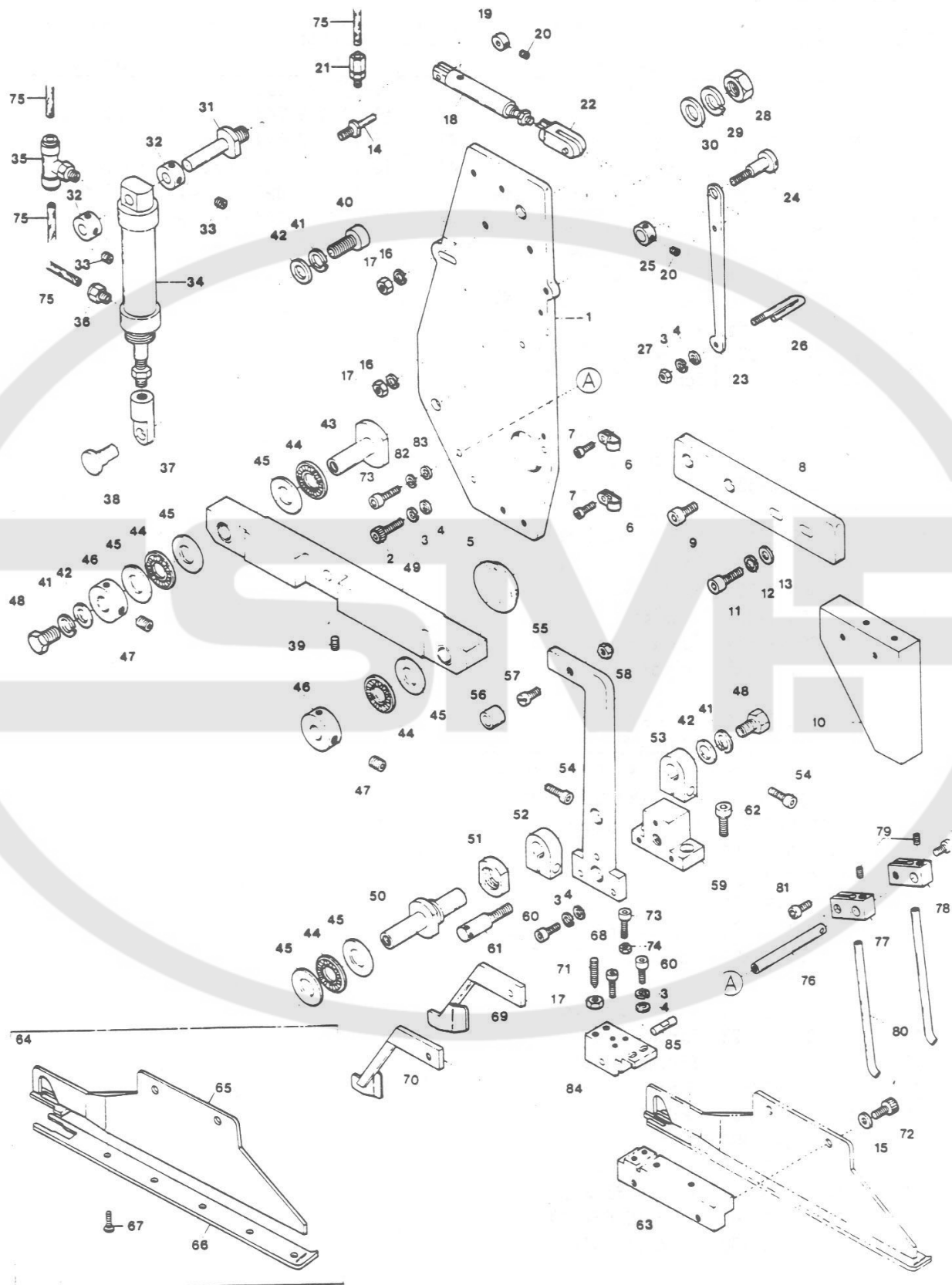
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THREAD MONITOR

Det. No	Parts No	Description	Det. No	Parts No	Description
1	46-1001-5-431	Thread Monitor Complete	41	46-1001-5-433	IC Unit
2	46-1001-5-432	Thread Tension Complete	42	46-1000-9-748	Screw(M4-0.7×12)
3	46-1001-5-420	Thread Tension Plate	43	46-1000-0-644	Spring Washer
4	46-1001-5-015	Release Spring	44	46-1001-4-948	Circuit Board
5	46-1001-5-014	Release Plate	45	46-1000-9-993	Screw(M3-0.5×16)
6	46-1000-8-224	Stud (3.57)	46	46-1001-0-914	Support
7	46-1006-0-248	Cord Clamp(φ 5.3-3N)	47	46-1000-0-012	Nut
8	46-1000-0-665	Washer			
9	46-1000-4-127	Screw(M4-0.7×6)			
10	46-1000-1-092	Screw(1/8-44×3)			
11	46-1009-3-514	Tension Spring			
12	46-1003-7-108	Tension Disc			
13	46-1009-3-535	Thread Guide			
14	46-1000-0-182	Adjusting Nut			
15	46-1002-0-126	Spring Bushing			
16	46-1008-5-276	Tension Spring			
17	46-1008-0-705	Spring Washer			
18	46-1008-0-232	Tension Disc			
19	46-1000-9-804	Tension Post			
20	46-1001-5-425	Release Pin			
21	46-1000-0-038	Stop Pin			
22	46-1001-5-016	Spring Guide Assembly			
23	46-1000-9-805	Screw(M2.5-0.45×8)			
24	46-1000-9-956	Screw(M3-0.5×10)			
25	46-1000-0-002	Spring Washer			
26	46-1000-0-014	Washer			
27	46-1000-0-257	Washer			
28	46-1001-5-421	Sensing Plate			
29	46-1001-4-979	Insulating Bushing			
30	46-1000-9-883	Screw(M4-0.7×25)			
31	46-1001-5-422	Spring Sleeve			
32	46-1001-5-423	Spring(Right)			
33	46-1001-5-424	Spring(Left)			
34	46-1001-5-113	Tension Post			
35	46-1001-1-304	Power Cord			
36	46-1001-1-305	Signal Cord			
37	46-1001-1-306	Switch Cord			
38	46-1001-5-427	Magnet Ring Unit			
39	46-1000-7-609	Screw(9/64-40×9)			
40	46-1000-9-209	Screw(11/64-40×9)			

8



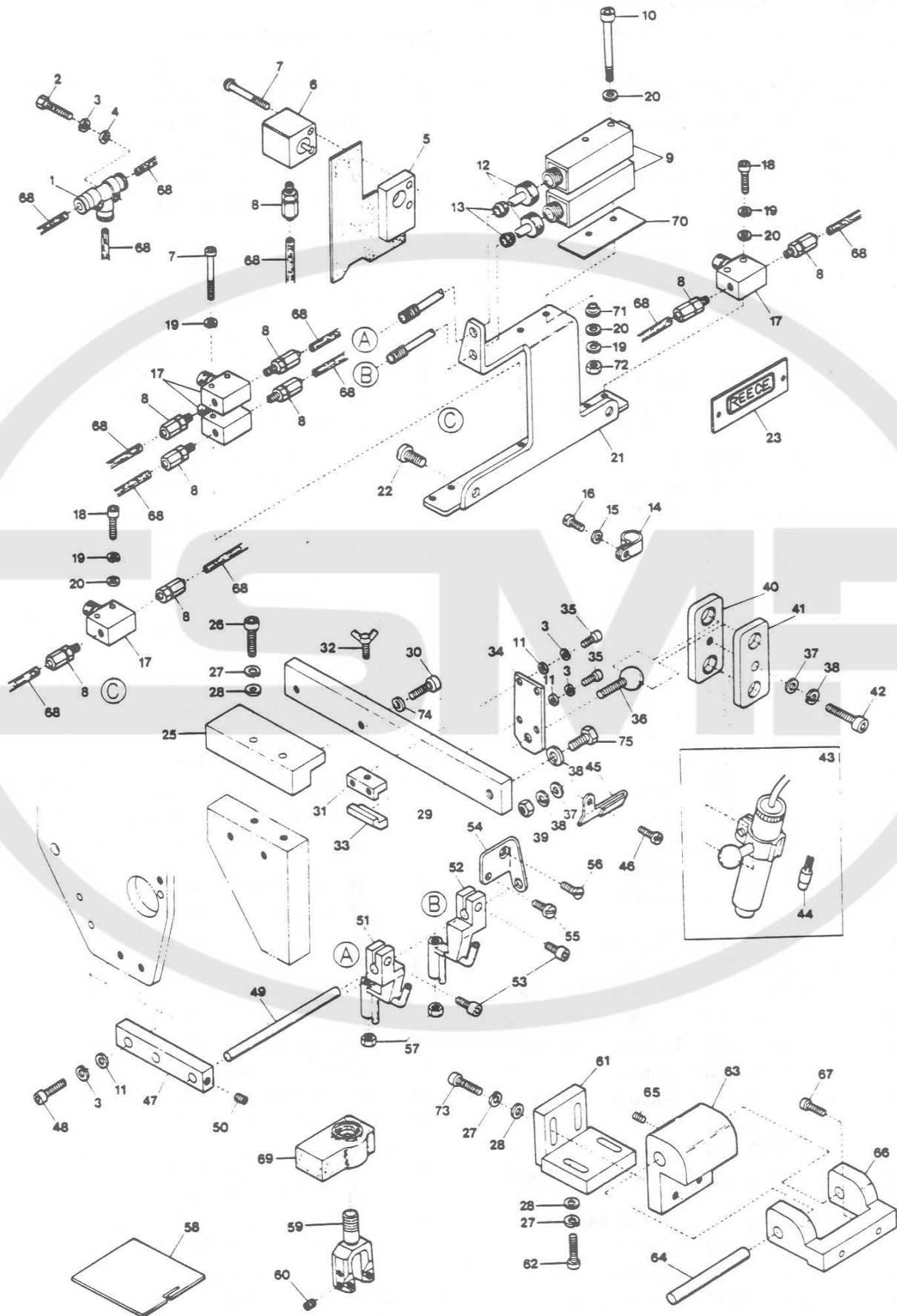
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PATCH GUIDE MECHANISM

Det. No	Parts No	Description	Det. No	Parts No	Description
1	46-1001-4-546	Head Cover	46	46-1007-7-286	Collar
2	46-1000-9-749	Screw(M4-0.7×16)	47	46-1000-3-635	Screw(1/4-40×6)
3	46-1000-0-644	Spring Washer	48	46-1000-9-777	Screw(M8-1.25×14)
4	46-1000-0-665	Washer	49	46-1001-4-536	Moving Lever
5	46-1002-0-759	Seal Plug	50	46-1001-4-527	Lever Pin(Front)
6	46-1006-0-248	Cord Clamp(φ 5.3-3N)	51	46-1001-4-526	Nut
7	46-1000-9-956	Screw(M3-0.5×10)	52	46-1001-4-520	Collar(Left)
8	46-1001-4-534	Patch Guide Cam Arm	53	46-1001-4-519	Collar(Right)
9	46-1000-9-980	Screw(M6-1×10)	54	46-1000-9-935	Screw(M5-0.8×20)
10	46-1001-4-976	Patch Guide Cam	55	46-1001-4-215	Patch Guide Lever
11	46-1000-9-970	Screw(M6-1×20)	56	46-1001-4-186	Cam Roller
12	46-1000-0-667	Spring Washer	57	46-1000-6-186	Screw(M6-1×10)
13	46-1000-0-663	Washer	58	46-1000-0-063	Nut
14	46-1001-4-539	Wiper Lever Pin	59	46-1001-4-222	Patch Guide Holder
15	46-1000-0-669	Washer	60	46-1000-9-748	Screw(M4-0.7×12)
16	46-1000-0-600	Spring Washer	61	46-1000-6-191	Screw(M8-1.25×12)
17	46-1000-0-009	Nut	62	46-1000-6-210	Screw(M6-1×12)
18	46-1001-0-249	Cylinder	63	46-1001-4-223	Mount Block
19	46-1008-0-714	Collar	64	-----	Patch Guide, C. (See Page 35,36)
20	46-1000-3-637	Screw(1/8-44×2.5)	65	-----	Patch Guide(Upper) (See Page 35,36)
21	46-1001-0-258	Joint	66	-----	Patch Guide(Lower) (See Page 35,36)
22	46-1001-0-283	Y-Knuckle (3mm)	67	46-1000-9-734	Screw(M2-0.4×4.8)
23	46-1001-4-566	Wiper Lever	68	46-1000-9-745	Screw(M3-0.5×15)
24	46-1000-6-192	Screw(M5-0.8×21)	69	46-1001-4-957	Jumping Guide(Right)
25	46-1009-4-562	Collar	70	46-1001-4-958	Jumping Guide(Left)
26	46-1001-4-525	Wiping Bar	71	46-1001-4-535	Spring Plunger
27	46-1000-0-015	Nut	72	46-1000-9-751	Screw(M5-0.8×10)
28	46-1000-0-260	Nut	73	46-1000-9-744	Screw(M3-0.5×10)
29	46-1000-0-439	Spring Washer	74	46-1000-0-012	Lock Nut
30	46-1000-0-612	Washer	75 ※	46-1001-0-260	Air Tubing(4×2.5mm)
31	46-1001-4-523	Cylinder Pin	76	47-1001-4-968	Air Nozzle Shaft
32	46-1007-7-296	Collar	77	47-1001-4-967	Holder(Left)
33	46-1000-7-650	Screw(11/64-40×5)	78	47-1001-4-966	Holder(Right)
34	46-1001-0-247	Patch Guide Cylinder	79	46-1000-9-735	Screw(M4-0.7×4)
35	46-1001-0-056	T-Joint(φ 4-1/8)	80	47-1001-4-965	Air Nozzle
36	46-1001-0-055	Connector(φ 4-1/8)	81	46-1000-9-779	Screw(M3-0.5×6)
37	46-1001-0-285	I-Knuckle (8mm)	82	46-1000-0-002	Spring Washer
38	46-1001-4-533	Connecting Pin	83	46-1000-0-014	Washer
39	46-1000-3-659	Screw(M5-0.8×5)	84	46-1001-4-537	Block(10mm)
40	46-1000-9-936	Screw(M8-1.25×20)	85	46-1001-4-521	Shaft(10mm)
41	46-1000-0-676	Spring Washer	※ Specify Length		
42	46-1000-0-666	Washer			
43	46-1001-4-524	Lever Pin(Rear)			
44	46-1001-4-571	Thrust Bearing			
45	46-1001-4-572	Spacer			

9



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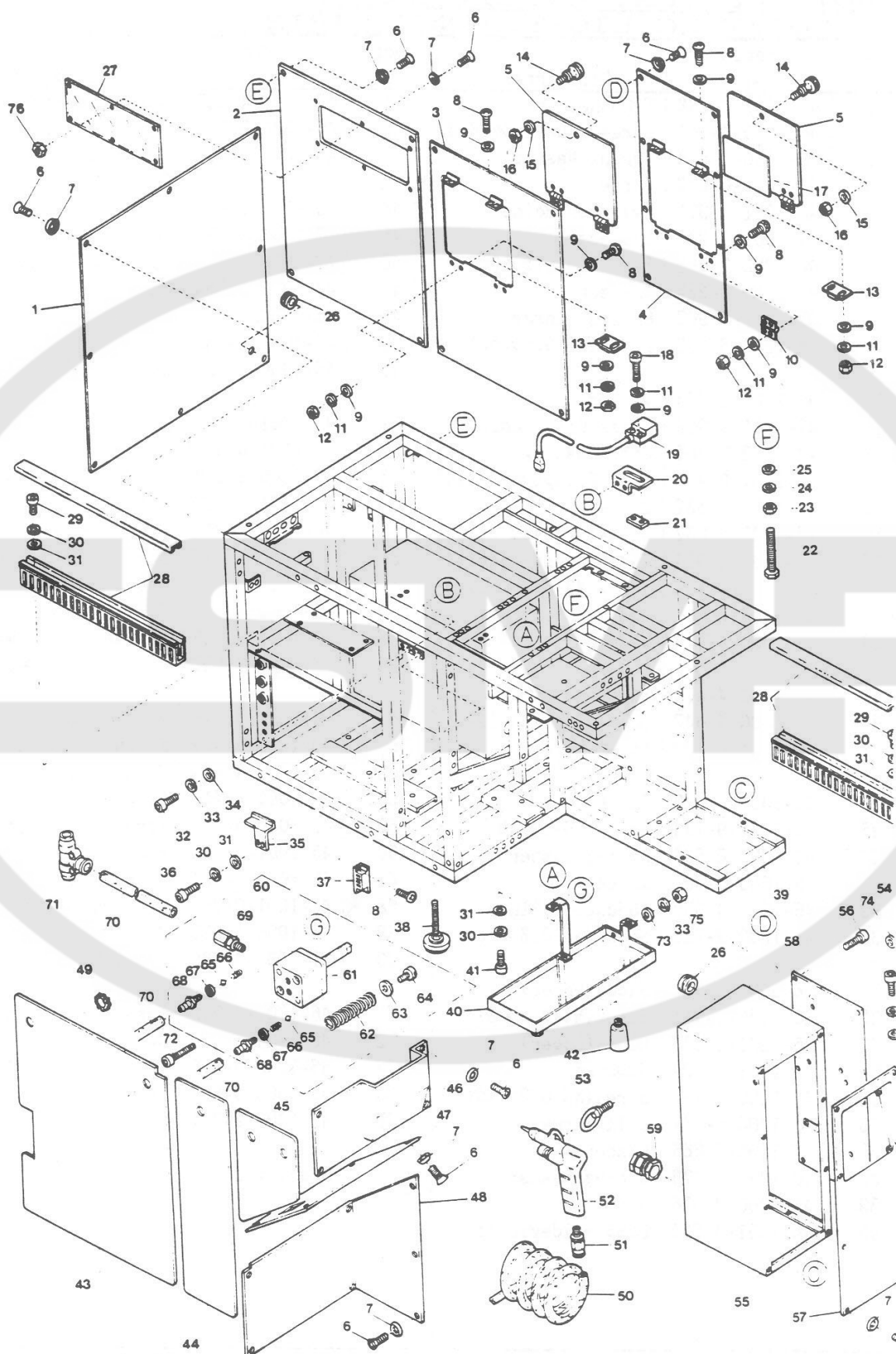
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**PHOTO OPTICS, TENSION RELEASE,
LOCATING LIGHT, HINGE PARTS**

Det. No	Parts No	Description	Det. No	Parts No	Description
1	47-1001-0-288	T-Connector	41	46-1001-4-225	Lamp Holder(Right)
2	46-1000-4-104	Screw(9/64-40×18.8)	42	46-1000-9-758	Screw(M8-1.25×30)
3	46-1000-0-644	Spring Washer	43	46-1001-0-901	Work Locating Lamp, Complete
4	46-1000-0-532	Washer	44	46-1001-0-920	Lamp
5	46-1001-4-971	Cylinder Holder	45	47-1001-4-413	Needle Thread Eyelet
6	46-1001-0-246	Cylinder	46	46-1000-5-000	Screw(9/64-40×5.7)
7	46-1000-9-768	Screw(M3-0.5×30)	47	47-1001-4-964	Shaft Holder(Left)
8	46-1001-0-258	Connector	48	46-1000-9-749	Screw(M4-0.7×16)
9	47-1001-0-907	Optics Senser	49	47-1001-4-432	Shaft
10	46-1000-6-236	Screw(M3-0.5×50)	50	46-1000-3-656	Screw(M3-0.5×3)
11	46-1000-0-665	Washer	51	47-1001-4-951	Holder(Left)
12	47-1001-0-908	Glass Fiber Unit	52	47-1001-4-950	Holder(Right)
13	47-1002-1-465	Cord Bushing	53	46-1000-9-746	Screw(M4-0.7×8)
14	46-1001-0-721	Cord Clamp(φ 19-11N)	54	47-1001-4-963	Shaft Holder(Right)
15	46-1000-0-532	Washer	55	46-1000-9-604	Screw(11/64-40×5.5)
16	46-1000-4-352	Screw(9/64-40×11.3)	56	46-1000-9-127	Screw(11/64-40×8)
17	46-1001-0-054	Speed Controller	57	46-1000-1-124	Nut
18	46-1000-9-745	Screw(M3-0.5×15)	58	46-1001-4-408	Slide Plate
19	46-1000-0-002	Spring Washer	59	46-1001-4-433	Needle Head(10mm)
20	46-1000-0-014	Washer	60	46-1000-3-637	Screw(1/8-44×2.5)
21	47-1001-4-428	Support	61	46-1001-4-425	Hinge(Lower)
22	46-1000-4-642	Screw(1/4-24×12)	62	46-1000-9-977	Screw(M6-1×25)
23	46-1001-4-409	Name Plate	63	46-1001-4-424	Hinge(Middle)
24	.....	.....	64	46-1001-4-411	Hinge Shaft
25	46-1001-4-529	Block	65	46-1000-9-736	Screw(M4-0.7×6)
26	46-1000-9-753	Screw(M6-1×30)	66	46-1001-4-423	Hinge(Upper)
27	46-1000-0-667	Spring Washer	67	46-1000-5-061	Screw(1/4-24×16.7)
28	46-1000-0-663	Washer	68 ※	46-1001-0-260	Air Tubing(4×2.5mm)
29	46-1001-4-530	Adjusting Plate	69	46-1001-4-972	Rubber
30	46-1000-9-752	Screw(M5-0.8×15)	70	47-1001-4-980	Insulator
31	46-1001-4-531	Block(Upper)	71	46-1001-4-979	Insulating Bushing
32	46-1000-9-911	Screw(M5-0.8×8)	72	46-1000-0-012	Nut
33	46-1001-4-532	Block(Lower)	73	46-1000-9-970	Screw(M6-1×20)
34	46-1001-4-528	Support	74	46-1000-0-669	Washer
35	46-1000-9-747	Screw(M4-0.7×10)	75	46-1000-9-777	Screw(M8-1.25×14)
36	46-1000-6-187	Ball Screw			
37	46-1000-0-666	Washer			
38	46-1000-0-676	Spring Washer			
39	46-1000-0-016	Nut			
40	46-1001-4-224	Lamp Holder(Left)			

※ Specify Lenght.

10



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FRAME & COVERS

Det. No.	Parts No.	Description	Det. No.	Parts No.	Description
1	46-1001-4-728	Cover	41	46-1000-9-746	Screw(M4-0.7×8)
2	46-1001-4-583	Cover	42	46-1001-4-656	Oil Retainer
3	46-1001-4-730	Cover	43	46-1001-4-727	Cover
4	46-1001-4-814	Cover	44	46-1001-4-922	Cover
5	46-1001-4-515	Cover	45	46-1001-4-926	Cover
6	46-1000-9-774	Screw(M4-0.7×9.7)	46	46-1001-4-923	Cover
7	46-1000-0-670	Washer	47	46-1001-4-924	Cover
8	46-1000-6-233	Screw(M3-0.5×7)40	48	46-1001-4-925	Cover
9	46-1000-0-014	Washer	49	46-1001-4-824	Universal Bushing
10	.....	.....	50	46-1001-0-256	Spiral Tube(6×4mm)
11	46-1000-0-002	Spring Washer	51	46-1001-0-264	Connector(φ 6-1/4)
12	46-1000-0-012	Nut	52	46-1001-0-094	Air Gun
13	46-1001-4-721	Magnetic Stop	53	46-1000-6-226	Eye Bolt
14	46-1000-6-434	Finger Knob	54	46-1000-0-011	Nut(M6)
15	46-1000-0-532	Washer	55	46-1001-4-732	Control Box
16	46-1000-0-335	Nut	56	46-1000-9-980	Screw(M6-1×10)
17	46-1000-2-484	Decal	57	46-1001-4-812	Cover
18	46-1000-9-745	Screw(M3-0.5×15)	58	46-1001-4-740	Control Box Plate
19	46-1001-0-902	Sensing Switch	59	46-1001-0-959	Bushing
20	46-1001-4-779	Switch Support	60	46-1001-5-220	Oil Return Pump, Complete
21	46-1001-4-780	Nut Plate	61	46-1001-0-304	Oil Return Pump
22	46-1000-6-232	Bolt(M8-1.25×80)	62	46-1001-4-977	Pump Cylinder Spring
23	46-1000-0-016	Nut	63	46-1000-0-555	Washer
24	46-1000-0-676	Spring Washer	64	46-1000-9-751	Screw(M5-0.8×10)
25	46-1000-0-666	Washer	65	46-1001-5-221	Steel Ball
26	46-1001-0-958	Cord Bushing	66	46-1003-6-104	Spring
27	46-1001-4-584	Sight Window	67	46-1000-0-623	Seal
28	46-1001-1-415	Cord Duct(280mm)	68	46-1001-0-018	Connector
	46-1001-1-416	" (430mm)	69	46-1001-0-258	Connector
	46-1001-1-417	" (460mm)	70 ※	46-1001-0-260	Air Tubing(4×2.5mm)
	46-1001-1-418	" (490mm)	71	46-1001-0-271	T-Connector
	46-1001-1-419	" (540mm)	72	46-1000-6-229	Screw(M5-0.8×40)
29	46-1000-9-974	Screw(M4-0.7×8)	73	46-1000-0-426	Washer
30	46-1000-0-644	Spring Washer	74	46-1000-0-663	Washer
31	46-1000-0-665	Washer	75	46-1000-0-009	Nut
32	46-1000-9-752	Screw(M5-0.8×15)	76	46-1000-0-015	Nut
33	46-1000-0-600	Spring Washer			
34	46-1000-0-669	Washer			
35	46-1001-4-715	Switch Cover			
36	46-1000-9-747	Screw(M4-0.7×10)			
37	46-1001-4-719	Magnetic Stop			
38	46-1001-5-228	Adjustable Foot			
39	46-1001-4-915	Frame			
40	46-1001-4-770	Oil Pan			

※ Specify Length.

11

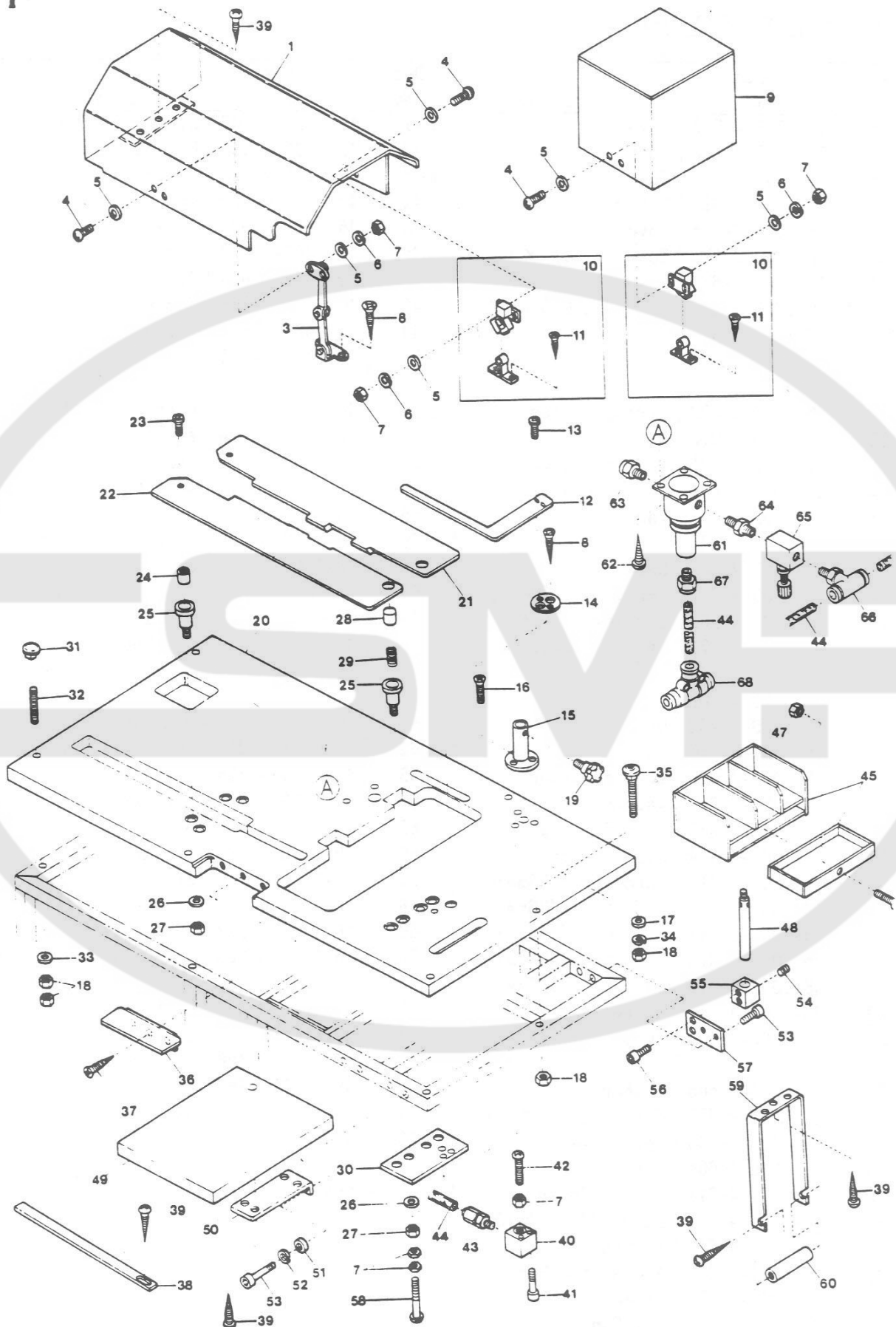
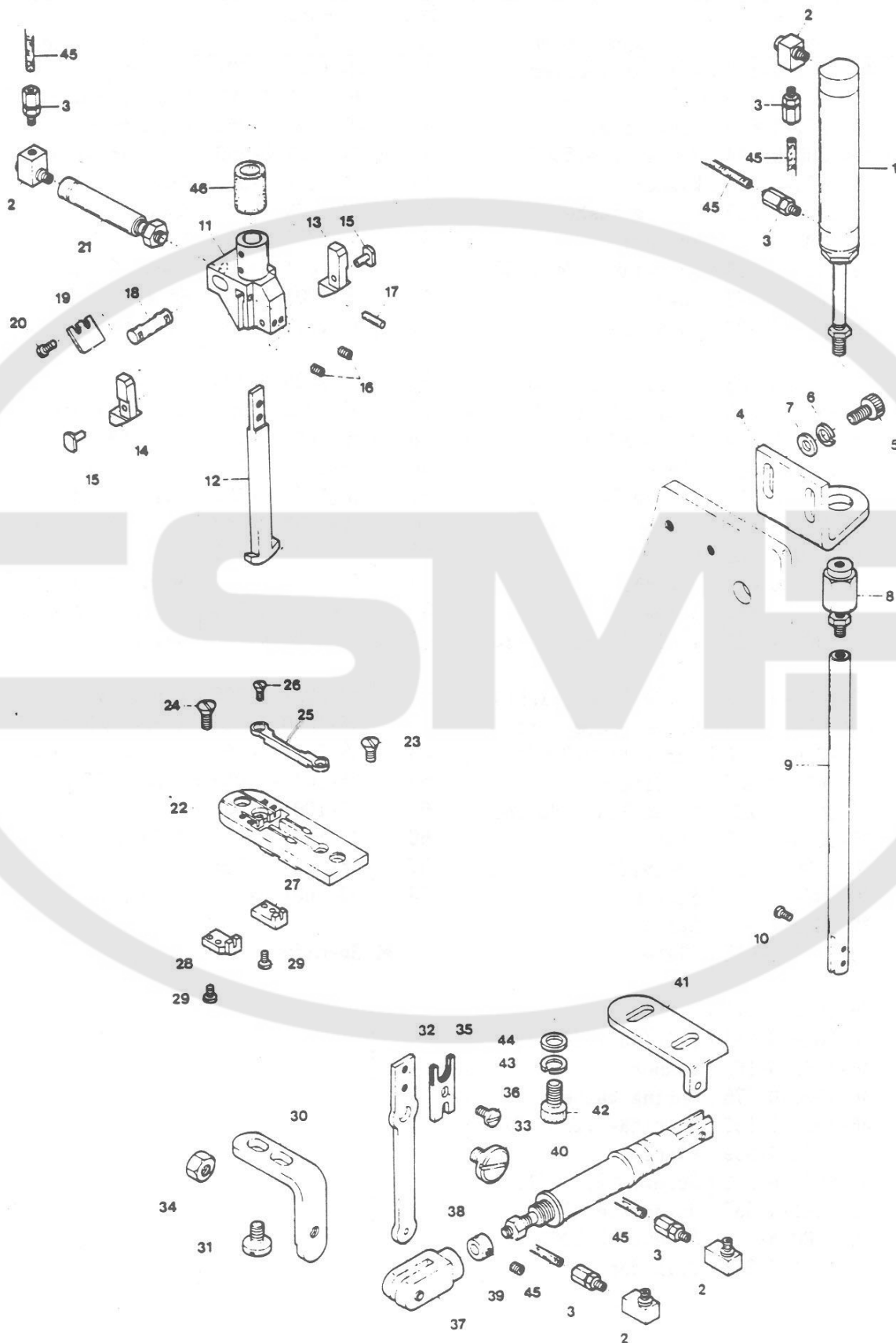


TABLE TOP & ASSOCIATE PARTS

Det. No	Parts No	Description	Det. No	Parts No	Description
1	46-1001-4-512	Mechanism Cover	41	46-1000-9-801	Screw(M3-0.5×20)
2	.....	.....	42	46-1000-9-793	Screw(M3-0.5×35)
3	46-1001-4-655	Cover Stay	43	46-1001-0-258	Connector
4	46-1000-9-994	Screw(M3-0.5×7)	44 ※	46-1001-0-260	Air Tubing(4×2.5mm)
5	46-1000-0-014	Washer	45	46-1001-4-680	Tray
6	46-1000-0-002	Spring Washer	46	46-1000-6-444	Knob
7	46-1000-0-012	Nut(M3)	47	46-1000-0-332	Nut
8	46-1000-9-929	Screw(φ 3.5×21.5)	48	46-1001-4-302	Mount Shaft
9	46-1001-4-823	Cover	49	46-1001-4-687	Extension Table
10	46-1001-4-720	Cover Latch	50	46-1001-4-668	Support
11	46-1000-6-203	Screw(φ 2.4×16)	51	46-1000-0-428	Washer
12	46-1001-4-675	Stay Holder	52	46-1000-0-667	Spring Washer
13	46-1000-9-769	Screw(M4-0.7×3.5)	53	46-1000-9-755	Screw(M6-1×45)
14	46-1001-4-661	Plate	54	46-1000-9-740	Screw(M6-1×10)
15	46-1001-4-671	Switch Box Holder	55	46-1001-4-300	Shaft Holder
16	46-1000-6-218	Screw	56	46-1000-9-747	Screw(M4-0.7×10)
17	46-1000-0-429	Washer	57	46-1001-4-301	Support
18	46-1000-0-016	Nut(M8)	58	46-1000-6-223	Screw(M3-0.5×55)
19	46-1001-4-662	Screw	59	47-1001-4-718	Roller Bracket
20	47-1001-4-658	Table Top(8~14 mm)	60	47-1001-4-717	Roller
21	46-1001-4-635	Slide Plate(Right)	61	47-1001-0-305	Air Valve
22	46-1001-4-636	Slide Plate(Left)	62	46-1000-6-905	Screw(φ 5.1×20)
23	46-1000-9-770	Screw(M4-0.7×8)	63	46-1001-0-263	Connector(φ 6-1/8)
24	46-1001-4-032	Holding Pin	64	46-1001-0-065	Nipple(PT1/8)
25	46-1001-5-222	Slide Plate Holder	65	47-1001-0-084	Speed Control
26	46-1000-0-433	Washer	66	47-1001-0-056	T-Connector
27	46-1000-0-421	Nut(M12)	67	46-1001-0-055	Connector(φ 4-1/8)
28	46-1001-5-223	Stop Pin	68	47-1001-0-271	T-Connector
29	46-1001-4-056	Spring	※ Specify Length.		
30	46-1001-4-663	Plate			
31	46-1000-0-070	Nut			
32	46-1000-9-858	Bolt(M8-1.25×75)			
33	46-1000-0-162	Washer			
34	46-1000-0-676	Spring Washer			
35	46-1000-6-196	Bolt(M8-1.25×57)			
36	47-1001-4-659	Plate			
37	46-1000-6-209	Screw(φ 3.5×21.5)			
38	47-1001-4-657	Holder(Left)			
39	46-1000-6-905	Screw(φ 5.1×20)			
40	46-1001-0-248	Cylinder			

12



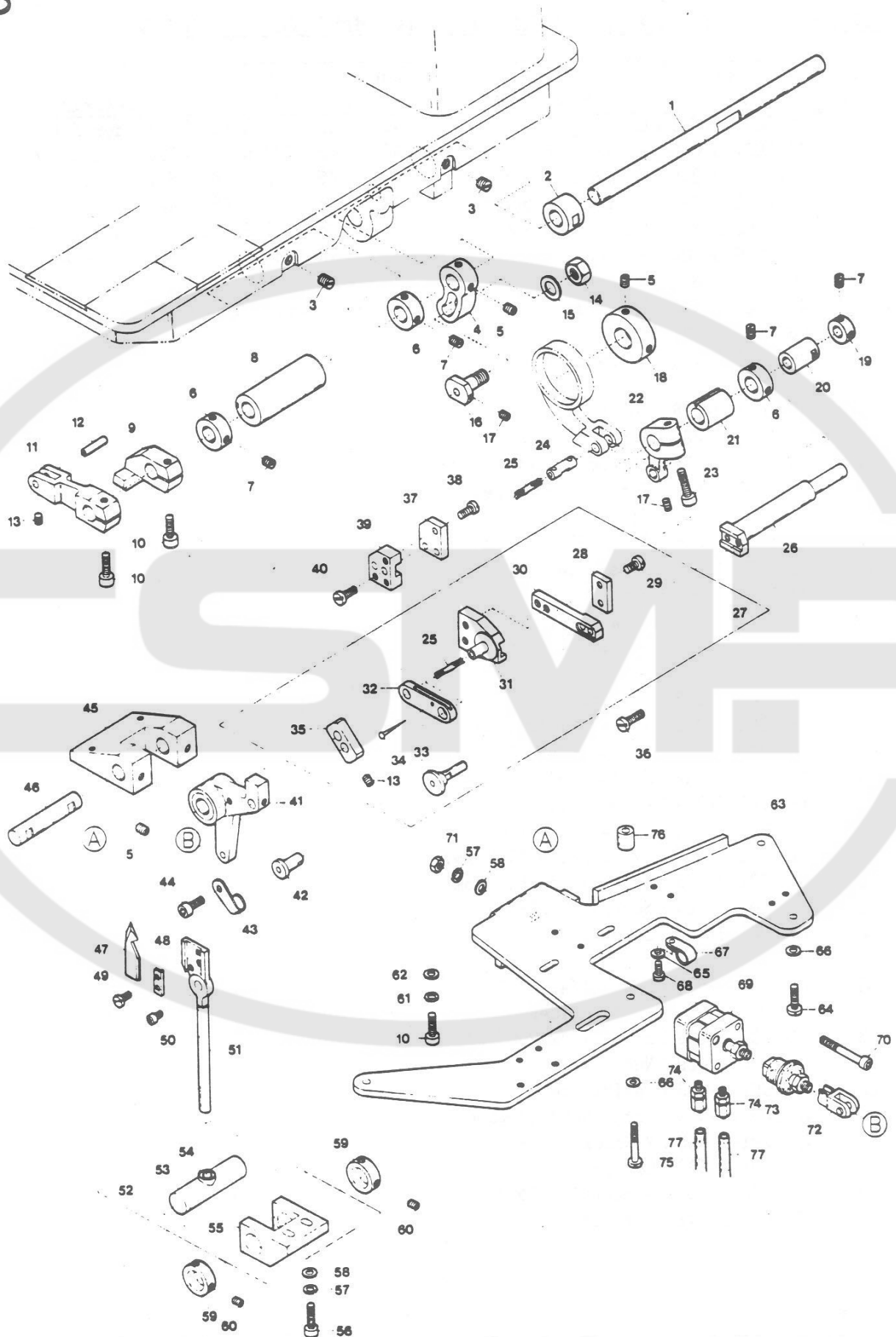
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UPPER & LOWER THREAD TRIMMING PARTS

Det. No	Parts No	Description	Det. No	Parts No	Description
1	46-1001-0-241	Cylinder	41	46-1001-4-510	Cylinder Support
2	46-1001-0-019	L-Connector	42	46-1000-9-747	Screw(M4-0.7×10)
3	46-1001-0-258	Connector	43	46-1000-0-644	Spring Washer
4	46-1001-4-481	Cylinder Support	44	46-1000-0-665	Washer
5	46-1000-9-752	Screw(M5-0.8×10)	45	※ 46-1001-0-260	Air Tubing(4×2.5mm)
6	46-1000-0-600	Spring Washer	46	46-1001-4-579	Rubber Shield
7	46-1000-0-669	Washer	※ Specify Length.		
8	46-1001-4-840	Universal Joint			
9	46-1001-4-482	Shaft			
10	46-1000-6-178	Screw(1/8-44×5.6)			
11	46-1001-4-578	Mount Block			
12	46-1001-4-483	Pick-up(10mm)			
13	46-1001-4-575	Thread Holder(Right)			
14	46-1001-4-576	Thread Holder(Left)			
15	46-1001-4-574	Pin			
16	46-1000-3-656	Screw(M3-0.5×3)			
17	46-1001-4-577	Press Pin			
18	46-1001-4-573	Pin			
19	46-1001-4-244	Trim Blade			
20	46-1000-1-222	Screw(1/8-44×4.8)			
21	46-1001-0-253	Cylinder			
22	46-1001-4-426	Throat Plate(10mm)			
23	46-1000-9-127	Screw(11/64-40×8)			
24	46-1000-9-142	Screw(9/64-40×4.8)			
25	46-1001-4-267	Lower Knife			
26	46-1000-1-613	Screw(3/32-56×3.1)			
27	46-1001-4-505	Fixed Knife(R)(10mm)			
28	46-1001-4-506	Fixed Knife(L)(10mm)			
29	46-1000-4-404	Screw(3/32-56×5.1)			
30	46-1001-4-501	Support Plate			
31	46-1000-7-678	Screw(1/4-40×8)			
32	46-1001-4-509	Knife Holder			
33	46-1000-6-198	Screw(1/4-40×7.5)			
34	46-1000-0-419	Nut			
35	46-1001-4-503	Knife(10mm)			
36	46-1000-4-358	Screw(9/64-40×5.6)			
37	46-1001-0-283	Y-Knuckle(3mm)			
38	46-1001-4-502	Collar			
39	46-1000-9-735	Screw(M4-0.7×4)			
40	46-1001-0-242	Cylinder			

13



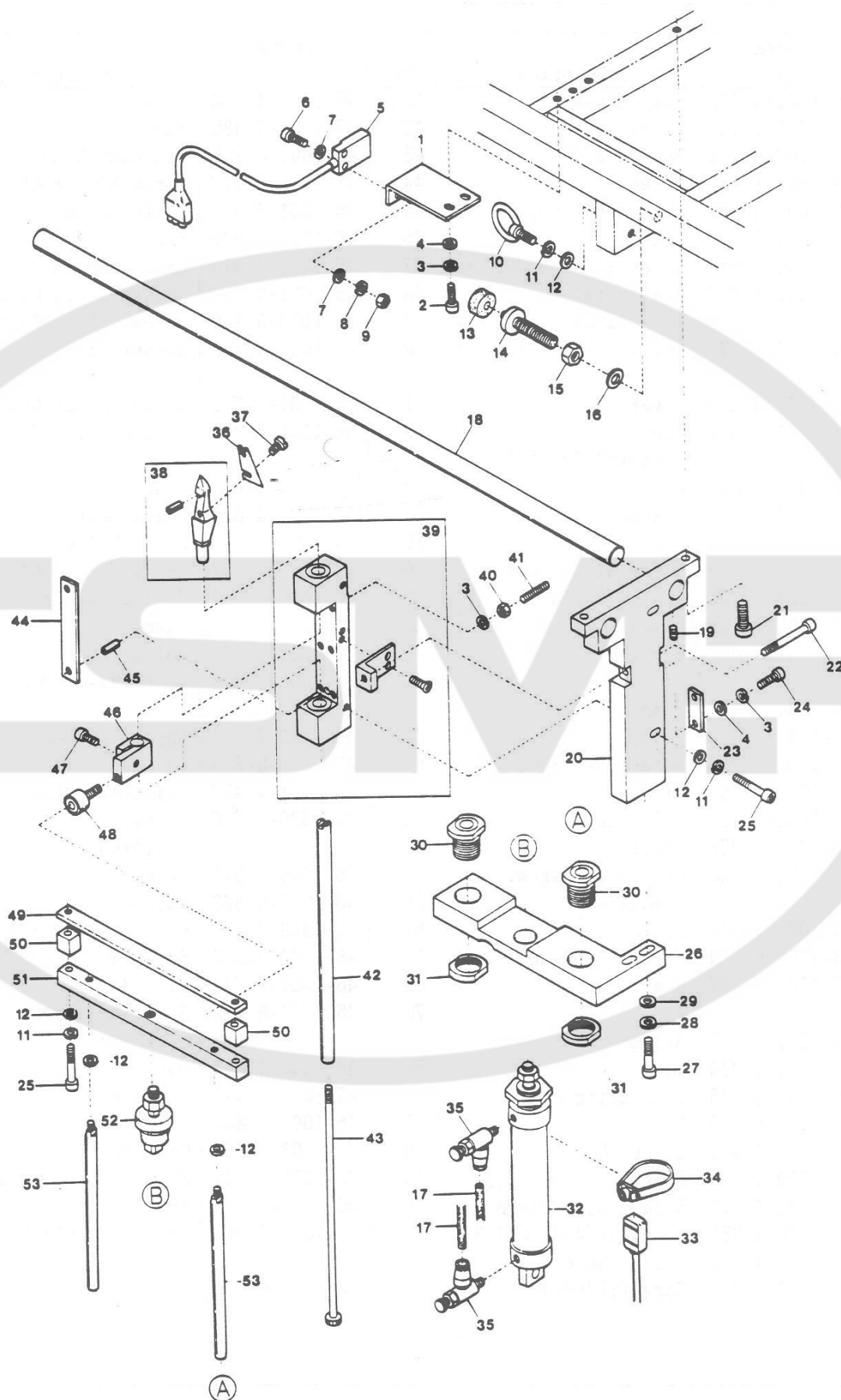
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CENTER KNIFE ASSEMBLY

Det. No	Parts No	Description	Det. No	Parts No	Description
1	46-1001-4-458	Main Shaft	41	46-1001-4-894	Lever
2	46-1001-5-185	Bushing(2)	42	46-1001-4-480	Pin
3	46-1000-8-233	Screw(15/64)	43	46-1001-4-799	Oil Wick Stay
4	46-1001-4-469	Lever	44	46-1000-9-746	Screw(M4-0.8×8)
5	46-1000-3-662	Screw(M6-1×6)	45	46-1001-4-438	Shaft Holder
6	46-1003-2-820	Collar	46	46-1001-4-436	Shaft
7	46-1000-7-650	Screw(11/64-40×5)	47	46-1001-4-478	Center Knife
8	46-1001-4-460	Bushing(1)	48	46-1001-4-459	Center Knife Clamp
9	46-1001-4-448	Lever Stop	49	46-1000-9-730	Screw(1/8-44×4.5)
10	46-1000-9-976	Screw(M6-1×15)	50	46-1000-4-258	Screw(1/8-44×2.1)
11	46-1001-4-449	Lever	51	46-1001-4-832	Center Knife Holder
12	46-1001-4-447	Pin	52	46-1001-4-895	Center Knife Guide
13	46-1000-3-656	Screw(M3-0.5×3)			Complete
14	46-1000-0-054	Nut	53	46-1001-4-834	Shaft
15	46-1000-0-432	Washer	54	46-1001-4-836	Slide Bearing
16	46-1001-4-454	Pin	55	46-1001-4-833	Shaft Holder
17	46-1000-9-735	Screw(M4-0.7×4)	56	46-1000-9-752	Screw(M5-0.8×15)
18	46-1001-4-462	Thrust Collar	57	46-1000-0-600	Spring Washer
19	46-1007-7-296	Collar	58	46-1000-0-669	Washer
20	46-1001-4-456	Bushing	59	46-1001-4-835	Collar
21	46-1001-4-457	Bushing	60	46-1000-9-736	Screw(M4-0.7×6)
22	46-1001-4-463	Lever	61	46-1000-0-667	Spring Washer
23	46-1000-9-935	Screw(M5-0.8×20)	62	46-1000-0-663	Washer
24	46-1001-4-464	Pin	63	46-1001-4-479	Cylinder Support
25	46-1000-1-117	Oil Wick	64	46-1000-1-156	Screw
26	46-1001-4-468	Shaft			(11/64-40×13.3)
27	46-1001-4-830	Regulator Assem. Complete	65	46-1000-0-014	Washer
28	46-1001-4-466	Plate	66	46-1000-0-538	Washer
29	46-1000-9-150	Screw(11/64-40×11)	67	46-1003-6-133	Cord Clamp(φ 8.4-5N)
30	46-1001-4-467	Regulator	68	46-1000-9-994	Screw(M3-0.5×7)
31	46-1001-4-472	Slider	69	46-1001-0-243	Cylinder
32	46-1001-4-474	Link	70	46-1000-6-229	Screw(M5-0.8×40)
33	46-1001-4-445	Connecting Pin	71	46-1000-0-009	Nut
34	46-1000-0-755	Pin	72	46-1001-4-442	Y-Knuckle
35	46-1001-4-465	Slider Link	73	46-1001-4-841	Universal Joint
36	46-1000-1-170	Screw(9/64-40×12)	74	46-1001-0-258	Connector
37	46-1001-4-471	Slider Stop Plate	75	46-1000-5-121	Screw(11/64-40×28)
38	46-1000-4-352	Screw(9/64-40×11.3)	76	46-1001-4-455	Spacer
39	46-1001-4-473	Slider Stop	77 ※	46-1001-0-260	Air Tubing(4×2.5mm)
40	46-1000-4-440	Screw(11/64-40×8.3)			※ Specify Length.

14



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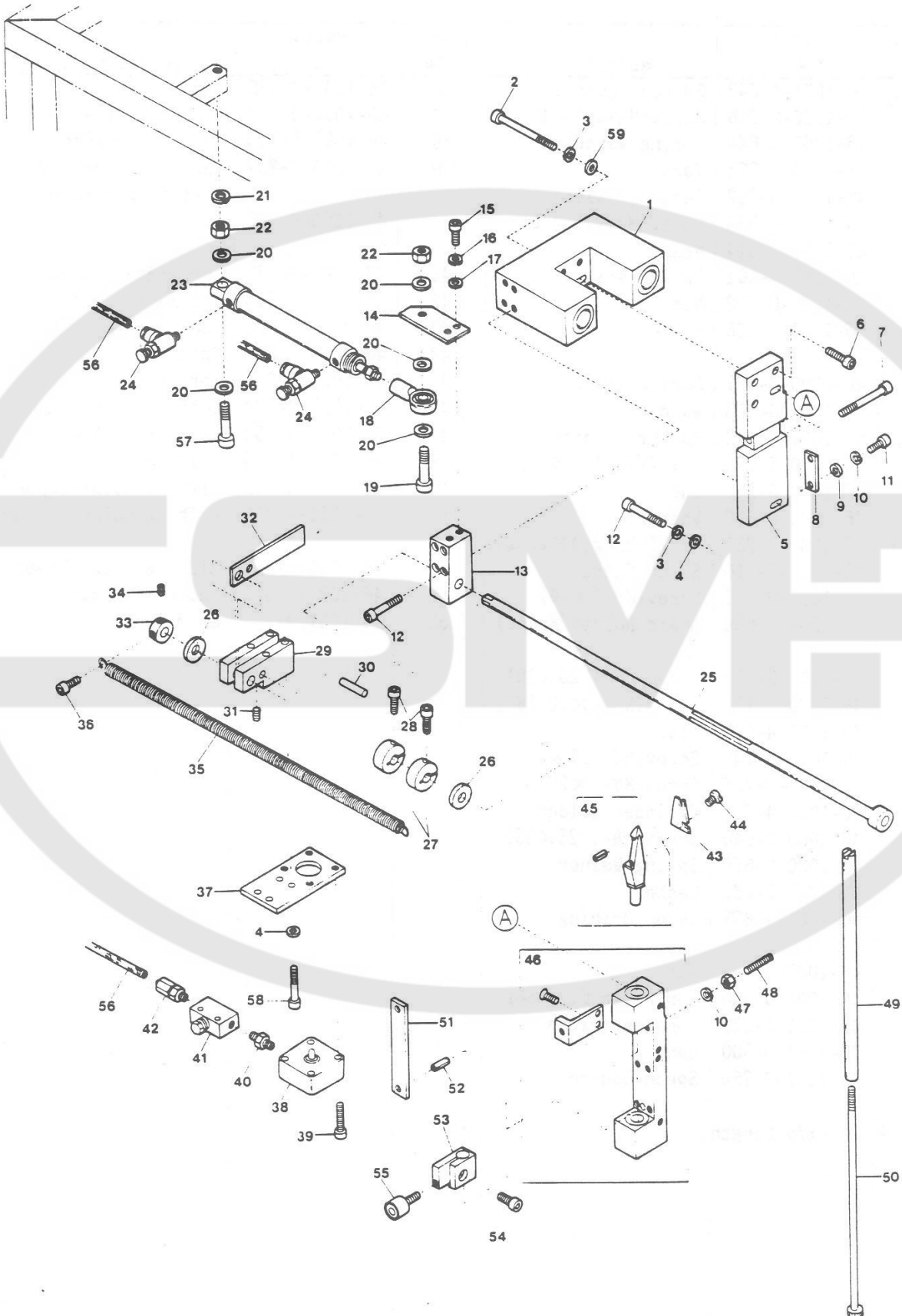
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TAB KNIFE SUPPORT PARTS

Det. No	Parts No	Description	Det. No	Parts No	Description
1	46-1001-4-695	Switch Support	36	46-1001-4-136	Tab Knife
2	46-1000-9-746	Screw(M4-0.7×8)	37	46-1000-9-798	Screw(11/128-56×4)
3	46-1000-0-644	Spring Washer	38	46-1001-5-216	Tab Finger(10mm)
4	46-1000-0-665	Washer	39	46-1001-4-897	Tab Finger Holder (Front), Complete
5	46-1001-0-902	Sensing Switch	40	46-1000-0-015	Nut
6	46-1000-9-764	Screw(M3-0.5×20)	41	46-1000-9-737	Screw(M4-0.7×20)
7	46-1000-0-014	Washer	42	46-1001-4-700	Tab Knife Shaft
8	46-1000-0-002	Spring Washer	43	46-1001-4-692	Lock Screw
9	46-1000-0-012	Nut	44	46-1001-4-691	Spacer
10	46-1000-6-226	Eyebolt	45	46-1000-0-035	Spring Pin
11	46-1000-0-667	Spring Washer	46	46-1001-4-704	Shaft Holder(Front)
12	46-1000-0-663	Washer	47	46-1000-9-752	Screw(M5-0.8×15)
13	46-1001-4-143	Rubber Cushion	48	46-1001-4-144	Bearing
14	46-1000-6-190	Bolt(M10-1.5×50)	49	46-1001-4-815	Lifting Guide(Upper)
15	46-1000-0-260	Nut	50	46-1001-4-817	Lifting Guide Spacer
16	46-1000-0-612	Washer	51	46-1001-4-816	Lifting Guide(Lower)
17 ※	46-1001-0-260	Air Tubing(4×2.5mm)	52	46-1001-4-842	Universal Joint
18	46-1001-4-110	Slide Shaft	53	46-1001-4-701	Guide Shaft
19	46-1000-9-740	Screw(M6-1×10)			
20	46-1001-4-699	Shaft Holder(Front)			
21	46-1000-9-936	Screw(M8-1.25×20)			
22	46-1000-6-176	Screw(M6-1×50(18))			
23	46-1001-4-129	Plate			
24	46-1000-9-747	Screw(M4-0.7×10)			
25	46-1000-9-754	Screw(M6-1×35)			
26	46-1001-4-711	Cylinder Holder			
27	46-1000-9-940	Screw(M8-1.25×35)			
28	46-1000-0-676	Spring Washer			
29	46-1000-0-666	Washer			
30	46-1001-4-899	Guide Bushing			
31	46-1001-4-709	Nut			
32	46-1001-0-240	Tab Knife Cylinder			
33	46-1001-0-921	Sensing Switch			
34	46-1001-0-300	Band			
35	46-1001-0-254	Speed Control			

※ Specify Length.

15



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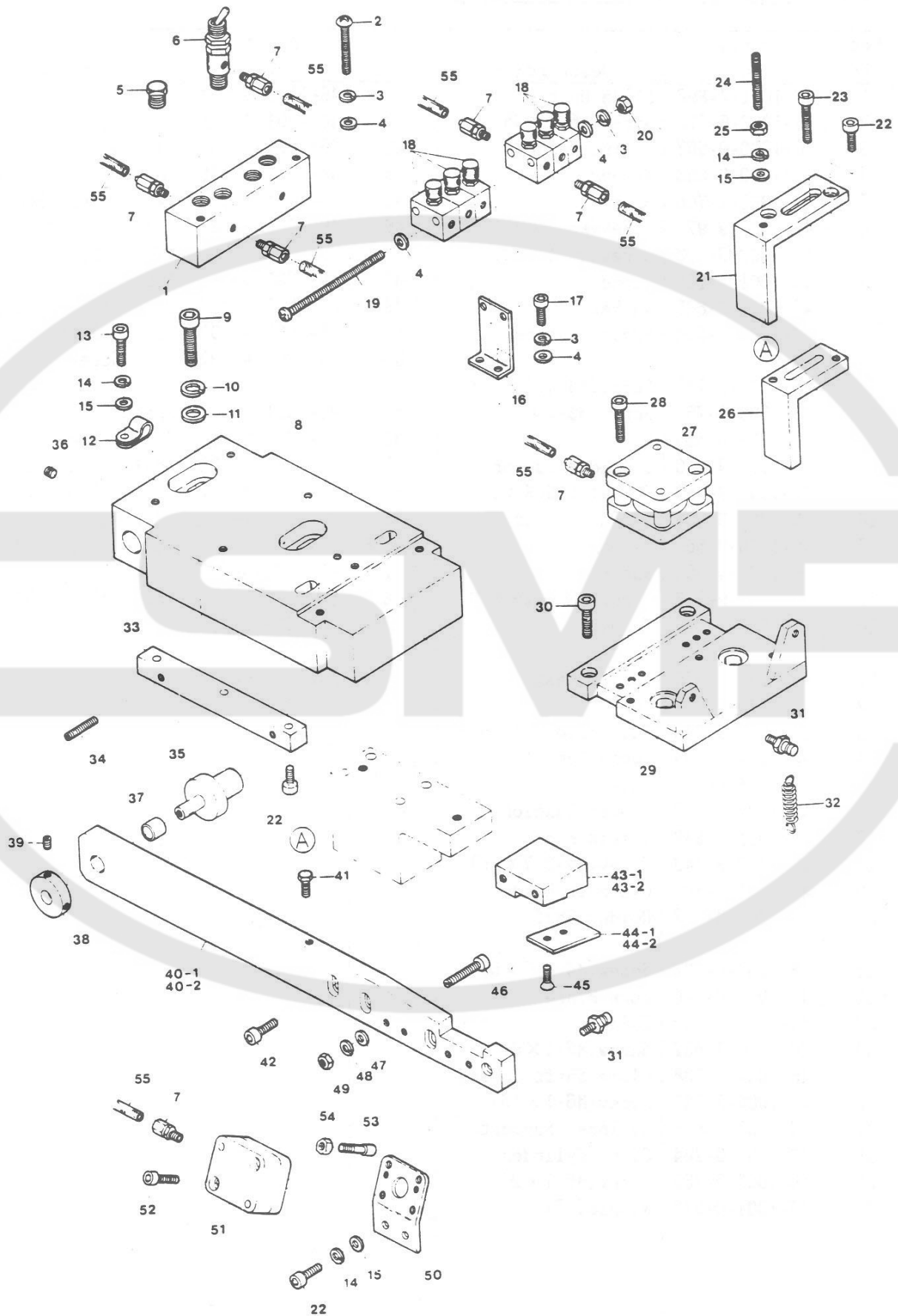
TAB KNIFE DRIVE PARTS

Det. No	Parts No	Description
1	46-1001-4-896	Slide Unit
2	46-1000-6-225	Screw(M6-1×65)
3	46-1000-0-667	Spring Washer
4	46-1000-0-663	Washer
5	46-1001-4-706	Block
6	46-1000-9-970	Screw(M6-1×20)
7	46-1000-6-176	Screw(M6-1×50)
8	46-1001-4-129	Plate
9	46-1000-0-665	Washer
10	46-1000-0-644	Spring Washer
11	46-1000-9-747	Screw(M4-0.7×10)
12	46-1000-9-754	Screw(M6-1×35)
13	46-1001-4-698	Block
14	46-1001-4-810	Cylinder Support
15	46-1000-9-752	Screw(M5-0.8×10)
16	46-1000-0-600	Spring Washer
17	46-1000-0-669	Washer
18	46-1001-4-402	Rod End
19	46-1000-9-758	Screw(M8-1.25×30)
20	46-1000-0-666	Washer
21	46-1000-0-676	Spring Washer
22	46-1000-0-016	Nut
23	46-1001-0-245	Tab Knife Cylinder
24	46-1001-0-254	Speed Control
25	46-1001-5-233	Shaft
26	46-1001-4-120	Rubber Cushion
27	46-1001-5-232	Switch Ring
28	46-1000-9-749	Screw(M4-0.7×16)
29	46-1001-4-697	Cylinder Holder
30	46-1001-4-117	Holder Shaft
31	46-1000-9-736	Screw(M4-0.7×6)
32	46-1001-4-116	Lock Plate
33	46-1001-4-119	Collar
34	46-1000-3-662	Screw(M6-1×6)
35	46-1001-4-108	Clamp Shaft Spring
36	46-1000-9-980	Screw(M6-1×10)
37	46-1001-4-693	Cylinder Support
38	46-1001-0-244	Clamp Cylinder
39	46-1000-9-753	Screw(M6-1×25)
40	46-1001-0-032	Nipple(M5)

Det. No	Parts No	Description
41	46-1001-0-054	Speed Control
42	46-1001-0-258	Connector
43	46-1001-4-136	Tab Knife
44	46-1000-9-798	Screw(11/128-56×4)
45	46-1001-5-216	Tab Finger(10mm)
46	46-1001-4-898	Tab Finger Holder (Rear), Complete
47	46-1000-0-015	Nut
48	46-1000-9-737	Screw(M4-0.7×20)
49	46-1001-4-700	Tab Knife Shaft
50	46-1001-4-692	Lock Screw
51	46-1001-4-691	Spacer
52	46-1000-0-035	Spring Pin
53	46-1001-4-705	Shaft Holder (Rear)
54	46-1000-9-752	Screw(M5-0.8×15)
55	46-1001-4-144	Bearing
56※	46-1001-0-260	Air Tubing(4×2.5mm)
57	46-1000-6-220	Screw(M8-1.25×40)
58	46-1000-9-755	Screw(M6-1×45)
59	46-1000-0-428	Washer

※ Specify Length.

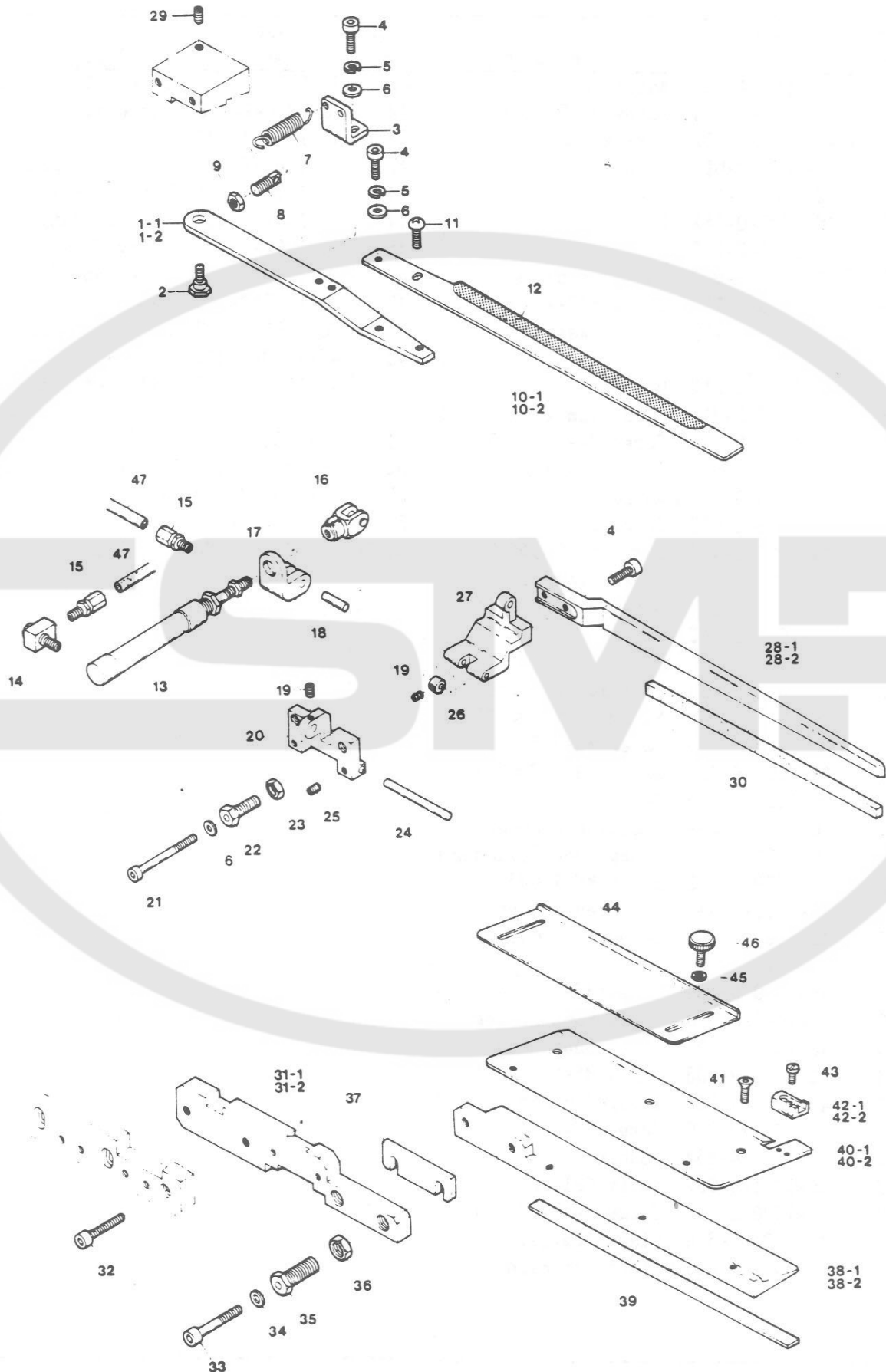
16



CARRIAGE ASSEMBLY

Det. No	Parts No	Description	Det. No	Parts No	Description
1	46-1001-4-625	Manifold	41	46-1000-6-215	Screw(M4-0.7×10)
2	46-1000-6-214	Screw(M3-0.5×40)	42	46-1000-9-976	Screw(M6-1×15)
3	46-1000-0-002	Spring Washer	43-1	46-1001-4-604	Support(Left)
4	46-1000-0-014	Washer	43-2	46-1001-4-603	" (Right)
5	46-1001-0-117	Seal Plug	44-1	46-1001-4-011	Plate(Left)
6	46-1001-0-182	TAC Valve	44-2	46-1001-4-010	" (Right)
7	46-1001-0-258	Connector	45	46-1000-9-776	Screw(M4-1.7×10)
8	46-1001-4-623	Carriage Block	46	46-1000-6-216	Screw(M6-1×40)
9	46-1000-9-761	Screw(M10-1.5×55)	47	46-1000-0-663	Washer
10	46-1000-0-439	Spring Washer	48	46-1000-0-667	Spring Washer
11	46-1000-0-612	Washer	49	46-1000-0-011	Nut
12	46-1006-3-612	Cord Clamp(φ6.8-4N)	50	46-1001-4-597	Cylinder Bracket
13	46-1000-9-992	Screw(M4-0.7×10)	51	46-1001-0-251	Cylinder
14	46-1000-0-644	Spring Washer	52	46-1000-9-935	Screw(M5-0.8×20)
15	46-1000-0-665	Washer	53	46-1001-4-605	Screw
16	46-1001-4-606	Support	54	46-1000-0-009	Nut
17	46-1000-9-744	Screw(M3-0.5×10)	55 ※	46-1001-0-260	Air Tubing(4×2.5mm)
18	46-1001-0-054	Speed Control	※ Specify Length.		
19	46-1000-6-248	Screw(M3-0.5×80)			
20	46-1000-0-012	Nut			
21	46-1001-4-598	Positioner(Upper)			
22	46-1000-9-747	Screw(M4-0.7×10)			
23	46-1000-9-750	Screw(M4-0.7×20)			
24	46-1000-6-213	Screw(M4-0.7×30)			
25	46-1000-0-015	Nut			
26	46-1001-4-599	Positioner(Lower)			
27	46-1001-0-250	Clamp Foot Cylinder			
28	46-1000-9-755	Screw(M6-1×45)			
29	46-1001-4-622	Cylinder Holder			
30	46-1000-9-970	Screw(M6-1×20)			
31	46-1000-6-183	Screw(M6-1×6.5)			
32	46-1001-4-030	Clamp Foot Spring			
33	46-1001-4-005	Adjustment Block			
34	46-1000-9-738	Screw(M5-0.8×30)			
35	46-1001-4-591	Clamp Foot Shaft			
36	46-1000-9-740	Screw(M6-1×10)			
37	46-1001-4-654	Bushing			
38	46-1001-4-592	Shaft Collar			
39	46-1000-3-655	Screw(M4-0.7×10)			
40-1	46-1001-4-638	Clamp Arm(Left)			
40-2	46-1001-4-639	Clamp Arm(Right)			

17



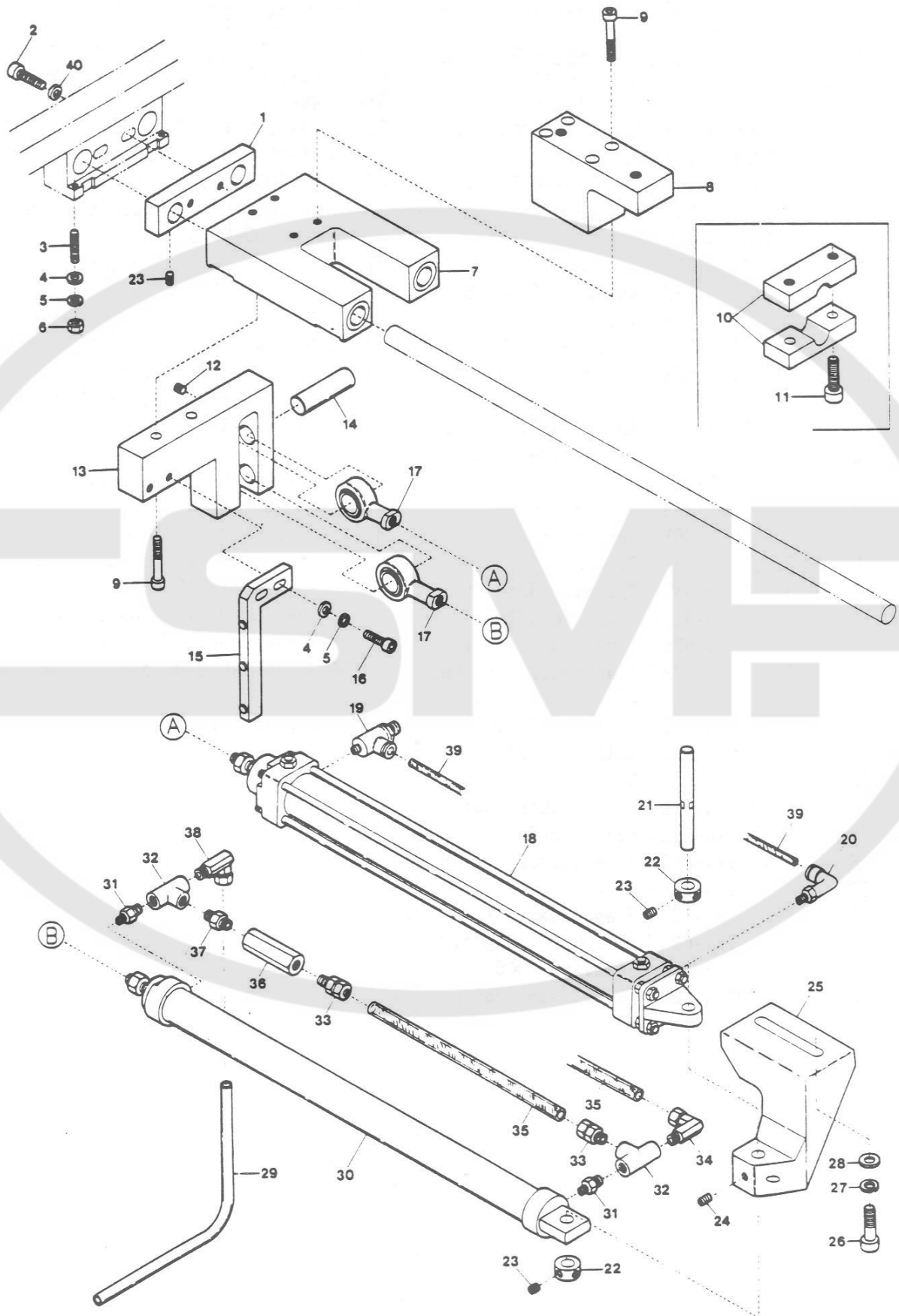
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CLAMPING & FOLDING PARTS

Det. No	Parts No	Description	Det. No	Parts No	Description
1-1	46-1001-4-620	Arm (Left)	31-1	46-1001-4-646	Connecting Arm(Left)
1-2	46-1001-4-621	" (Right)	31-2	46-1001-4-645	" (Right)
2	46-1000-6-188	Screw(M6-1×8)	32	46-1000-9-976	Screw(M6-1×15)
3	46-1001-4-607	Bracket	33	46-1000-9-964	Screw(M6-1×40)
4	46-1000-9-746	Screw(M4-0.7×8)	34	46-1000-0-663	Washer
5	46-1000-0-644	Spring Washer	35	46-1000-6-184	Bolt(M12-1×21)
6	46-1000-0-665	Washer	36	46-1000-6-185	Nut
7	46-1001-4-653	Spring	37	-----	Spacer
8	46-1000-6-638	Screw(5/32-40×9.5)			(See page 35,36)
9	46-1000-0-339	Nut	38-1	46-1001-4-629	Clamp Foot(Left)
10-1	46-1001-4-970	Brush Blade(Left)	38-2	46-1001-4-628	" (Right)
10-2	46-1001-4-969	" (Right)	39	46-1001-4-589	Clamp Foot Rubber
11	46-1000-6-227	Screw(M4-0.7×5)	40-1	46-1001-4-644	Cover Plate(Left)
12		Reflective Sheet	40-2	46-1001-4-643	" (Right)
13	46-1001-0-274	Cylinder	41	46-1000-6-217	Screw(M3-0.5×3.25)
14	46-1001-0-019	L-Connector	42-1	46-1001-4-640	Stop(Left)
15	46-1001-0-258	Connector	42-2	46-1001-4-641	" (Right)
16	46-1001-0-284	Clevis	43	46-1000-5-044	Screw(1/8-44×2.4)
17	46-1001-4-587	Cylinder Bracket	44	46-1001-4-619	Flap Gauge
18	46-1001-4-609	Shaft(for47)	45	46-1000-0-014	Washer
19	46-1000-3-656	Screw(M3-0.5×3)	46	46-1000-9-791	Screw(M3-0.5×6)
20	46-1001-4-608	Flap Holder Bracket	47 ※	46-1001-0-260	Air Tubing(4×2.5mm)
21	46-1000-6-235	Screw(M4-0.7×35)	※ Specify Length.		
22	46-1000-6-193	Bolt(M8×19)			
23	46-1000-0-145	Nut			
24	46-1001-4-611	Flap Holder Shaft			
25	46-1000-6-212	Screw(M5-0.8×6)			
26	46-1001-4-610	Flap Holder Collar			
27	46-1001-4-614	Flap Holder			
28-1	46-1001-4-627	Flap Clamp(Left)			
28-2	46-1001-4-626	" (Right)			
29	46-1000-3-662	Screw(M6-1×6)			
30	46-1001-4-590	Flap Clamp Rubber			

18



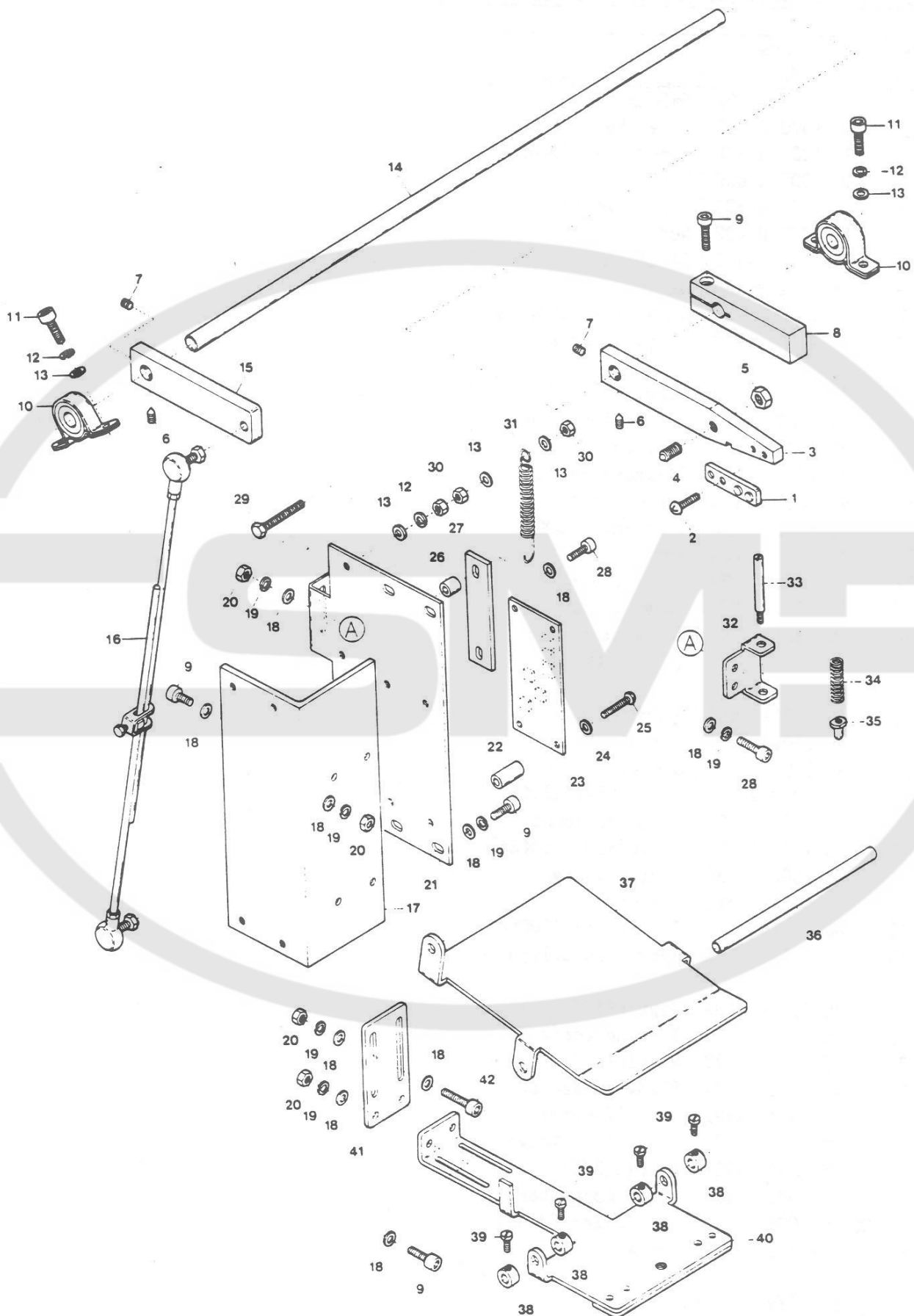
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CARRIAGE DRIVE COMPONENTS

Det. No	Parts No	Description
1	46-1001-4-101	Holder
2	46-1000-6-220	Screw(M8-1.25×30)
3	46-1000-9-738	Screw(M5-0.8×30)
4	46-1000-0-669	Washer
5	46-1000-0-600	Spring Washer
6	46-1000-0-009	Nut
7	46-1001-4-112	Slide Unit
8	46-1001-4-106	Block
9	46-1000-9-759	Screw(M8-1.25×55)
10	46-1001-4-613	Shipping Lock
11	46-1000-9-753	Screw(M6-1×30)
12	46-1000-6-212	Screw(M5-0.8×6)
13	46-1001-4-624	Cylinder Holder
14	46-1001-4-600	Cylinder Shaft
15	46-1001-4-773	Magnet Unit
16	46-1000-9-935	Screw(M5-0.8×20)
17	46-1001-4-400	Rod End
18	46-1001-0-252	Drive Cylinder
19	46-1001-0-255	Speed Control
20	46-1001-0-267	Elbow Connector (ϕ 6-1/4)
21	46-1001-4-648	Support Shaft
22	46-1001-4-651	Collar
23	46-1000-3-662	Screw(M6-1×6)
24	46-1000-9-916	Screw(M8-1.25×8)
25	46-1001-4-652	Cylinder Mount
26	46-1000-9-760	Screw(M10-1.5×35)
27	46-1000-0-439	Spring Washer
28	46-1000-0-612	Washer
29	46-1001-0-295	Copper Pipe(600mm)
30	46-1001-0-276	Hydraulic Cylinder
31	46-1001-0-209	Nipple(1/4-3/8)
32	46-1001-0-210	T-Connector(3/8)
33	46-1001-0-277	Nipple(3/8)
34	46-1001-0-207	Elbow Connector
35 ※	46-1001-0-282	Tube(12×8mm)
36	46-1001-0-176	Oil Relief Valve
37	46-1001-0-208	Nipple(3/8)
38	46-1001-0-205	Elbow Connector
39 ※	46-1001-0-261	Air Tubing(6×4mm)
40	46-1000-0-429	Washer
※ Specify Length.		

19



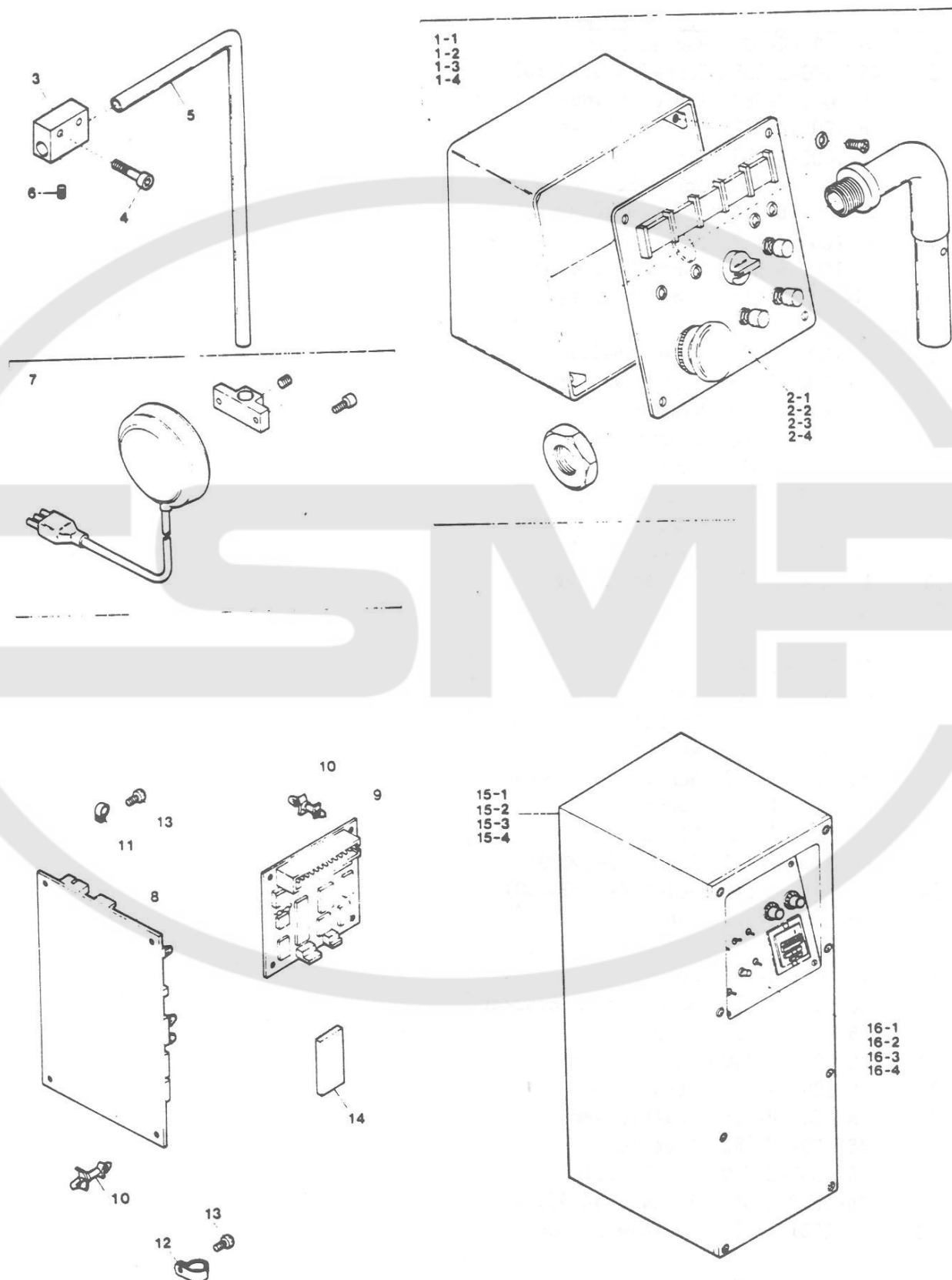
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FOOT TREADLE ASSOCIATE PARTS

Det. No	Parts No	Description
1	46-1001-4-767	Magnet Unit
2	46-1000-9-956	Screw(M3-0.5×10)
3	46-1001-4-763	Magnet Holder
4	46-1001-4-725	Spring Plunger
5	46-1000-0-054	Nut
6	46-1000-6-206	Screw(M5-0.8×8)
7	46-1000-6-212	Screw(M5-0.8×6)
8	46-1001-4-918	Stop
9	46-1000-9-970	Screw(M6-1×20)
10	46-1001-4-758	Shaft Bearing
11	46-1000-9-936	Screw(M8-1.25×20)
12	46-1000-0-676	Spring Washer
13	46-1000-0-666	Washer
14	46-1001-4-769	Shaft(Upper)
15	46-1001-4-919	Lever
16	46-1001-4-722	Pitman Unit
17	46-1001-4-921	Angle Plate
18	46-1000-0-663	Washer
19	46-1000-0-667	Spring Washer
20	46-1000-0-011	Nut
21	46-1001-4-920	Plate
22	46-1001-0-914	Spacer
23	46-1001-4-903	Treadle Switch Unit
24	46-1000-0-014	Washer
25	46-1000-9-957	Screw(M3-0.5×16)
26	46-1001-4-917	Spacer
27	46-1001-4-723	Plate
28	46-1000-9-970	Screw(M6-1×20)
29	46-1000-9-978	Bolt(M8-1.25×50)
30	46-1000-0-016	Nut
31	46-1001-4-757	Spring
32	46-1001-4-759	Stop Spring Bracket
33	46-1001-4-756	Stop Pin
34	46-1001-4-760	Stop Spring
35	46-1001-4-761	Stop(Upper)
36	46-1001-4-765	Shaft(Lower)
37	46-1001-4-752	Treadle
38	46-1003-2-719	Shaft Collar
39	46-1000-4-351	Screw(9/64-40×7)
40	46-1001-4-753	Treadle Support
41	46-1001-4-739	Plate
42	46-1000-6-201	Screw(M6-1×50)

20



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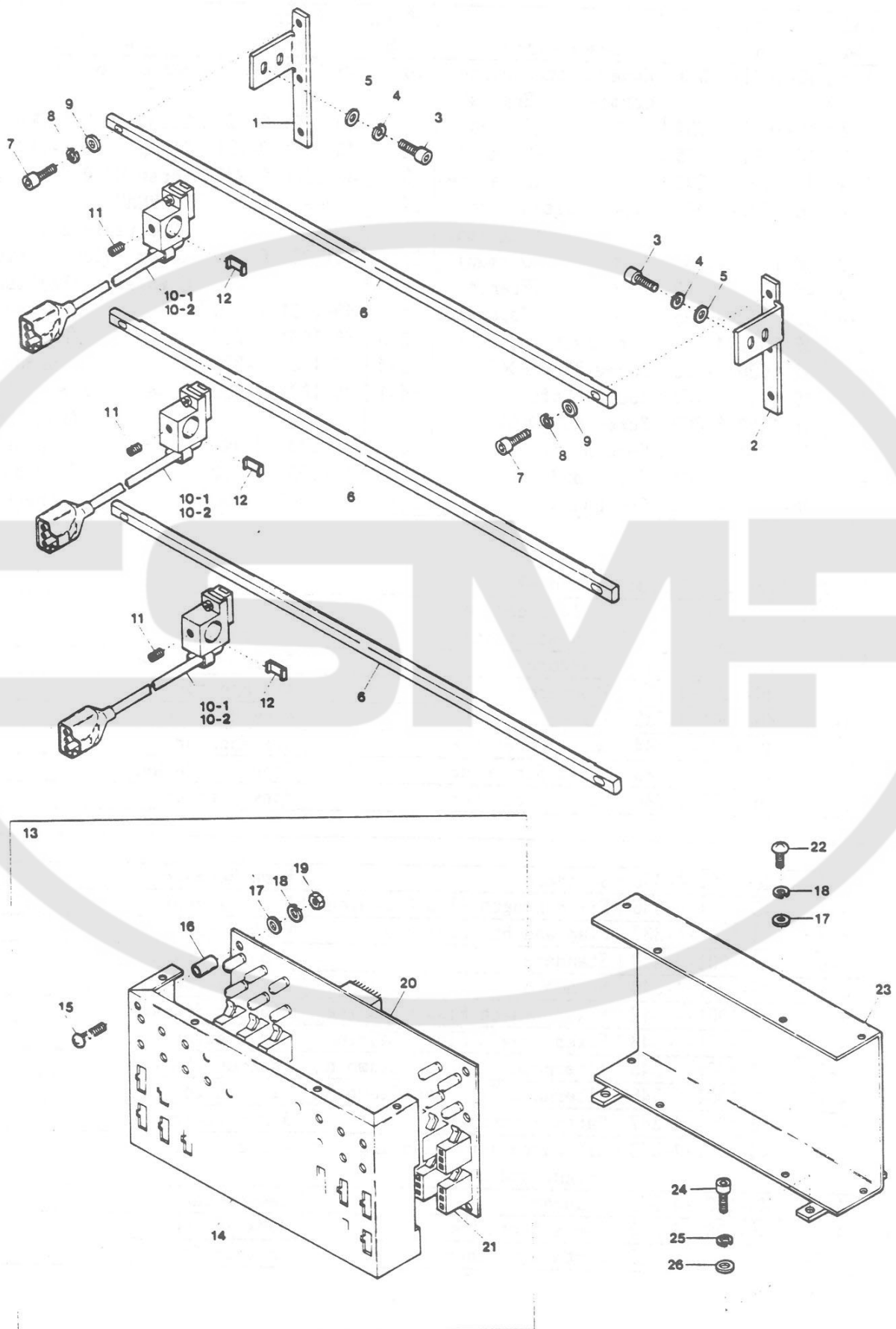
CONTROL PANELS, KNEE SWITCH, EPROM LIST

Ref. No	Parts No	Description	Ref. No	Parts No	Description
1-1	46-1001-4-911	Upper Switch Plate Complete (English)	10	46-1001-0-954	Board Support
1-2	46-1001-4-254	" (German)	11	46-1001-0-720	Clamp (φ 12.2-7N)
1-3	46-1001-4-255	" (French)	12	46-1001-0-721	Clamp (φ 19.0-11N)
1-4	46-1001-4-270	" (Japanese)	13	46-1000-9-975	Screw (M4-0.7×8.8)
2-1	46-1001-4-987	Upper Switch Plate (English)	14	-----	"EPROM" (See table below.)
2-2	46-1001-4-988	" (German)	15-1	46-1001-0-916	Lower Switch Plate Complete (English)
2-3	46-1001-4-989	" (French)	15-2	46-1001-4-256	" (German)
2-4	46-1001-4-995	" (Japanese)	15-3	46-1001-4-257	" (French)
3	46-1001-4-738	Knee Switch Holder	15-4	46-1001-4-271	" (Japanese)
4	46-1000-6-205	Screw (M5-0.8×30)	16-1	46-1001-4-990	Lower Switch Plate (English)
5	46-1001-4-747	Mount Shaft	16-2	46-1001-4-991	" (German)
6	46-1000-3-662	Screw (M6-1×6)	16-3	46-1001-4-992	" (French)
7	46-1001-4-909	Knee Switch	16-4	46-1001-4-996	" (Japanese)
8	46-1001-4-901	I,O Board			
9	46-1001-4-900	CPU Board			

"EPROM" list for Series 46 and 47

EPROM No	Parts No	Application description	for use with
3-2	46-1001-4-280	Standard	Trouser Stacker
3-3	46-1001-4-281	Standard	Air Ejector
3-4	46-1001-4-282	Standard	Work Remover
3-6	46-1001-4-284	Darts Stretcher	Air Ejector
3-7	46-1001-4-285	Darts Stretcher	Trouser Stacker
3-8	46-1001-4-286	Darts Stretcher	Work Remover
4-2	46-1001-4-335	Standard	Work Remover
4-3	46-1001-4-336	Fixed Length Flap Clamping	Work Remover
4-4	46-1001-4-337	Flap and Bag Clamping	Work Remover
4-6	46-1001-4-339	Standard	Trouser Stacker
4-7	46-1001-4-340	Standard	Air Ejector
4-9	46-1001-4-342	Fixed Length Flap Clamping	Trouser Stacker
4-10	46-1001-4-343	Fixed Length Flap Clamping	Air Ejector
4-12	46-1001-4-345	Alternate Flap/Bag Clamping	Trouser Stacker
4-13	46-1001-4-346	Alternate Flap/Bag Clamping	Air Ejector
4-14	46-1001-4-347	Darts Stretcher	Air Ejector
4-15	46-1001-4-348	Alternate Work Clamping Right and Left	Air Ejector
4-16	46-1001-4-349	Standard	Reece Coat Stacker
4-17	46-1001-4-350	Darts Stretcher	Work Remover
4-18	46-1001-4-351	Darts Stretcher	Trouser Stacker

21



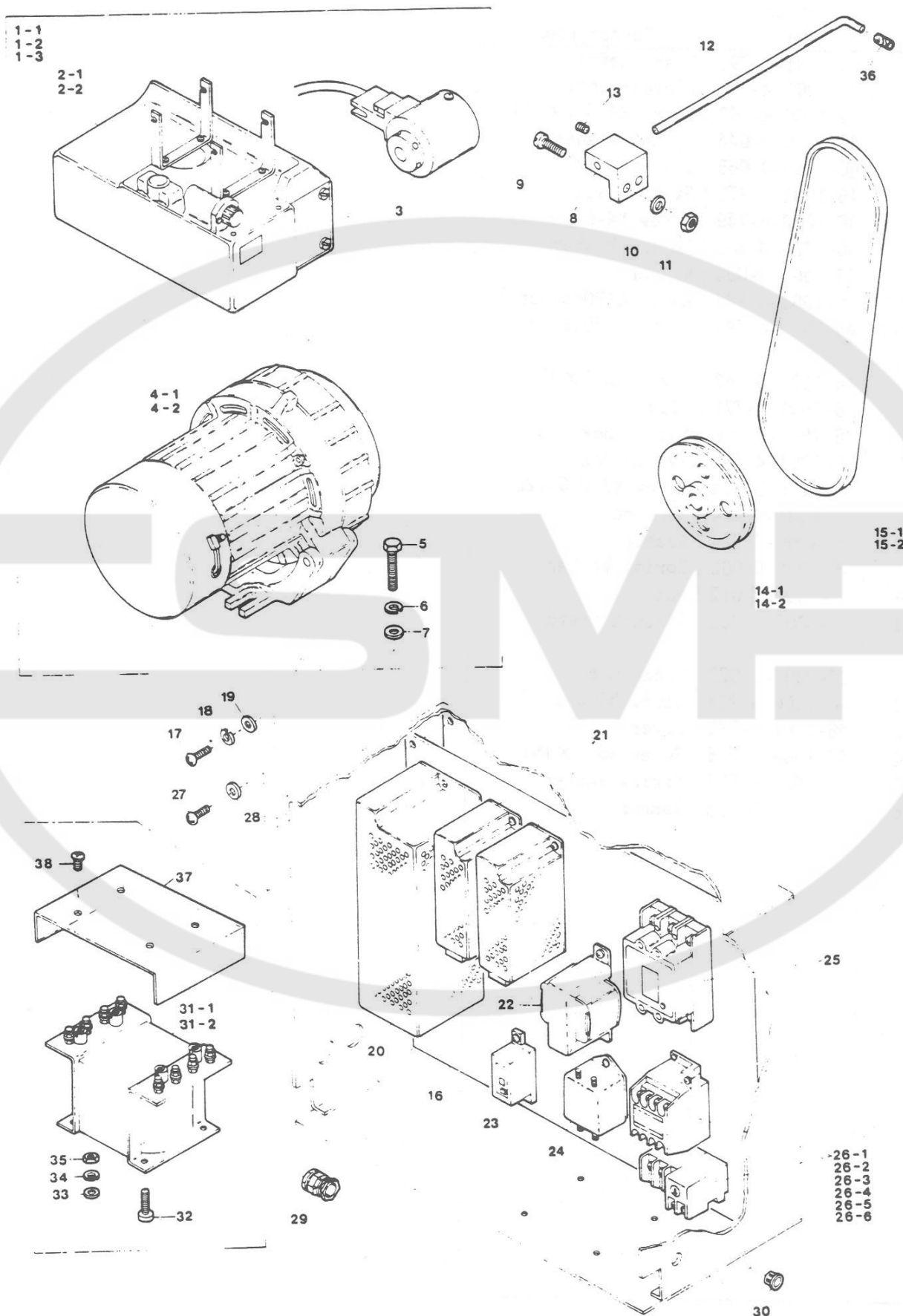
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**OPERATIONAL MAGNETIC SWITCH,
RECEPTACLE BOX**

Ref. No	Parts No	Description
1	46-1001-4-790	Plate(Left)
2	46-1001-4-791	Plate(Right)
3	46-1000-9-748	Screw(M4-0.7×12)
4	46-1000-0-644	Spring Washer
5	46-1000-0-665	Washer
6	46-1001-4-772	Switch Rail
7	46-1000-9-749	Screw(M4-0.7×15)
8	46-1000-0-600	Spring Washer
9	46-1000-0-669	Washer
10-1	46-1001-4-783	Hall IC(90cm-Cord)
10-2	46-1001-4-784	" (70cm ")
11	46-1000-3-662	Screw(M6-1×6)
12	46-1001-4-771	Clip
13	46-1001-4-916	Switch Box Complete
14	46-1001-4-787	Switch Box
15	46-1000-9-799	Screw(M3-0.5×25)
16	46-1001-0-924	Support
17	46-1000-0-014	Washer
18	46-1000-0-002	Spring Washer
19	46-1000-0-012	Nut
20	46-1001-4-902	Circuit Board
21	46-1001-0-923	Connector
22	46-1000-9-994	Screw(M3-0.5×7)
23	46-1001-4-789	Cover
24	46-1000-9-976	Screw(M6-1×15)
25	46-1000-0-667	Spring Washer
26	46-1000-0-663	Washer

22



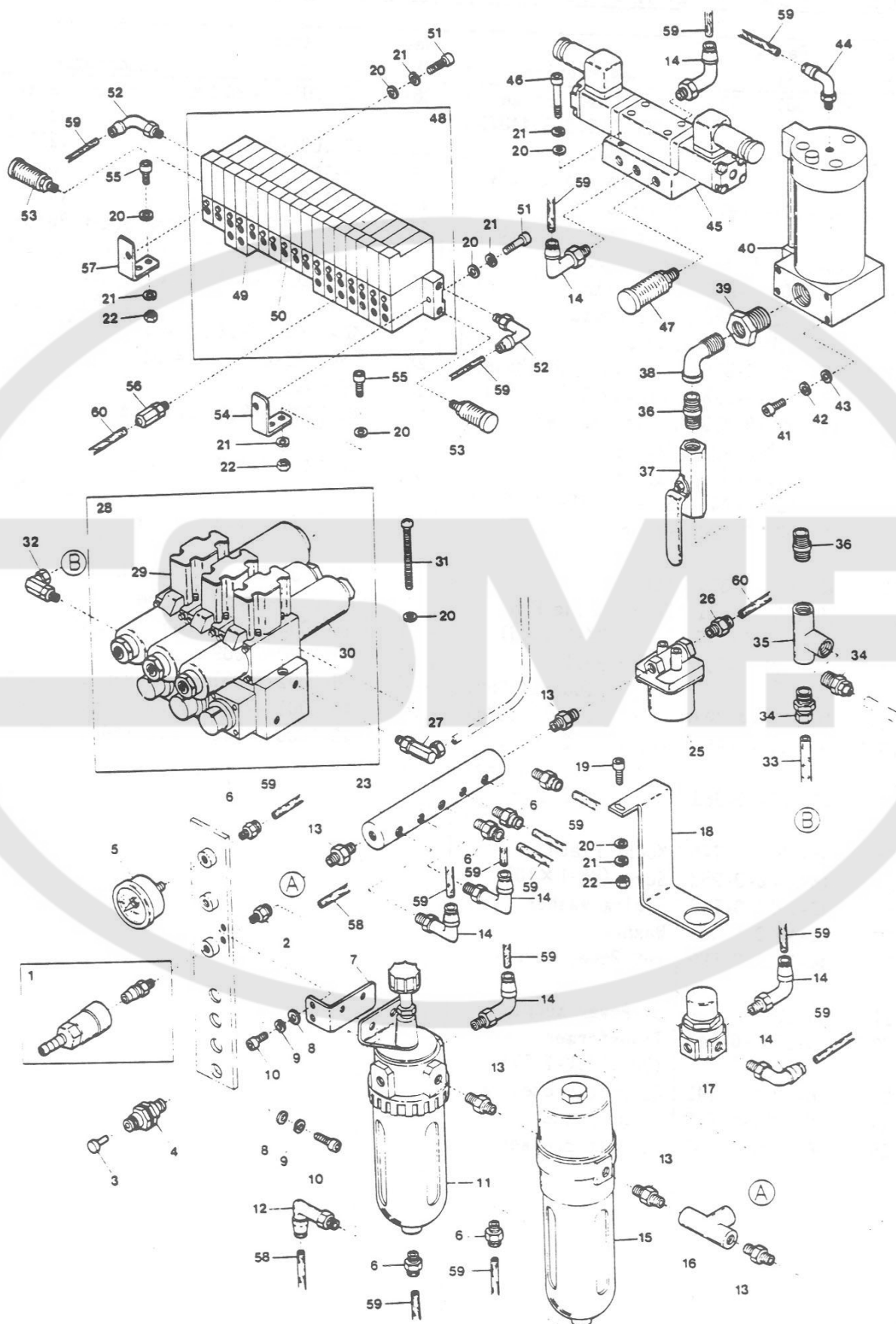
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MAIN POWER SUPPLY & DRIVE MOTOR

Det. No	Parts No	Description	Det. No	Parts No	Description
1-1	46-1001-0-900	Motor Unit(3Phase 200,220,380,440V)	26-1	46-1001-0-894	Motor Start Relay (200V)
1-2	46-1001-0-965	Motor Unit (Single Phase 100V)	26-2	46-1001-0-895	" (220V)
1-3	46-1001-0-978	Motor Unit (Single Phase 220V)	26-3	46-1001-0-896	" (380V)
2-1	46-1001-0-957	Motor Control	26-4	46-1001-0-897	" (440V)
2-2	46-1001-0-977	" (Single Phase)	26-5	46-1001-0-913	Motor Start Relay (Single Phase 100V)
3	46-1001-0-956	Synchronizer	26-6	46-1001-0-979	Motor Start Relay (Single Phase 220V)
4-1	46-1001-0-955	Motor	27	46-1000-9-992	Screw(M4-0.7×10)
4-2	46-1001-0-976	" (Single Phase)	28	46-1000-0-665	Washer
5	46-1000-9-928	Screw(M10-1.5×30)	29	46-1001-0-959	Bushing
6	46-1000-0-439	Spring Washer	30	46-1001-0-958	Bushing
7	46-1000-0-432	Washer	31-1	46-1001-0-137	Transformer (380,440V)
8	46-1001-4-418	Pin Holder	31-2	46-1001-0-998	Transformer (100,110V)
9	46-1000-4-445	Screw(11/64-40×11)	32	46-1000-9-751	Screw(M5-0.8×15)
10	46-1000-0-530	Washer	33	46-1000-0-669	Washer
11	46-1000-0-334	Nut	34	46-1000-0-600	Spring Washer
12	46-1001-4-421	Positioning Pin	35	46-1000-0-009	Nut
13	46-1000-9-736	Screw(M4-0.7×6)	36	46-1002-2-837	Synchronizer Cushion
14-1	46-1001-4-797	Motor Pulley (100mm) (60Hz)	37	46-1001-4-999	Transformer Cover
14-2	46-1001-4-798	" (120") (50Hz)	38	46-1000-9-770	Screw(M4-0.7×8)
15-1	46-1001-0-987	V-Belt(M52 inch) (60Hz)			
15-2	46-1001-0-988	" (M53 inch) (50Hz)			
16	46-1001-4-746	Mount Plate			
17	46-1000-9-953	Screw(M6-1×10)			
18	46-1000-0-667	Spring Washer			
19	46-1000-0-663	Washer			
20	46-1001-0-899	24V Power Supply			
21	46-1001-0-898	5V Power Supply			
22	46-1001-0-845	Transformer (200,220V-2.5V)			
23	46-1001-0-842	Circuit Protector			
24	46-1001-0-846	Noise Filter			
25	46-1001-0-893	Circuit Breaker			

23



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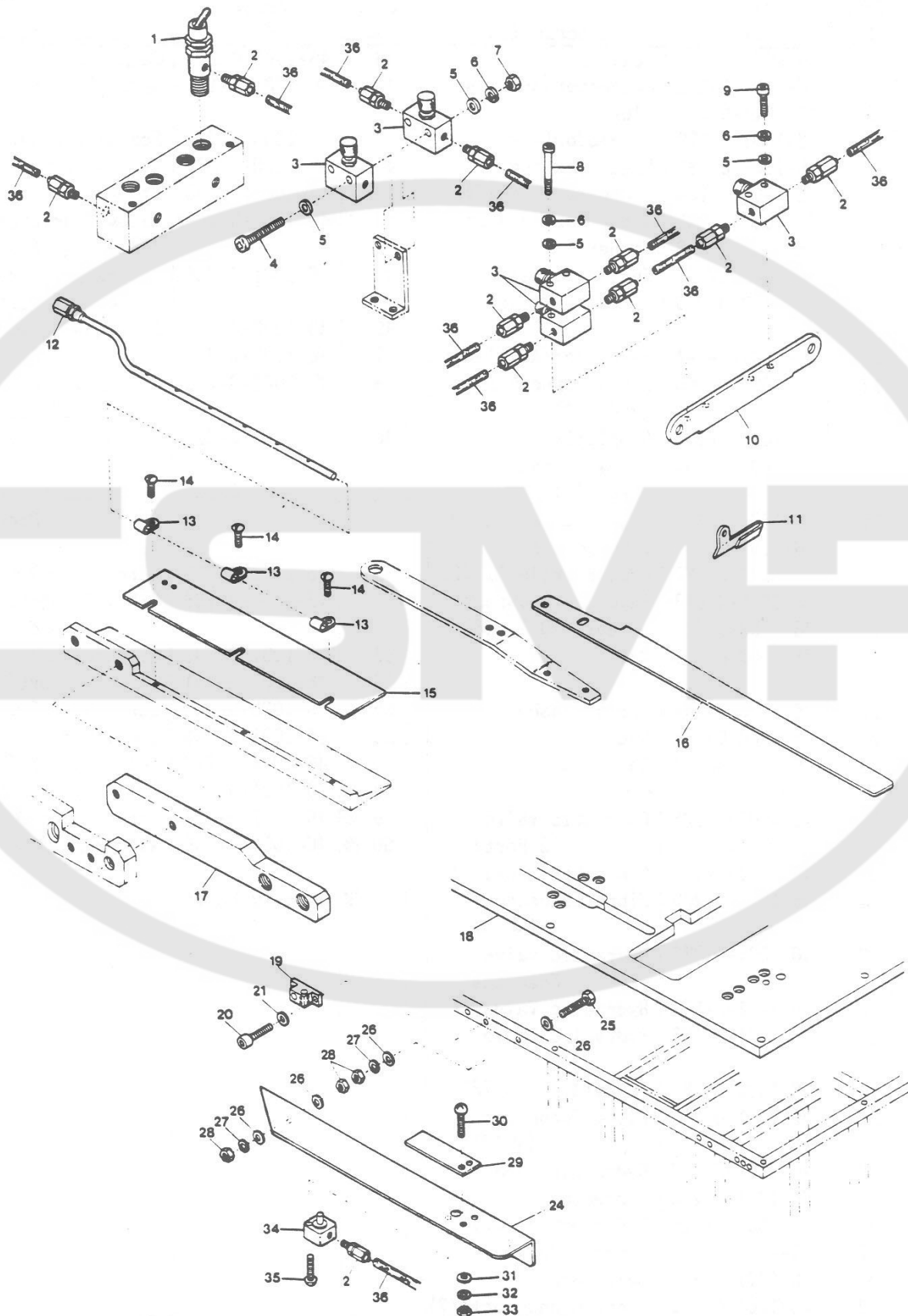
PNEUMATIC & HYDRAULIC PARTS

Det. No	Parts No	Description	Det. No	Parts No	Description
1	46-1001-0-227	Coupler	39	46-1001-0-221	Connector
2	46-1001-0-265	Connector (ϕ 8-1/4)	40	46-1001-0-181	Hydraulic Converter
3	46-1001-0-278	Plug			
4	46-1001-0-270	Connector (ϕ 4)	41	46-1000-9-752	Screw (M5-0.8 $\times$ 15)
5	46-1001-0-188	Pressure Gauge	42	46-1000-0-600	Spring Washer
6	46-1001-0-264	Connector (ϕ 6-1/4)	43	46-1000-0-669	Washer
7	46-1001-4-745	Regulator Support	44	46-1001-0-268	Elbow Connector (ϕ 6-3/8)
8	46-1000-0-663	Washer	45	46-1001-0-238	Pneumatic Valve (5 Port, 3 Position)
9	46-1000-0-667	Spring Washer	46	46-1000-6-219	Screw (M4-0.7 $\times$ 30)
10	46-1000-9-976	Screw (M6-1 $\times$ 15)	47	46-1001-0-257	Silencer (MF8)
11	46-1001-0-184	Regulator (AW211-02B)	48	47-1001-0-273	Pneumatic Valve Block (17 Valves)
12	46-1001-0-269	Elbow Connector (ϕ 8-1/4)	49	46-1001-0-235	Pneumatic Valve (4 Port)
13	46-1001-0-023	Nipple (1/4)	50	46-1001-0-234	Pneumatic Valve (3 Port)
14	46-1001-0-267	Elbow Connector (ϕ 6-1/4)			
15	46-1001-0-239	Oil Mist Separator	51	46-1000-9-750	Screw (M4-0.7 $\times$ 20)
16	46-1001-0-021	T-Connector	52	46-1001-0-266	Elbow Connector (ϕ 6-1/8)
17	46-1001-0-185	Regulator (AR111-02)	53	46-1001-0-143	Silencer (MF6)
18	46-1001-4-913	Regulator Support	54	46-1001-4-741	Valve Support (Right)
19	46-1000-9-749	Screw (M4-0.7 $\times$ 16)	55	46-1000-9-747	Screw (M4-0.7 $\times$ 10)
20	46-1000-0-665	Washer	56	46-1001-0-258	Connector
21	46-1000-0-644	Spring Washer	57	46-1001-4-742	Valve Support (Left)
22	46-1000-0-015	Nut	58	※ 46-1001-0-262	Air Tubing (8 $\times$ 6 mm)
23	46-1001-4-744	Manifold	59	※ 46-1001-0-261	Air Tubing (6 $\times$ 4 ")
24	.....	.....	60	※ 46-1001-0-260	Air Tubing (4 $\times$ 2.5 ")
25	46-1001-0-125	Pneumatic Valve (2 Port)			
26	46-1001-0-078	Connector (ϕ 4-1/4)			
27	46-1001-0-205	Elbow Connector (ϕ 10)			
28	46-1001-0-275	Hydraulic Valve Complete			
29	46-1001-0-172	Hydraulic Valve			
30	46-1001-0-173	Hydraulic Valve			
31	46-1000-9-783	Screw (M4-0.7 $\times$ 75)			
32	46-1001-0-207	Elbow Connector (ϕ 12)			
33	46-1001-0-282	Hydraulic Tube			
34	46-1001-0-204	Connector			
35	46-1001-0-216	T-Connector (1/2)			
36	46-1001-0-213	Nipple (1/2)			
37	46-1001-0-212	Ball Cock			
38	46-1001-0-220	Elbow Connector (1/2)			

※ Specify Length.

24

Series 46(1)



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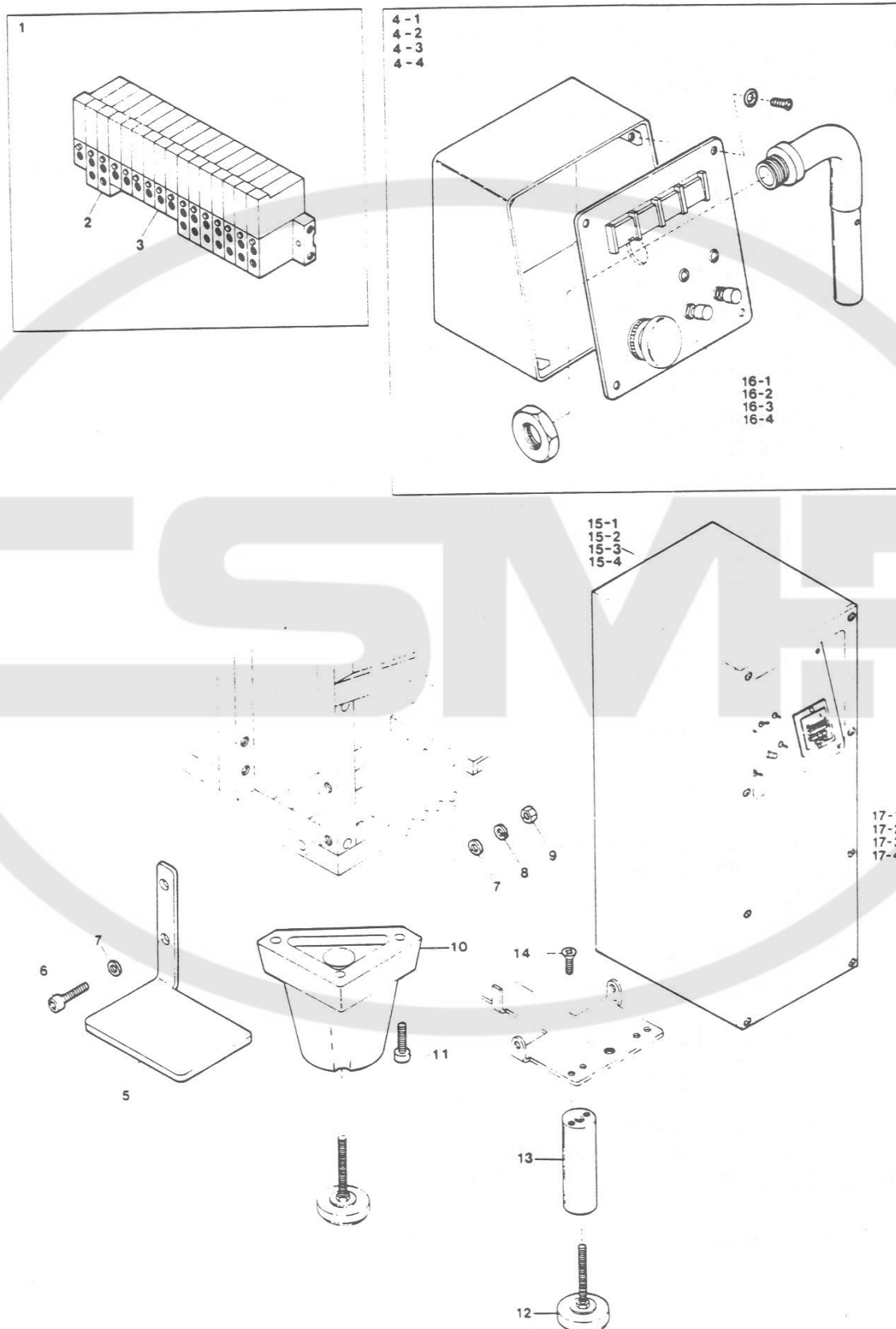
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Series 46 CLAMPING & FOLDING PARTS

Det. No	Parts No	Description
1	46-1001-0-182	TAC Valve
2	46-1001-0-258	Connector
3	46-1001-0-054	Speed Control
4	46-1000-9-793	Screw (M3-0.5×35)
5	46-1000-0-014	Washer
6	46-1000-0-002	Spring Washer
7	46-1000-0-012	Nut
8	46-1000-9-768	Screw (M3-0.5×30)
9	46-1000-9-745	Screw (M3-0.5×15)
10	46-1001-4-430	Support
11	46-1001-4-260	Needle Thread Eyelet
12	46-1001-4-601	Air Nozzle
13	46-1001-4-647	Clamp
14	46-1000-6-233	Screw (M3-0.5×5)
15	46-1001-4-612	Cover Plate (8,10,12,14 mm)
16	46-1001-4-023	Brush Blade
17	46-1001-4-618	Connecting Arm
18	46-1001-4-674	Table Top (8,10,12,14 mm)
19	46-1001-4-792	Shaft Holder
20	46-1000-6-225	Screw (M6-1×65)
21	46-1000-0-663	Washer
22	.....	.....
23	.....	.....
24	46-1001-4-670	Extension Plate
25	46-1000-6-232	Screw (M8-1.25×80)
26	46-1000-0-666	Washer
27	46-1000-0-676	Spring Washer
28	46-1000-0-016	Nut
29	46-1001-4-660	Material Clamp
30	46-1000-9-770	Screw (M4-0.7×8)
31	46-1000-0-665	Washer
32	46-1000-0-644	Spring Washer
33	46-1000-0-015	Nut
34	46-1001-0-248	Cylinder
35	46-1000-9-801	Screw (M3-0.5×20)
36 ※	46-1001-0-260	Air Tubing (4×2.5mm)
※ Specify Length.		

25

Series 46(2)



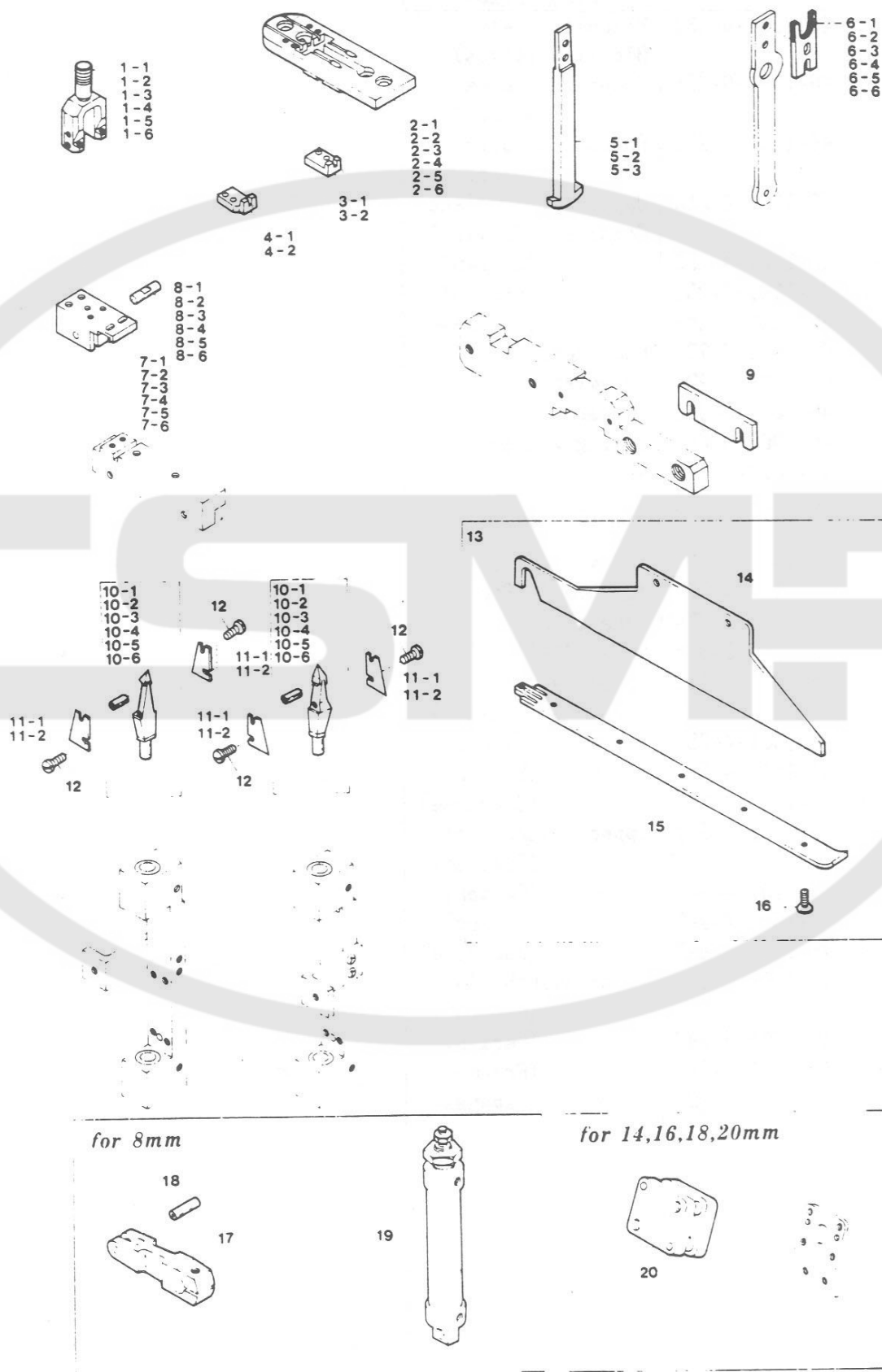
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**Series 46 PNEUMATIC VALVES,
CONTROL PANELS, ELEVERTOR PARTS**

Det. No	Parts No	Description
1	46-1001-0-237	Pneumatic Valve Block(16 Valves)
2	46-1001-0-235	Pneumatic Valve (4 Port)
3	46-1001-0-234	Pneumatic Valve (3 Port)
4-1	46-1001-4-910	Upper Switch Plate Complete (English)
4-2	46-1001-4-250	" (German)
4-3	46-1001-4-251	" (French)
4-4	46-1001-4-268	" (Japanese)
5	46-1001-4-735	Foot Rest
6	46-1000-9-970	Screw(M6-1×20)
7	46-1000-0-663	Washer
8	46-1000-0-667	Spring Washer
9	46-1000-0-011	Nut
10	46-1001-4-808	Holder
11	46-1000-9-761	Screw(M10-1.5×55)
12	46-1001-4-724	Adjustable Foot
13	46-1001-4-734	Extension
14	46-1000-9-895	Screw(M6-1×20)
15-1	46-1001-0-915	Lower Switch Plate Complete (English)
15-2	46-1001-4-252	" (German)
15-3	46-1001-4-253	" (French)
15-4	46-1001-4-269	" (Japanese)
16-1	46-1001-4-981	Upper Switch Plate (English)
16-2	46-1001-4-982	" (German)
16-3	46-1001-4-983	" (French)
16-4	46-1001-4-993	" (Japanese)
17-1	46-1001-4-984	Lower Switch Plate (English)
17-2	46-1001-4-985	" (German)
17-3	46-1001-4-986	" (French)
17-4	46-1001-4-994	" (Japanese)

26

Series 46, 47-8, 12, 14, 16, 18, 20mm(1)



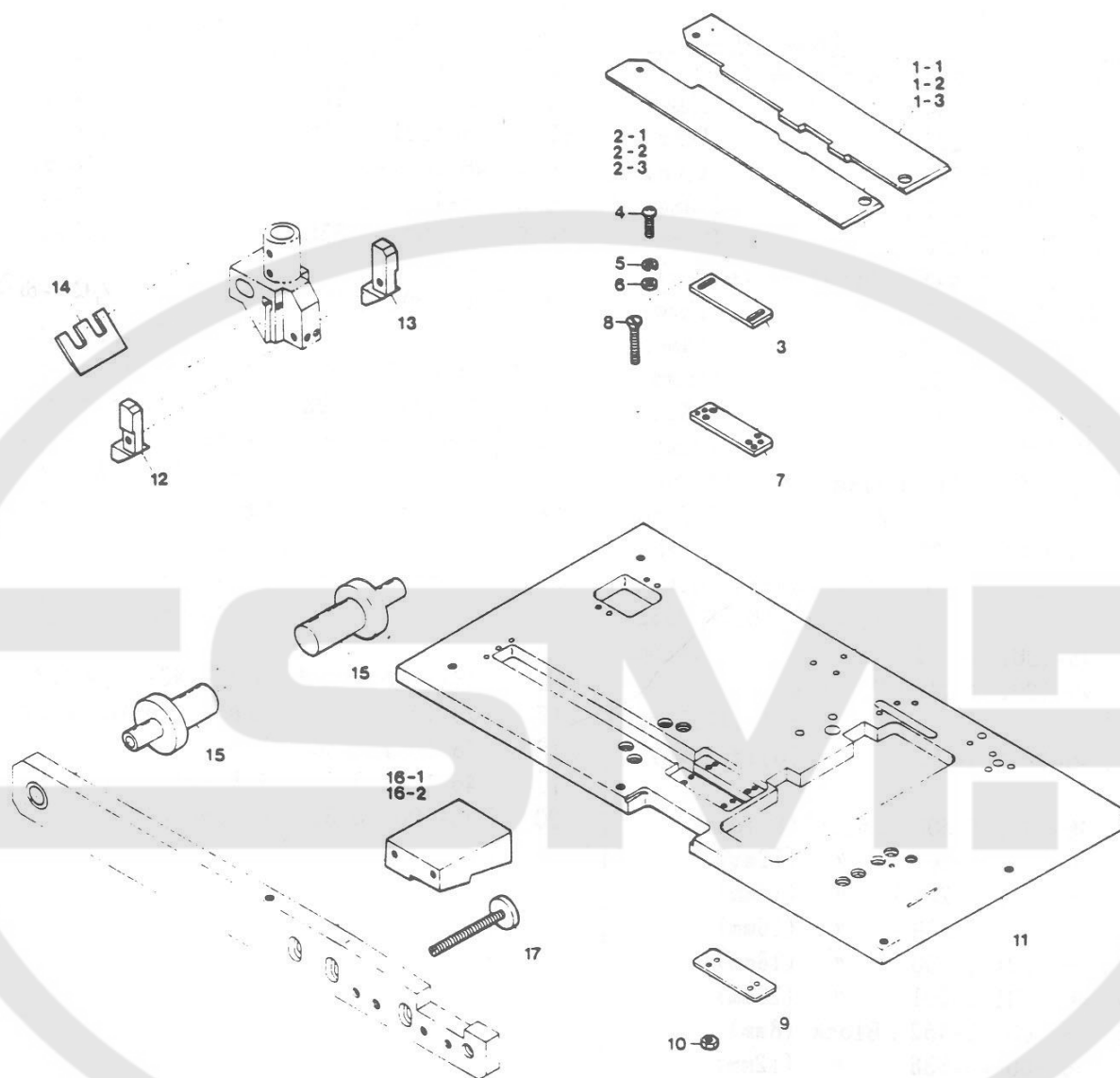
BITE GAUGE PARTS

Det. No	Parts No	Description
1-1	46-1001-5-446	Needle Head (8mm)
1-2	46-1001-4-434	" (12mm)
1-3	46-1001-5-203	" (14mm)
1-4	46-1001-5-251	" (16mm)
1-5	46-1001-5-252	" (18mm)
1-6	46-1001-5-253	" (20mm)
2-1	46-1001-5-448	Throat Plate(8mm)
2-2	46-1001-4-427	" (12mm)
2-3	46-1001-4-489	" (14mm)
2-4	46-1001-5-254	" (16mm)
2-5	46-1001-5-255	" (18mm)
2-6	46-1001-5-256	" (20mm)
3-1	46-1001-4-505	Fixed Knife(Right) (8,10,14,16,18,20mm)
3-2	46-1001-4-507	" (12mm)
4-1	46-1001-4-506	Fixed Knife(Left) (8,10,14,16,18,20mm)
4-2	46-1001-4-508	" (12mm)
5-1	46-1001-4-483	Pick-up (8,10,12,14mm)
5-2	46-1001-5-302	" (16,18,20mm)
6-1	46-1001-4-503	Knife (8,10mm)
6-2	46-1001-4-504	" (12mm)
6-3	46-1001-5-201	" (14mm)
6-4	46-1001-5-299	" (16mm)
6-5	46-1001-5-300	" (18mm)
6-6	46-1001-5-301	" (20mm)
7-1	46-1001-5-452	Block (8mm)
7-2	46-1001-4-538	" (12mm)
7-3	46-1001-5-202	" (14mm)
7-4	46-1001-5-293	" (16mm)
7-5	46-1001-5-294	" (18mm)
7-6	46-1001-5-295	" (20mm)
8-1	46-1001-5-445	Shaft (8mm)
8-2	46-1001-4-522	" (12mm)
8-3	46-1001-5-200	" (14mm)
8-4	46-1001-5-296	" (16mm)
8-5	46-1001-5-297	" (18mm)
8-6	46-1001-5-298	" (20mm)
9	-----	Clamp Foot Spacer (See Page 35,36)

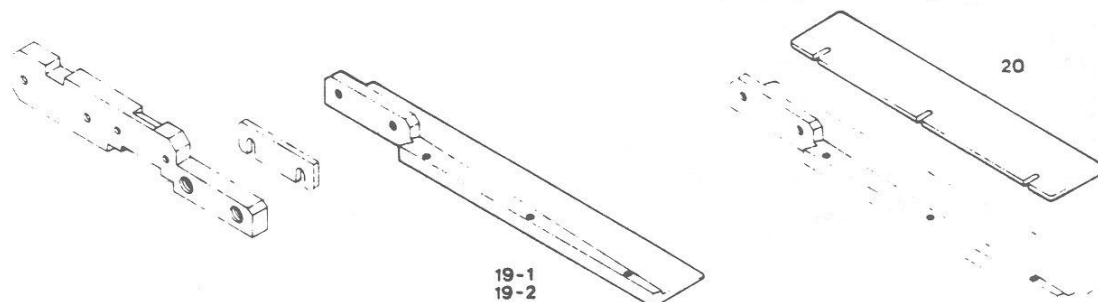
Det. No	Parts No	Description
10-1	46-1001-5-451	Tab Finger (8mm)
10-2	46-1001-5-217	" (12mm)
10-3	46-1001-5-218	" (14mm)
10-4	46-1001-5-356	" (16mm)
10-5	46-1001-5-357	" (18mm)
10-6	46-1001-5-358	" (20mm)
11-1	46-1001-4-136	Tab Knife 1,12" - cl 02c (8,10,12,14mm)
11-2	46-1001-5-289	" (16,18,20mm)
12	46-1000-9-798	Screw(11/128-56×4)
13	-----	Patch Guide Complete (See Page 35,36)
14	-----	Patch Guide(Upper) (See Page 35,36)
15	-----	Patch Guide(Lower) (See Page 35,36)
16	46-1000-9-734	Screw(M2-0.4×4.8)
17	46-1001-5-447	Center Knife Lever
18	46-1001-5-449	Pin
19	46-1001-0-314	Tab Knife Cylinder
20	46-1001-0-311	Cylinder

27

Series 46, 47-16, 18, 20mm(2)



Series 46 only



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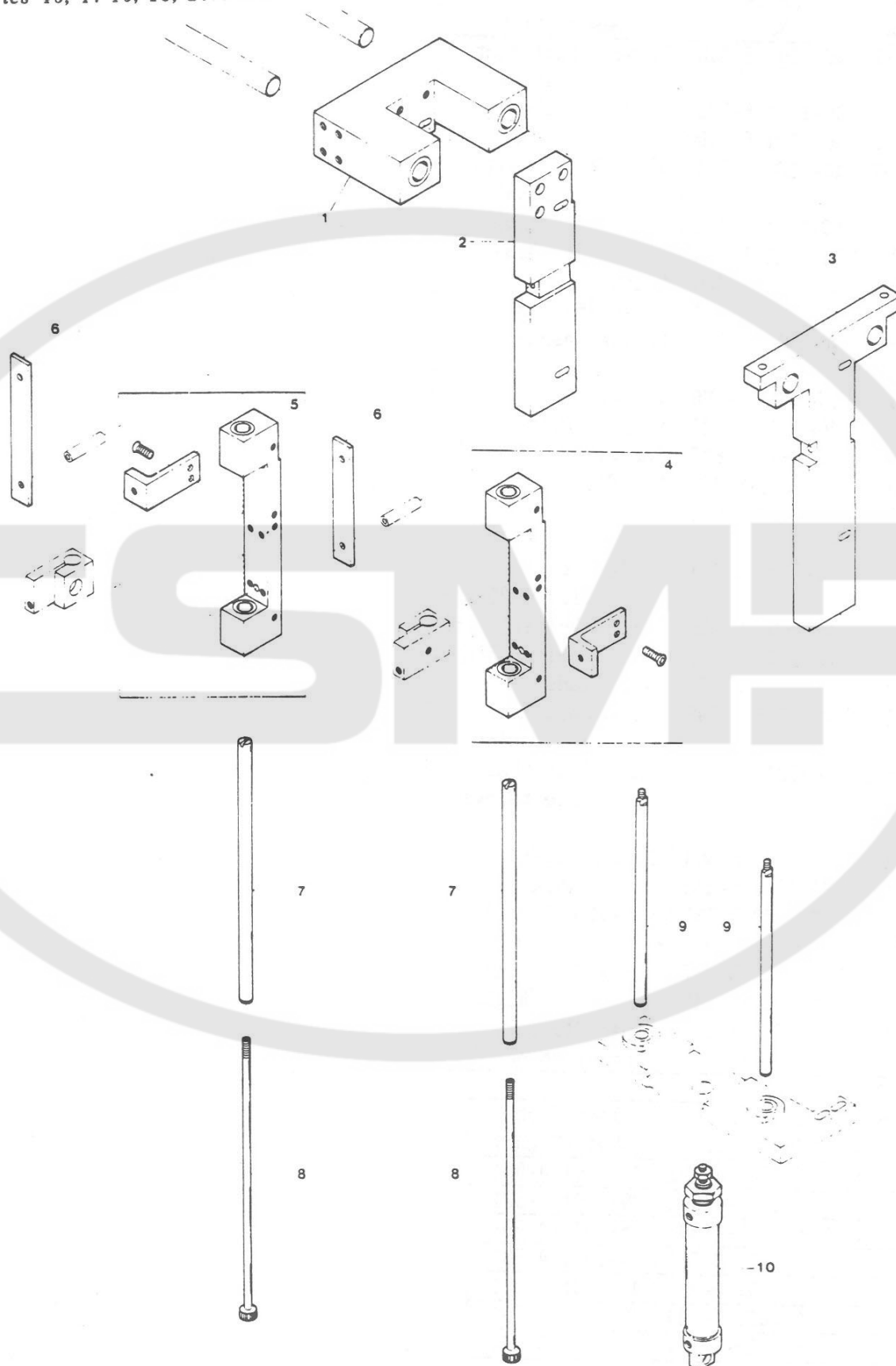
BITE GAUGE PARTS 16,18,20 mm ONLY

Det. No	Parts No	Description
1-1	46-1001-5-308	Slide Plate(Right) (16mm)
1-2	46-1001-5-309	" (18mm)
1-3	46-1001-5-310	" (20mm)
2-1	46-1001-5-311	Slide Plate(Left) (16mm)
2-2	46-1001-5-312	" (18mm)
2-3	46-1001-5-313	" (20mm)
3	46-1001-5-330	Plate
4	46-1000-9-954	Screw(M6-1×8)
5	46-1000-0-676	Spring Washer
6	46-1000-0-666	Washer
7	46-1001-5-329	Support Plate
8	46-1000-9-807	Screw(M8-1.25×36)
9	46-1001-5-328	Nut Plate
10	46-1000-0-016	Nut
11	46-1001-5-331	Table Top (16,18,20 mm)
12	46-1001-5-290	Thread Holder(Left)
13	46-1001-5-291	Thread Holder(Right)
14	46-1001-5-292	Trim Blade
15-1	46-1001-4-591	Clamp Foot Shaft (See Table below)
15-2	46-1001-5-244	Clamp Foot Shaft (See Table below)
16-1	46-1001-5-304	Support(Left)
16-2	46-1001-5-303	" (Right)
17	46-1000-9-733	Screw(M6-1×55)
18	.....	.....
19-1	46-1001-5-247	Clamp Foot(Left)
19-2	46-1001-5-248	" (Right)
20	46-1001-5-241	Cover Plate (Series 46 only)

Bite (mm)	Clamp Foot Shaft(Left)	Clamp Foot Shaft(Right)
8	46-1001-4-591	46-1001-4-591
10	46-1001-4-591	46-1001-4-591
12	46-1001-4-591	46-1001-4-591
14	46-1001-4-591	46-1001-4-591
16	46-1001-5-244	46-1001-4-591
18	46-1001-5-244	46-1001-4-591
20	46-1001-5-244	46-1001-5-244

28

Series 46, 47-16, 18, 20mm(3)



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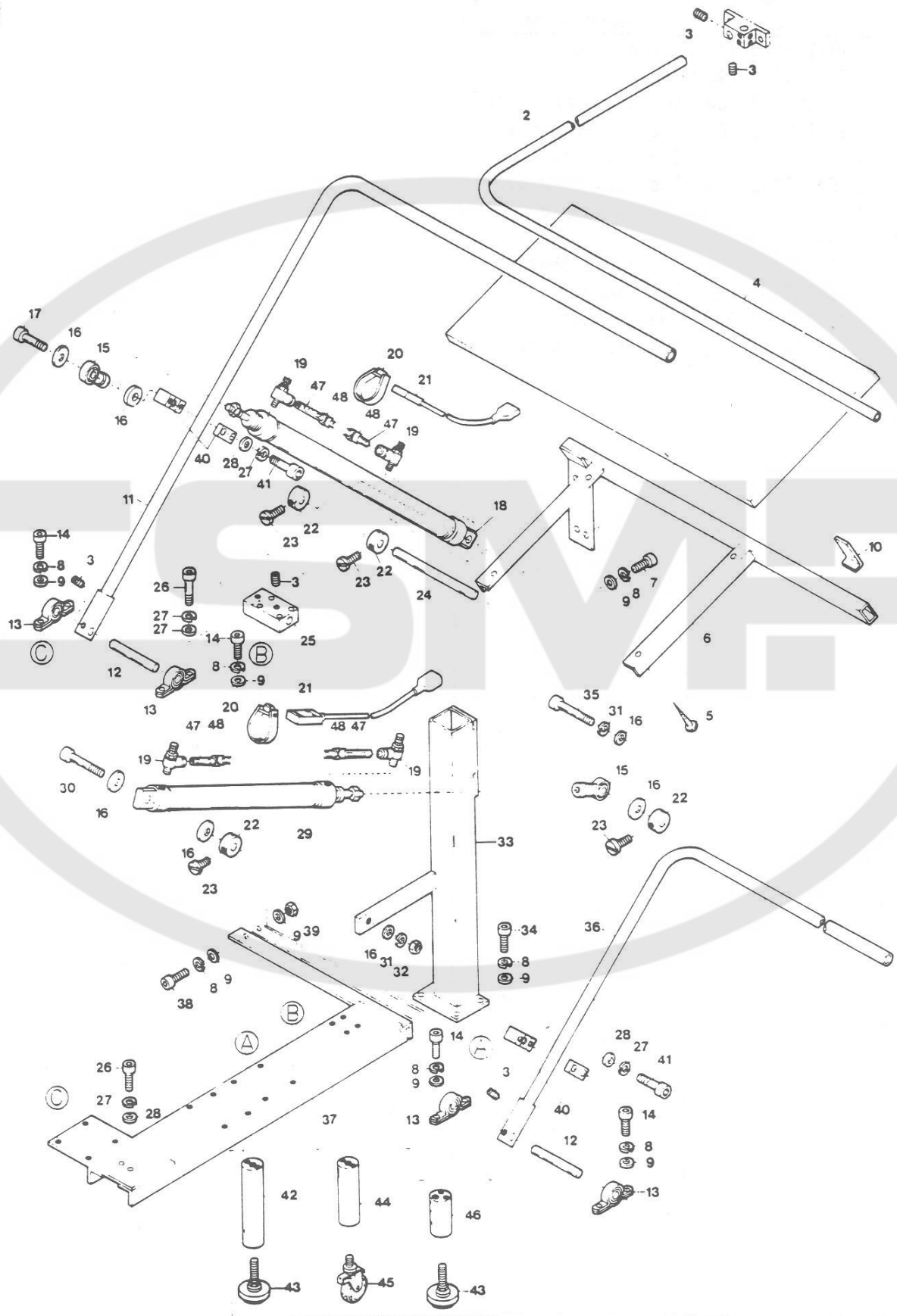
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TAB KNIFE GAUGE PARTS 16, 18, 20 mm

Det. No	Parts No	Description
1	46-1001-5-236	Slide Unit
2	46-1001-5-245	Block
3	46-1001-5-250	Shaft Holder(Front)
4	46-1001-5-237	Tab Finger Holder (Front) Complete
5	46-1001-5-238	Tab Finger Holder (Rear) Complete
6	46-1001-5-242	Plate
7	46-1001-5-240	Tab Knife Shaft
8	46-1001-5-243	Lock Screw
9	46-1001-5-257	Guide Shaft
10	46-1001-0-312	Tab Knife Cylinder

29

1-1
1-2
1-3



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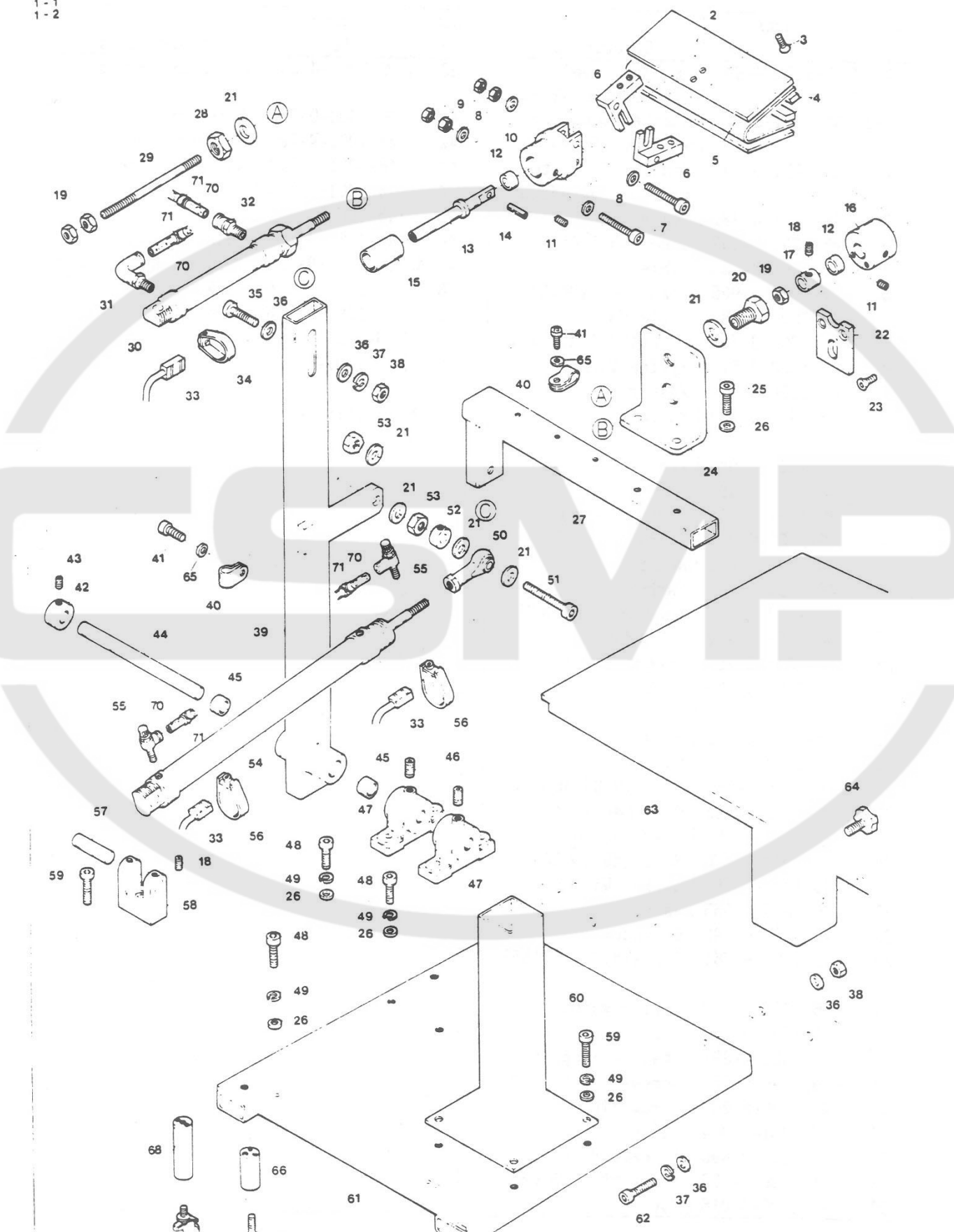
TROUSER PANEL STACKER

Det. No	Parts No	Description
1-1	46-1001-4-940	Stacker Complete with Det.No 42,43
1-2	46-1001-5-429	Stacker Complete with Det.No 44,45
1-3	46-1001-5-440	Stacker Complete with Det.No 46,43
2	46-1001-4-887	Guard
3	46-1000-3-662	Screw(M6-1×6)
4	46-1001-4-885	Table
5	46-1000-6-905	Screw(φ 5.1×20)
6	46-1001-4-889	Table Holder
7	46-1000-9-757	Screw(M8-1.25×15)
8	46-1000-0-676	Spring Washer
9	46-1000-0-666	Washer
10	46-1001-5-239	Rubber
11	46-1001-4-946	Arm
12	46-1001-4-884	Shaft
13	46-1001-4-758	Shaft Bearing
14	46-1000-9-936	Screw(M8-1.25×20)
15	46-1001-4-401	Rod End
16	46-1000-0-432	Washer
17	46-1000-9-760	Screw(M10-1.5×35)
18	46-1001-0-297	Cylinder
19	46-1001-0-254	Speed Control
20	46-1001-0-302	Band
21	46-1001-0-922	Sensing Switch
22	46-1003-2-719	Collar
23	46-1000-4-351	Screw(9/64-40×7)
24	46-1001-4-883	Cylinder Shaft
25	46-1001-4-881	Shaft Holder
26	46-1000-9-970	Screw(M6-1×20)
27	46-1000-0-667	Spring Washer
28	46-1000-0-663	Washer
29	46-1001-0-298	Cylinder
30	46-1000-9-761	Screw(M10-1.5×55)
31	46-1000-0-439	Spring Washer
32	46-1000-0-260	Nut
33	46-1001-4-891	Stacker Support
34	46-1000-9-758	Screw(M8-1.25×30)
35	46-1000-6-208	Screw(M10-1.5×40)
36	46-1001-4-944	Clamp Arm
37	46-1001-4-890	Stacker Base
38	46-1000-9-759	Screw(M8-1.25×55)
39	46-1000-0-016	Nut

Det. No	Parts No	Description
40	46-1001-4-942	Cylinder Holder
41	46-1000-9-753	Screw(M6-1×30)
42	46-1001-4-892	Holder(180mm)
43	46-1001-4-724	Adjustable Foot
44	46-1001-4-734	Holder(97mm)
45	46-1001-5-235	Caster
46	46-1001-4-809	Holder(50mm)
47 ※	46-1001-0-260	Air Tubing(4×2.5mm)
48-1	46-1001-1-095	Marker (1)
48-2	46-1001-1-096	" (2)
48-3	46-1001-1-097	" (3)
48-4	46-1001-1-098	" (4)
※ Specify Length.		

30

1-1
1-2



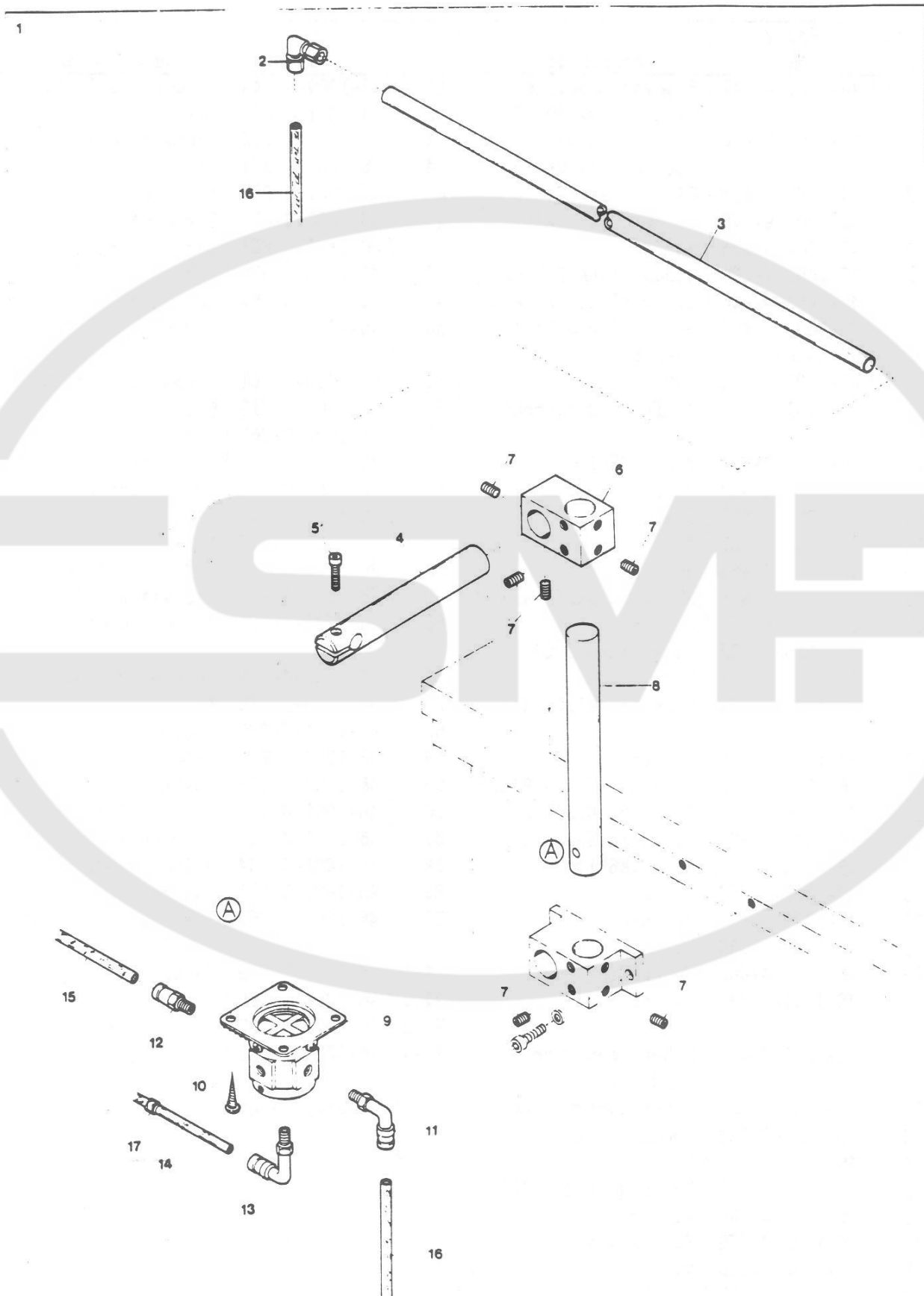
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WORK REMOVER

Det. No	Parts No	Description	Det. No	Parts No	Description
1-1	46-1001-4-941	Remover Complete with Det.No 66,67	41	46-1000-9-744	Screw(M3-0.5×10)
1-2	46-1001-5-430	Remover Complete with Det.No 68,69	42	46-1001-4-356	Collar
2	46-1001-4-858	Cloth Clamp Plate	43	46-1000-6-212	Screw(M5-0.8×6)
3	46-1000-9-776	Screw(M4-0.7×10)	44	46-1001-4-871	Shaft
4	46-1001-4-928	Rubber	45	46-1001-4-855	Bushing
5	46-1001-4-929	Clamp Plate Rubber	46	46-1000-3-655	Screw(M4-0.7×10)
6	46-1001-4-856	Clamp Plate Bracket	47	46-1001-4-861	Shaft Bearing
7	46-1000-9-800	Screw(M3-0.5×30)	48	46-1000-9-970	Screw(M6-1×20)
8	46-1000-0-014	Washer	49	46-1000-0-667	Spring Washer
9	46-1000-0-012	Nut	50	46-1001-4-401	Rod End
10	46-1001-4-874	Shaft Holder(Front)	51	46-1000-9-761	Screw(M10-1.5×55)
11	46-1000-3-662	Screw(M6-1×6)	52	46-1003-2-719	Collar
12	46-1001-4-867	Bushing	53	46-1000-0-260	Nut
13	46-1001-4-863	Shaft	54	46-1001-0-299	Cylinder
14	46-1000-0-037	Pin	55	46-1001-0-254	Speed Control
15	46-1001-4-866	Bushing	56	46-1001-0-302	Band
16	46-1001-4-865	Shaft Holder(Rear)	57	46-1001-4-872	Cylinder Pin
17	46-1001-4-869	Collar	58	46-1001-4-850	Cylinder Holder
18	46-1000-9-735	Screw(M4-0.7×4)	59	46-1000-9-976	Screw(M6-1×15)
19	46-1000-0-011	Nut	60	46-1001-4-873	Table Support
20	46-1000-6-199	Screw(M10-1.5×20)	61	46-1001-4-878	Remover Basement
21	46-1000-0-432	Washer	62	46-1000-9-759	Screw(M8-1.25×55)
22	46-1001-4-870	Cylinder Guide Plate	63	46-1001-4-875	Table
23	46-1000-9-775	Screw(M3-0.5×10)	64	46-1001-4-914	Knob
24	46-1001-4-864	Cylinder Support	65	46-1000-0-665	Washer
25	46-1000-9-754	Screw(M6-1×35)	66	46-1001-4-809	Holder(50mm)
26	46-1000-0-663	Washer	67	46-1001-4-724	Adjustable Foot
27	46-1001-4-876	Arm(Upper)	68	46-1001-4-734	Holder(97mm)
28	46-1000-0-054	Nut	69	46-1001-5-235	Caster
29	46-1001-4-868	Connecting Shaft	70	46-1001-0-260	Air Tubing(4×2.5mm)
30	46-1001-0-296	Cylinder	71-1	46-1001-1-095	Marker (1)
31	46-1001-0-057	Elbow Connector (φ 4-1/8)	71-2	46-1001-1-096	" (2)
32	46-1001-0-055	Connector(φ 4-1/8)	71-3	46-1001-1-097	" (3)
33	46-1001-0-922	Sensing Switch	71-4	46-1001-1-098	" (4)
34	46-1001-0-301	Band	※ Specify Length.		
35	46-1000-9-758	Screw(M8-1.25×30)			
36	46-1000-0-666	Washer			
37	46-1000-0-676	Spring Washer			
38	46-1000-0-016	Nut			
39	46-1001-4-877	Arm(Lower)			
40	46-1006-0-248	Cord Clamp(φ 5.3-3N)			

31



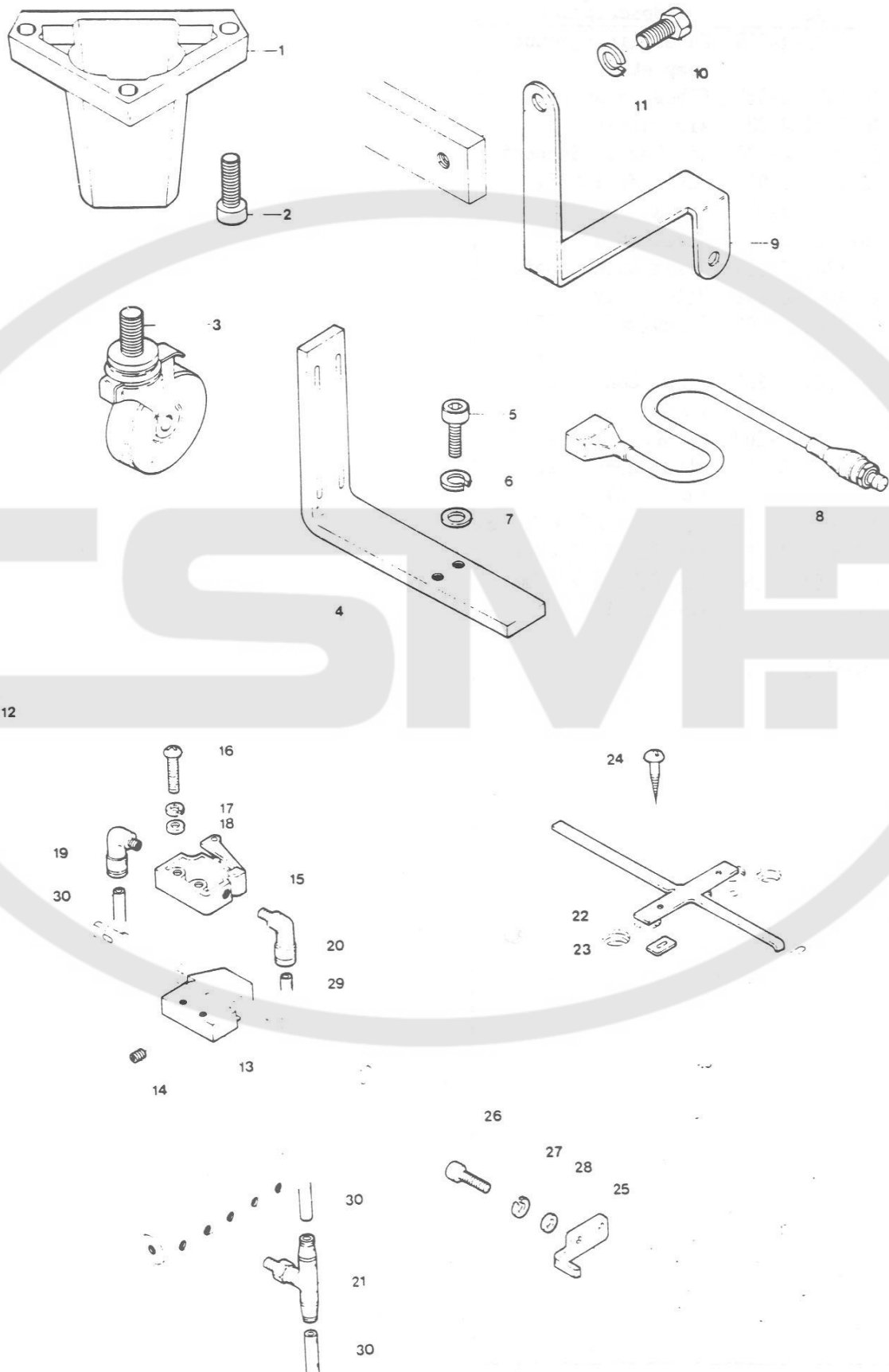
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TROUSER AIR EJECTOR

Det. No	Parts No	Description
1	46-1001-4-939	Panel Air Ejector Complete
2	46-1001-0-313	Elbow Connector
3	46-1001-4-935	Air Nozzle
4	46-1001-4-938	Air Nozzle Support
5	46-1000-9-976	Screw (M6-1×15)
6	46-1001-4-936	Block
7	46-1000-3-662	Screw (M6-1×6)
8	46-1001-4-937	Positioning Shaft
9	46-1001-0-148	Pilot Valve
10	46-1000-6-905	Screw (φ 5.1×20)
11	46-1001-0-265	Elbow Connector (φ 8-1/4)
12	46-1001-0-264	Connector (φ 6-1/4)
13	46-1001-0-057	Elbow Connector (φ 4-1/8)
14 ※	46-1001-0-260	Air Tubing (4×2.5mm)
15 ※	46-1001-0-261	Air Tubing (6×4mm)
16 ※	46-1001-0-262	Air Tubing (8×6mm)
17	46-1001-1-095	Marker (1)
※ Specify Length.		

32



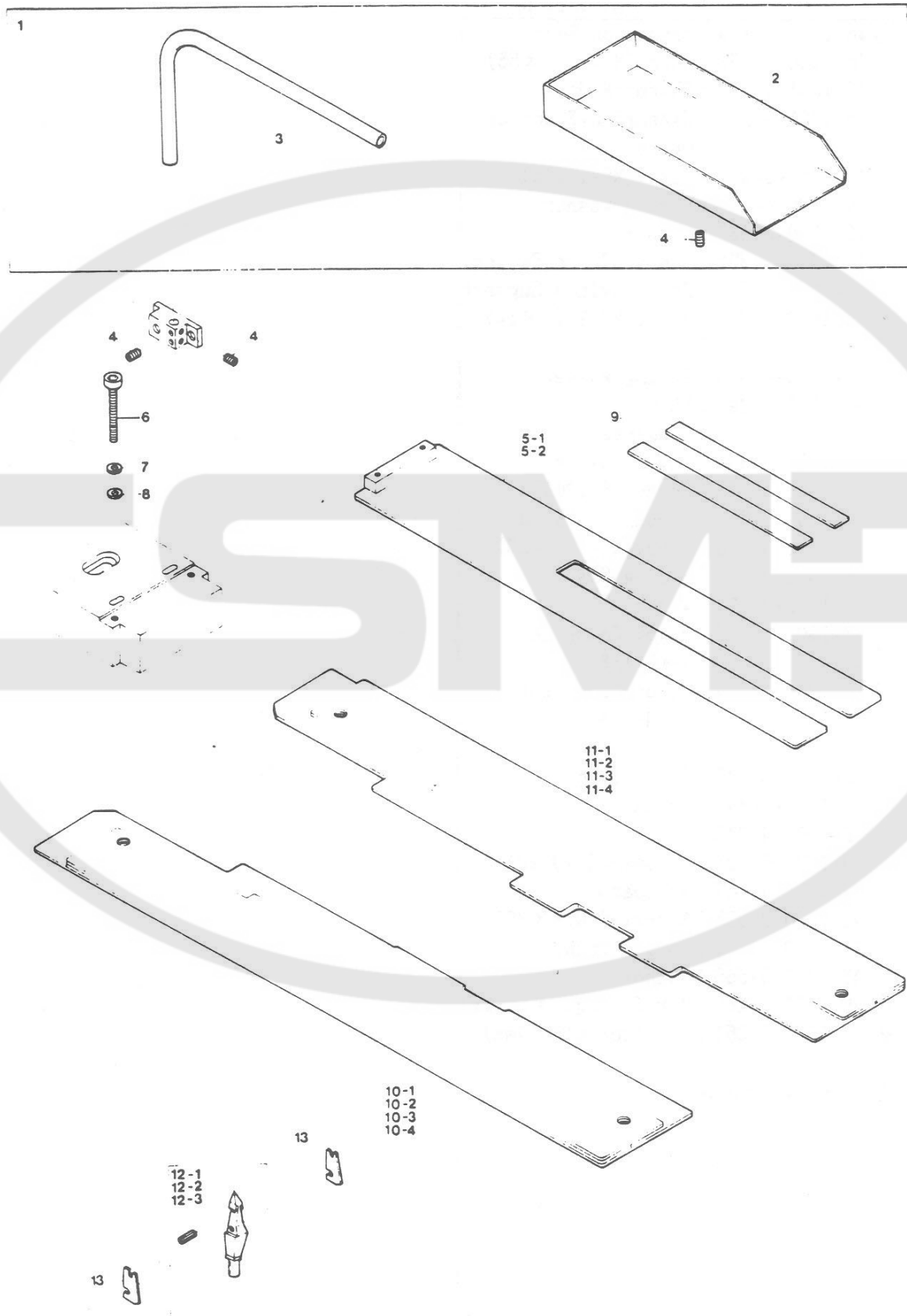
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ACCESSORY PARTS (1)

Det. No	Parts No	Description
1	46-1001-4-808	Extension Foot
2	46-1000-9-761	Screw (M10-1.5×55)
3	46-1001-5-224	Caster (M20)
4	46-1001-5-226	Extension (Stand up Operation)
5	46-1000-9-976	Screw (M6-1×15)
6	46-1000-0-667	Spring Washer
7	46-1000-0-663	Washer
8	46-1001-4-998	Manual Start Switch
9	46-1001-4-564	Start Switch Support
10	46-1000-9-777	Screw (M8-1.25×14)
11	46-1000-0-676	Spring Washer
12	46-1001-4-845	Stay Bracker Complete
13	46-1001-4-846	Valve Holder
14	46-1000-3-662	Screw (M6-1×6)
15	46-1001-0-306	Pneumatic Valve
16	46-1000-6-219	Screw (M4-0.7×30)
17	46-1000-0-644	Spring Washer
18	46-1000-0-665	Washer
19	46-1001-0-266	Elbow Connector (φ 6-1/8)
20	46-1001-0-057	Elbow Connector (φ 4-1/8)
21	46-1001-0-289	T-Connector
22	46-1001-4-848	Holder
23	46-1001-4-849	Spacer
24	46-1000-6-905	Screw (φ 5.1×20)
25	46-1001-4-847	Acuator
26	46-1000-9-935	Screw (M5-0.8×20)
27	46-1000-0-600	Spring Washer
28	46-1000-0-669	Washer
29 ※	46-1001-0-260	Air Tubing (4×2.5mm)
30 ※	46-1001-0-261	Air Tubing (6×4mm)
※ Specify Length.		

33



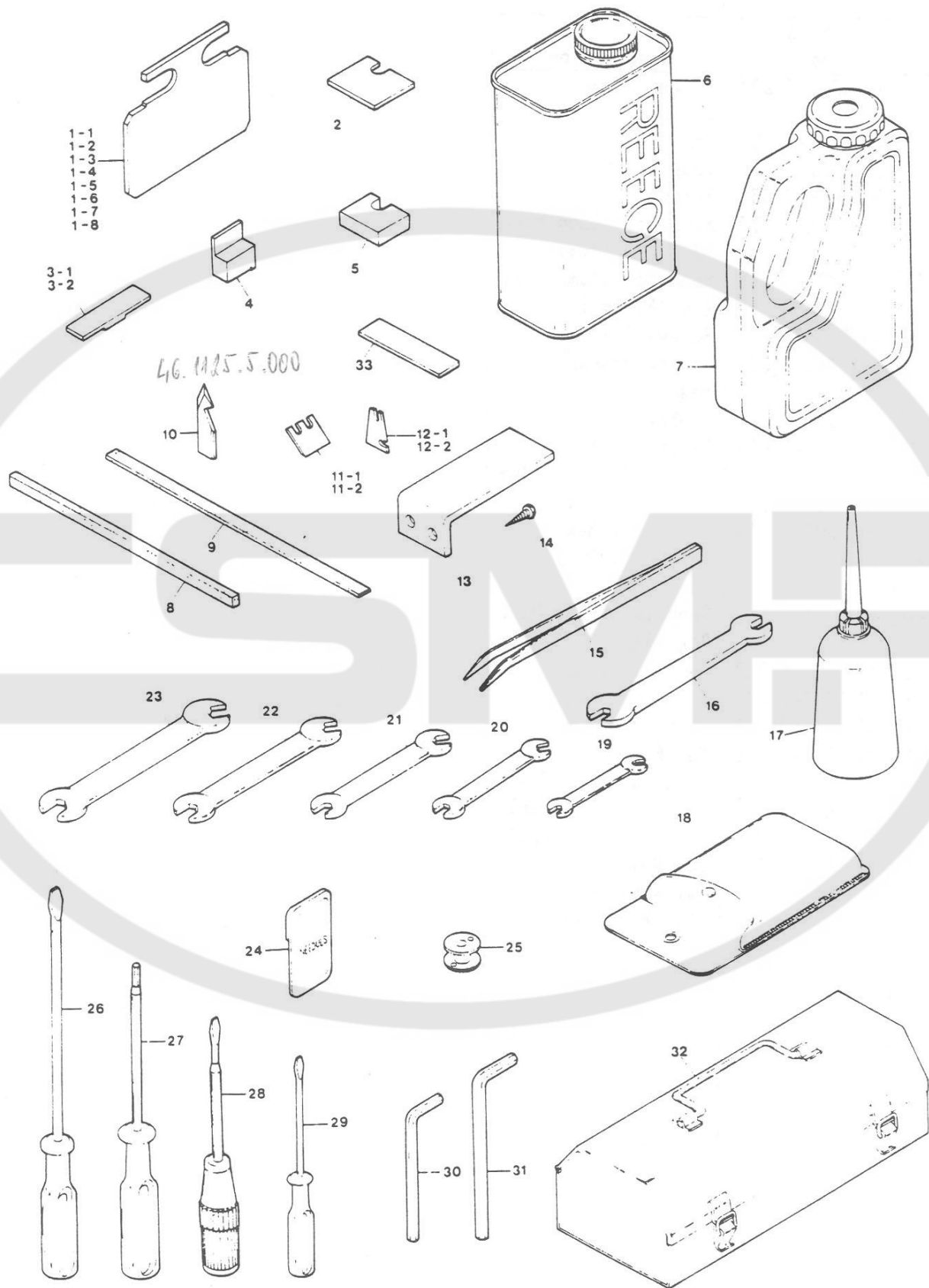
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ACCESSORY PARTS (2)

Det. Na	Parts Na	Description
1	46-1001-4-997	Bagging Tray Complete
2	46-1001-4-934	Tray
3	46-1001-4-931	Tray Shaft
4	46-1000-3-662	Screw
5-1	46-1001-4-678	Sandwich Clamp Foot (8,10,12,14mm)
5-2	46-1001-5-327	Sandwich Clamp Foot (16,18,20mm)
6	46-1000-9-810	Screw(M6-1×55)
7	46-1000-0-667	Spring Washer
8	46-1000-0-663	Washer
9	46-1001-4-588	Rubber
10-1	46-1001-4-634	Sandwich Slide Plate (Left) (8,10,12,14mm)
10-2	46-1001-5-317	" (16mm)
10-3	46-1001-5-318	" (18mm)
10-4	46-1001-5-319	" (20mm)
11-1	46-1001-4-630	Sandwich Slide Plate (Right) (8,10,12,14mm)
11-2	46-1001-5-323	" (16mm)
11-3	46-1001-5-324	" (18mm)
11-4	46-1001-5-325	" (20mm)
12-1	46-1001-5-466	Tab Finger (Wide Width) (16mm)
12-2	46-1001-5-468	" (18mm)
12-3	46-1001-5-470	" (20mm)
13	46-1001-5-230	Tab Knife (Wide Width) (16,18,20 mm)

34



TOOLS, SPARE PARTS

Det. No	Parts No	Description
1-1	46-1001-5-434	Clamp Arm Gauge (2.0 mm)
1-2	46-1001-5-435	" (2.5 ")
1-3	46-1001-4-801	" (2.75 ")
1-4	46-1001-5-436	" (3.0 ")
1-5	46-1001-5-437	" (3.5 ")
1-6	46-1001-5-438	" (4.0 ")
1-7	46-1001-4-802	" (4.5 ")
1-8	46-1001-5-439	" (8.0 ")
2	46-1001-4-806	Needle & Hook Gauge
3-1	46-1001-4-803	Height Gauge(0.75mm)
3-2	46-1001-4-804	" (0.9 ")
4	46-1001-4-800	Needle Height Gauge
5	46-1001-4-805	Needle & Hook Gauge
6	46-1009-9-133	Hydraulic Oil(1Liter)
7	46-1001-5-177	Oil Tank
8	46-1001-4-590	Flap Clamp Rubber
9	46-1001-4-589	Clamp Rubber
10	46-1001-4-478	Center Knife
11-1	46-1001-4-244	Trim Blade (8,10,12,14 mm)
11-2	46-1001-5-292	Trim Blade (16,18,20 mm)
12-1	46-1001-4-136	Tab Knife (8,10,12,14 mm)
12-2	46-1001-5-289	Tab Knife (16,18,20 mm)
13	46-1001-4-689	Lamp Holder
14	46-1000-6-209	Screw(ϕ 3.5×21.5)
15	46-1009-9-045	Tweezers
16	46-1001-5-154	Wrench(8×9mm)
17	46-1001-5-176	Oiler
18	46-1009-9-134	Wrench (8 pcs,per set)
19	46-1009-9-136	Wrench (7×5.5mm)
20	46-1009-9-137	" (8×7 ")
21	46-1009-9-138	" (12×10 ")
22	46-1009-9-139	" (13×11 ")
23	46-1009-9-140	" (17×14 ")

Det. No	Parts No	Description
24	02-0150-0-110	Needle,rd.pt., Fine (0)
	02-0150-0-111	Needle,rd.pt., Medium (1)
	02-0150-0-112	Needle,rd.pt., Heavy (2)
	02-0150-0-113	Needle,rd.pt., Very Heavy (3)
	02-0150-0-114	Needle,rd.pt., Extra Heavy
25	46-1001-5-081	Bobbin
26	46-1001-5-151	Screwdriver (5.5×190mm)
27	46-1003-7-919	Hexagonal Screw- driver(1.58mm.1/16)
28	46-1001-5-152	Screwdriver (3.4×70mm)
29	46-1001-5-153	Screwdriver (1.9×52mm)
30	46-1001-5-180	Wrench(2mm)
31	46-1001-5-179	Wrench(3mm)
32	46-1009-9-135	Accessory Box
33	46-1001-4-807	Fixed Knife Posi- tioning Gauge(2.95mm)

35

BITE SIZE CONVERSION CHART 8, 10, 12, 14 mm

Bite Size	Patch Guide Width	Style	Needle Head	Throat Plate	Pick-up	Movable Knife <i>SPODIN, NIT</i>	Fixed Knife (Left) <i>SPODIN, NIT</i>	Fixed Knife (Right) <i>SPODIN, NIT</i>	Tab Finger
S46- 8	130	D	46-1001-5-446	46-1001-5-448	46-1001-4-483	46-1001-4-503	46-1001-4-506	46-1001-4-505	46-1001-5-451
- 8	130	S	"	"	"	"	"	"	"
- 8	145	S L/R	"	"	"	"	"	"	"
-10	170	D	46-1001-4-433	46-1001-4-426	"	"	"	"	46-1001-5-216
-10	170	S	"	"	"	"	"	"	"
-10	230	S L/R	"	"	"	"	"	"	"
-10	175	D	"	"	"	"	"	"	"
-10	175	S	"	"	"	"	"	"	"
-10	240	S L/R	"	"	"	"	"	"	"
-10	180	D	"	"	"	"	"	"	"
-10	180	S	"	"	"	"	"	"	"
-10	250	S L/R	"	"	"	"	"	"	"
-12	210	D	46-1001-4-434	46-1001-4-427	46-1001-4-484	46-1001-4-504	46-1001-4-508	46-1001-4-507	46-1001-5-217
-12	210	S	"	"	"	"	"	"	"
-12	290	S L/R	"	"	"	"	"	"	"
-12	220	D	"	"	"	"	"	"	"
-12	220	S	"	"	"	"	"	"	"
-12	310	S L/R	"	"	"	"	"	"	"
-12	230	D	"	"	"	"	"	"	"
-12	230	S	"	"	"	"	"	"	"
-12	330	S L/R	"	"	"	"	"	"	"
-14	260	D	46-1001-5-203	46-1001-4-489	"	46-1001-5-201	46-1001-4-506	46-1001-4-505	46-1001-5-218
-14	260	S	"	"	"	"	"	"	"
-14	370	S L/R	"	"	"	"	"	"	"
-14	270	D	"	"	"	"	"	"	"
-14	270	S	"	"	"	"	"	"	"
-14	390	S L/R	"	"	"	"	"	"	"

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36

BITE SIZE CONVERSION CHART 16, 18, 20 mm

Bite Size	Patch Guide Width	Style	Needle Head	Throat Plate	Pick-up	Movable Knife	Fixed Knife (Left)	Fixed Knife (Right)	Tab Finger
S46-16	280	S	46-1001-5-251	46-1001-5-254	46-1001-5-302	46-1001-5-299	46-1001-4-506	46-1001-4-505	46-1001-5-356
-16	280	D	"	"	"	"	"	"	"
-16	290	S	"	"	"	"	"	"	"
-16	290	D	"	"	"	"	"	"	"
-16	300	S	"	"	"	"	"	"	"
-16	300	D	"	"	"	"	"	"	"
-16	310	S	"	"	"	"	"	"	"
-16	310	D	"	"	"	"	"	"	"
-18	320	S	46-1001-5-252	46-1001-5-255	"	46-1001-5-300	"	"	46-1001-5-357
-18	320	D	"	"	"	"	"	"	"
-18	330	S	"	"	"	"	"	"	"
-18	330	D	"	"	"	"	"	"	"
-18	340	S	"	"	"	"	"	"	"
-18	340	D	"	"	"	"	"	"	"
-18	350	S	"	"	"	"	"	"	"
-18	350	D	"	"	"	"	"	"	"
-20	360	S	46-1001-5-253	46-1001-5-256	"	46-1001-5-301	"	"	46-1001-5-358
-20	360	D	"	"	"	"	"	"	"
-20	370	S	"	"	"	"	"	"	"
-20	370	S	"	"	"	"	"	"	"
-20	380	S	"	"	"	"	"	"	"
-20	380	D	"	"	"	"	"	"	"
-20	390	S	"	"	"	"	"	"	"
-20	390	D	"	"	"	"	"	"	"

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PARTS INDEX

Parts No.	Page No.	Ref. No.
02-0150-0-110	34	24
02-0150-0-111	34	24
02-0150-0-112	34	24
02-0150-0-113	34	24
02-0150-0-114	34	24
05-1116-0-000	1	39
46-1000-0-002	8	82
46-1000-0-002	9	19
46-1000-0-002	10	11
46-1000-0-002	11	6
46-1000-0-002	14	8
46-1000-0-002	16	3
46-1000-0-002	21	18
46-1000-0-002	24	6
46-1000-0-002	7	25
46-1000-0-009	8	17
46-1000-0-009	10	75
46-1000-0-009	13	71
46-1000-0-009	16	54
46-1000-0-009	18	6
46-1000-0-009	22	35
46-1000-0-011	10	54
46-1000-0-011	16	49
46-1000-0-011	19	20
46-1000-0-011	25	9
46-1000-0-011	30	19
46-1000-0-012	8	74
46-1000-0-012	9	72
46-1000-0-012	10	12
46-1000-0-012	11	7
46-1000-0-012	14	9
46-1000-0-012	16	20
46-1000-0-012	21	19
46-1000-0-012	24	7
46-1000-0-012	30	9
46-1000-0-012	7	47
46-1000-0-014	8	83
46-1000-0-014	9	20
46-1000-0-014	10	9
46-1000-0-014	11	5
46-1000-0-014	13	65
46-1000-0-014	14	7
46-1000-0-014	16	4
46-1000-0-014	17	45
46-1000-0-014	19	24
46-1000-0-014	21	17
46-1000-0-014	24	5
46-1000-0-014	30	8
46-1000-0-014	7	26
46-1000-0-015	8	27

Parts No.	Page No.	Ref. No.
46-1000-0-015	10	26
46-1000-0-015	14	40
46-1000-0-015	15	47
46-1000-0-015	16	25
46-1000-0-015	23	22
46-1000-0-015	24	33
46-1000-0-016	9	39
46-1000-0-016	10	23
46-1000-0-016	11	18
46-1000-0-016	15	22
46-1000-0-016	19	30
46-1000-0-016	24	28
46-1000-0-016	27	10
46-1000-0-016	29	39
46-1000-0-016	30	38
46-1000-0-035	14	45
46-1000-0-035	15	52
46-1000-0-037	30	14
46-1000-0-038	7	21
46-1000-0-054	13	14
46-1000-0-054	19	5
46-1000-0-054	30	28
46-1000-0-063	8	58
46-1000-0-070	11	31
46-1000-0-145	17	23
46-1000-0-162	11	33
46-1000-0-182	7	14
46-1000-0-257	7	27
46-1000-0-260	8	28
46-1000-0-260	14	15
46-1000-0-260	29	32
46-1000-0-260	30	53
46-1000-0-332	11	47
46-1000-0-334	22	11
46-1000-0-335	10	16
46-1000-0-339	17	9
46-1000-0-419	12	34
46-1000-0-421	11	27
46-1000-0-426	10	73
46-1000-0-428	11	51
46-1000-0-428	15	59
46-1000-0-429	11	17
46-1000-0-429	18	40
46-1000-0-432	13	15
46-1000-0-432	22	7
46-1000-0-342	29	16
46-1000-0-432	30	21
46-1000-0-433	11	26
46-1000-0-439	8	29
46-1000-0-439	16	10

Parts No.	Page No.	Ref. No.
46-1000-0-439	18	27
46-1000-0-439	22	6
46-1000-0-439	29	31
46-1000-0-530	22	10
46-1000-0-532	9	4
46-1000-0-532	9	15
46-1000-0-532	10	15
46-1000-0-538	13	66
46-1000-0-555	10	63
46-1000-0-600	8	16
46-1000-0-600	10	33
46-1000-0-600	12	6
46-1000-0-600	13	57
46-1000-0-600	15	16
46-1000-0-600	18	5
46-1000-0-600	21	8
46-1000-0-600	22	34
46-1000-0-600	23	42
46-1000-0-600	32	27
46-1000-0-612	8	30
46-1000-0-612	14	16
46-1000-0-612	16	11
46-1000-0-612	18	28
46-1000-0-623	10	67
46-1000-0-644	8	3
46-1000-0-644	9	3
46-1000-0-644	10	30
46-1000-0-644	12	43
46-1000-0-644	14	3
46-1000-0-644	15	10
46-1000-0-644	16	14
46-1000-0-644	17	5
46-1000-0-644	21	4
46-1000-0-644	23	21
46-1000-0-644	24	32
46-1000-0-644	32	17
46-1000-0-644	7	43
46-1000-0-663	8	13
46-1000-0-663	9	28
46-1000-0-663	10	74
46-1000-0-663	13	62
46-1000-0-663	14	12
46-1000-0-663	15	4
46-1000-0-663	16	47
46-1000-0-663	17	34
46-1000-0-663	19	18
46-1000-0-663	21	26
46-1000-0-663	22	19
46-1000-0-663	23	8
46-1000-0-663	24	21

Parts No.	Page No.	Ref. No.
46-1000-0-663	25	7
46-1000-0-663	29	28
46-1000-0-663	30	26
46-1000-0-663	32	7
46-1000-0-663	33	8
46-1000-0-665	8	4
46-1000-0-665	9	11
46-1000-0-665	10	31
46-1000-0-665	12	44
46-1000-0-665	14	4
46-1000-0-665	15	9
46-1000-0-665	16	15
46-1000-0-665	17	6
46-1000-0-665	21	5
46-1000-0-665	22	28
46-1000-0-665	23	20
46-1000-0-665	24	31
46-1000-0-665	30	65
46-1000-0-665	32	18
46-1000-0-665	7	8
46-1000-0-666	8	42
46-1000-0-666	9	37
46-1000-0-666	10	25
46-1000-0-666	14	29
46-1000-0-666	15	20
46-1000-0-666	19	13
46-1000-0-666	24	26
46-1000-0-666	27	6
46-1000-0-666	29	9
46-1000-0-666	30	36
46-1000-0-667	8	12
46-1000-0-667	9	27
46-1000-0-667	11	52
46-1000-0-667	13	61
46-1000-0-667	14	11
46-1000-0-667	15	3
46-1000-0-667	16	48
46-1000-0-667	19	19
46-1000-0-667	21	25
46-1000-0-667	22	18
46-1000-0-667	23	9
46-1000-0-667	25	8
46-1000-0-667	29	27
46-1000-0-667	30	49
46-1000-0-667	32	6
46-1000-0-667	33	7
46-1000-0-669	8	15
46-1000-0-669	9	74
46-1000-0-669	10	34
46-1000-0-669	12	7

Parts No.	Page No.	Ref. No.
46-1000-0-669	13	58
46-1000-0-669	15	17
46-1000-0-669	18	4
46-1000-0-669	21	9
46-1000-0-669	22	33
46-1000-0-669	23	43
46-1000-0-669	32	28
46-1000-0-670	10	7
46-1000-0-676	8	41
46-1000-0-676	9	38
46-1000-0-676	10	24
46-1000-0-676	11	34
46-1000-0-676	14	28
46-1000-0-676	15	21
46-1000-0-676	19	12
46-1000-0-676	24	27
46-1000-0-676	27	5
46-1000-0-676	29	8
46-1000-0-676	30	37
46-1000-0-676	32	11
46-1000-0-755	13	34
46-1000-1-092	7	10
46-1000-1-117	13	25
46-1000-1-124	9	57
46-1000-1-156	13	64
46-1000-1-170	13	36
46-1000-1-222	12	20
46-1000-1-613	12	26
46-1000-2-484	10	17
46-1000-3-635	8	47
46-1000-3-637	8	20
46-1000-3-637	9	60
46-1000-3-655	16	39
46-1000-3-655	30	46
46-1000-3-656	9	50
46-1000-3-656	12	16
46-1000-3-656	13	13
46-1000-3-656	17	19
46-1000-3-659	8	39
46-1000-3-662	13	5
46-1000-3-662	15	34
46-1000-3-662	17	29
46-1000-3-662	18	23
46-1000-3-662	20	6
46-1000-3-662	21	11
46-1000-3-662	29	3
46-1000-3-662	30	11

Parts No.	Page No.	Ref. No.
46-1000-3-662	31	7
46-1000-3-662	32	14
46-1000-3-662	33	4
46-1000-4-104	9	2
46-1000-4-127	7	9
46-1000-4-258	13	50
46-1000-4-351	19	39
46-1000-4-351	29	23
46-1000-4-352	9	16
46-1000-4-352	13	38
46-1000-4-358	12	36
46-1000-4-404	12	29
46-1000-4-440	13	40
46-1000-4-445	22	9
46-1000-4-642	9	22
46-1000-5-000	9	46
46-1000-5-044	17	43
46-1000-5-061	9	67
46-1000-5-121	13	75
46-1000-6-176	14	22
46-1000-6-176	15	7
46-1000-6-178	12	10
46-1000-6-183	16	31
46-1000-6-184	17	35
46-1000-6-185	17	36
46-1000-6-186	8	57
46-1000-6-187	9	36
46-1000-6-188	17	2
46-1000-6-190	14	14
46-1000-6-191	8	61
46-1000-6-192	8	24
46-1000-6-193	17	22
46-1000-6-195	3	36
46-1000-6-196	11	35
46-1000-6-197	3	37
46-1000-6-198	12	33
46-1000-6-199	30	20
46-1000-6-201	19	42
46-1000-6-203	11	11
46-1000-6-205	20	4
46-1000-6-206	19	6
46-1000-6-208	29	35
46-1000-6-209	11	37
46-1000-6-209	34	14
46-1000-6-210	8	62
46-1000-6-212	17	25
46-1000-6-212	18	12

Parts No.	Page No.	Ref. No.
46-1000-6-212	19	7
46-1000-6-212	30	43
46-1000-6-213	16	24
46-1000-6-214	16	2
46-1000-6-215	16	41
46-1000-6-216	16	46
46-1000-6-217	17	41
46-1000-6-218	11	16
46-1000-6-219	23	46
46-1000-6-219	32	16
46-1000-6-220	15	57
46-1000-6-220	18	2
46-1000-6-223	11	58
46-1000-6-225	15	2
46-1000-6-225	24	20
46-1000-6-226	10	53
46-1000-6-226	14	10
46-1000-6-227	17	11
46-1000-6-229	10	72
46-1000-6-229	13	70
46-1000-6-232	10	22
46-1000-6-232	24	25
46-1000-6-233	10	8
46-1000-6-233	24	14
46-1000-6-235	17	21
46-1000-6-236	9	10
46-1000-6-248	16	19
46-1000-6-434	10	14
46-1000-6-444	11	46
46-1000-6-638	17	8
46-1000-6-905	11	39
46-1000-6-905	11	62
46-1000-6-905	29	5
46-1000-6-905	31	10
46-1000-6-905	32	24
46-1000-7-609	7	39
46-1000-7-650	8	33
46-1000-7-650	13	7
46-1000-7-678	12	31
46-1000-8-200	1	2
46-1000-8-201	1	3
46-1000-8-202	1	7
46-1000-8-202	5	42
46-1000-8-203	1	14
46-1000-8-204	1	22
46-1000-8-205	2	5
46-1000-8-206	2	6
46-1000-8-207	2	35

Parts No.	Page No.	Ref. No.
46-1000-8-207	3	14
46-1000-8-208	3	8
46-1000-8-209	3	31
46-1000-8-210	3	32
46-1000-8-211	5	3
46-1000-8-212	5	8
46-1000-8-213	5	14
46-1000-8-214	5	16
46-1000-8-215	5	5
46-1000-8-216	5	46
46-1000-8-217	6	7
46-1000-8-218	6	8
46-1000-8-219	6	11
46-1000-8-220	6	19
46-1000-8-221	6	22
46-1000-8-222	6	31
46-1000-8-223	6	41
46-1000-8-224	1	29
46-1000-8-224	7	6
46-1000-8-225	1	37
46-1000-8-226	5	37
46-1000-8-227	6	9
46-1000-8-228	1	5
46-1000-8-229	1	13
46-1000-8-230	2	32
46-1000-8-231	4	9
46-1000-8-232	3	28
46-1000-8-233	2	3
46-1000-8-233	2	13
46-1000-8-233	2	17
46-1000-8-233	2	25
46-1000-8-233	13	3
46-1000-8-234	2	9
46-1000-8-234	4	17
46-1000-8-235	2	10
46-1000-8-235	4	16
46-1000-8-236	2	21
46-1000-8-236	4	13
46-1000-8-237	2	22
46-1000-8-237	4	12
46-1000-8-238	2	41
46-1000-8-239	3	6
46-1000-8-239	4	4
46-1000-8-240	3	23
46-1000-8-241	3	21
46-1000-8-242	4	6
46-1000-8-243	4	15
46-1000-8-244	6	15
46-1000-8-245	1	8
46-1000-8-246	6	12

Parts No.	Page No.	Ref. No.
46-1000-8-246	6	43
46-1000-8-247	6	16
46-1000-8-247	6	33
46-1000-8-248	5	6
46-1000-8-249	6	39
46-1000-8-250	6	40
46-1000-8-251	6	20
46-1000-8-251	6	26
46-1000-8-251	6	32
46-1000-8-252	1	10
46-1000-8-253	1	38
46-1000-8-254	3	18
46-1000-8-255	5	40
46-1000-8-256	1	27
46-1000-8-257	3	17
46-1000-8-258	3	10
46-1000-8-259	3	13
46-1000-8-260	5	38
46-1000-8-261	5	47
46-1000-8-262	6	23
46-1000-8-263	6	44
46-1000-8-264	5	39
46-1000-8-264	6	42
46-1000-8-265	6	25
46-1000-8-266	5	25
46-1000-8-267	5	9
46-1000-8-268	5	22
46-1000-8-269	5	21
46-1000-8-270	5	28
46-1000-8-271	5	27
46-1000-8-272	5	20
46-1000-8-273	5	10
46-1000-8-274	5	19
46-1000-8-275	5	31
46-1000-8-276	5	32
46-1000-8-277	5	4
46-1000-8-278	5	33
46-1000-8-279	5	18
46-1000-8-280	5	34
46-1000-8-281	5	35
46-1000-8-282	5	48
46-1000-8-283	5	50
46-1000-8-284	5	52
46-1000-8-285	5	54
46-1000-8-286	5	56
46-1000-8-287	5	61
46-1000-8-289	3	2
46-1000-9-127	9	56
46-1000-9-127	12	23

Parts No.	Page No.	Ref. No.
46-1000-9-142	12	24
46-1000-9-150	13	29
46-1000-9-209	7	40
46-1000-9-604	9	55
46-1000-9-730	13	49
46-1000-9-733	27	17
46-1000-9-734	8	67
46-1000-9-734	26	16
46-1000-9-735	8	79
46-1000-9-735	12	39
46-1000-9-735	13	17
46-1000-9-735	30	18
46-1000-9-736	9	65
46-1000-9-736	13	60
46-1000-9-736	15	31
46-1000-9-736	22	13
46-1000-9-737	14	41
46-1000-9-737	15	48
46-1000-9-738	16	34
46-1000-9-738	18	3
46-1000-9-740	11	54
46-1000-9-740	14	19
46-1000-9-740	16	36
46-1000-9-744	8	73
46-1000-9-744	16	17
46-1000-9-744	30	41
46-1000-9-745	8	68
46-1000-9-745	9	18
46-1000-9-745	10	18
46-1000-9-745	24	9
46-1000-9-746	9	53
46-1000-9-746	10	41
46-1000-9-746	13	44
46-1000-9-746	14	2
46-1000-9-746	17	4
46-1000-9-747	9	35
46-1000-9-747	10	36
46-1000-9-747	11	56
46-1000-9-747	12	42
46-1000-9-747	14	24
46-1000-9-747	15	11
46-1000-9-747	16	22
46-1000-9-747	23	55
46-1000-9-748	8	60
46-1000-9-748	21	3
46-1000-9-748	7	42
46-1000-9-749	8	2
46-1000-9-749	9	48
46-1000-9-749	15	28
46-1000-9-749	21	7

Parts No.	Page No.	Ref. No.
46-1000-9-749	23	19
46-1000-9-750	16	23
46-1000-9-750	23	51
46-1000-9-751	8	72
46-1000-9-751	10	64
46-1000-9-751	22	32
46-1000-9-725	9	30
46-1000-9-752	10	32
46-1000-9-752	12	5
46-1000-9-752	13	56
46-1000-9-752	14	47
46-1000-9-752	15	15
46-1000-9-752	15	54
46-1000-9-752	23	41
46-1000-9-753	2	44
46-1000-9-753	9	26
46-1000-9-753	15	39
46-1000-9-753	18	11
46-1000-9-753	29	41
46-1000-9-754	14	25
46-1000-9-754	15	12
46-1000-9-754	30	25
46-1000-9-755	11	53
46-1000-9-755	15	58
46-1000-9-755	16	28
46-1000-9-757	29	7
46-1000-9-758	9	42
46-1000-9-758	15	19
46-1000-9-758	29	34
46-1000-9-758	30	35
46-1000-9-759	18	9
46-1000-9-759	29	38
46-1000-9-759	30	62
46-1000-9-760	18	26
46-1000-9-760	29	17
46-1000-9-761	16	9
46-1000-9-761	25	11
46-1000-9-761	29	30
46-1000-9-761	30	51
46-1000-9-761	32	2
46-1000-9-764	14	6
46-1000-9-768	9	7
46-1000-9-768	24	8
46-1000-9-769	11	13
46-1000-9-770	11	23
46-1000-9-770	22	38
46-1000-9-770	24	30
46-1000-9-774	10	6
46-1000-9-775	30	23
46-1000-9-776	16	45

Parts No.	Page No.	Ref. No.
46-1000-9-776	30	3
46-1000-9-777	8	48
46-1000-9-777	9	75
46-1000-9-777	32	10
46-1000-9-779	8	81
46-1000-9-783	23	31
46-1000-9-791	17	46
46-1000-9-793	11	42
46-1000-9-793	24	4
46-1000-9-798	14	37
46-1000-9-798	15	44
46-1000-9-798	26	12
46-1000-9-799	21	15
46-1000-9-800	30	7
46-1000-9-801	11	41
46-1000-9-801	24	35
46-1000-9-804	7	19
46-1000-9-805	7	23
46-1000-9-807	27	8
46-1000-9-810	33	6
46-1000-9-858	11	32
46-1000-9-883	7	30
46-1000-9-895	25	14
46-1000-9-911	9	32
46-1000-9-916	18	24
46-1000-9-928	22	5
46-1000-9-929	11	8
46-1000-9-935	8	54
46-1000-9-935	13	23
46-1000-9-935	16	52
46-1000-9-935	18	16
46-1000-9-935	32	26
46-1000-9-936	8	40
46-1000-9-936	14	21
46-1000-9-936	19	11
46-1000-9-936	29	14
46-1000-9-940	14	27
46-1000-9-953	22	17
46-1000-9-954	27	4
46-1000-9-956	8	7
46-1000-9-956	19	2
46-1000-9-956	7	24
46-1000-9-957	19	25
46-1000-9-964	17	33
46-1000-9-970	8	11
46-1000-9-970	9	73
46-1000-9-970	15	6
46-1000-9-970	16	30
46-1000-9-970	19	9
46-1000-9-970	19	28

Parts No.	Page No.	Ref. No.
46-1000-9-970	25	6
46-1000-9-970	29	26
46-1000-9-970	30	48
46-1000-9-974	10	29
46-1000-9-975	20	13
46-1000-9-976	13	10
46-1000-9-976	16	42
46-1000-9-976	17	32
46-1000-9-976	21	24
46-1000-9-976	23	10
46-1000-9-976	30	59
46-1000-9-976	31	5
46-1000-9-976	32	5
46-1000-9-977	9	62
46-1000-9-978	19	29
46-1000-9-980	8	9
46-1000-9-980	10	56
46-1000-9-980	15	36
46-1000-9-992	16	13
46-1000-9-992	22	27
46-1000-9-993	7	45
46-1000-9-994	11	4
46-1000-9-994	13	68
46-1000-9-994	21	22
46-1001-0-018	10	68
46-1001-0-019	12	2
46-1001-0-019	17	14
46-1001-0-021	23	16
46-1001-0-023	23	13
46-1001-0-032	15	40
46-1001-0-054	9	17
46-1001-0-054	15	41
46-1001-0-054	16	18
46-1001-0-054	24	3
46-1001-0-055	8	36
46-1001-0-055	11	67
46-1001-0-055	30	32
46-1001-0-056	8	35
46-1001-0-056	11	66
46-1001-0-057	30	31
46-1001-0-057	31	13
46-1001-0-057	32	20
46-1001-0-065	11	64
46-1001-0-078	23	26
46-1001-0-084	11	65
46-1001-0-094	10	52
46-1001-0-117	16	5
46-1001-0-125	23	25
46-1001-0-137	22	31-1

Parts No.	Page No.	Ref. No.
46-1001-0-143	23	53
46-1001-0-148	31	9
46-1001-0-172	23	29
46-1001-0-173	23	30
46-1001-0-176	18	36
46-1001-0-181	23	40
46-1001-0-182	16	6
46-1001-0-182	24	1
46-1001-0-184	23	11
46-1001-0-185	23	17
46-1001-0-188	23	5
46-1001-0-204	23	34
46-1001-0-205	18	38
46-1001-0-205	23	27
46-1001-0-207	18	34
46-1001-0-207	23	32
46-1001-0-208	18	37
46-1001-0-209	18	31
46-1001-0-210	18	32
46-1001-0-212	23	37
46-1001-0-213	23	36
46-1001-0-216	23	35
46-1001-0-220	23	38
46-1001-0-221	23	39
46-1001-0-227	23	1
46-1001-0-234	23	50
46-1001-0-234	25	3
46-1001-0-235	23	49
46-1001-0-235	25	2
46-1001-0-237	25	1
46-1001-0-238	23	45
46-1001-0-239	23	15
46-1001-0-240	14	32
46-1001-0-241	12	1
46-1001-0-242	12	40
46-1001-0-243	13	69
46-1001-0-244	15	38
46-1001-0-245	15	23
46-1001-0-246	9	6
46-1001-0-247	8	34
46-1001-0-248	11	40
46-1001-0-248	24	34
46-1001-0-249	8	18
46-1001-0-250	16	27
46-1001-0-251	16	51
46-1001-0-252	18	18
46-1001-0-253	12	21
46-1001-0-254	14	35
46-1001-0-254	15	24
46-1001-0-254	29	19

Parts No.	Page No.	Ref. No.
46-1001-0-254	30	55
46-1001-0-255	18	19
46-1001-0-256	10	50
46-1001-0-257	23	47
46-1001-0-258	8	21
46-1001-0-258	9	8
46-1001-0-258	10	69
46-1001-0-258	11	43
46-1001-0-258	12	3
46-1001-0-258	13	74
46-1001-0-258	15	42
46-1001-0-258	16	7
46-1001-0-258	17	15
46-1001-0-258	23	56
46-1001-0-258	24	2
46-1001-0-260	8	75
46-1001-0-260	9	68
46-1001-0-260	10	70
46-1001-0-260	11	44
46-1001-0-260	12	45
46-1001-0-260	13	77
46-1001-0-260	14	17
46-1001-0-260	15	56
46-1001-0-260	16	55
46-1001-0-260	17	47
46-1001-0-260	23	60
46-1001-0-260	24	36
46-1001-0-260	29	47
46-1001-0-260	30	70
46-1001-0-260	31	14
46-1001-0-260	32	29
46-1001-0-261	18	39
46-1001-0-261	23	59
46-1001-0-261	31	15
46-1001-0-261	32	30
46-1001-0-262	23	58
46-1001-0-262	31	16
46-1001-0-263	11	63
46-1001-0-264	10	51
46-1001-0-264	23	6
46-1001-0-264	31	12
46-1001-0-265	23	2
46-1001-0-265	31	11
46-1001-0-266	23	52
46-1001-0-266	32	19
46-1001-0-267	18	20
46-1001-0-267	23	14
46-1001-0-268	23	44
46-1001-0-269	23	12
46-1001-0-270	23	4

Parts No.	Page No.	Ref. No.
46-1001-4-610	17	26
46-1001-4-611	17	24
46-1001-4-612	24	15
46-1001-4-613	18	10
46-1001-4-614	17	27
46-1001-4-618	24	17
46-1001-4-619	17	44
46-1001-4-620	17	1-1
46-1001-4-621	17	1-2
46-1001-4-622	16	29
46-1001-4-623	16	8
46-1001-4-624	18	13
46-1001-4-625	16	1
46-1001-4-626	17	28-2
46-1001-4-627	17	28-1
46-1001-4-628	17	38-2
46-1001-4-629	17	38-1
46-1001-4-630	33	11-1
46-1001-4-634	33	10-1
46-1001-4-635	11	21
46-1001-4-636	11	22
46-1001-4-638	16	40-1
46-1001-4-639	16	40-2
46-1001-4-640	17	42-1
46-1001-4-641	17	42-2
46-1001-4-643	17	40-2
46-1001-4-644	17	40-1
46-1001-4-645	17	31-2
46-1001-4-646	17	31-1
46-1001-4-647	24	13
46-1001-4-648	18	21
46-1001-4-651	18	22
46-1001-4-652	18	25
46-1001-4-653	17	7
46-1001-4-654	16	37
46-1001-4-655	11	3
46-1001-4-656	10	42
46-1001-4-657	11	38
46-1001-4-658	11	20
46-1001-4-659	11	36
46-1001-4-660	24	29
46-1001-4-661	11	14
46-1001-4-662	11	19
46-1001-4-663	11	30
46-1001-4-668	11	50
46-1001-4-670	24	24
46-1001-4-671	11	15
46-1001-4-674	24	18
46-1001-4-675	11	12
46-1001-4-678	33	5-1

Parts No.	Page No.	Ref. No.
46-1001-4-680	11	45
46-1001-4-687	11	49
46-1001-4-689	34	13
46-1001-4-691	14	44
46-1001-4-691	15	51
46-1001-4-692	14	43
46-1001-4-692	15	50
46-1001-4-693	15	37
46-1001-4-695	14	1
46-1001-4-697	15	29
46-1001-4-698	15	13
46-1001-4-699	14	20
46-1001-4-700	14	42
46-1001-4-700	15	49
46-1001-4-701	14	53
46-1001-4-704	14	46
46-1001-4-705	15	53
46-1001-4-706	15	5
46-1001-4-709	14	31
46-1001-4-711	14	26
46-1001-4-715	10	35
46-1001-4-717	11	60
46-1001-4-718	11	59
46-1001-4-719	10	37
46-1001-4-720	11	10
46-1001-4-721	10	13
46-1001-4-722	19	16
46-1001-4-723	19	27
46-1001-4-724	25	12
46-1001-4-724	29	43
46-1001-4-724	30	67
46-1001-4-725	19	4
46-1001-4-727	10	43
46-1001-4-728	10	1
46-1001-4-730	10	3
46-1001-4-732	10	55
46-1001-4-734	25	13
46-1001-4-734	29	44
46-1001-4-734	30	68
46-1001-4-735	25	5
46-1001-4-738	20	3
46-1001-4-739	19	41
46-1001-4-740	10	58
46-1001-4-741	23	54
46-1001-4-742	23	57
46-1001-4-744	23	23
46-1001-4-745	23	7
46-1001-4-746	22	16
46-1001-4-747	20	5
46-1001-4-752	19	37

Parts No.	Page No.	Ref. No.
46-1001-4-753	19	40
46-1001-4-756	19	33
46-1001-4-757	19	31
46-1001-4-758	19	10
46-1001-4-758	29	13
46-1001-4-759	19	32
46-1001-4-760	19	34
46-1001-4-761	19	35
46-1001-4-763	19	3
46-1001-4-765	19	36
46-1001-4-767	19	1
46-1001-4-769	19	14
46-1001-4-770	10	40
46-1001-4-771	21	12
46-1001-4-772	21	6
46-1001-4-773	18	15
46-1001-4-779	10	20
46-1001-4-780	10	21
46-1001-4-783	21	10-1
46-1001-4-784	21	10-2
46-1001-4-787	21	14
46-1001-4-789	21	23
46-1001-4-790	21	1
46-1001-4-791	21	2
46-1001-4-792	24	19
46-1001-4-797	22	14-1
46-1001-4-798	22	14-2
46-1001-4-799	13	43
46-1001-4-800	34	4
46-1001-4-801	34	1-3
46-1001-4-802	34	1-7
46-1001-4-803	34	3-1
46-1001-4-804	34	3-2
46-1001-4-805	34	5
46-1001-4-806	34	2
46-1001-4-807	34	33
46-1001-4-808	25	10
46-1001-4-808	32	1
46-1001-4-809	29	46
46-1001-4-809	30	66
46-1001-4-810	15	14
46-1001-4-812	10	57
46-1001-4-814	10	4
46-1001-4-815	14	49
46-1001-4-816	14	51
46-1001-4-817	14	50
46-1001-4-823	11	9
46-1001-4-824	10	49
46-1001-4-830	13	27
46-1001-4-832	13	51

Parts No.	Page No.	Ref. No.
46-1001-4-833	13	55
46-1001-4-834	13	53
46-1001-4-835	13	59
46-1001-4-836	13	54
46-1001-4-840	12	8
46-1001-4-841	13	73
46-1001-4-842	14	52
46-1001-4-845	32	12
46-1001-4-846	32	13
46-1001-4-847	32	25
46-1001-4-848	32	22
46-1001-4-849	32	23
46-1001-4-850	30	58
46-1001-4-855	30	45
46-1001-4-856	30	6
46-1001-4-858	30	2
46-1001-4-861	30	47
46-1001-4-863	30	13
46-1001-4-864	30	24
46-1001-4-865	30	16
46-1001-4-866	30	15
46-1001-4-867	30	12
46-1001-4-868	30	29
46-1001-4-869	30	17
46-1001-4-870	30	22
46-1001-4-871	30	44
46-1001-4-872	30	57
46-1001-4-873	30	60
46-1001-4-874	30	10
46-1001-4-975	30	63
46-1001-4-876	30	27
46-1001-4-877	30	39
46-1001-4-878	30	61
46-1001-4-881	29	25
46-1001-4-883	29	24
46-1001-4-884	29	12
46-1001-4-885	29	4
46-1001-4-887	29	2
46-1001-4-889	29	6
46-1001-4-890	29	37
46-1001-4-891	29	33
46-1001-4-892	29	42
46-1001-4-894	13	41
46-1001-4-895	13	52
46-1001-4-896	15	1
46-1001-4-897	14	39
46-1001-4-898	15	46
46-1001-4-899	14	30
46-1001-4-900	20	9
46-1001-4-901	20	8

Parts No.	Page No.	Ref. No.
46-1001-4-902	21	20
46-1001-4-903	19	23
46-1001-4-909	20	7
46-1001-4-910	25	4-1
46-1001-4-911	20	1-1
46-1001-4-913	23	18
46-1001-4-914	30	64
46-1001-4-915	10	39
46-1001-4-916	21	13
46-1001-4-917	19	26
46-1001-4-918	19	8
46-1001-4-919	19	15
46-1001-4-920	19	21
46-1001-4-921	19	17
46-1001-4-922	10	44
46-1001-4-923	10	46
46-1001-4-924	10	47
46-1001-4-925	10	48
46-1001-4-926	10	45
46-1001-4-928	30	4
46-1001-4-929	30	5
46-1001-4-931	33	3
46-1001-4-934	33	2
46-1001-4-935	31	3
46-1001-4-936	31	6
46-1001-4-937	31	8
46-1001-4-938	31	4
46-1001-4-939	31	1
46-1001-4-940	29	1
46-1001-4-941	30	1-1
46-1001-4-942	29	40
46-1001-4-944	29	36
46-1001-4-946	29	11
46-1001-4-948	7	44
46-1001-4-950	9	52
46-1001-4-951	9	51
46-1001-4-957	8	69
46-1001-4-958	8	70
46-1001-4-963	9	54
46-1001-4-964	9	47
46-1001-4-965	8	80
46-1001-4-966	8	78
46-1001-4-967	8	77
46-1001-4-968	8	76
46-1001-4-969	17	10-2
46-1001-4-970	17	10-1
46-1001-4-971	9	5
46-1001-4-972	9	69
46-1001-4-976	8	10
46-1001-4-977	10	62

Parts No.	Page No.	Ref. No.
46-1001-4-979	9	71
46-1001-4-979	7	29
46-1001-4-980	9	70
46-1001-4-981	25	16-1
46-1001-4-982	25	16-2
46-1001-4-983	25	16-3
46-1001-4-984	25	17-1
46-1001-4-985	25	17-2
46-1001-4-986	25	17-3
46-1001-4-987	20	2-1
46-1001-4-988	20	2-2
46-1001-4-989	20	2-3
46-1001-4-990	20	16-1
46-1001-4-991	20	16-2
46-1001-4-992	20	16-3
46-1001-4-993	25	16-4
46-1001-4-994	25	17-4
46-1001-4-995	20	2-4
46-1001-4-996	20	16-4
46-1001-4-997	33	1
46-1001-4-998	32	8
46-1001-4-999	22	37
46-1001-5-000	1	4
46-1001-5-001	1	1
46-1001-5-002	1	6
46-1001-5-003	1	9
46-1001-5-005	1	33
46-1001-5-006	1	34
46-1001-5-007	1	35
46-1001-5-008	1	36
46-1001-5-009	1	26
46-1001-5-010	1	25
46-1001-5-011	1	24
46-1001-5-012	1	31
46-1001-5-013	1	30
46-1001-5-014	1	28
46-1001-5-014	7	5
46-1001-5-015	1	32
46-1001-5-015	7	4
46-1001-5-016	1	21
46-1001-5-016	7	22
46-1001-5-017	1	19
46-1001-5-018	1	20
46-1001-5-019	1	11
46-1001-5-020	1	12
46-1001-5-021	1	15
46-1001-5-022	1	16
46-1001-5-023	1	17
46-1001-5-025	2	39

Parts No.	Page No.	Ref. No.
46-1001-0-271	10	71
46-1001-0-271	11	68
46-1001-0-273	23	48
46-1001-0-274	17	13
46-1001-0-275	23	28
46-1001-0-276	18	30
46-1001-0-277	18	33
46-1001-0-278	23	3
46-1001-0-282	18	35
46-1001-0-282	23	33
46-1001-0-283	8	22
46-1001-0-283	12	37
46-1001-0-284	17	16
46-1001-0-285	8	37
46-1001-0-288	9	1
46-1001-0-289	32	21
46-1001-0-295	18	29
46-1001-0-296	30	30
46-1001-0-297	29	18
46-1001-0-298	29	29
46-1001-0-299	30	54
46-1001-0-300	14	34
46-1001-0-301	30	34
46-1001-0-302	29	20
46-1001-0-302	30	56
46-1001-0-304	10	61
46-1001-0-305	11	61
46-1001-0-306	32	15
46-1001-0-311	26	20
46-1001-0-312	28	10
46-1001-0-313	31	2
46-1001-0-314	26	19
46-1001-0-720	20	11
46-1001-0-721	9	14
46-1001-0-721	20	12
46-1001-0-842	22	23
46-1001-0-845	22	22
46-1001-0-846	22	24
46-1001-0-893	22	25
46-1001-0-894	22	26-1
46-1001-0-895	22	26-2
46-1001-0-896	22	26-3
46-1001-0-897	22	26-4
46-1001-0-898	22	21
46-1001-0-899	22	20
46-1001-0-900	22	1-1
46-1001-0-901	9	43
46-1001-0-902	10	19
46-1001-0-902	14	5
46-1001-0-907	9	9

Parts No.	Page No.	Ref. No.
46-1001-0-908	9	12
46-1001-0-913	22	26-5
46-1001-0-914	19	22
46-1001-0-914	7	46
46-1001-0-915	25	15-1
46-1001-0-916	20	2-1
46-1001-0-920	9	44
46-1001-0-921	14	33
46-1001-0-922	29	21
46-1001-0-922	30	33
46-1001-0-923	21	21
46-1001-0-924	21	16
46-1001-0-954	20	10
46-1001-0-955	22	4-1
46-1001-0-956	22	3
46-1001-0-957	22	2-1
46-1001-0-958	10	26
46-1001-0-958	22	30
46-1001-0-959	10	59
46-1001-0-959	22	29
46-1001-0-965	22	1-2
46-1001-0-976	22	4-2
46-1001-0-977	22	2-2
46-1001-0-978	22	1-3
46-1001-0-979	22	26-6
46-1001-0-987	22	15-1
46-1001-0-988	22	15-2
46-1001-0-998	22	31-2
46-1001-1-095	29	48-1
46-1001-1-095	30	71-1
46-1001-1-095	31	17
46-1001-1-096	29	48-2
46-1001-1-096	30	71-2
46-1001-1-097	29	48-3
46-1001-1-097	30	71-3
46-1001-1-098	29	48-4
46-1001-1-098	30	71-4
46-1001-1-304	7	35
46-1001-1-305	7	36
46-1001-1-306	7	37
46-1001-1-415	10	28
46-1001-1-416	10	28
46-1001-1-417	10	28
46-1001-1-418	10	28
46-1001-1-419	10	28
46-1001-4-005	16	33
46-1001-4-010	16	44-2
46-1001-4-011	16	44-1

Parts No.	Page No.	Ref. No.
46-1001-4-023	24	16
46-1001-4-030	16	32
46-1001-4-032	11	24
46-1001-4-056	11	29
46-1001-4-101	18	1
46-1001-4-106	18	8
46-1001-4-108	15	35
46-1001-4-110	14	18
46-1001-4-112	18	7
46-1001-4-116	15	32
46-1001-4-117	15	30
46-1001-4-119	15	33
46-1001-4-120	15	26
46-1001-4-129	14	23
46-1001-4-129	15	8
46-1001-4-136	14	36
46-1001-4-136	15	43
46-1001-4-136	26	11-1
46-1001-4-136	34	12-1
46-1001-4-143	14	13
46-1001-4-144	14	48
46-1001-4-144	15	55
46-1001-4-186	8	56
46-1001-4-215	8	55
46-1001-4-222	8	59
46-1001-4-223	8	63
46-1001-4-224	9	40
46-1001-4-225	9	41
46-1001-4-244	12	19
46-1001-4-244	34	11-1
46-1001-4-250	25	4-2
46-1001-4-251	25	4-3
46-1001-4-252	25	15-2
46-1001-4-253	25	15-3
46-1001-4-254	20	1-2
46-1001-4-255	20	1-3
46-1001-4-256	20	2-2
46-1001-4-257	20	2-3
46-1001-4-260	24	11
46-1001-4-267	12	25
46-1001-4-268	25	4-4
46-1001-4-269	25	15-4
46-1001-4-270	20	1-4
46-1001-4-271	20	2-4
46-1001-4-280	20	14
46-1001-4-281	20	14
46-1001-4-282	20	14
46-1001-4-284	20	14
46-1001-4-285	20	14
46-1001-4-286	20	14

Parts No.	Page No.	Ref. No.
46-1001-4-300	11	55
46-1001-4-301	11	57
46-1001-4-302	11	48
46-1001-4-335	20	14
46-1001-4-336	20	14
46-1001-4-337	20	14
46-1001-4-339	20	14
46-1001-4-340	20	14
46-1001-4-342	20	14
46-1001-4-343	20	14
46-1001-4-345	20	14
46-1001-4-346	20	14
46-1001-4-347	20	14
46-1001-4-348	20	14
46-1001-4-349	20	14
46-1001-4-350	20	14
46-1001-4-351	20	14
46-1001-4-356	30	42
46-1001-4-400	18	17
46-1001-4-401	29	15
46-1001-4-401	30	50
46-1001-4-402	15	18
46-1001-4-408	9	58
46-1001-4-409	9	23
46-1001-4-411	9	64
46-1001-4-413	9	45
46-1001-4-418	22	8
46-1001-4-421	22	12
46-1001-4-423	9	66
46-1001-4-424	9	63
46-1001-4-425	9	61
46-1001-4-426	12	22
46-1001-4-427	26	2-2
46-1001-4-428	9	21
46-1001-4-430	24	10
46-1001-4-432	9	49
46-1001-4-433	9	59
46-1001-4-434	26	1-2
46-1001-4-436	13	46
46-1001-4-438	13	45
46-1001-4-442	13	72
46-1001-4-445	13	33
46-1001-4-447	13	12
46-1001-4-448	13	9
46-1001-4-449	13	11
46-1001-4-454	13	16
46-1001-4-455	13	76
46-1001-4-456	13	20
46-1001-4-457	13	21
46-1001-4-458	13	1

Parts No.	Page No.	Ref. No.
46-1001-4-459	13	48
46-1001-4-460	13	8
46-1001-4-462	13	18
46-1001-4-463	13	22
46-1001-4-464	13	24
46-1001-4-465	13	35
46-1001-4-466	13	28
46-1001-4-467	13	30
46-1001-4-468	13	26
46-1001-4-469	13	4
46-1001-4-471	13	37
46-1001-4-472	13	31
46-1001-4-473	13	39
46-1001-4-474	13	32
46-1001-4-478	13	47
46-1001-4-478	34	10
46-1001-4-479	13	63
46-1001-4-480	13	42
46-1001-4-481	12	4
46-1001-4-482	12	9
46-1001-4-483	12	12
46-1001-4-483	26	5-1
46-1001-4-484	26	5-2
46-1001-4-489	26	2-3
46-1001-4-501	12	30
46-1001-4-502	12	38
46-1001-4-503	12	35
46-1001-4-503	26	6-1
46-1001-4-504	26	6-2
46-1001-4-505	12	27
46-1001-4-505	26	3-1
46-1001-4-506	12	28
46-1001-4-506	26	4-1
46-1001-4-507	26	3-2
46-1001-4-508	26	4-2
46-1001-4-509	12	32
46-1001-4-510	12	41
46-1001-4-512	11	1
46-1001-4-515	10	5
46-1001-4-519	8	53
46-1001-4-520	8	52
46-1001-4-521	8	85
46-1001-4-522	26	8-2
46-1001-4-523	8	31
46-1001-4-524	8	43
46-1001-4-525	8	26
46-1001-4-526	8	51
46-1001-4-527	8	50
46-1001-4-528	9	34
46-1001-4-529	9	25

Parts No.	Page No.	Ref. No.
46-1001-4-530	9	29
46-1001-4-531	9	31
46-1001-4-532	9	33
46-1001-4-533	8	38
46-1001-4-534	8	8
46-1001-4-535	8	71
46-1001-4-536	8	49
46-1001-4-537	8	84
46-1001-4-538	26	7-2
46-1001-4-539	8	14
46-1001-4-546	8	1
46-1001-4-564	32	9
46-1001-4-566	8	23
46-1001-4-571	8	44
46-1001-4-572	8	45
46-1001-4-573	12	18
46-1001-4-574	12	15
46-1001-4-575	12	13
46-1001-4-576	12	14
46-1001-4-577	12	17
46-1001-4-578	12	11
46-1001-4-579	12	46
46-1001-4-583	10	2
46-1001-4-584	10	27
46-1001-4-587	17	17
46-1001-4-588	33	9
46-1001-4-589	17	39
46-1001-4-589	34	9
46-1001-4-590	17	30
46-1001-4-590	34	8
46-1001-4-591	16	35
46-1001-4-591	27	15
46-1001-4-592	16	38
46-1001-4-593	17	37
46-1001-4-594	17	37
46-1001-4-595	26	9
46-1001-4-596	26	9
46-1001-4-597	16	50
46-1001-4-598	16	21
46-1001-4-599	16	26
46-1001-4-600	18	14
46-1001-4-601	24	12
46-1001-4-603	16	43-2
46-1001-4-604	16	43-1
46-1001-4-605	16	53
46-1001-4-606	16	16
46-1001-4-607	17	3
46-1001-4-608	17	20
46-1001-4-609	17	18

Parts No.	Page No.	Ref. No.
46-1001-5-026	2	40
46-1001-5-027	2	12
46-1001-5-028	2	11
46-1001-5-029	2	14
46-1001-5-030	2	15
46-1001-5-031	2	8
46-1001-5-032	2	27
46-1001-5-033	2	4
46-1001-5-034	2	7
46-1001-5-035	2	2
46-1001-5-036	2	1
46-1001-5-037	2	24
46-1001-5-038	2	23
46-1001-5-039	2	19
46-1001-5-040	2	26
46-1001-5-041	2	18
46-1001-5-042	2	16
46-1001-5-043	5	24
46-1001-5-044	2	33
46-1001-5-045	2	34
46-1001-5-046	2	36
46-1001-5-047	2	37
46-1001-5-048	2	29
46-1001-5-049	2	31
46-1001-5-050	2	28
46-1001-5-051	2	38
46-1001-5-052	5	23
46-1001-5-053	5	26
46-1001-5-054	3	1
46-1001-5-056	3	3
46-1001-5-057	3	4
46-1001-5-058	3	5
46-1001-5-059	4	1
46-1001-5-060	4	2
46-1001-5-061	4	3
46-1001-5-062	4	5
46-1001-5-063	4	7
46-1001-5-064	4	11
46-1001-5-065	4	8
46-1001-5-066	4	10
46-1001-5-067	4	14
46-1001-5-068	3	12
46-1001-5-069	3	11
46-1001-5-070	3	15
46-1001-5-071	3	16
46-1001-5-072	3	19
46-1001-5-073	3	20
46-1001-5-073	5	17
46-1001-5-074	3	22
46-1001-5-075	3	24

Parts No.	Page No.	Ref. No.
46-1001-5-076	3	25
46-1001-5-078	3	30
46-1001-5-079	3	29
46-1001-5-081	3	26
46-1001-5-081	34	25
46-1001-5-082	3	34
46-1001-5-083	5	36
46-1001-5-084	3	7
46-1001-5-085	5	58
46-1001-5-086	3	33
46-1001-5-087	3	35
46-1001-5-088	3	9
46-1001-5-089	5	41
46-1001-5-090	5	45
46-1001-5-091	5	15
46-1001-5-091	5	44
46-1001-5-092	5	43
46-1001-5-093	5	11
46-1001-5-094	5	7
46-1001-5-095	5	12
46-1001-5-096	5	1
46-1001-5-097	5	2
46-1001-5-098	5	30
46-1001-5-099	5	49
46-1001-5-100	5	51
46-1001-5-101	5	5
46-1001-5-102	5	55
46-1001-5-103	5	57
46-1001-5-104	5	29
46-1001-5-105	5	62
46-1001-5-106	5	60
46-1001-5-107	5	59
46-1001-5-108	5	13
46-1001-5-109	2	30
46-1001-5-110	1	23
46-1001-5-111	1	18
46-1001-5-112	3	27
46-1001-5-113	7	34
46-1001-5-151	34	26
46-1001-5-152	34	28
46-1001-5-153	34	29
46-1001-5-154	34	16
46-1001-5-156	6	34
46-1001-5-157	6	17
46-1001-5-158	6	18
46-1001-5-159	6	24
46-1001-5-160	6	29
46-1001-5-161	6	28
46-1001-5-162	6	27
46-1001-5-163	6	30

Parts No.	Page No.	Ref. No.
46-1001-5-164	6	21
46-1001-5-164	6	35
46-1001-5-166	6	14
46-1001-5-167	6	13
46-1001-5-168	6	5
46-1001-5-169	6	3
46-1001-5-170	6	2
46-1001-5-171	6	4
46-1001-5-172	6	10
46-1001-5-173	6	6
46-1001-5-174	6	1
46-1001-5-175	6	38
46-1001-5-176	34	17
46-1001-5-177	34	7
46-1001-5-179	34	31
46-1001-5-180	34	30
46-1001-5-181	6	36
46-1001-5-182	6	37
46-1001-5-183	2	42
46-1001-5-184	2	43
46-1001-5-185	13	2
46-1001-5-200	26	8-3
46-1001-5-201	26	6-3
46-1001-5-202	26	7-3
46-1001-5-203	26	1-3
46-1001-5-213	26	9
46-1001-5-214	26	9
46-1001-5-216	14	38
46-1001-5-216	15	45
46-1001-5-217	26	10-2
46-1001-5-218	26	10-3
46-1001-5-219	26	9
46-1001-5-220	10	60
46-1001-5-221	10	65
46-1001-5-222	11	25
46-1001-5-223	11	28
46-1001-5-224	32	3
46-1001-5-226	32	4
46-1001-5-228	10	38
46-1001-5-230	33	13
46-1001-5-231	17	12
46-1001-5-232	15	27
46-1001-5-233	15	25
46-1001-5-235	29	45
46-1001-5-235	30	69
46-1001-5-236	28	1
46-1001-5-237	28	4
46-1001-5-238	28	5
46-1001-5-239	29	10
46-1001-5-240	28	7

Parts No.	Page No.	Ref. No.
46-1001-5-241	27	20
46-1001-5-242	28	6
46-1001-5-243	28	8
46-1001-5-244	27	15
46-1001-5-245	28	2
46-1001-5-247	27	19-1
46-1001-5-248	27	19-2
46-1001-5-250	28	3
46-1001-5-251	26	1-4
46-1001-5-252	26	1-5
46-1001-5-253	26	1-6
46-1001-5-254	26	2-4
46-1001-5-255	26	2-5
46-1001-5-256	26	2-6
46-1001-5-257	28	9
46-1001-5-258	26	14
46-1001-5-259	26	15
46-1001-5-260	26	15
46-1001-5-261	26	15
46-1001-5-262	26	15
46-1001-5-263	26	15
46-1001-5-264	26	15
46-1001-5-265	26	15
46-1001-5-266	26	15
46-1001-5-267	26	15
46-1001-5-268	26	15
46-1001-5-269	26	15
46-1001-5-270	26	15
46-1001-5-271	26	15
46-1001-5-272	26	15
46-1001-5-273	26	15
46-1001-5-274	26	15
46-1001-5-275	26	15
46-1001-5-276	26	15
46-1001-5-277	26	15
46-1001-5-278	26	15
46-1001-5-279	26	15
46-1001-5-280	26	15
46-1001-5-281	26	15
46-1001-5-282	26	15
46-1001-5-283	26	9
46-1001-5-284	26	9
46-1001-5-285	26	9
46-1001-5-286	26	9
46-1001-5-287	26	9
46-1001-5-288	26	9
46-1001-5-289	26	11-2
46-1001-5-289	34	12-2
46-1001-5-290	27	12

Parts No.	Page No.	Ref. No.
46-1001-5-291	27	13
46-1001-5-292	27	14
46-1001-5-292	34	11-2
46-1001-5-293	26	7-4
46-1001-5-294	26	7-5
46-1001-5-295	26	7-6
46-1001-5-296	26	8-4
46-1001-5-297	26	8-5
46-1001-5-298	26	8-6
46-1001-5-299	26	6-4
46-1001-5-300	26	6-5
46-1001-5-301	26	6-6
46-1001-5-302	26	5-2
46-1001-5-303	27	16-2
46-1001-5-304	27	16-1
46-1001-5-308	27	1-1
46-1001-5-309	27	1-2
46-1001-5-310	27	1-3
46-1001-5-311	27	2-1
46-1001-5-312	27	2-2
46-1001-5-313	27	2-3
46-1001-5-317	33	10-2
46-1001-5-318	33	10-3
46-1001-5-319	33	10-4
46-1001-5-323	33	11-2
46-1001-5-324	33	11-3
46-1001-5-325	33	11-4
46-1001-5-327	33	5-2
46-1001-5-328	27	9
46-1001-5-329	27	7
46-1001-5-330	27	3
46-1001-5-331	27	11
46-1001-5-332	26	13
46-1001-5-333	26	13
46-1001-5-334	26	13
46-1001-5-335	26	13
46-1001-5-336	26	13
46-1001-5-337	26	13
46-1001-5-338	26	13
46-1001-5-339	26	13
46-1001-5-340	26	13
46-1001-5-341	26	13
46-1001-5-342	26	13
46-1001-5-343	26	13
46-1001-5-344	26	13
46-1001-5-345	26	13
46-1001-5-346	26	13
46-1001-5-347	26	13
46-1001-5-348	26	13
46-1001-5-349	26	13

Parts No.	Page No.	Ref. No.
46-1001-5-350	26	13
46-1001-5-351	26	13
46-1001-5-352	26	13
46-1001-5-353	26	13
46-1001-5-354	26	13
46-1001-5-355	26	13
46-1001-5-356	26	10-4
46-1001-5-357	26	10-5
46-1001-5-358	26	10-6
46-1001-5-360	8	65
46-1001-5-361	26	14
46-1001-5-362	26	14
46-1001-5-363	8	66
46-1001-5-364	8	66
46-1001-5-365	26	15
46-1001-5-366	26	15
46-1001-5-367	26	15
46-1001-5-368	26	15
46-1001-5-369	26	15
46-1001-5-370	8	66
46-1001-5-371	8	66
46-1001-5-372	26	15
46-1001-5-373	26	15
46-1001-5-374	26	15
46-1001-5-375	26	15
46-1001-5-376	26	15
46-1001-5-377	8	66
46-1001-5-378	8	66
46-1001-5-379	26	15
46-1001-5-380	26	15
46-1001-5-381	26	15
46-1001-5-382	26	15
46-1001-5-383	26	15
46-1001-5-384	8	64
46-1001-5-385	8	64
46-1001-5-386	8	64
46-1001-5-387	8	64
46-1001-5-388	8	64
46-1001-5-389	8	64
46-1001-5-390	26	13
46-1001-5-391	26	13
46-1001-5-392	26	13
46-1001-5-393	26	13
46-1001-5-394	26	13
46-1001-5-395	26	13
46-1001-5-396	26	13
46-1001-5-397	26	13
46-1001-5-398	26	13
46-1001-5-399	26	13
46-1001-5-400	26	13

Parts No.	Page No.	Ref. No.
46-1001-5-026	2	40
46-1001-5-027	2	12
46-1001-5-028	2	11
46-1001-5-029	2	14
46-1001-5-030	2	15
46-1001-5-031	2	8
46-1001-5-032	2	27
46-1001-5-033	2	4
46-1001-5-034	2	7
46-1001-5-035	2	2
46-1001-5-036	2	1
46-1001-5-037	2	24
46-1001-5-038	2	23
46-1001-5-039	2	19
46-1001-5-040	2	26
46-1001-5-041	2	18
46-1001-5-042	2	16
46-1001-5-043	5	24
46-1001-5-044	2	33
46-1001-5-045	2	34
46-1001-5-046	2	36
46-1001-5-047	2	37
46-1001-5-048	2	29
46-1001-5-049	2	31
46-1001-5-050	2	28
46-1001-5-051	2	38
46-1001-5-052	5	23
46-1001-5-053	5	26
46-1001-5-054	3	1
46-1001-5-056	3	3
46-1001-5-057	3	4
46-1001-5-058	3	5
46-1001-5-059	4	1
46-1001-5-060	4	2
46-1001-5-061	4	3
46-1001-5-062	4	5
46-1001-5-063	4	7
46-1001-5-064	4	11
46-1001-5-065	4	8
46-1001-5-066	4	10
46-1001-5-067	4	14
46-1001-5-068	3	12
46-1001-5-069	3	11
46-1001-5-070	3	15
46-1001-5-071	3	16
46-1001-5-072	3	19
46-1001-5-073	3	20
46-1001-5-073	5	17
46-1001-5-074	3	22
46-1001-5-075	3	24

Parts No.	Page No.	Ref. No.
46-1001-5-076	3	25
46-1001-5-078	3	30
46-1001-5-079	3	29
46-1001-5-081	3	26
46-1001-5-081	34	25
46-1001-5-082	3	34
46-1001-5-083	5	36
46-1001-5-084	3	7
46-1001-5-085	5	58
46-1001-5-086	3	33
46-1001-5-087	3	35
46-1001-5-088	3	9
46-1001-5-089	5	41
46-1001-5-090	5	45
46-1001-5-091	5	15
46-1001-5-091	5	44
46-1001-5-092	5	43
46-1001-5-093	5	11
46-1001-5-094	5	7
46-1001-5-095	5	12
46-1001-5-096	5	1
46-1001-5-097	5	2
46-1001-5-098	5	30
46-1001-5-099	5	49
46-1001-5-100	5	51
46-1001-5-101	5	5
46-1001-5-102	5	55
46-1001-5-103	5	57
46-1001-5-104	5	29
46-1001-5-105	5	62
46-1001-5-106	5	60
46-1001-5-107	5	59
46-1001-5-108	5	13
46-1001-5-109	2	30
46-1001-5-110	1	23
46-1001-5-111	1	18
46-1001-5-112	3	27
46-1001-5-113	7	34
46-1001-5-151	34	26
46-1001-5-152	34	28
46-1001-5-153	34	29
46-1001-5-154	34	16
46-1001-5-156	6	34
46-1001-5-157	6	17
46-1001-5-158	6	18
46-1001-5-159	6	24
46-1001-5-160	6	29
46-1001-5-161	6	28
46-1001-5-162	6	27
46-1001-5-163	6	30

Parts No.	Page No.	Ref. No.
46-1001-5-164	6	21
46-1001-5-164	6	35
46-1001-5-166	6	14
46-1001-5-167	6	13
46-1001-5-168	6	5
46-1001-5-169	6	3
46-1001-5-170	6	2
46-1001-5-171	6	4
46-1001-5-172	6	10
46-1001-5-173	6	6
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46-1001-5-175	6	38
46-1001-5-176	34	17
46-1001-5-177	34	7
46-1001-5-179	34	31
46-1001-5-180	34	30
46-1001-5-181	6	36
46-1001-5-182	6	37
46-1001-5-183	2	42
46-1001-5-184	2	43
46-1001-5-185	13	2
46-1001-5-200	26	8-3
46-1001-5-201	26	6-3
46-1001-5-202	26	7-3
46-1001-5-203	26	1-3
46-1001-5-213	26	9
46-1001-5-214	26	9
46-1001-5-216	14	38
46-1001-5-216	15	45
46-1001-5-217	26	10-2
46-1001-5-218	26	10-3
46-1001-5-219	26	9
46-1001-5-220	10	60
46-1001-5-221	10	65
46-1001-5-222	11	25
46-1001-5-223	11	28
46-1001-5-224	32	3
46-1001-5-226	32	4
46-1001-5-228	10	38
46-1001-5-230	33	13
46-1001-5-231	17	12
46-1001-5-232	15	27
46-1001-5-233	15	25
46-1001-5-235	29	45
46-1001-5-235	30	69
46-1001-5-236	28	1
46-1001-5-237	28	4
46-1001-5-238	28	5
46-1001-5-239	29	10
46-1001-5-240	28	7

Parts No.	Page No.	Ref. No.
46-1001-5-401	26	13
46-1001-5-402	26	13
46-1001-5-403	26	13
46-1001-5-404	26	13
46-1001-5-405	8	66
46-1001-5-406	8	66
46-1001-5-407	8	66
46-1001-5-408	8	64
46-1001-5-409	8	64
46-1001-5-410	8	64
46-1001-5-411	17	37
46-1001-5-420	7	3
46-1001-5-421	7	28
46-1001-5-422	7	31
46-1001-5-423	7	32
46-1001-5-424	7	33
46-1001-5-425	7	20
46-1001-5-427	7	38
46-1001-5-430	30	1-2
46-1001-5-431	7	1
46-1001-5-432	7	2
46-1001-5-433	7	41
46-1001-5-434	34	1-1
46-1001-5-435	34	1-2
46-1001-5-436	34	1-4
46-1001-5-437	34	1-5
46-1001-5-438	34	1-6
46-1001-5-439	34	1-8
46-1001-5-445	26	8-1
46-1001-5-446	26	1-1
46-1001-5-447	26	17
46-1001-5-448	26	2-1
46-1001-5-449	26	18
46-1001-5-451	26	10-1
46-1001-5-452	26	7-1
46-1001-5-453	26	15
46-1001-5-454	26	15
46-1001-5-455	26	9
46-1001-5-456	26	14
46-1001-5-457	26	9
46-1001-5-458	26	15
46-1001-5-459	26	13
46-1001-5-460	26	13
46-1001-5-461	26	13
46-1001-5-466	33	12-1
46-1001-5-468	33	12-2
46-1001-5-470	33	12-3
46-1001-5-485	8	64
46-1002-0-126	7	15

Parts No.	Page No.	Ref. No.
46-1002-0-758	5	63
46-1002-0-759	8	5
46-1002-1-465	9	13
46-1002-2-837	22	36
46-1003-2-719	19	38
46-1003-2-719	29	22
46-1003-2-719	30	52
46-1003-2-820	13	6
46-1003-6-104	10	66
46-1003-6-133	13	67
46-1003-7-108	7	12
46-1003-7-919	34	27
46-1006-0-248	8	6
46-1006-0-248	30	40
46-1006-0-248	7	7
46-1006-3-612	16	12
46-1007-7-286	8	46
46-1007-7-296	8	32
46-1007-7-296	13	19
46-1008-0-232	7	18
46-1008-0-705	7	17
46-1008-0-714	8	19
46-1008-5-276	7	16
46-1009-3-514	7	11
46-1009-3-535	7	13
46-1009-4-562	8	25
46-1009-9-045	34	15
46-1009-9-133	34	6
46-1009-9-134	34	18
46-1009-9-135	34	32
46-1009-9-136	34	19
46-1009-9-137	34	20
46-1009-9-138	34	21
46-1009-9-139	34	22
46-1009-9-140	34	23

Parts No.	Page No.	Ref. No.
	1	1
	2	2
	3	3
	4	4
	5	5
	6	6
	7	7
	8	8
	9	9
	10	10
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	12	12
	13	13
	14	14
	15	15
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	18	18
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