

AMF REECE
Better Ideas, Better Made

Series 48

Lockstitch Pocket Welting Machines
for
Patch, Flap Loader and Accessory



Illustrated Parts Manual

Numbering of Model Plate

(example) S 48-J A 10-1 75 D-2 2 J-1 0 0

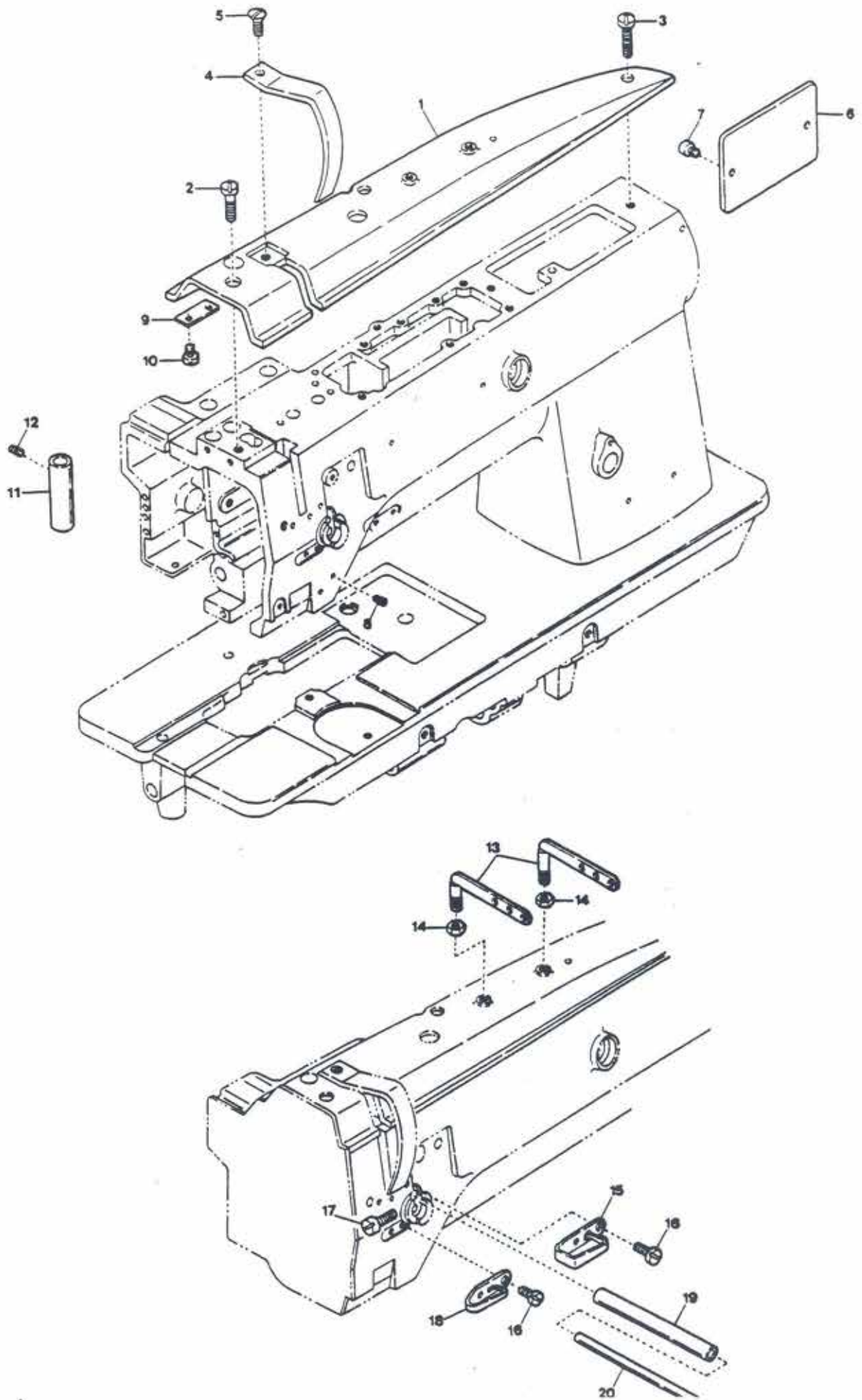
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① ②③④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Symbol of Series
- ② Kind of Patch or/and Flap Loader
 - E : without Patch and Flap Loader
 - F : Patch Loader(Right), Complete
 - G : Patch Loader(Left), Complete
 - H : Patch and Flap Loader, Complete
(P=Right, F=Left)
 - J : Patch and Flap Loader, Complete
(P=Left F=Right)
- ③ Kind of Leg
 - A : Adjustable Foot
- ④ Needle Distance
 - 10 : 10mm
 - 12 : 12mm
- ⑤ Size of Patch Guide
 - 175 : 17.5mm
 - 220 : 22.0mm
- ⑥ Kind of Welting
 - S : for single welting
 - D : for double welting
- ⑦ Indication of Voltage
 - 22 : 220V
 - 38 : 380V
- ⑧ Phase, Frequency and Motor
 - J : 3phase, 60Hz, positioner motor
 - C : 3phase, 50Hz, positioner motor
- ⑨ Language of Panel Indication
 - 100 : English
 - 400 : Japanese

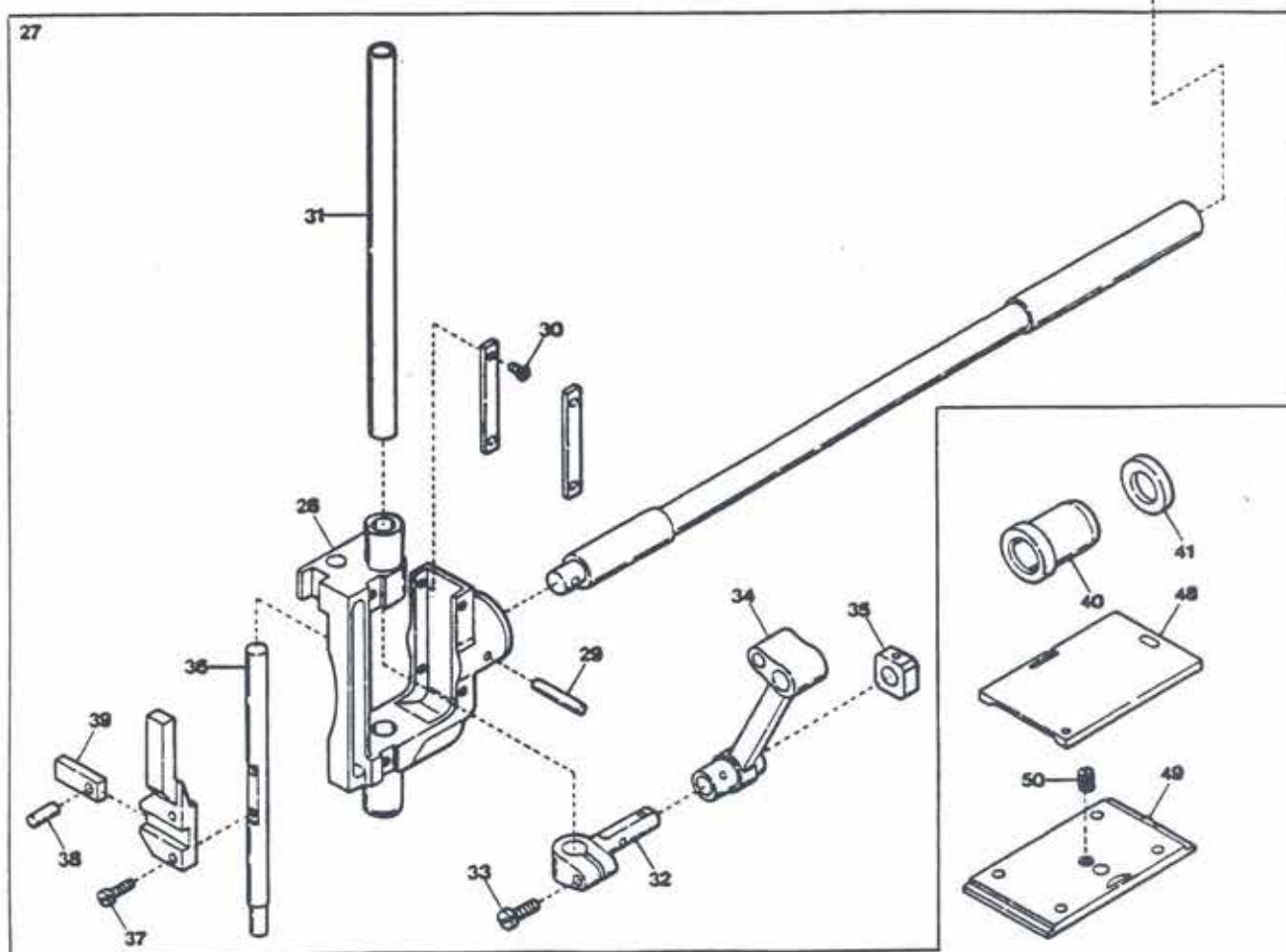
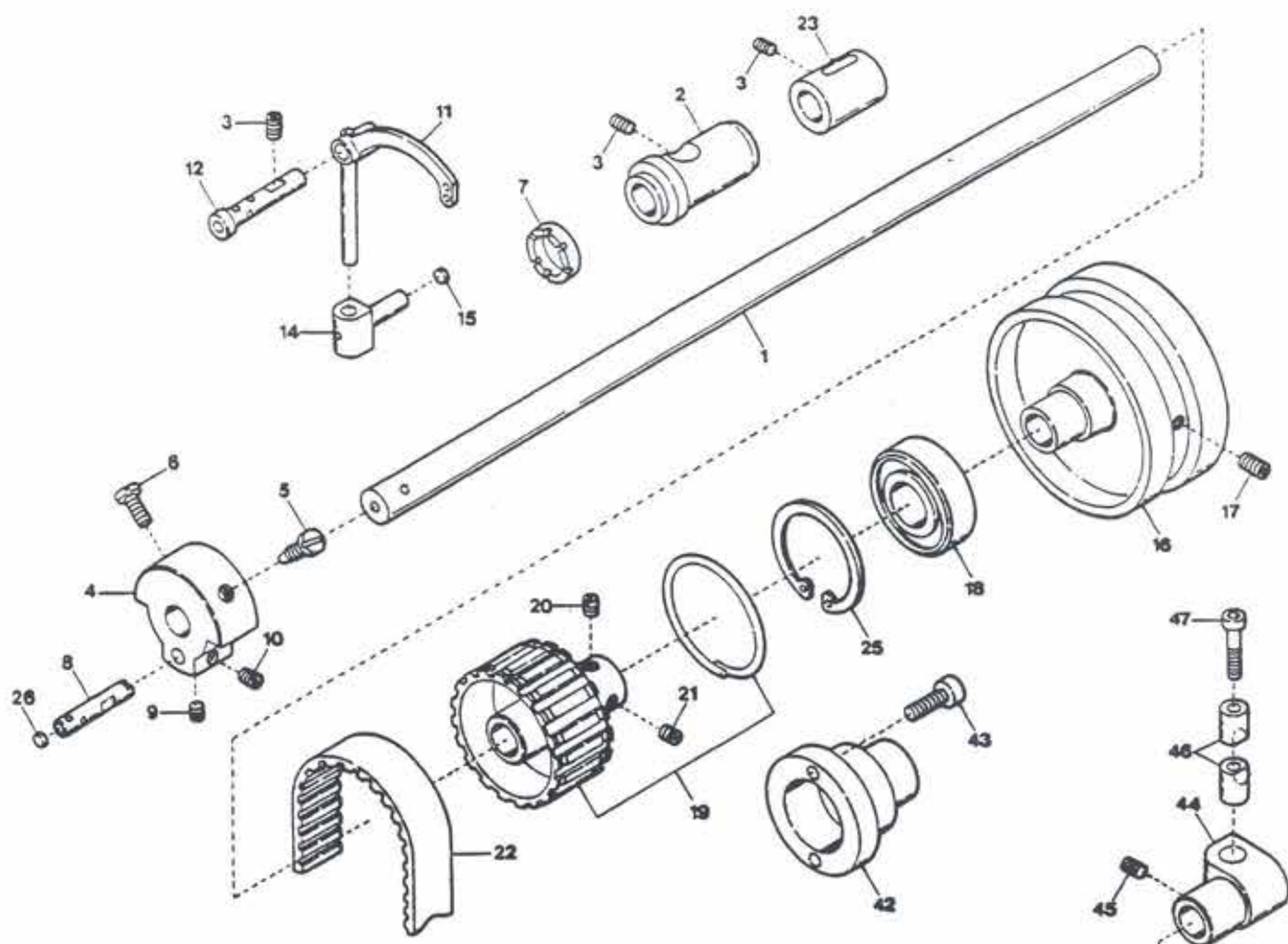
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Illustration of this Parts Book is based on the Model
Series48-EA10(12,14,16,18,20).

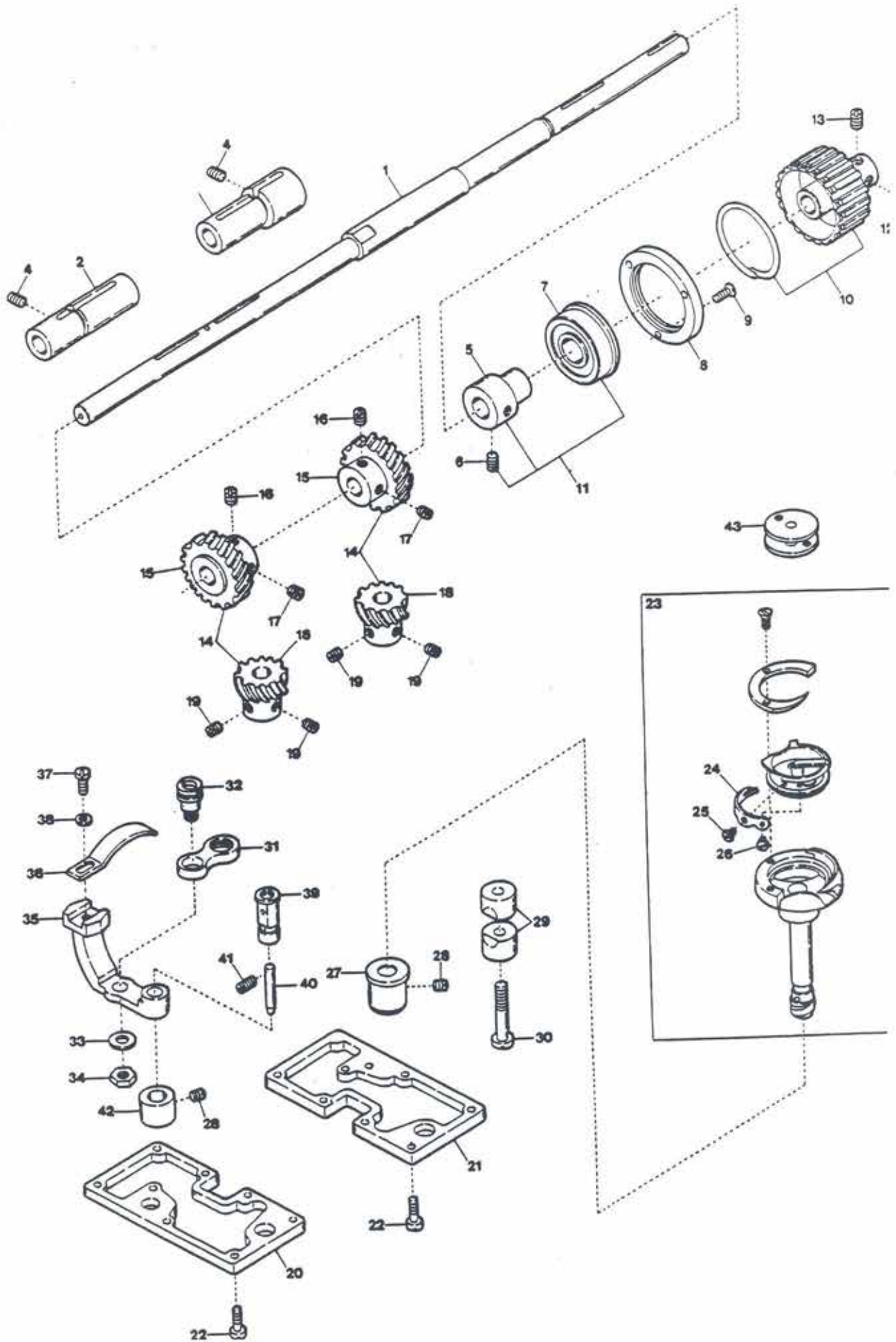


Det. No	Parts. No	Description
1	48-1900-0-030	Arm Top Cover
2	46-1000-8-200	Screw(4.37-40×16)
3	46-1000-8-201	Screw(4.37-40×16)
4	46-1001-5-000	Thread Take-up Cover
5	48-1092-0-000	Screw(4.76)
6	48-1900-0-032	Rear Cover
7	46-1000-8-202	Screw(3.57-40×6)
8	46-1000-8-245	Screw(4.37)
9	48-1900-0-033	Supplementary Arm Top Cover
10	48-1092-0-001	Screw(3.18-40×4)
11	46-1001-5-054	Presser Bar Bushing (Upper)
12	46-1000-8-289	Screw(5.95)
13	46-1001-5-003	Top Cover Thread Guide
14	46-1000-8-252	Nut(5.95)
15	46-1001-5-020	Arm Thread Guide (Upper)
16	46-1000-8-229	Screw(3.57)
17	46-1000-8-203	Screw(3.57)
18	46-1001-5-021	Arm Thread Guide (Center)
19	46-1001-5-022	Pipe
20	46-1001-5-023	Tension Release Bar



Det. No	Parts. No	Description
1	48-1900-0-034	Upper Shaft
2	48-1900-0-035	Upper Shaft Bushing (Left)
3	46-1000-8-233	Screw(5.95)
4	46-1001-5-033	Counter Weight
5	46-1000-8-205	Screw(7.14)
6	46-1000-8-206	Screw(7.14)
7	46-1001-5-034	Thrust Ring
8	48-1900-0-036	Needle Bar Crank
9	48-1092-0-002	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	.....	.....
14	46-1001-5-029	Thread Take-up Lever Slide Block
15	46-1001-5-030	Pusher
16	48-1900-0-039	Pulley
17	48-1092-0-003	Screw(5.95-28×14)
18	46-1001-5-041	Bearing(6204 VV)
19	46-1001-5-039	Timing Belt Wheel (Upper) Assembly
20	46-1000-8-236	Screw(6.35×12)
21	46-1000-8-237	Screw(6.35×12)
22	46-1001-5-038	Timing Belt
23	46-1001-5-037	Upper Shaft Bushing (Center)
24	.....	.....
25	46-1001-5-040	Stop Ring(C)
26	48-1900-0-040	Pusher
27	48-1900-0-041	Needle Bar Crank Rod Assembly
28	48-1900-0-042	Needle Bar Support
29	46-1001-5-109	Taper Pin
30	46-1000-8-230	Screw(2.38)
31	48-1900-0-043	Needle Bar
32	48-1900-0-044	Needle Bar Clamp
33	48-1092-0-004	Screw(3.57)
34	46-1001-5-046	Needle Bar Crank Rod
35	46-1001-5-047	Needle Bar Guide Slide Block
36	48-1900-0-045	Center Knife Bar
37	46-1000-8-207	Screw(3.57-40×8)
38	48-1900-0-046	Block Shaft
39	48-1900-0-047	Center Knife Bar Block
40	48-1900-0-048	Needle Bar Rock Shaft Bushing(Left)

Det. No	Parts. No	Description
41	48-1900-0-051	Spacer
42	48-1900-0-052	Coupling Joint
43	48-1092-0-006	Screw(4.76-32×14)
44	48-1900-0-050	Needle Bar Rock Shaft Stop
45	48-1092-0-005	Screw(6.35)
46	46-1001-5-184	Pinch Sleeve
47	46-1000-9-753	Screw(M6×30)
48	46-1001-5-025	Slide Plate(Right)
49	48-1900-0-049	Slide Plate Front Assembly
50	46-1000-8-238	Screw(5.16)



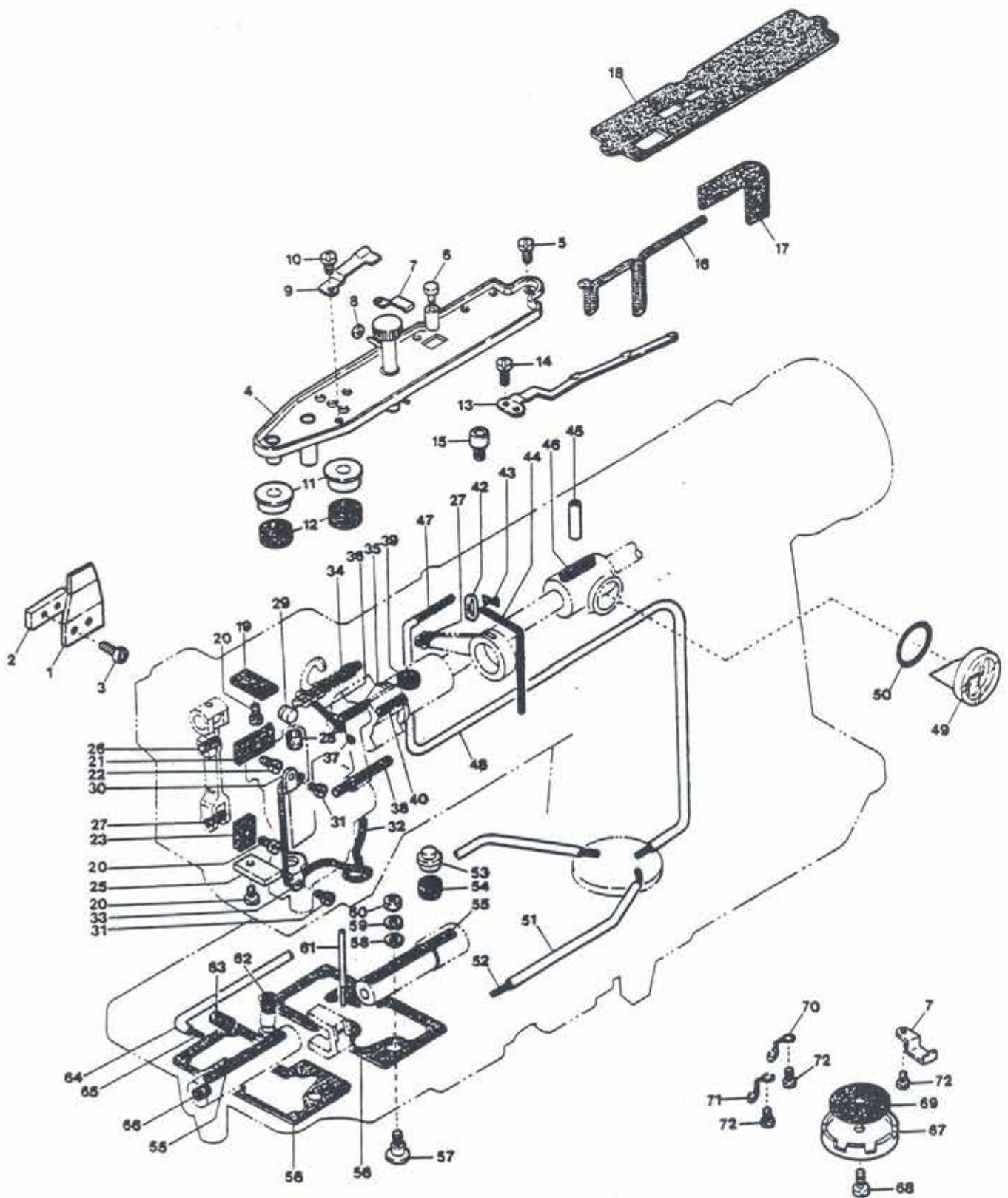
Det. No	Parts. No	Description
1	46-1001-5-059	Lower Shaft
2	46-1001-5-060	Rotary Hook Base Bushing(Left)
3	46-1001-5-061	Rotary Hook Base Bushing(Right)
4	46-1000-8-239	Screw(5.95)
5	46-1001-5-062	Bearing Holder
6	46-1000-8-242	Screw(6.35×7)
7	46-1001-5-063	Bushing
8	46-1001-5-065	Presser
9	48-1092-0-007	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	48-1900-0-053	Spiral Gear Assembly
15	48-1900-0-054	Spiral Gear
16	46-1000-8-243	Screw(6.35)
17	46-1000-8-235	Screw(6.35)
18	48-1900-0-055	Pinion
19	46-1000-8-234	Screw(6.35)
20	46-1001-5-084	Oil Reservoir(Left)
21	46-1001-5-088	Oil Reservoir(Right)
22	46-1000-8-208	Screw(4.76)
23	48-1125-5-705	Outer Rotary Hook Assembly
24	46-1001-5-078	Tension Adjusting Spring
25	46-1000-8-209	Tension Adjusting Screw
26	46-1000-8-210	Screw
27	46-1001-5-075	Rotary Hook Shaft Bushing(Upper)
28	46-1000-8-240	Screw(4.76)
29	46-1001-5-076	Pinch Sleeve
30	48-1092-0-008	Screw(5.95)
31	46-1001-5-070	Opener Link
32	46-1001-5-071	Link Stud Opener
33	46-1000-8-257	Washer(4.76)
34	48-1093-0-000	Nut
35	46-1001-5-069	Opener Crank
36	46-1001-5-068	Bobbin Case Opener
37	46-1000-8-207	Screw(3.57-40×8)
38	48-1093-0-001	Washer
39	46-1001-5-072	Opener Crank Stud
40	46-1001-5-073	Pipe

Det. No	Parts. No	Description
41	46-1000-8-241	Screw(4.76)
42	46-1001-5-074	Rotary Hook Shaft Bushing(Lower)
43	46-1001-5-081	Bobbin

KNIFE MECHANISM

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Det. No	Parts. No	Description
1	48-1900-0-067	Eccentric Wheel
2	48-1092-0-010	Screw(5.95)
3	48-1900-0-069	Center Knife Connecting Lever
4	48-1900-0-070	Center Knife Rock Arm
5	48-1092-0-011	Screw(5.56-32×16)
6	48-1900-0-071	Stud
7	48-1092-0-012	Screw(3.18)
8	48-1900-0-072	Rock Shaft Bushing (Right)
9	48-1900-0-073	Rock Shaft Bushing (Left)
10	48-1092-0-013	Screw(5.95)
11	48-1900-0-074	Center Knife Rock Shaft Assembly
12	48-1900-0-075	Connecting Rod Assembly
13	48-1900-0-076	Slide Block Driving Stud
14	48-1900-0-077	Center Knife Connecting Lever
15	48-1900-0-078	Connecting Lever Shaft
16	48-1092-0-015	Screw(5.95)
17	48-1900-0-079	Stud
18	48-1092-0-016	Screw(3.18)
19	48-1900-0-080	Change Lever Assembly
20	48-1900-0-081	Set Collar
21	48-1092-0-017	Screw(5.95)
22	48-1900-0-082	Change Lever Stop
23	48-1092-0-018	Screw(4.76)

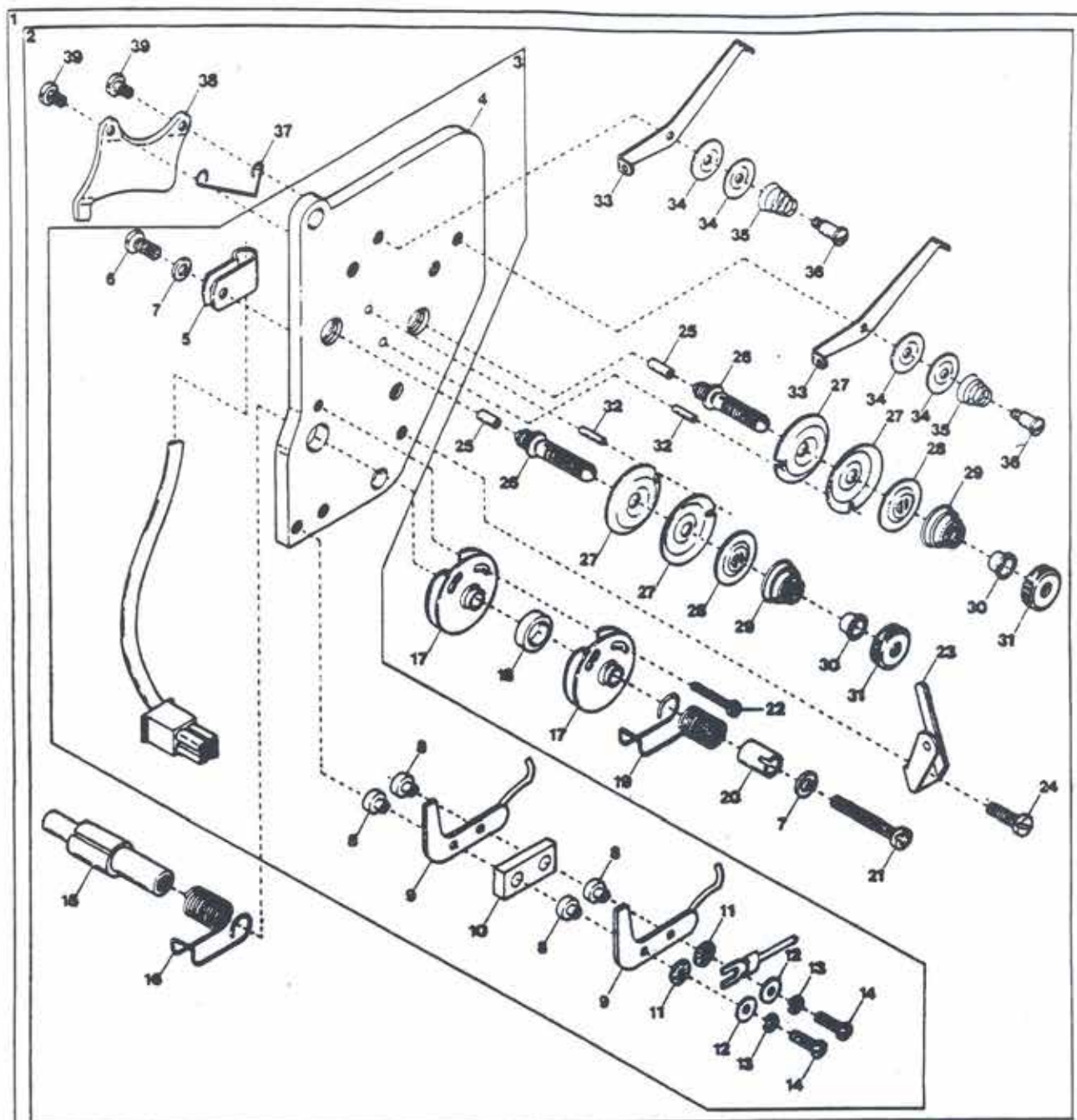


Det. No	Parts. No	Description
1	48-1900-0-086	Oil Stop Plate
2	46-1001-5-097	Oil Stop Plate Presser
3	46-1000-8-211	Screw(4.76-32×8)
4	46-1001-5-089	Oil Receiver Plate Assembly
5	46-1000-8-202	Screw(3.57-40×6)
6	46-1001-5-092	Cap for Oil Inlet
7	46-1001-5-091	Felt Presser
8	46-1000-8-261	Washer
9	46-1001-5-090	Spring Plate
10	46-1000-8-216	Screw(3.57-40×4)
11	48-1900-0-097	Oil Cup
12	48-1900-0-098	Felt
13	46-1001-5-094	Wick Holder
14	46-1000-8-212	Screw(3.18)
15	46-1000-8-248	Oil Guide Tube
16	46-1000-8-267	Wick
17	46-1000-8-273	Felt
18	46-1001-5-093	Packing
19	48-1900-0-095	Felt
20	48-1092-0-021	Screw(3.57)
21	46-1000-8-277	Felt
22	46-1000-8-215	Screw(3.57-40×6)
23	48-1900-0-096	Felt
24	.....	.....
25	48-1900-0-093	Oil Stop Plate
26	48-1093-0-003	Wick
27	48-1900-0-099	Felt
28	46-1001-5-043	Needle Bar Cap
29	48-1900-0-101	Cap
30	48-1900-0-089	Wick Support(Upper)
31	48-1092-0-020	Screw(3.18-40×4)
32	46-1000-8-266	Wick
33	48-1900-0-090	Wick Support(Lower)
34	46-1000-8-269	Wick
35	46-1000-8-272	Wick
36	48-1093-0-004	Wick
37	48-1900-0-102	Cap(Rubber)
38	46-1000-8-271	Wick
39	46-1000-8-274	Felt
40	46-1000-8-268	Wick

Det. No	Parts. No	Description
41	.....	.....
42	48-1900-0-092	Oil Shield
43	48-1900-0-091	Clip
44	48-1093-0-002	Wick
45	46-1001-5-073	Pipe
46	46-1000-8-279	Felt
47	46-1000-8-282	Wick
48	46-1001-5-099	Oil Tube
49	46-1001-5-108	Oil Gauge Window
50	46-1001-5-095	Packing(P16)
51	46-1001-5-101	Oil Tube
52	46-1000-8-284	Wick
53	46-1001-5-098	Oil Cap
54	46-1000-8-275	Felt
55	46-1000-8-278	Felt
56	48-1900-0-087	Packing
57	46-1000-8-226	Oil Adjusting Screw
58	46-1000-8-260	Washer
59	46-1000-8-264	Spring Washer
60	46-1000-8-255	Nut(4.37)
61	48-1900-0-088	Oil Gauge
62	46-1000-8-280	Felt
63	46-1000-8-276	Felt
64	46-1001-5-100	Oil Tube
65	46-1000-8-283	Wick
66	46-1000-8-281	Felt
67	46-1001-5-105	Oil Pipe Support
68	46-1000-8-213	Screw(4.76-32×10)
69	46-1000-8-287	Oil Felt
70	46-1001-5-107	Tube Holder
71	46-1001-5-106	Tube Holder
72	46-1000-8-214	Screw(3.57-40×5)

Det. No	Parts. No	Description
1	46-1001-5-174	Bobbin Winder Assembly
2	46-1001-5-170	Tension Disc
3	46-1001-5-169	Tension Spring
4	46-1001-5-171	Spring
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	Bobbin Winder Wheel 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	Cotton Stand Assembly 3
14	46-1001-5-166	Cotton Stand 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 for Cotton Stand
19	46-1000-8-220	Screw(5×14)
20	46-1000-8-251	Nut
21	46-1001-5-164	Spool Holder
22	46-1000-8-221	Bolt(5×28)
23	46-1000-8-262	Washer
24	46-1001-5-159	Spool Shaft(B)
25	46-1000-8-265	Spring Washer
26	.....	.....
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	Spool Holder Support(A)
31	46-1000-8-222	Screw(5×10)
32	.....	.....
33	.....	.....
34	46-1001-5-156	Thread Hanger Assembly 3
35	.....	.....
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)

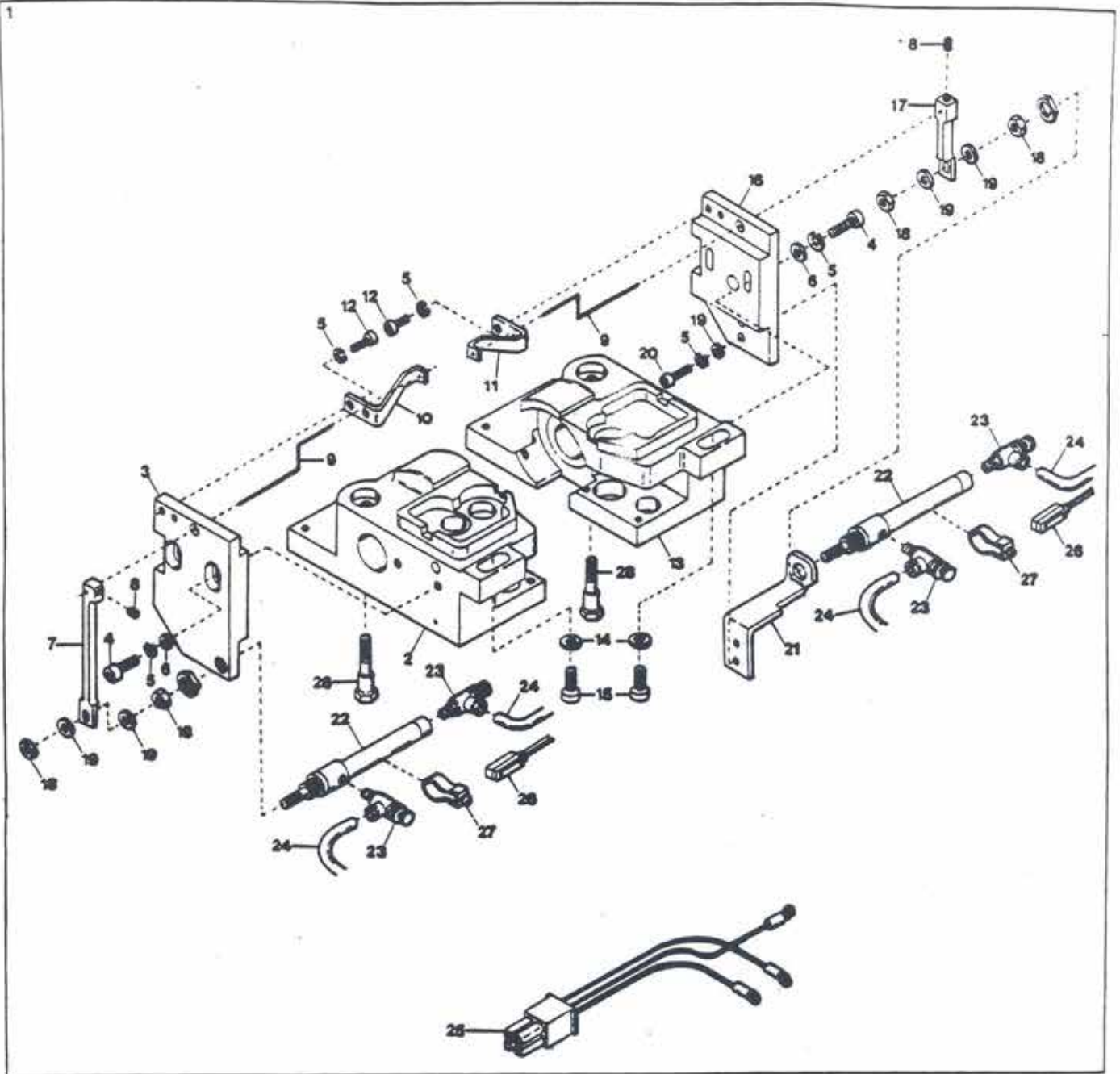
Det. No	Parts. No	Description
41	46-1000-8-223	Screw(4.37-40×3)
42	46-1000-8-264	Spring Washer
43	.....	.....
44	46-1000-8-263	Washer
45	48-1092-0-022	Bolt(4.37)



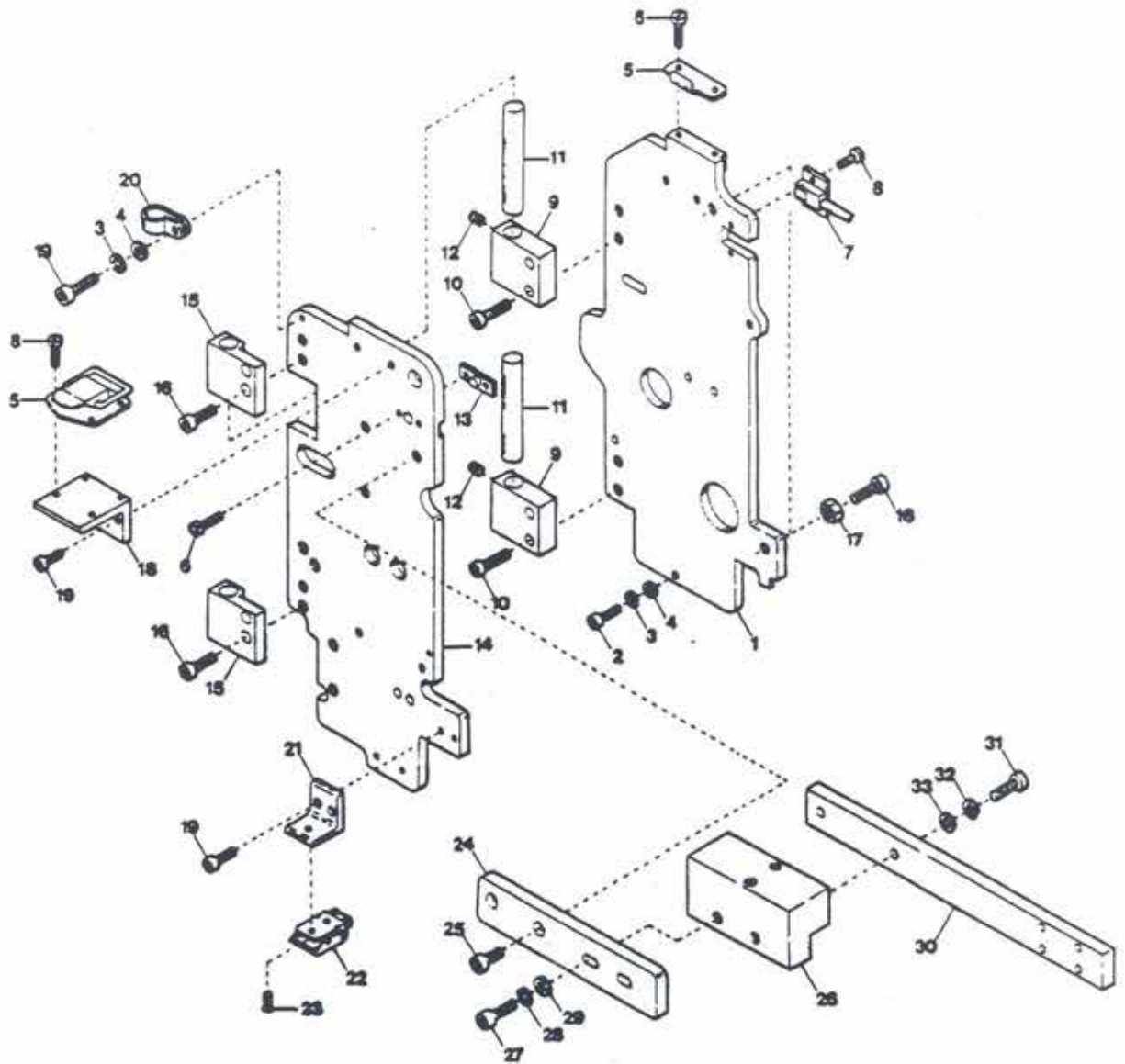
NEEDLE THREAD MONITOR

Det. No	Parts. No	Description
1	48-1125-5-626	Needle Thread Monitor, Complete
2	46-1125-5-578	Thread Tension, Complete(2)
3	46-1125-5-577	Thread Tension, Complete(1)
4	46-1001-5-414	Thread Tension Plate
5	46-1006-0-248	Cord Clamp(ϕ 5.3-3N)
6	46-1000-4-127	Screw(M4-0.7 $\times$ 6)
7	46-1000-0-665	Washer
8	46-1001-4-979	Insulating Bushing
9	48-1125-6-040	Sensing Plate
10	46-1001-5-418	Spacer
11	46-1000-0-257	Washer
12	46-1000-0-014	Washer
13	46-1000-0-002	Spring Washer
14	46-1000-9-812	Screw(M3-0.5 $\times$ 20)
15	46-1001-5-415	Spring Guide Shaft
16	46-1001-5-424	Spring(Left)
17	46-1001-5-016	Spring Guide Assembly
18	46-1001-5-416	Spacer
19	46-1001-5-423	Spring(Right)
20	46-1001-5-422	Spring Sleeve
21	46-1000-9-959	Screw(M4-0.7 $\times$ 20)
22	46-1000-9-811	Screw(M2.5-0.45 $\times$ 16)
23	46-1001-5-419	Thread Eyelet
24	46-1000-9-995	Screw(M3-0.5 $\times$ 5)
25	46-1001-5-425	Release Pin
26	46-1000-9-804	Tension Post
27	46-1008-0-232	Tension Disc
28	46-1008-0-705	Spring Washer
29	46-1008-5-276	Tension Spring (Thick)
30	46-1002-0-126	Tension Spring Bushing
31	46-1000-0-182	Adjusting Nut
32	46-1000-0-039	Stop Pin
33	46-1009-3-535	Thread Guide
34	46-1003-7-108	Tension Disc
35	46-1009-3-514	Tension Spring (Thin)
36	46-1000-1-092	Screw(1/8-44 $\times$ 3)
37	46-1001-5-015	Release Spring
38	46-1001-5-014	Release Plate
39	46-1000-8-224	Stud Screw(3.57)
40	.....	.....

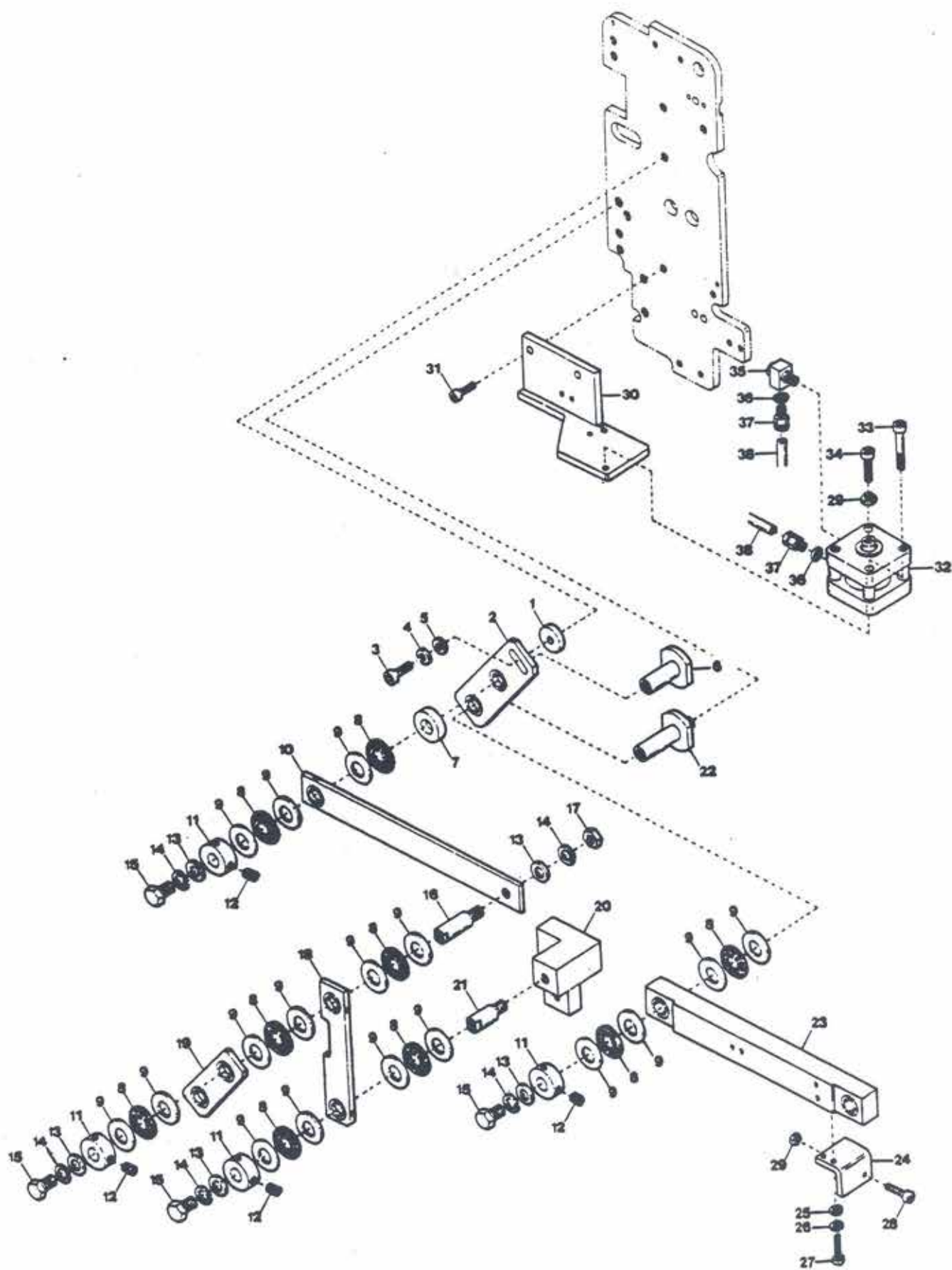
Det. No	Parts. No	Description
41	.....	.....
42	46-1001-5-427	Magnet Ring Unit
43	46-1000-7-609	Screw(9/64-40 $\times$ 9)
44	46-1000-9-209	Screw(11/64-40 $\times$ 9)
45	.....	.....
46	48-1120-0-073	Position Detector Unit
47	46-1125-5-164	Spacer
48	46-1000-0-644	Spring Washer
49	46-1000-9-914	Screw(M4-0.7 $\times$ 40)



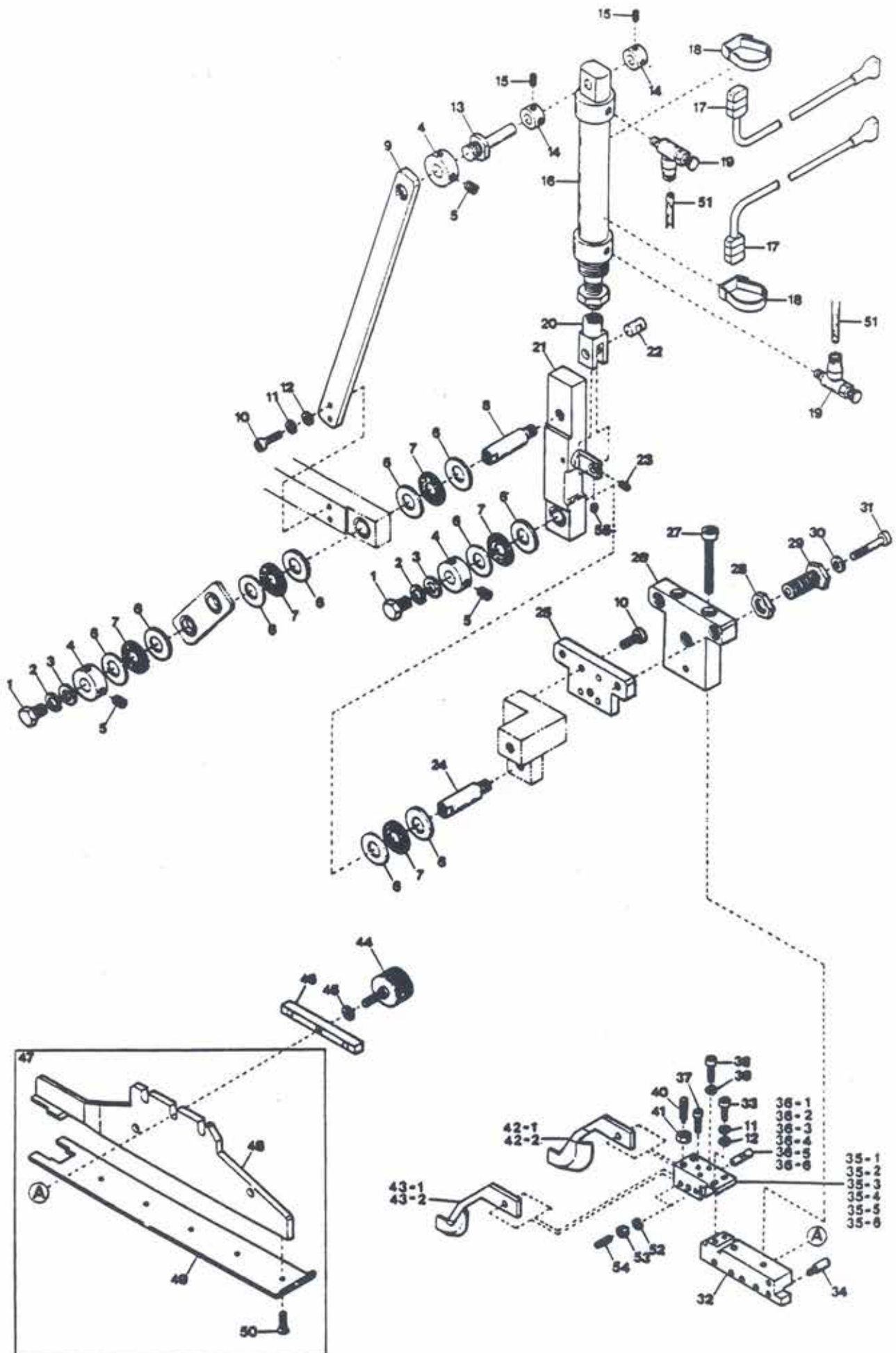
Det. No	Parts. No	Description
1	48-1125-5-627	Bobbin Thread Monitor, Complete
2	46-1125-5-168	Rotary Hook Base (Left)
3	46-1125-5-149	Holder (Left) Unit
4	46-1000-9-749	Screw (M4-0.7×16)
5	46-1000-0-644	Spring Washer
6	46-1000-0-538	Washer
7	46-1125-5-155	Sensing Bar Connection (Left)
8	46-1016-0-001	Screw (M4-0.7×4)
9	46-1125-5-158	Sensing Bar
10	46-1125-5-157	Sensing Bar Guide (Left)
11	46-1125-5-156	Sensing Bar Guide (Right)
12	46-1000-9-746	Screw (M4-0.7×8)
13	46-1125-5-169	Rotary Hook Base (Right)
14	46-1000-0-663	Washer
15	46-1000-6-197	Screw (1/4-24×22)
16	48-1125-5-148	Holder (Right) Unit
17	46-1125-5-323	Sensing Bar Connection (Right)
18	46-1000-0-015	Nut
19	46-1000-0-665	Washer
20	46-1000-9-748	Screw (M4-0.7×12)
21	46-1125-5-153	Cylinder Support (Right)
22	46-1109-1-017	Cylinder (RMS10-ND-20)
23	48-1109-5-001	Speed Controller
24 *	46-1001-0-260	Air Tubing (4×2.5mm)
25	48-1120-0-075	Signal Cord
26	48-1106-6-065	Sensing Switch
27	48-1109-8-008	Band
28	46-1000-6-195	Screw (15/64-28×31)
		* Specify Length.



Det. No	Parts. No	Description
1	48-1125-5-370	Sub-Head Cover
2	46-1000-9-749	Screw(M4-0.7×16)
3	46-1000-0-644	Spring Washer
4	46-1000-0-665	Washer
5	48-1125-5-219	Head Cover Fixing Metal
6	46-1000-9-995	Screw(M3-0.5×5)
7	48-1125-5-530	Detector Switch Unit
8	46-1000-9-994	Screw(M3-0.5×8)
9	48-1125-5-213	Hinge
10	46-1000-9-970	Screw(M6-1×20)
11	48-1125-5-216	Hinge Pin
12	46-1000-6-212	Screw(M5-0.8×6)
13	48-1125-5-528	Magnet Holder Unit
14	46-1125-5-372	Head Cover
15	48-1125-5-214	Head Cover Hinge
16	46-1000-6-210	Screw(M6-1×12)
17	46-1000-0-011	Nut
18	48-1125-5-218	Fixing Plate
19	46-1000-9-747	Screw(M4-0.7×10)
20	46-1001-0-720	Cord Clamp(φ15.2-9N)
21	48-1125-5-624	Fixing Metal Bracket
22	48-1125-5-625	Fixing Metal
23	48-1000-9-903	Screw(M3-0.5×6)
24	46-1001-4-534	Patch Guide Cam Arm
25	46-1000-9-980	Screw(M6-1×10)
26	48-1125-5-281	Block
27	46-1000-9-977	Screw(M6-1×25)
28	46-1000-0-667	Spring Washer
29	46-1000-0-663	Washer
30	48-1125-5-356	Adjusting Plate(1)
31	46-1000-9-935	Screw(M5-0.8×20)
32	46-1000-0-600	Spring Washer
33	46-1000-0-669	Washer

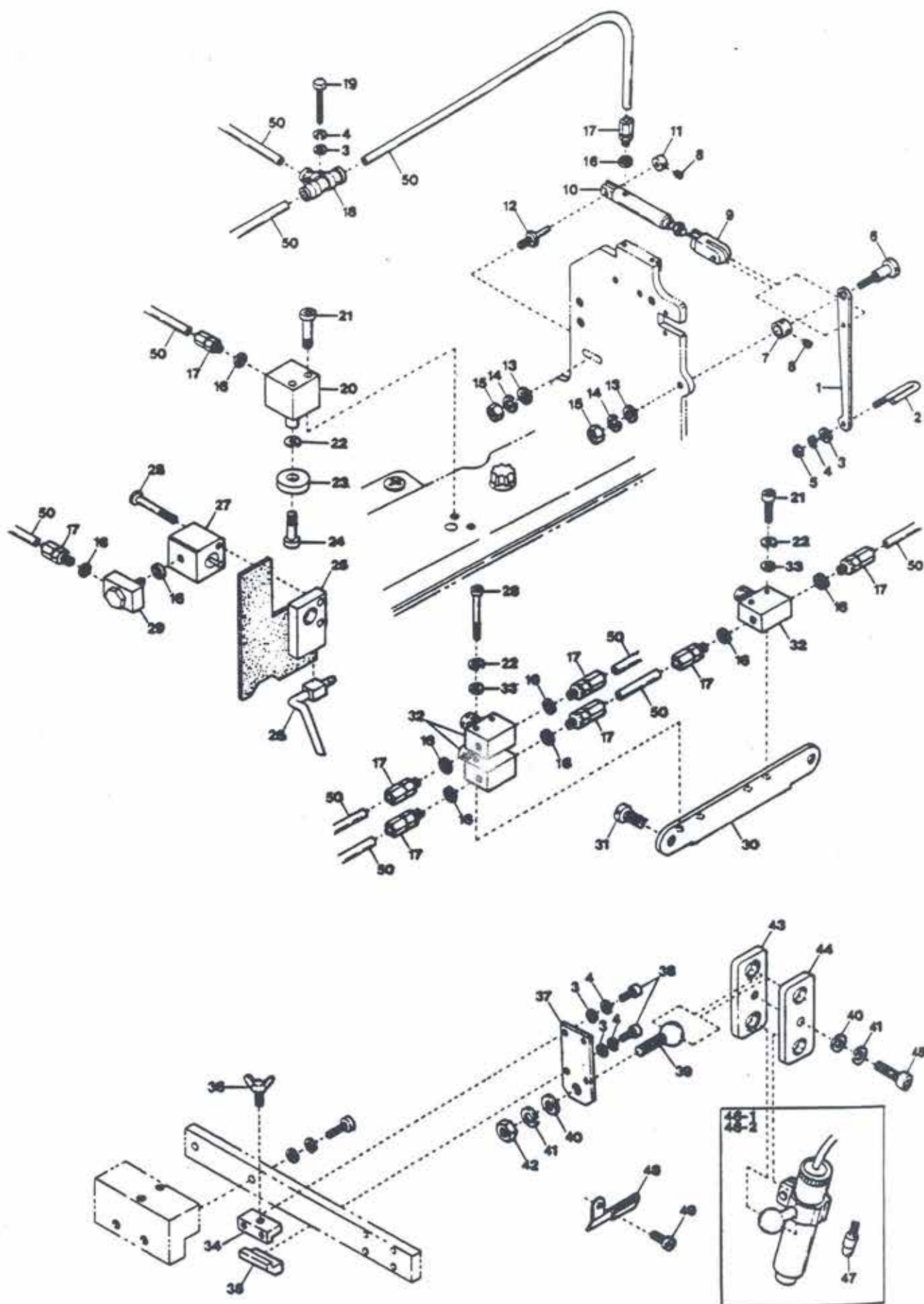


Det. No	Parts. No	Description
1	48-1125-5-230	Spacer(Small)
2	48-1125-5-228	Adjusting Lever
3	48-1012-0-011	Screw(M6-1×18)
4	46-1000-0-667	Spring Washer
5	46-1000-0-663	Washer
6	48-1125-5-245	Lever Pin(5)
7	48-1125-5-231	Spacer(Large)
8	46-1001-4-571	Thrust Bearing
9	46-1001-4-572	Spacer
10	48-1125-5-232	Moving Link(Upper)
11	46-1007-7-286	Collar
12	46-1000-3-635	Screw(1/4-40×6)
13	46-1000-0-666	Washer
14	46-1000-0-676	Spring Washer
15	46-1000-9-777	Screw(M8-1.25×14)
16	48-1125-5-242	Lever Pin(2)
17	46-1000-0-145	Nut
18	48-1125-5-234	Moving Lever Link
19	48-1125-5-236	Patch Guide Link
20	48-1125-5-224	Connecting Lever
21	48-1125-5-241	Lever Pin(1)
22	48-1125-5-246	Lever Pin(6)
23	48-1125-5-220	Patch Guide Moving Lever
24	48-1125-5-796	Patch Guide Stop
25	46-1000-0-665	Washer
26	46-1000-0-644	Spring Washer
27	46-1000-9-748	Screw(M4-0.7×12)
28	46-1000-9-976	Screw(M6-1×15)
29	46-1000-0-011	Lock Nut
30	48-1125-5-829	Cylinder Support
31	46-1000-9-751	Screw(M5-0.8×10)
32	48-1109-1-019	Cylinder(SPD-32×15)
33	46-1000-9-754	Screw(M6-1×35)
34	46-1000-9-970	Screw(M6-1×20)
35	46-1001-0-019	L-Connector
36	46-1000-0-623	Gasket
37	46-1001-0-258	Connector
38 *	46-1001-0-260	Air Tubing(4×2.5mm)
		* Specify Length.



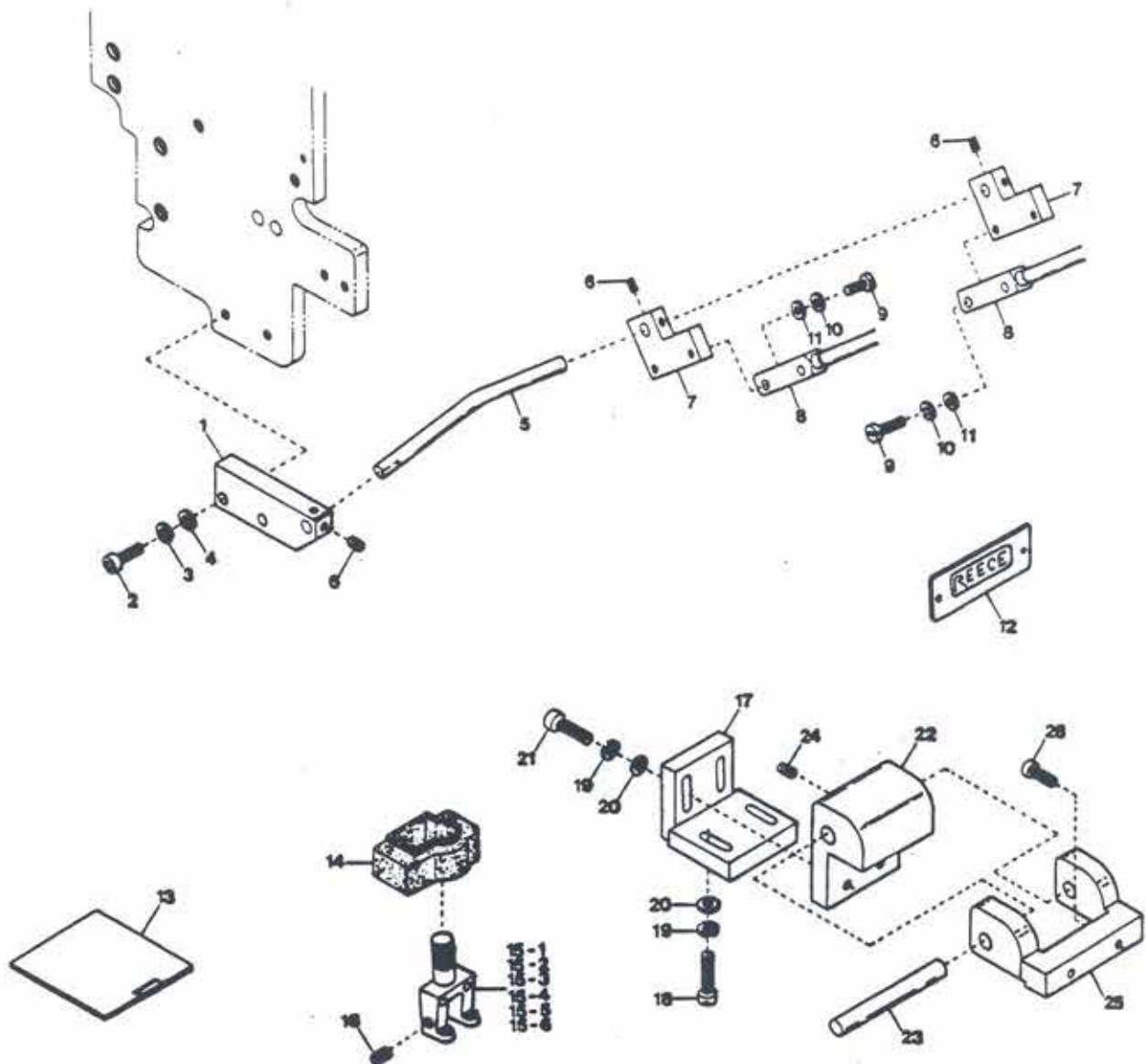
Det. No	Parts. No	Description
1	46-1000-9-777	Screw(M8-1.25×14)
2	46-1000-0-676	Spring Washer
3	46-1000-0-666	Washer
4	46-1007-7-286	Collar
5	46-1000-3-635	Screw(1/4-40×6)
6	46-1001-4-572	Spacer
7	46-1001-4-571	Thrust Bearing
8	48-1125-5-244	Lever Pin(4)
9	48-1125-5-239	Fix Lever
10	48-1012-0-001	Screw(M4-0.7×14)
11	46-1000-0-644	Spring Washer
12	46-1000-0-665	Washer
13	46-1001-4-523	Cylinder Pin
14	46-1007-7-296	Collar
15	46-1000-7-650	Screw(11/64-40×5)
16	48-1109-1-020	Cylinder (REMD 25×75)
17	48-1106-6-013	Sensing Switch
18	46-1001-0-300	Band
19	46-1001-0-254	Speed Control
20	48-1125-5-247	Y-Knuckle
21	48-1125-5-222	Connecting Lever
22	48-1125-5-248	Cylinder Pin
23	46-1016-0-000	Screw(M3-0.5×3)
24	48-1125-5-243	Lever Pin(3)
25	48-1125-5-225	Block(Left)
26	48-1125-5-226	Block(Right)
27	46-1000-6-225	Screw(M6-1×65)
28	46-1000-6-185	Nut
29	48-1019-0-042	Screw(M12-1×27)
30	46-1000-0-663	Washer

Det. No	Parts. No	Description
31	46-1000-9-754	Screw(M6-1×35)
32	46-1125-5-103	Mount Block
33	46-1000-9-748	Screw(M4-0.7×12)
34	46-1018-0-013	Screw Pin (M5-0.8×20)
35-1	46-1001-4-537	Block(10mm)
35-2	46-1001-4-538	" (12mm)
35-3	46-1001-5-202	" (14mm)
35-4	46-1001-5-293	" (16mm)
35-5	46-1001-5-294	" (18mm)
35-6	46-1001-5-295	" (20mm)
36-1	46-1001-4-521	Shaft(10mm)
36-2	46-1001-4-522	" (12mm)
36-3	46-1001-5-200	" (14mm)
36-4	46-1001-5-296	" (16mm)
36-5	46-1001-5-297	" (18mm)
36-6	46-1001-5-298	" (20mm)
37	46-1000-9-745	Screw(M3-0.5×15)
38	46-1000-9-744	Screw(M3-0.5×10)
39	46-1000-0-012	Nut
40	46-1001-4-535	Spring Plunger
41	46-1000-0-009	Nut
42-1	48-1125-5-855	Jumping Guide(Right) (10mm)
42-2	48-1125-5-723	" " (12~20mm)
43-1	48-1125-5-856	Jumping Guide(Left) (10mm)
43-2	48-1125-5-724	" " (12~20mm)
44	46-1125-5-112	Fixing Knob
45	46-1000-0-669	Washer
46	46-1125-5-113	Fixing Plate
47	-----	Patch Guide, C. (See Page 49)
48	-----	Patch Guide(Upper) (See Page 49)
49	-----	Patch Guide(Lower) (See Page 49)
50	46-1000-9-734	Screw(M2-0.4×6)
51 *	46-1001-0-260	Air Tubing
52	46-1000-0-002	Spring Washer
53	48-1000-0-488	Nut
54	48-1015-0-003	Screw(M3-0.5×6)
55	48-1000-3-657	Screw(M4-0.7×3)
		* Specify Length.

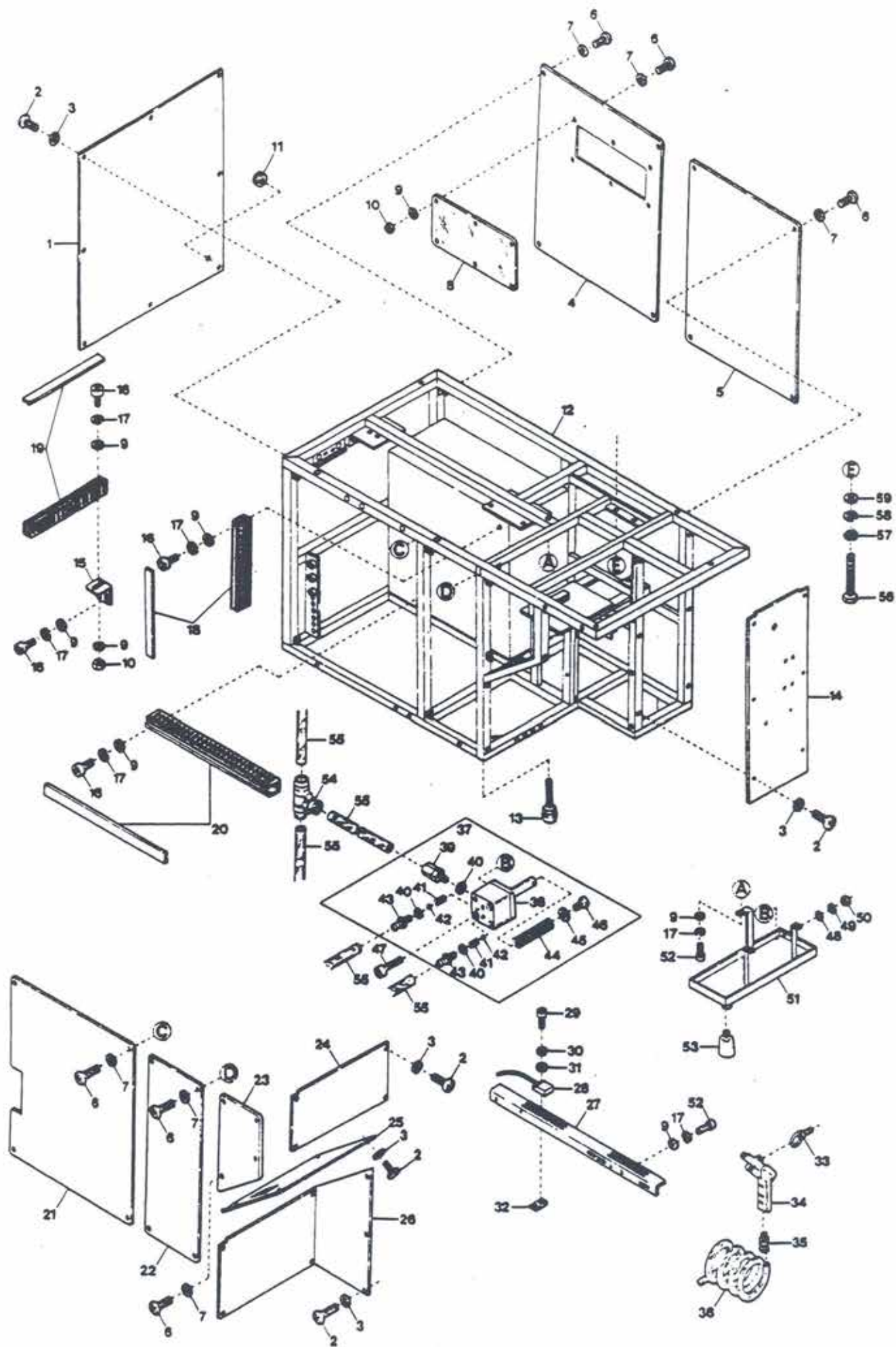


Det. No	Parts. No	Description
1	46-1001-4-566	Wiper Lever
2	46-1001-4-525	Wiping Bar
3	46-1000-0-665	Washer
4	46-1000-0-644	Spring Washer
5	46-1000-0-015	Nut
6	46-1000-6-192	Screw(M5-0.8×11)
7	46-1009-4-562	Collar
8	46-1000-3-637	Screw(1/8-44×2.5)
9	46-1001-0-283	Y-Knuckle(3mm)
10	46-1001-0-249	Cylinder(MS10PFS10)
11	46-1008-0-714	Collar
12	46-1001-4-539	Wiper Lever Pin
13	46-1000-0-669	Washer
14	46-1000-0-600	Spring Washer
15	46-1000-0-009	Nut
16	46-1000-0-623	Gasket
17	46-1001-0-258	Connector
18	46-1001-0-271	T-Connector
19	48-1000-1-132	Screw(9/64-40×14.7)
20	46-1001-0-248	Cylinder(SPS-12×5)
21	46-1000-9-801	Screw(M3-0.5×20)
22	46-1000-0-002	Spring Washer
23	48-1125-5-836	Oil Wick Press
24	46-1000-9-797	Screw(11/128-56×3.2)
25	46-1001-4-971	Cylinder Holder
26	46-1001-5-443	Oil Return Pipe
27	46-1001-0-246	Cylinder(SPS-12×5)
28	46-1000-9-768	Screw(M3-0.5×30)
29	46-1001-0-019	L-Connector
30	46-1001-4-430	Support
31	46-1000-4-642	Screw(1/4-24×12)
32	46-1001-0-054	Speed Control
33	46-1000-0-014	Washer
34	46-1001-4-531	Block(Upper)
35	46-1001-4-532	Block(Lower)
36	46-1000-9-911	Screw(M5-0.8×8)
37	46-1001-4-528	Support
38	46-1000-9-747	Screw(M4-0.7×10)
39	46-1000-6-187	Ball Screw (M8-1.25×23)
40	46-1000-0-666	Washer

Det. No	Parts. No	Description
41	46-1000-0-676	Spring Washer
42	46-1000-0-016	Nut
43	46-1001-4-224	Lamp Holder(Left)
44	46-1001-4-225	Lamp Holder(Right)
45	46-1000-9-758	Screw(M8-1.25×30)
46-1	48-1120-0-063	Work Locating Lamp, C. (H Type)
46-2	48-1120-0-064	Work Locating Lamp, C. (- Type)
47	48-1120-0-083	Work Locating Lamp
48	46-1001-4-413	Needle Thread Eyelet
49	46-1000-5-000	Screw(9/64-40×5.7)
50 *	46-1001-0-260	Air Tubing
		* Specify Length.



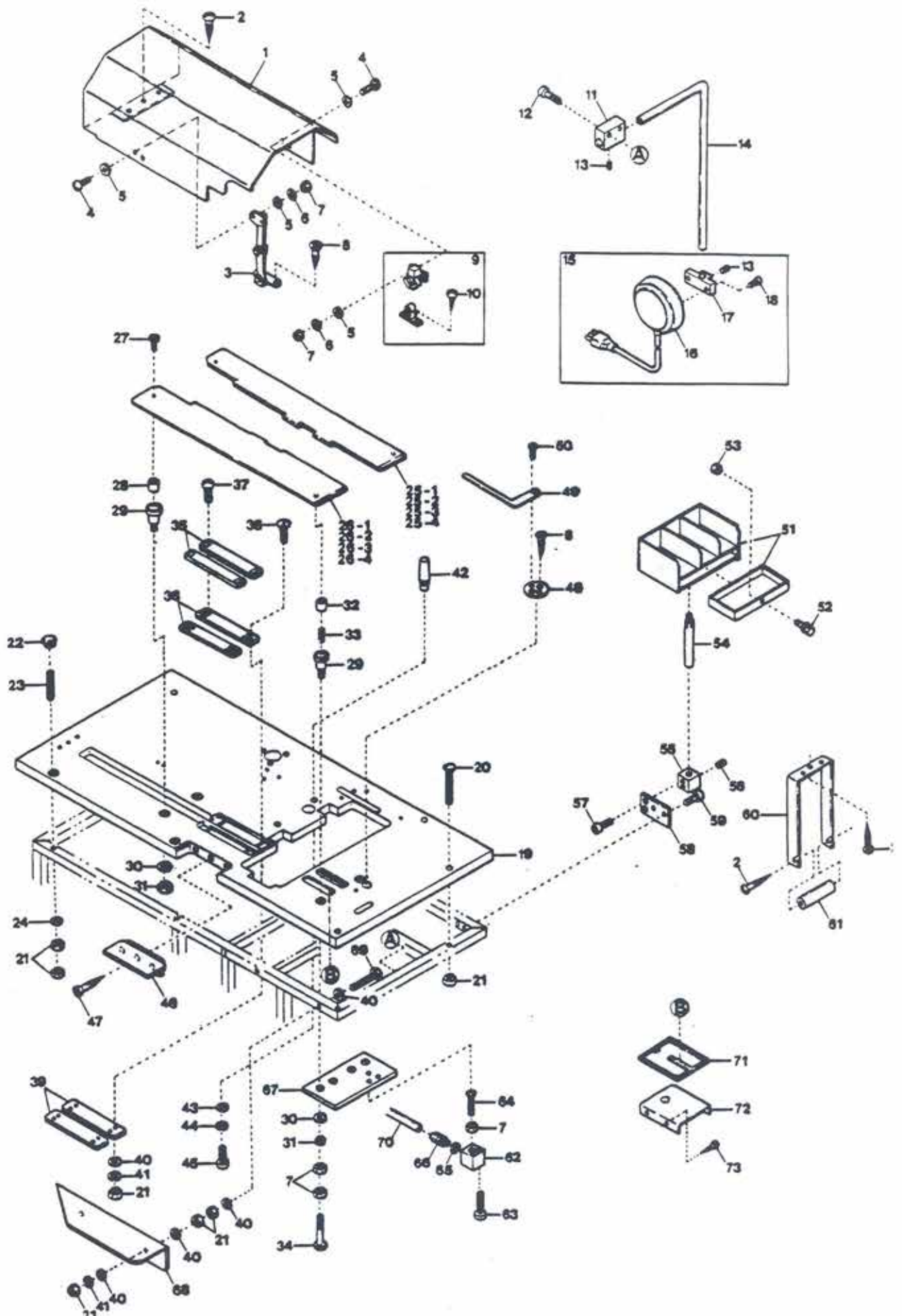
Det. No	Parts. No	Description
1	48-1125-5-861	Shaft Holder
2	48-1012-0-001	Screw(M4-0.7×14)
3	46-1000-0-644	Spring Washer
4	46-1000-0-665	Washer
5	48-1125-5-862	Shaft
6	46-1016-0-000	Screw(M3-0.5×3)
7	48-1125-5-838	Holder
8	48-1106-6-026	Optics Sensor
9	46-1000-9-745	Screw(M3-0.5×15)
10	46-1000-0-002	Spring Washer
11	46-1000-0-014	Washer
12	46-1001-4-409	Name Plate
13	46-1001-4-408	Slide Plate
14	48-1125-5-524	Cover(Rubber)
15-1	48-1900-0-001	Needle Head(10mm)
15-2	48-1900-0-002	" (12mm)
15-3	48-1900-0-003	" (14mm)
15-4	48-1900-0-004	" (16mm)
15-5	48-1900-0-005	" (18mm)
15-6	48-1900-0-006	" (20mm)
16	48-1026-0-004	Screw(1/8-40×2.5)
17	46-1001-4-425	Hinge(Lower)
18	46-1000-9-977	Screw(M6-1×25)
19	46-1000-0-667	Spring Washer
20	46-1000-0-663	Washer
21	46-1000-9-970	Screw(M6-1×20)
22	46-1001-4-424	Hinge(Middle)
23	46-1001-4-411	Hinge Shaft
24	46-1000-9-736	Screw(M4-0.7×6)
25	46-1001-4-423	Hinge(Upper)
26	46-1000-5-061	Screw(1/4-24×16.7)



Det. No	Parts. No	Description
1	46-1001-4-728	Frame Cover(3)
2	46-1000-9-774	Screw(M4-0.7×9.7)
3	46-1000-0-670	Washer
4	48-1125-5-502	Frame Cover(4)
5	48-1125-5-503	Frame Cover(5)
6	48-1000-5-612	Screw(M6-1×12)
7	46-1000-0-663	Washer
8	46-1001-4-584	Sight Window
9	46-1000-0-665	Washer
10	46-1000-0-015	Nut
11	46-1001-0-958	Cord Bushing
12	48-1125-5-852	Frame
13	46-1001-5-228	Adjustable Foot
14	48-1125-5-486	Control Box Cover
15	48-1125-5-854	Cord Duct Support
16	46-1000-9-974	Screw(M4-0.7×8)
17	46-1000-0-644	Spring Washer
18	48-1125-5-618	Cord Duct(300mm)
19	48-1125-5-619	Cord Duct(320mm)
20	48-1125-5-620	Cord Duct(550mm)
21	48-1125-5-500	Frame Cover(2)
22	48-1125-5-499	Frame Cover(1)
23	46-1125-5-078	Frame Cover(9)
24	48-1125-5-523	Frame Cover(6)
25	46-1001-4-924	Frame Cover(7)
26	46-1001-4-925	Frame Cover(8)
27	48-1125-5-445	Sensing Switch Rail
28	48-1106-6-014	Sensing Switch
29	46-1000-9-745	Screw(M3-0.5×15)
30	46-1000-0-002	Spring Washer
31	46-1000-0-014	Washer
32	46-1001-4-780	Nut Plate
33	46-1000-6-226	Eye Bolt(M6-1×14)
34	46-1001-5-475	Air Gun
35	46-1001-0-264	Connector(φ6-1/4)
36	46-1001-0-256	Spiral Tube(6×4mm)
37	46-1001-5-220	Oil Return Pump, C.
38	46-1001-0-304	Cylinder(SPD20×10)
39	46-1001-0-258	Connector
40	46-1000-0-623	Gasket

Det. No	Parts. No	Description
41	46-1003-6-104	Spring
42	46-1001-5-221	Steel Ball
43	46-1001-0-018	Connector
44	46-1001-4-977	Pump Cylinder Spring
45	46-1000-0-555	Washer
46	46-1000-9-751	Screw(M5-0.8×10)
47	46-1000-6-229	Screw(M5-0.8×40)
48	46-1000-0-426	Washer
49	46-1000-0-600	Spring Washer
50	46-1000-0-009	Nut
51	46-1001-4-770	Oil Pan
52	46-1000-9-747	Screw(M4-0.7×10)
53	46-1001-4-656	Oil Retainer
54	46-1001-0-271	T-Connector
55 *	46-1001-0-260	Air Tubing(4×2.5mm)
56	46-1000-6-232	Bolt(M8-1.25×80)
57	46-1000-0-016	Nut
58	46-1000-0-676	Spring Washer
59	46-1000-0-666	Washer

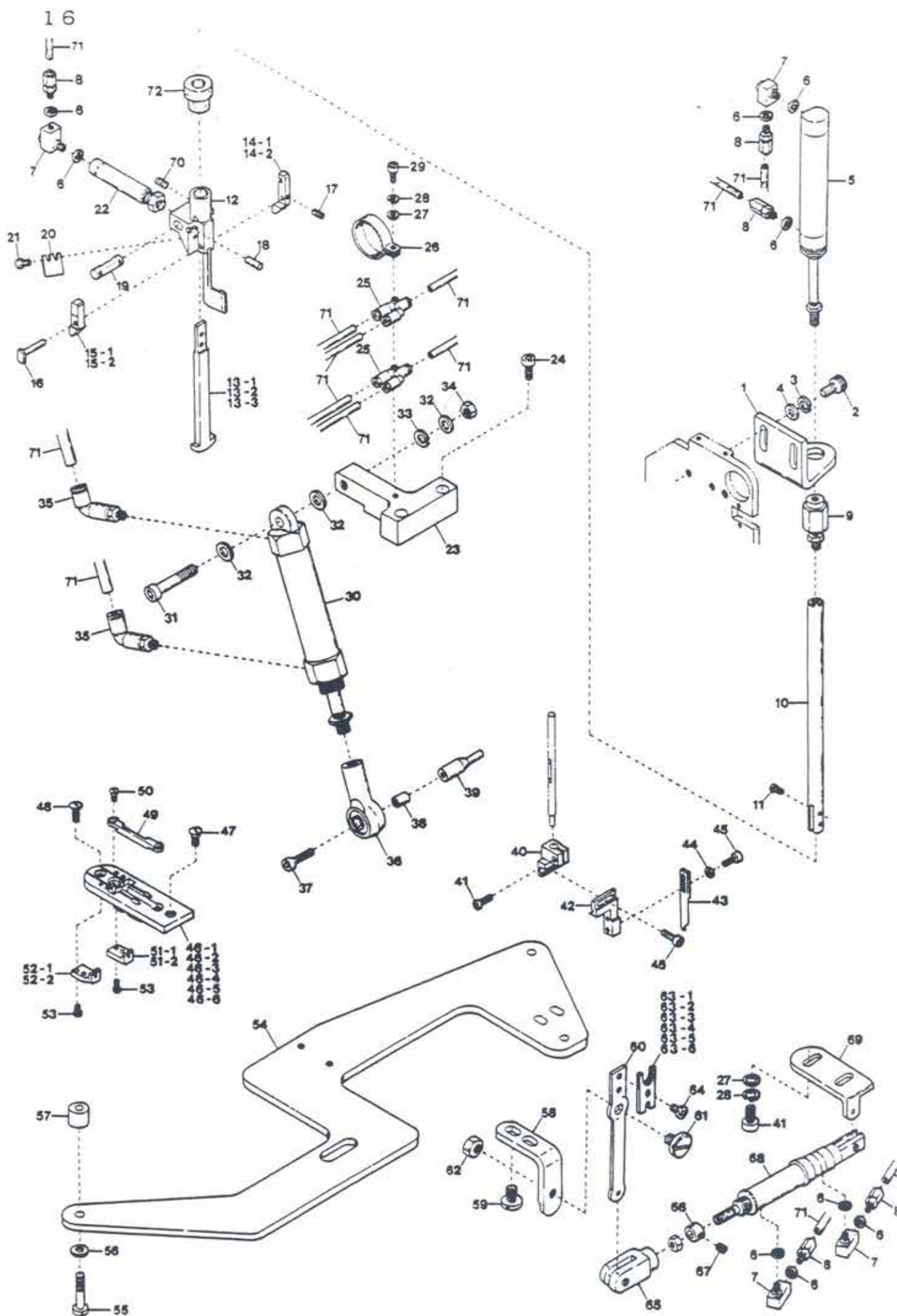
* Specify Length.



Det. No	Parts. No	Description
1	46-1001-4-512	Mechanism Cover
2	46-1000-6-905	Wood Screw($\phi 5.1 \times 20$)
3	46-1001-4-655	Cover Stay
4	46-1000-9-994	Screw(M3-0.5 $\times$ 8)
5	46-1000-0-014	Washer
6	46-1000-0-002	Spring Washer
7	46-1000-0-012	Nut
8	46-1000-9-814	Wood Screw($\phi 3.1 \times 20$)
9	46-1001-4-720	Cover Latch
10	46-1000-6-203	Wood Screw($\phi 2.4 \times 16$)
11	46-1001-4-738	Knee Switch Holder
12	46-1000-6-205	Screw(M5-0.8 $\times$ 30)
13	46-1000-3-662	Screw(M6-1 $\times$ 6)
14	46-1001-4-747	Mount Shaft
15	48-1120-0-074	Knee Switch, C.
16	48-1120-0-072	Knee Switch
17	46-1001-4-737	Knee Switch Support
18	46-1000-9-749	Screw(M4-0.7 $\times$ 16)
19	48-1960-1-005	Table Top
20	46-1000-6-196	Bolt(M8-1.25 $\times$ 57)
21	46-1000-0-016	Nut
22	46-1000-0-070	Nut
23	46-1000-9-858	Bolt(M8-1.25 $\times$ 75)
24	46-1000-0-429	Washer
25-1	48-1125-5-931	Slide Plate(Right) (10, 12, 14mm)
25-2	48-1125-5-933	" (16mm)
25-3	48-1125-5-935	" (18mm)
25-4	48-1125-5-937	" (20mm)
26-1	48-1125-5-930	Slide Plate(Left) (10, 12, 14mm)
26-2	48-1125-5-932	" (16mm)
26-3	48-1125-5-934	" (18mm)
26-4	48-1125-5-936	" (20mm)
27	46-1000-9-770	Screw(M4-0.7 $\times$ 8)
28	46-1001-4-032	Holding Pin
29	46-1001-5-222	Slide Plate Holder
30	46-1000-0-433	Washer
31	46-1000-0-421	Nut
32	46-1001-5-223	Stop Pin
33	46-1001-4-056	Spring
34	46-1000-6-223	Screw(M3-0.5 $\times$ 55)
35	48-1125-5-505	Plate
36	48-1125-5-506	Support Plate
37	46-1000-9-954	Screw(M6-1 $\times$ 8)
38	46-1000-9-807	Screw(M8-1.25 $\times$ 40)
39	48-1125-5-507	Nut Plate
40	46-1000-0-666	Washer

Det. No	Parts. No	Description
41	46-1000-0-676	Spring Washer
42	48-1125-5-565	Machine Stay
43	48-1000-0-605	Washer
44	46-1000-0-667	Spring Washer
45	46-1000-9-970	Screw(M6-1 $\times$ 20)
46	46-1001-4-659	Plate
47	46-1000-6-209	Wood Screw ($\phi 3.5 \times 21.5$)
48	46-1001-4-661	Plate
49	46-1001-4-675	Stay Holder
50	46-1000-6-227	Screw(M4-0.7 $\times$ 5)
51	46-1001-4-680	Tray
52	46-1000-6-444	Knob
53	46-1000-0-332	Nut
54	46-1001-4-302	Mount Shaft
55	46-1001-4-300	Shaft Holder
56	46-1000-9-740	Screw(M6-1 $\times$ 10)
57	46-1000-9-747	Screw(M4-0.7 $\times$ 10)
58	46-1001-4-301	Support
59	46-1000-9-755	Screw(M6-1 $\times$ 45)
60	46-1001-4-718	Roller Bracket
61	46-1001-4-717	Roller
62	46-1001-0-248	Cylinder(SPS-12 $\times$ 5)
63	46-1000-9-801	Screw(M3-0.5 $\times$ 20)
64	46-1000-9-793	Screw(M3-0.5 $\times$ 35)
65	46-1000-0-623	Gasket
66	46-1001-0-258	Connector
67	48-1125-6-113	Cylinder Holder
68	48-1125-5-885	Extension Plate
69	46-1000-6-232	Bolt(M8-1.25 $\times$ 80)
70 *	46-1001-0-260	Air Tubing(4 $\times$ 2.5mm)
71	48-1125-5-983	Shield Rubber
72	48-1125-5-982	Suction Plate(Lower)
73	46-1000-6-905	Wood Screw($\phi 5.1 \times 20$)

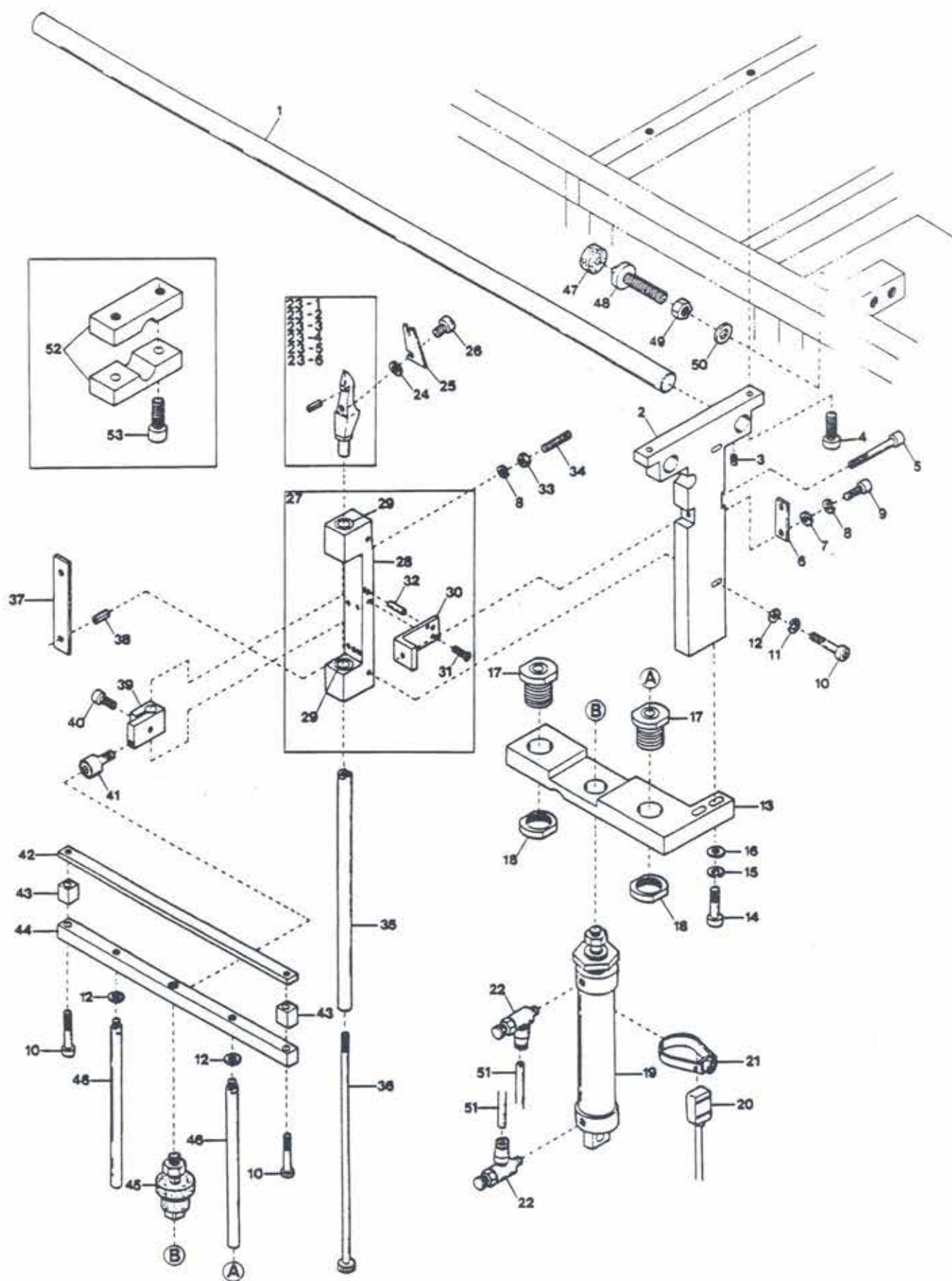
* Specify Length.



Det. No	Parts. No	Description
1	46-1001-4-481	Cylinder Support
2	46-1000-9-752	Screw(M5-0.8×10)
3	46-1000-0-600	Spring Washer
4	46-1000-0-669	Washer
5	46-1001-0-241	Cylinder(MS16ND-40P)
6	46-1000-0-623	Gasket
7	46-1001-0-019	L-Connector
8	46-1001-0-258	Connector
9	46-1001-4-840	Universal Joint
10	46-1001-4-482	Shaft
11	46-1000-6-178	Screw(1/8-44×4.8)
12	48-1125-5-718	Mount Block
13-1	46-1001-4-483	Pick-up(10, 12, 14mm)
13-2	46-1001-5-302	" (16, 18mm)
13-3	46-1125-5-696	" (20mm)
14-1	48-1125-5-430	Thread Holder(Right) (10, 12, 14mm)
14-2	48-1125-5-600	" (Right) (16, 18, 20mm)
15-1	48-1125-5-431	Thread Holder(Left) (10, 12, 14mm)
15-2	48-1125-5-601	" (Left) (16, 18, 20mm)
16	48-1125-5-432	Pin
17	46-1016-0-000	Screw(M3-0.5×3)
18	46-1001-4-577	Press Pin
19	46-1001-4-573	Thread Holder Pin
20	46-1001-4-244	Trim Blade
21	46-1000-1-222	Screw(1/8-44×4.8)
22	46-1109-1-060	Cylinder(MS6-NFS-5)
23	48-1125-5-715	Cylinder Support
24	46-1000-9-976	Screw(M6-1×15)
25	46-1001-0-337	Union Y-Connector
26	46-1001-0-722	Cord Clamp (φ 22.9-14N)
27	46-1000-0-665	Washer
28	46-1000-0-644	Spring Washer
29	46-1000-9-750	Screw(M4-0.7×20)
30	48-1109-1-038	Cylinder(M20-PD10)
31	46-1000-6-220	Screw(M8-1.25×40)
32	46-1000-0-666	Washer
33	46-1000-0-676	Spring Washer
34	46-1000-0-016	Nut
35	46-1001-0-057	Elbow Connector (φ 4-1/8)
36	46-1001-4-402	Rod End
37	46-1000-9-970	Screw(M6-1×20)
38	48-1125-5-717	Spacer
39	48-1125-5-716	Moving Lever
40	48-1125-5-435	Adjusting Block

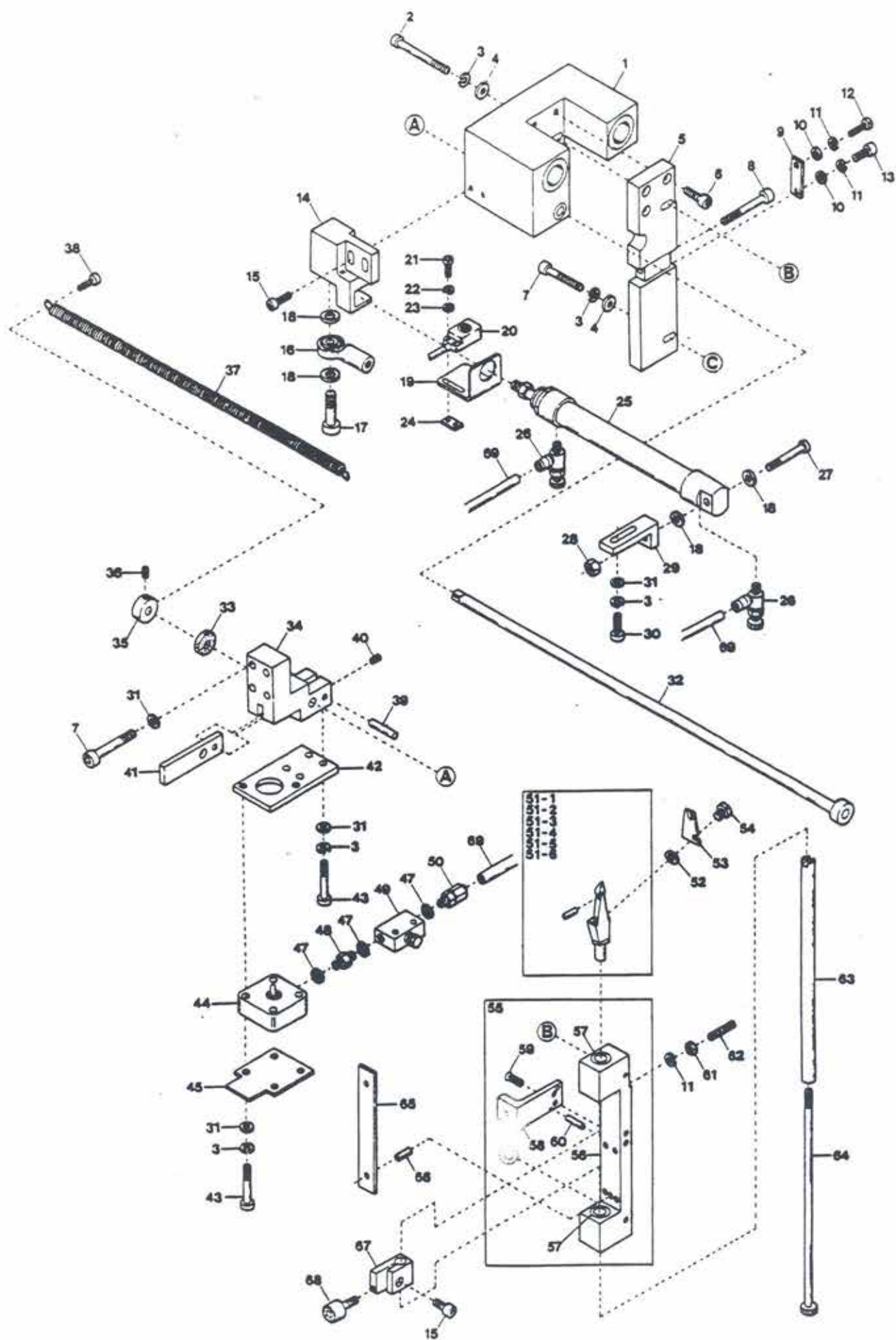
Det. No	Parts. No	Description
41	46-1000-9-746	Screw(M4-0.7×8)
42	48-1125-5-722	Center Knife Holder
43	48-1125-5-721	Center Knife
44	46-1000-0-014	Washer
45	48-1011-0-002	Screw(M3-0.5×5)
46-1	46-1001-4-426	Throat Plate(10mm)
46-2	46-1001-4-427	" (12mm)
46-3	46-1001-4-489	" (14mm)
46-4	46-1001-5-254	" (16mm)
46-5	46-1001-5-255	" (18mm)
46-6	46-1001-5-256	" (20mm)
47	46-1000-9-127	Screw(11/64-40×8)
48	46-1000-9-142	Screw(9/64-40×4.8)
49	48-1125-5-594	Lower Knife
50	46-1000-1-613	Screw(3/32-56×3.1)
51-1	46-1001-4-505	Fixed Knife(Right) (10, 14, 16, 18, 20mm)
51-2	46-1001-4-507	Fixed Knife(Right) (12mm)
52-1	46-1001-4-506	Fixed Knife(Left) (10, 14, 16, 18, 20mm)
52-2	46-1001-4-508	Fixed Knife(Left) (12mm)
53	46-1000-4-404	Screw(3/32-56×5.1)
54	48-1125-5-433	Cylinder Support
55	46-1000-5-121	Screw(11/64-40×28)
56	46-1000-0-538	Washer
57	48-1125-5-434	Spacer
58	46-1001-4-501	Support Plate
59	46-1000-7-678	Screw(1/4-40×8)
60	46-1125-5-166	Knife Holder
61	46-1000-6-198	Screw(1/4-40×7.5)
62	46-1000-0-419	Nut
63-1	46-1001-4-503	Knife(10mm)
63-2	46-1001-4-504	" (12mm)
63-3	46-1001-5-201	" (14mm)
63-4	46-1001-5-299	" (16mm)
63-5	46-1001-5-300	" (18mm)
63-6	46-1001-5-301	" (20mm)
64	46-1000-4-358	Screw(9/64-40×5.6)
65	46-1001-0-283	Y-Knuckle(3mm)
66	46-1001-4-502	Collar
67	46-1016-0-001	Screw(M4-0.7×4)
68	46-1001-0-242	Cylinder(MS10-PD10)
69	46-1001-4-510	Cylinder Support
70	46-1000-9-200	Screw(15/64-28×9.5)
71 *	46-1001-0-260	Air Tubing(4×2.5mm)
72	46-1001-4-579	Shaft Cover(Rubber)

* Specify Length.



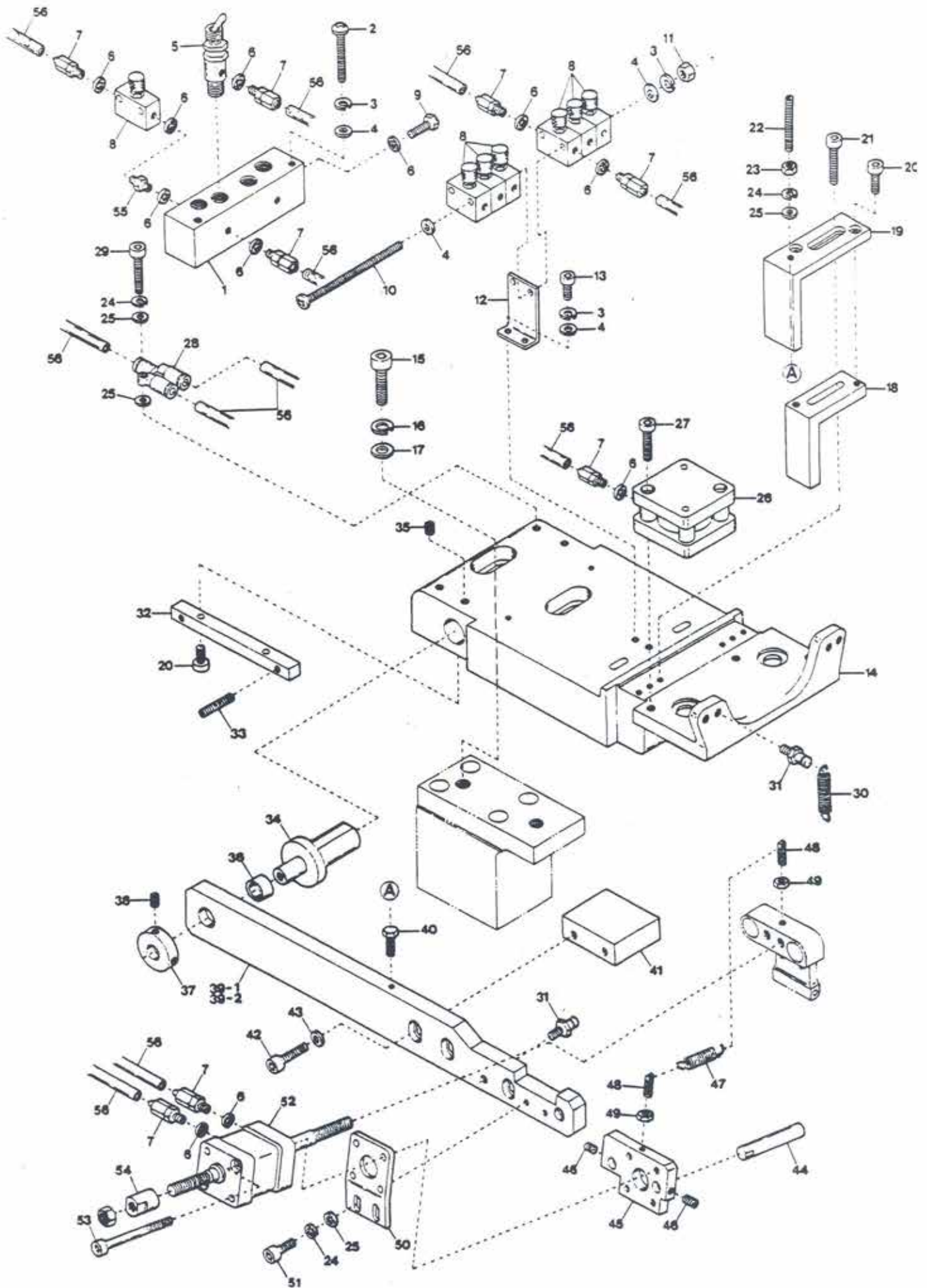
Det. No	Parts. No	Description
1	48-1125-5-421	Slide Shaft
2	48-1125-5-420	Shaft Holder(Front)
3	46-1000-9-740	Screw(M6-1×10)
4	46-1000-9-936	Screw(M8-1.25×20)
5	46-1000-6-176	Screw(M6-1×50)
6	46-1001-4-129	Plate
7	46-1000-0-665	Washer
8	46-1000-0-644	Spring Washer
9	46-1000-9-747	Screw(M4-0.7×10)
10	46-1000-9-754	Screw(M6-1×35)
11	46-1000-0-667	Spring Washer
12	46-1000-0-663	Washer
13	46-1001-4-711	Cylinder Holder
14	46-1000-9-940	Screw(M8-1.25×35)
15	46-1000-0-676	Spring Washer
16	46-1000-0-666	Washer
17	46-1001-4-899	Guide Bushing
18	46-1001-4-709	Nut
19	48-1109-1-020	Cylinder(REMD25×75)
20	48-1106-6-012	Sensing Switch
21	46-1001-0-300	Band
22	46-1001-0-254	Speed Control
23-1	48-1125-5-390	Tab Finger(10mm)
23-2	48-1125-5-391	" (12mm)
23-3	48-1125-5-392	" (14mm)
23-4	48-1125-5-393	" (16mm)
23-5	48-1125-5-394	" (18mm)
23-6	48-1125-5-395	" (20mm)
24	46-1000-0-209	Washer
25	46-1125-5-303	Tab Knife
26	46-1000-9-797	Screw(11/128-56×3.2)
27	46-1001-5-237	Tab Finger Holder (Front), Complete
28	46-1001-5-246	Tab Finger Holder
29	46-1001-4-707	Bearing
30	46-1001-4-130	Adjusting Piece
31	48-1000-9-781	Screw(M3-0.5×10)
32	48-1000-0-032	Knock Pin
33	46-1000-0-015	Nut
34	46-1000-9-737	Screw(M4-0.7×20)
35	46-1001-5-240	Tab Knife Shaft
36	46-1001-5-243	Lock Screw
37	46-1001-5-242	Spacer
38	46-1000-0-035	Spring Pin
39	46-1001-4-704	Shaft Holder(Front)
40	46-1000-9-752	Screw(M5-0.8×15)

Det. No	Parts. No	Description
41	46-1001-4-144	Bearing
42	48-1125-5-403	Lifting Guide(Upper)
43	46-1001-4-817	Lifting Guide Spacer
44	48-1125-5-404	Lifting Guide(Lower)
45	46-1001-4-842	Universal Joint
46	46-1001-5-257	Guide Shaft
47	46-1001-4-143	Rubber Cushion
48	48-1019-0-026	Bolt(M10-1.5×87)
49	46-1000-0-260	Nut
50	46-1000-0-612	Washer
51 *	46-1001-0-260	Air Tubing(4×2.5mm)
52	46-1001-4-613	Shipping Lock
53	46-1000-9-753	Screw(M6-1×30)
* Specify Length.		



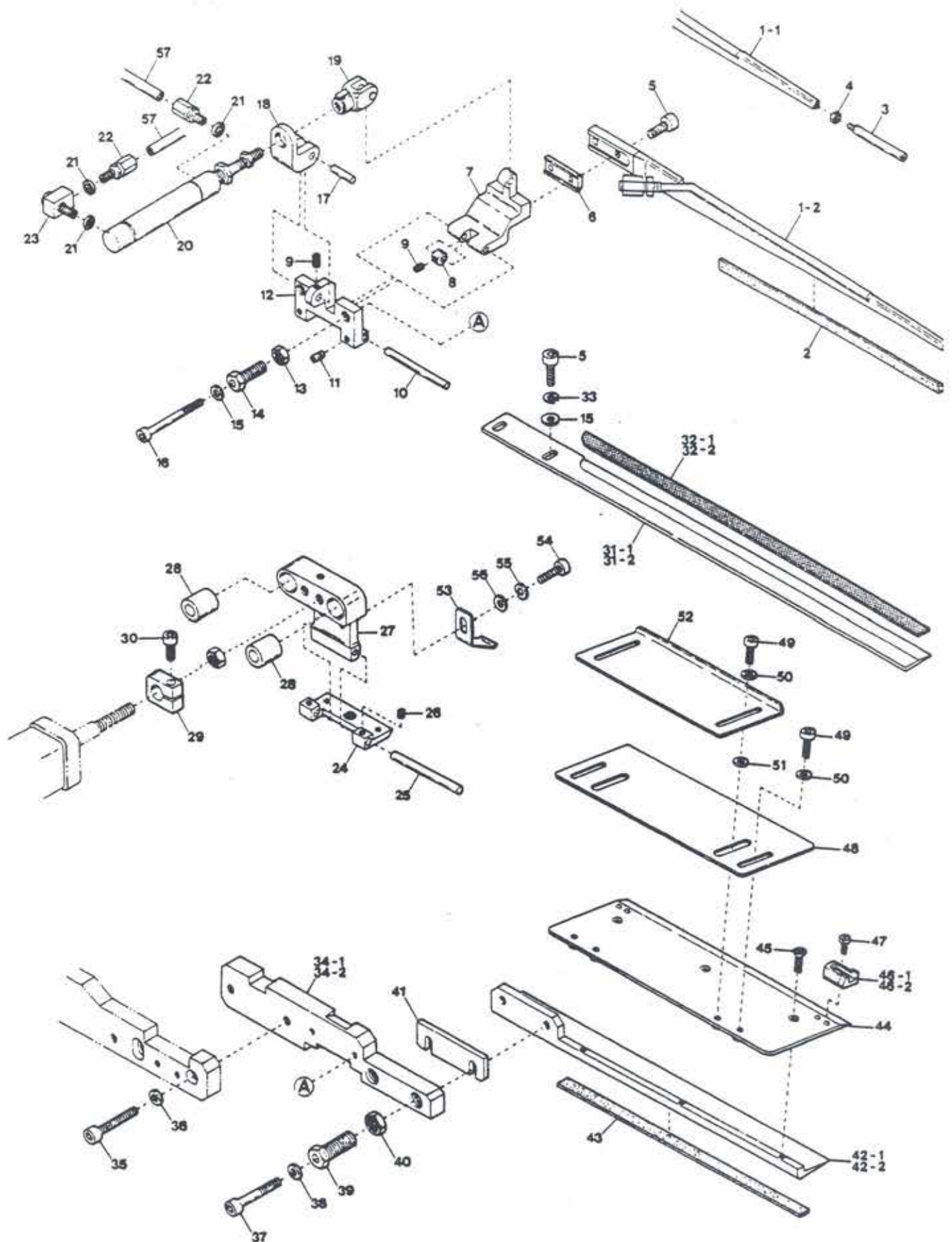
Det. No	Parts. No	Description
1	48-1125-5-386	Slide Unit
2	46-1000-6-225	Screw(M6-1×65)
3	46-1000-0-667	Spring Washer
4	46-1000-0-428	Washer
5	48-1125-5-388	Block
6	46-1000-9-970	Screw(M6-1×20)
7	46-1000-9-753	Screw(M6-1×30)
8	46-1000-6-176	Screw(M6-1×50)
9	46-1001-4-129	Plate
10	46-1000-0-665	Washer
11	46-1000-0-644	Spring Washer
12	46-1000-9-992	Screw(M4-0.7×10)
13	46-1000-9-974	Screw(M4-0.7×8)
14	48-1125-5-853	Block
15	46-1000-9-752	Screw(M5-0.8×10)
16	46-1001-4-402	Rod End
17	46-1000-9-972	Screw(M8-1.25×25)
18	46-1000-0-666	Washer
19	46-1125-5-579	Switch Support
20	48-1106-6-014	Sensing Switch
21	46-1000-9-745	Screw(M3-0.5×15)
22	46-1000-0-002	Spring Washer
23	46-1000-0-014	Washer
24	46-1001-4-780	Nut Plate
25	48-1109-1-041	Cylinder (EMD-CA20-200-T1100)
26	46-1001-0-254	Speed Control
27	46-1000-9-940	Screw(M8-1.25×35)
28	46-1000-0-016	Nut
29	48-1125-5-443	Cylinder Support
30	46-1000-9-977	Screw(M6-1×25)
31	46-1000-0-663	Washer
32	48-1125-5-409	Shaft
33	46-1001-4-120	Rubber Cushion
34	48-1125-5-849	Cylinder Holder
35	46-1001-4-119	Collar
36	46-1000-3-662	Screw(M6-1×6)
37	46-1001-4-108	Clamp Shaft Spring
38	46-1000-9-980	Screw(M6-1×10)
39	46-1001-4-117	Holder Shaft
40	46-1000-9-736	Screw(M4-0.7×6)

Det. No	Parts. No	Description
41	48-1125-5-850	Lock Plate
42	46-1001-4-693	Cylinder Support
43	46-1000-9-755	Screw(M6-1×45)
44	46-1001-0-244	Cylinder(SPS32-5)
45	48-1125-5-851	Sensing Plate
46	.....	.....
47	46-1000-0-623	Gasket
48	46-1001-0-032	Nipple(M5)
49	46-1001-0-054	Speed Control
50	46-1001-0-258	Connector
51-1	48-1125-5-390	Tab Finger(10mm)
51-2	48-1125-5-391	" (12mm)
51-3	48-1125-5-392	" (14mm)
51-4	48-1125-5-393	" (16mm)
51-5	48-1125-5-394	" (18mm)
51-6	48-1125-5-395	" (20mm)
52	46-1000-0-209	Washer
53	46-1125-5-303	Tab Knife
54	46-1000-9-797	Screw(11/128-56×3.2)
55	46-1001-5-238	Tab Finger Holder (Rear), Complete
56	46-1001-5-246	Tab Finger Holder
57	46-1001-4-707	Bearing
58	46-1001-4-130	Adjusting Piece
59	48-1000-9-781	Screw(M3-0.5×10)
60	48-1000-0-032	Knock Pin
61	46-1000-0-015	Nut
62	46-1000-9-737	Screw(M4-0.7×20)
63	46-1001-5-240	Tab Knife Shaft
64	46-1001-5-243	Lock Screw
65	46-1001-5-242	Spacer
66	46-1000-0-035	Spring Pin
67	46-1001-4-705	Shaft Holder(Rear)
68	46-1001-4-144	Bearing
69 *	46-1001-0-260	Air Tubing(4×2.5mm)
		* Specify Length.



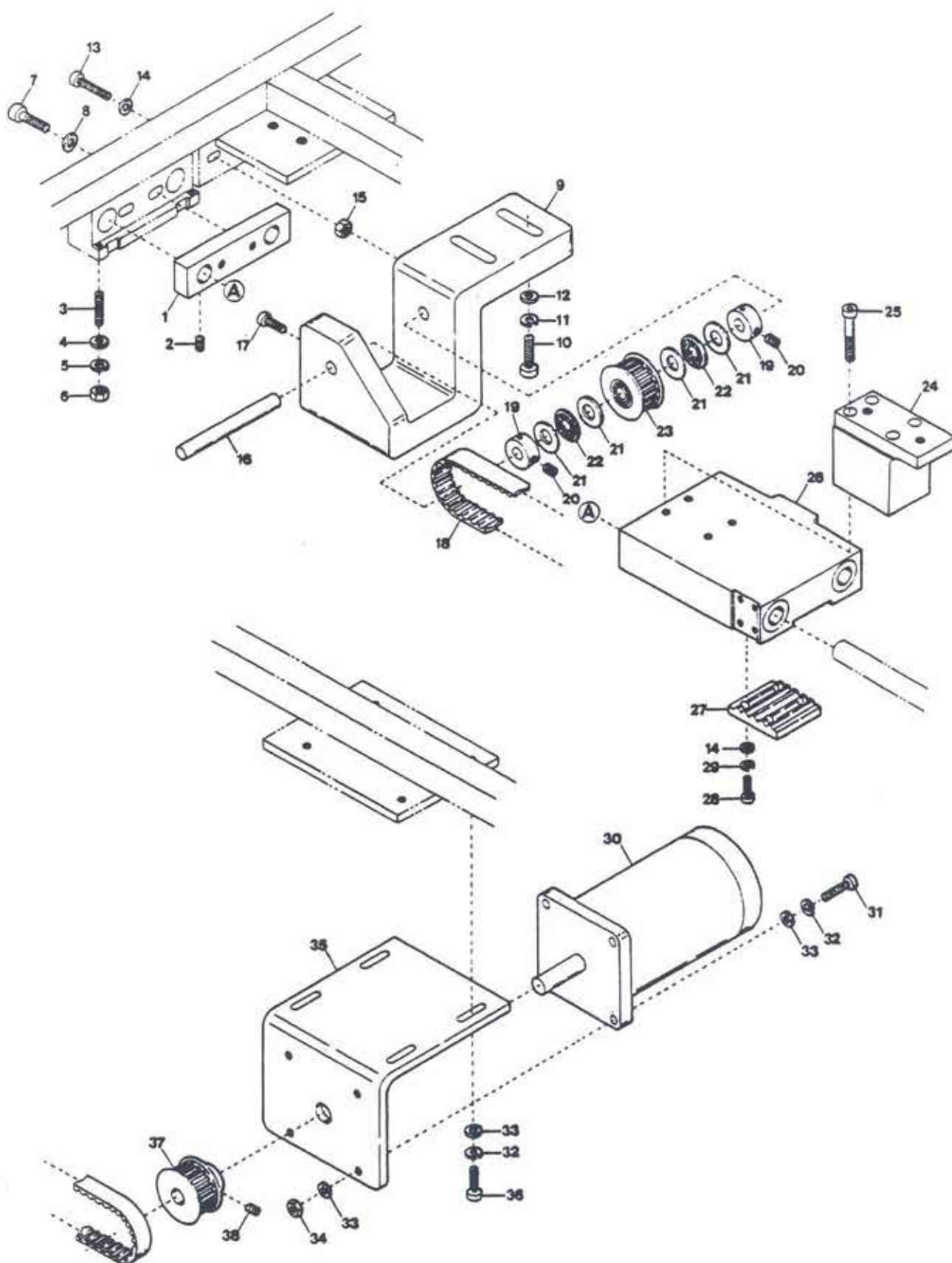
Det. No	Parts. No	Description
1	46-1001-4-625	Manifold
2	46-1000-6-214	Screw(M3-0.5×40)
3	46-1000-0-002	Spring Washer
4	46-1000-0-014	Washer
5	46-1001-0-182	TAC Valve
6	46-1000-0-623	Gasket
7	46-1001-0-258	Connector
8	46-1001-0-054	Speed Control
9	46-1011-0-067	Plug Screw(M5-0.8×5)
10	46-1000-6-248	Screw(M3-0.5×80)
11	46-1000-0-012	Nut
12	46-1001-4-606	Support
13	46-1000-9-744	Screw(M3-0.5×10)
14	48-1125-5-737	Carriage Block
15	46-1000-9-761	Screw(M10-1.5×55)
16	46-1000-0-439	Spring Washer
17	46-1000-0-612	Washer
18	46-1001-4-599	Positioner(Lower)
19	46-1001-4-598	Positioner(Upper)
20	46-1000-9-747	Screw(M4-0.7×10)
21	46-1000-9-750	Screw(M4-0.7×20)
22	46-1000-6-213	Screw(M4-0.7×30)
23	46-1000-0-015	Nut
24	46-1000-0-644	Spring Washer
25	46-1000-0-665	Washer
26	46-1001-0-250	Cylinder(SPD-32×20)
27	46-1000-9-755	Screw(M6-1×45)
28	46-1001-0-337	Union Y-Connector
29	46-1000-9-749	Screw(M4-0.7×16)
30	46-1001-4-030	Clamp Foot Spring
31	46-1000-6-183	Screw(M6-1×6.5)
32	48-1125-5-354	Adjustment Block
33	46-1000-9-738	Screw(M5-0.8×30)
34	46-1001-5-244	Clamp Foot Shaft
35	46-1000-3-662	Screw(M6-1×6)
36	46-1001-4-654	Bushing
37	46-1001-4-592	Collar
38	46-1000-3-655	Screw(M4-0.7×10)
39-1	48-1125-5-342	Clamp Arm(Right)
39-2	48-1125-5-343	" (Left)
40	46-1000-6-215	Screw(M4-0.7×10)

Det. No	Parts. No	Description
41	48-1125-5-344	Support
42	46-1000-9-976	Screw(M6-1×15)
43	46-1000-0-399	Washer
44	48-1125-5-347	Guide Shaft(Short)
45	48-1125-5-739	Cylinder Support
46	46-1000-6-212	Screw(M5-0.8×6)
47	46-1001-4-653	Spring
48	46-1000-6-638	Screw(5/32-40×9.5)
49	46-1000-0-339	Nut
50	48-1125-5-738	Cylinder Bracket
51	46-1000-9-748	Screw(M4-0.7×12)
52	48-1109-1-076	Cylinder (SPDW-20×26E)
53	48-1012-0-038	Screw(M5-0.8×55)
54	48-1125-5-742	Sleeve
55	46-1001-0-032	Nipple(M5)
56 *	46-1001-0-260	Air Tubing(4×2.5mm)
		* Specify Length.

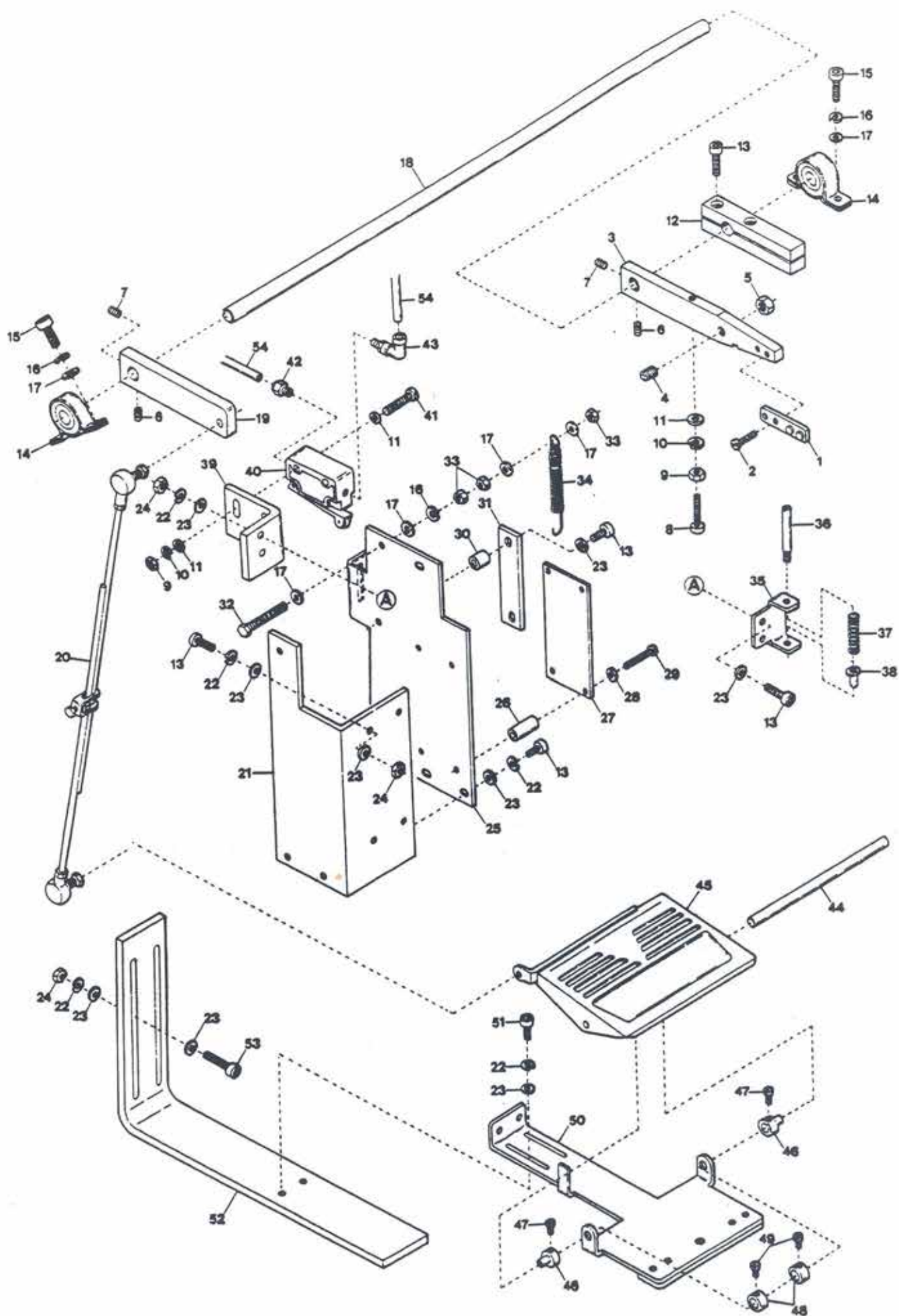


Det. No	Parts. No	Description
1-1	48-1125-5-731	Flap Clamp(Right)
1-2	48-1125-5-732	" (Left)
2	46-1001-4-590	Flap Clamp Rubber
3	48-1018-0-023	Flap Clamp(Right) Pin
4	46-1000-0-012	Nut
5	46-1000-9-746	Screw(M4-0.7×8)
6	46-1001-5-472	Flap Clamp Spacer
7	46-1001-4-614	Flap Holder
8	46-1001-4-610	Flap Holder Collar
9	46-1016-0-000	Screw(M3-0.5×3)
10	46-1001-4-611	Flap Holder Shaft
11	46-1000-9-736	Screw(M4-0.7×6)
12	46-1001-4-608	Flap Holder Bracket
13	46-1000-0-145	Nut
14	46-1000-6-193	Screw(M8-1.25×19)
15	46-1000-0-665	Washer
16	46-1000-6-235	Screw(M4-0.7×35)
17	46-1001-4-609	Shaft
18	46-1001-4-587	Cylinder Bracket
19	46-1001-0-284	Y-Knuckle
20	48-1109-1-046	Cylinder(MS-16ND-35P)
21	46-1000-0-623	Gasket
22	46-1001-0-258	Connector
23	46-1001-0-019	L-Connector
24	48-1125-5-330	Brush Blade Holder
25	48-1125-5-331	Shaft
26	46-1016-0-001	Screw(M4-0.7×4)
27	48-1125-5-740	Brush Blade Block
28	48-1125-5-348	Bearing
29	48-1125-5-897	Collar
30	48-1012-0-026	Screw(M5-0.8×18)
31-1	48-1125-5-729	Brush Blade(Right)
31-2	48-1125-5-730	" (Left)
32-1	48-1125-5-596	Reflective Sheet (Right)
32-2	48-1125-5-353	" (Left)
33	46-1000-0-644	Spring Washer
34-1	46-1001-4-645	Connecting Arm(Right)
34-2	46-1001-4-646	" (Left)
35	46-1000-9-976	Screw(M6-1×15)
36	46-1000-0-399	Washer
37	46-1000-9-964	Screw(M6-1×40)
38	46-1000-0-663	Washer
39	48-1019-0-042	Screw(M12-1×23)
40	46-1000-6-185	Nut

Det. No	Parts. No	Description
41	-----	Spacer(See Page 49)
42-1	48-1125-5-743	Clamp Foot(Right)
42-2	48-1125-5-744	" (Left)
43-1	46-1001-4-589	Clamp Foot Rubber (3.5mm)
43-2	48-1125-5-960	Clamp Foot Rubber (6.0mm) (Extra)
43-3	48-1125-5-961	Clamp Foot Rubber (2.0mm) (Extra)
44	48-1125-5-748	Cover Plate
45	46-1000-6-217	Screw(M3-0.5×5)
46-1	48-1125-5-296	Stop(Right)
46-2	48-1125-5-297	" (Left)
47	48-1011-0-030	Screw(M3-0.5×2.6)
48	46-1125-5-747	Positioning Plate
49	46-1000-9-791	Screw(M3-0.5×6)
50	46-1000-0-014	Washer
51	48-1000-0-553	Washer
52	48-1125-5-746	Flap Guide
53	48-1125-5-741	Press Spring
54	46-1000-9-746	Screw(M4-0.7×8)
55	46-1000-0-644	Spring Washer
56	46-1000-0-665	Washer
57 *	46-1001-0-260	Air Tubing(4×2.5mm)
		* Specify Length.

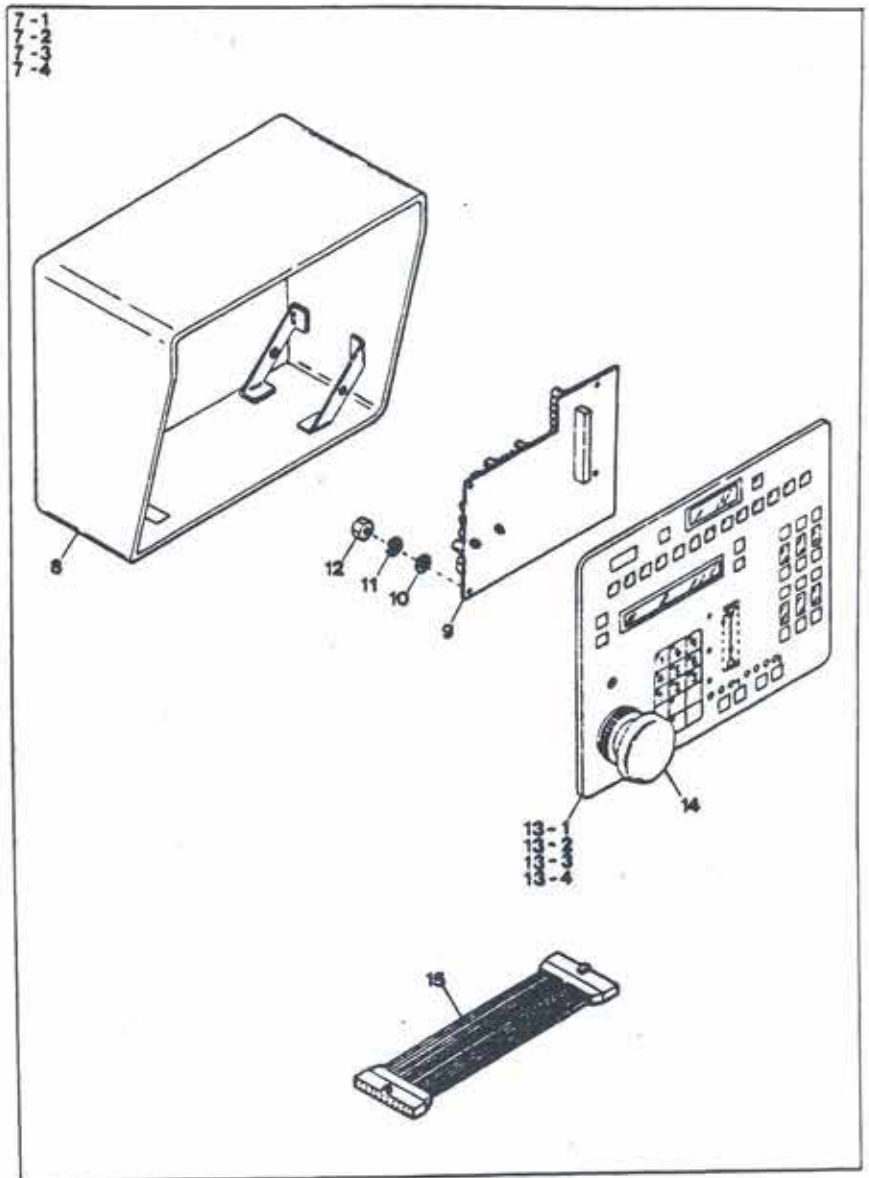
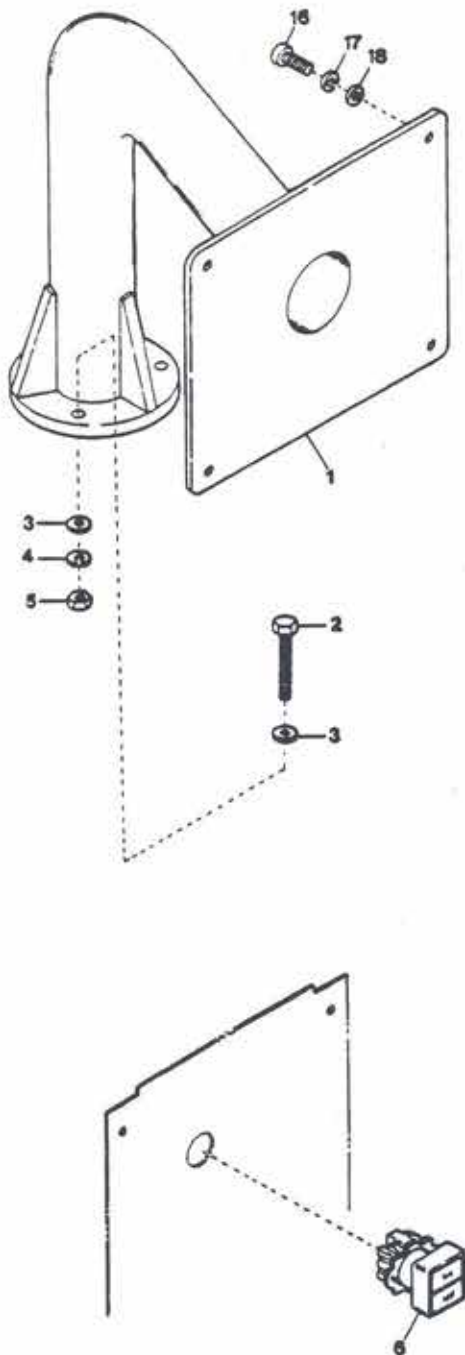


Det. No	Parts. No	Description
1	46-1001-4-101	Holder
2	46-1000-3-662	Screw(M6-1×6)
3	46-1000-9-738	Screw(M5-0.8×30)
4	46-1000-0-669	Washer
5	46-1000-0-600	Spring Washer
6	46-1000-0-009	Nut
7	46-1000-6-220	Screw(M8-1.25×40)
8	46-1000-0-429	Washer
9	48-1125-5-419	Sub-Pulley Holder
10	46-1000-9-761	Screw(M10-1.5×55)
11	46-1000-0-439	Spring Washer
12	46-1000-0-432	Washer
13	46-1000-9-755	Screw(M6-1×45)
14	46-1000-0-663	Washer
15	46-1000-0-011	Nut
16	48-1125-5-416	Sub-Pulley Shaft
17	46-1000-9-740	Screw(M6-1×10)
18	48-1125-5-412	Carriage Belt
19	46-1007-7-286	Collar
20	46-1000-3-635	Screw(1/4-40×6)
21	46-1001-4-572	Spacer
22	46-1001-4-571	Thrust Bearing
23	48-1125-5-413	Sub-Pulley
24	48-1125-5-424	Block
25	46-1000-9-759	Screw(M8-1.25×55)
26	48-1125-5-422	Slide Unit
27	48-1125-5-415	Belt Clamp
28	46-1000-9-754	Screw(M6-1×35)
29	46-1000-0-667	Spring Washer
30	48-1106-4-024	Drive Motor
31	46-1000-9-940	Screw(M8-1.25×35)
32	46-1000-0-676	Spring Washer
33	46-1000-0-666	Washer
34	46-1000-0-016	Nut
35	48-1125-5-410	Motor Bracket
36	46-1000-9-936	Screw(M8-1.25×20)
37	48-1125-5-411	Main Pulley
38	46-1000-6-210	Screw(M6-1×12)

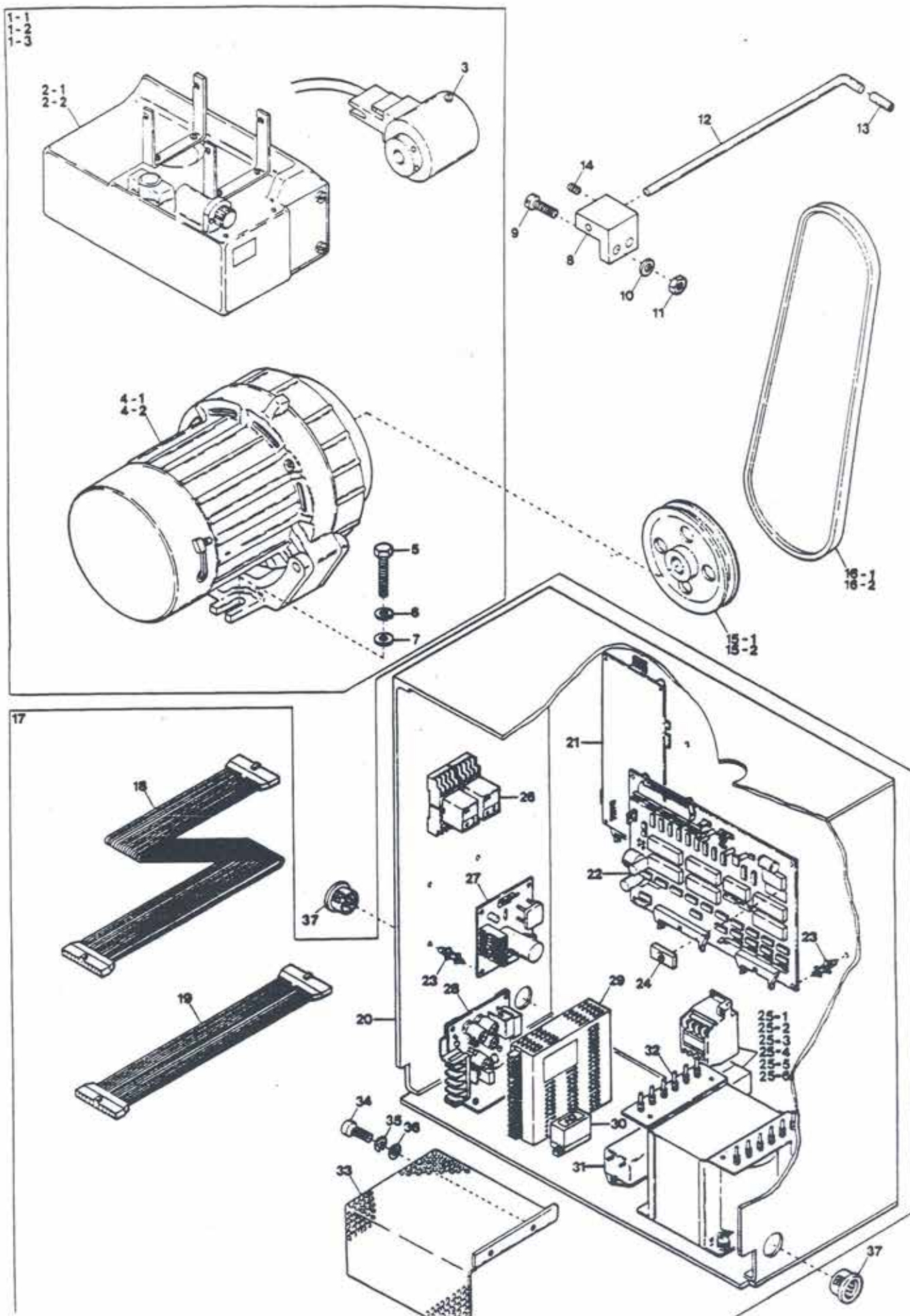


Det. No	Parts. No	Description
1	46-1001-4-767	Magnet Unit
2	46-1000-9-956	Screw(M3-0.5×10)
3	46-1001-4-763	Magnet Holder
4	46-1001-4-725	Spring Plunger
5	46-1000-0-054	Nut
6	46-1000-6-206	Screw(M5-0.8×8)
7	46-1000-6-212	Screw(M5-0.8×6)
8	46-1000-9-914	Screw(M4-0.7×40)
9	46-1000-0-015	Nut
10	46-1000-0-644	Spring Washer
11	46-1000-0-665	Washer
12	46-1001-4-918	Stop(Lower)
13	46-1000-9-970	Screw(M6-1×20)
14	46-1001-4-758	Shaft Bearing
15	46-1000-9-936	Screw(M8-1.25×20)
16	46-1000-0-676	Spring Washer
17	46-1000-0-666	Washer
18	46-1001-4-769	Shaft(Upper)
19	46-1001-4-919	Lever
20	46-1001-4-722	Pitman Unit
21	46-1001-4-921	Angle Plate
22	46-1000-0-667	Spring Washer
23	46-1000-0-663	Washer
24	46-1000-0-011	Nut
25	46-1001-4-920	Plate
26	46-1001-0-914	Spacer
27	46-1001-4-903	Treadle Switch Unit
28	46-1000-0-014	Washer
29	46-1000-9-957	Screw(M3-0.5×16)
30	46-1001-4-917	Spacer
31	46-1001-4-723	Plate
32	46-1000-9-978	Screw(M8-1.25×50)
33	46-1000-0-016	Nut
34	46-1001-4-757	Spring
35	46-1001-4-759	Stop Spring Bracket
36	46-1001-4-756	Stop Pin
37	46-1001-4-760	Stop Spring
38	46-1001-4-761	Stop(Upper)
39	48-1125-5-821	Limit Valve Support
40	48-1109-0-089	Limit Valve

Det. No	Parts. No	Description
41	48-1012-0-027	Screw(M4-0.7×25)
42	46-1001-0-055	Connector(φ4-1/8)
43	46-1001-0-057	Elbow Connector (φ4-1/8)
44	46-1125-5-130	Shaft(Lower)
45	46-1125-5-092	Treadle
46	46-1125-5-324	Shaft Collar
47	48-1011-0-017	Screw(M5-0.8×8)
48	46-1003-2-719	Collar
49	46-1000-4-351	Screw(9/64-40×7)
50	46-1001-4-753	Treadle Support
51	46-1000-9-976	Screw(M6-1×15)
52	46-1001-5-226	Plate
53	46-1000-6-201	Screw(M6-1×50)
54 *	46-1001-0-260	Air Tubing(4×2.5mm)
		* Specify Length.



Det. No	Parts. No	Description
1	48-1125-5-508	Control Box Holder
2	46-1000-9-759	Screw(M8-1.25×55)
3	46-1000-0-666	Washer
4	46-1000-0-676	Spring Washer
5	46-1000-0-016	Nut
6	48-1106-6-011	Power Source Switch
7-1	48-1125-5-566	Control Box, C. (English)
7-2	48-1125-5-567	" (German)
7-3	48-1125-5-568	" (French)
7-4	48-1125-5-569	" (Japanese)
8	48-1125-5-521	Control Box
9	48-1105-7-025	Interface Board
10	46-1000-0-014	Washer
11	46-1000-0-002	Spring Washer
12	46-1000-0-012	Nut
13-1	48-1105-7-032	Control Panel (English)
13-2	48-1105-7-036	" (German)
13-3	48-1105-7-035	" (French)
13-4	48-1105-7-034	" (Japanese)
14	46-1001-0-906	Emergency Stop Switch
15	48-1120-0-081	LCD Cable
16	46-1000-9-977	Screw(M6-1×25)
17	46-1000-0-667	Spring Washer
18	46-1000-0-663	Washer

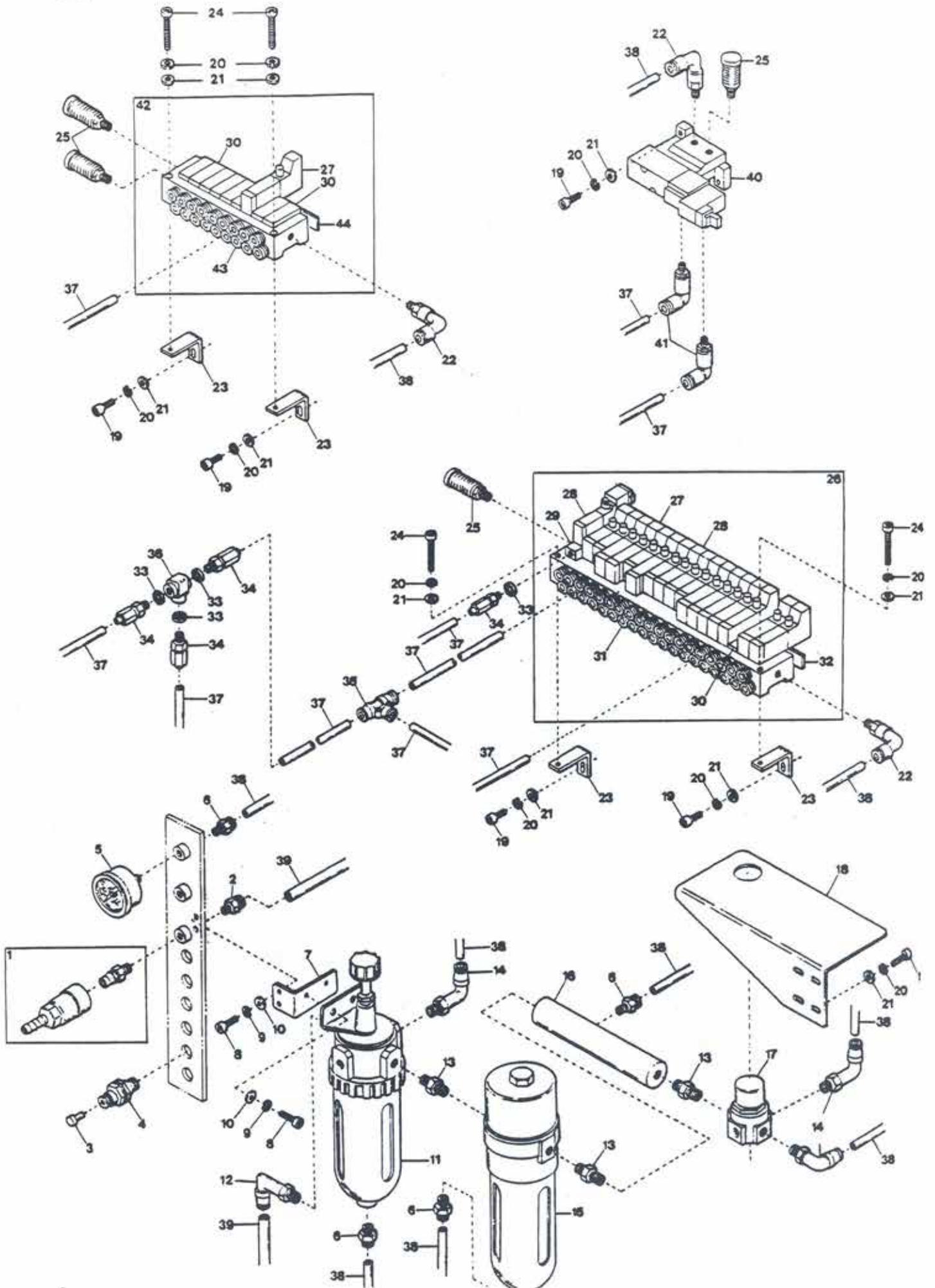


Det. No	Parts. No	Description
1-1	46-1001-0-900	Motor Unit (3 Phase 200, 220, 380, 440V)
1-2	46-1001-0-965	Motor Unit (Single Phase 100V)
1-3	46-1001-0-978	Motor Unit (Single Phase 220V)
2-1	46-1001-0-957	Motor Control (3 Phase)
2-2	46-1001-0-977	" (Single Phase)
3	46-1001-0-956	Synchronizer
4-1	46-1001-0-955	Motor (3 Phase)
4-2	46-1001-0-976	" (Single Phase)
5	46-1000-9-928	Screw (M10-1.5×30)
6	46-1000-0-439	Spring Washer
7	46-1000-0-432	Washer
8	46-1001-4-418	Pin Holder
9	46-1000-4-445	Screw (11/64-40×11)
10	46-1000-0-530	Washer
11	46-1000-0-334	Nut
12	46-1001-4-421	Positioning Pin
13	46-1002-2-837	Synchronizer Cushion
14	46-1000-9-736	Screw (M4-0.7×6)
15-1	46-1001-4-797	Motor Pulley (100mm)
15-2	46-1001-4-798	" (120mm)
16-1	46-1001-0-987	V-Belt (M52 inch)
16-2	46-1001-0-988	" (M53 inch)
17	-----	Power Source Box, C. (See table below)
18	48-1120-0-066	Cable (1) (50 lines)
19	48-1120-0-082	Cable (2) (50 lines)
20	48-1125-5-497	Power Source Box

Det. No	Parts. No	Description
21	48-1105-7-024	Intermediate Board
22	48-1105-7-023	Control Board
23	46-1001-0-954	Board Support
24	48-1105-0-050	"EPROM"
25-1	46-1001-0-894	Motor Start Relay (3 Phase 200V)
25-2	46-1001-0-895	Motor Start Relay (3 Phase 220V)
25-3	46-1001-0-896	Motor Start Relay (3 Phase 380V)
25-4	46-1001-0-897	Motor Start Relay (3 Phase 440V)
25-5	46-1001-0-913	Motor Start Relay (Single Phase 100V)
25-6	46-1001-0-979	Motor Start Relay (Single Phase 220V)
26	48-1106-6-060	Amplifier Unit
27	48-1105-7-016	Power Board
28	48-1106-1-000	Voltage Regulator (5V 3A)
29	48-1106-4-039	Stepping Motor Drive
30	46-1001-0-842	Circuit Protector
31	46-1001-0-846	Noise Filter
32	48-1106-0-003	Transformer
33	48-1125-5-498	Transformer Cover
34	46-1000-9-992	Screw (M4-0.7×10)
35	46-1000-0-644	Spring Washer
36	46-1000-0-665	Washer
37	48-1107-0-056	Bushing

Components of Power Source Box, Complete

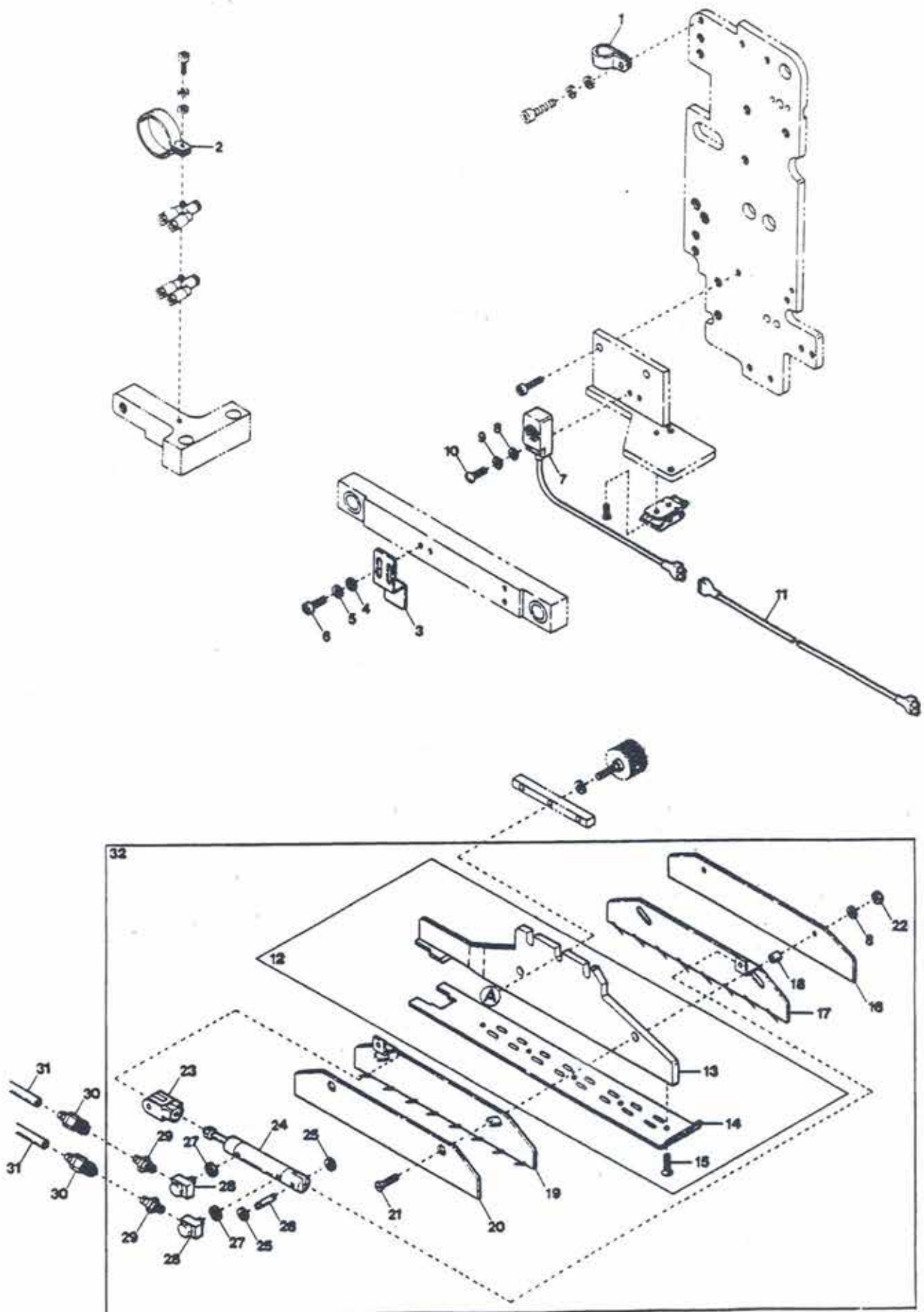
Parts No.	Description	Voltage	Patch Loader	Flap Loader	Amplifier Unit	Pneumatic Valve (19 Valves)	Pneumatic Valve (9 Valves)	Pneumatic Valve (1 Valve)	Relay
48-1124-9-015		200V	○	○	1 pc.	48-1109-0-081	48-1109-0-043	48-1109-0-082	46-1001-0-894
48-1124-9-016		220V	○	○	1	"	"	"	46-1001-0-895
48-1124-9-017		380V	○	○	1	"	"	"	46-1001-0-896
48-1124-9-018		440V	○	○	1	"	"	"	46-1001-0-897
48-1125-5-586		200V	○	×	2 pcs.	"	48-1109-0-045	"	46-1001-0-894
48-1125-5-587		220V	○	×	2	"	"	"	46-1001-0-895
48-1125-5-588		380V	○	×	2	"	"	"	46-1001-0-896
48-1125-5-589		440V	○	×	2	"	"	"	46-1001-0-897
48-1125-5-590		200V	×	×	2	"	48-1109-0-090	"	46-1001-0-894
48-1125-5-591		220V	×	×	2	"	"	"	46-1001-0-895
48-1125-5-592		380V	×	×	2	"	"	"	46-1001-0-896
48-1125-5-593		440V	×	×	2	"	"	"	46-1001-0-897



Det. No	Parts. No	Description
1	46-1001-0-227	Coupler
2	46-1001-0-265	Connector(φ 8-1/4)
3	46-1001-0-278	Plug
4	46-1001-0-270	Connector(φ 4)
5	46-1001-0-188	Pressure Gauge
6	46-1001-0-264	Connector(φ 6-1/4)
7	46-1001-4-745	Regulator Support
8	46-1000-9-976	Screw(M6-1×15)
9	46-1000-0-667	Spring Washer
10	46-1000-0-663	Washer
11	46-1001-0-184	Regulator(AW211-02B)
12	46-1001-0-269	Elbow Connector (φ 8-1/4)
13	46-1001-0-024	Nipple(1/4)
14	46-1001-0-267	Elbow Connector (φ 6-1/4)
15	46-1001-0-239	Oil Mist Separator
16	46-1001-4-744	Air Distributor
17	46-1001-0-185	Regulator(AR111-02)
18	48-1125-5-704	Regulator Support
19	46-1000-9-749	Screw(M4-0.7×16)
20	46-1000-0-644	Spring Washer
21	46-1000-0-665	Washer
22	46-1001-0-266	Elbow Connector (φ 6-1/8)
23	48-1125-5-531	Valve Support
24	48-1012-0-027	Screw(M4-0.7×25)
25	46-1001-0-143	Silencer(MF6)
26	48-1109-0-081	Pneumatic Valve, Complete(19 Valves)
27	48-1109-0-035	Pneumatic Valve (5 Port)
28	48-1109-0-042	Pneumatic Valve (3 Port)
29	48-1109-0-065	Spacer
30	48-1109-0-037	Blind Cover
31	48-1109-0-041	Manifold(19 Valves)
32	48-1039-0-031	Sticker
33	46-1000-0-623	Gasket
34	46-1001-0-258	Connector
35	46-1001-0-271	T-Connector
36	46-1001-0-416	Quick Valve
37 *	46-1001-0-260	Air Tubing(4×2.5mm)
38 *	46-1001-0-261	Air Tubing(6×4mm)
39 *	46-1001-0-262	Air Tubing(8×6mm)
40	48-1109-0-082	Pneumatic Valve (4 Port)
* Specify Length.		

Det. No	Parts. No	Description
41	46-1001-0-057	L-Connector(φ 4-1/8)
42	48-1109-0-045	Pneumatic Valve, C. (9 Valves)
43	48-1109-0-040	Manifold(9 Valves)
44	48-1039-0-032	Sticker

Series 48-F, G, H, J(1)

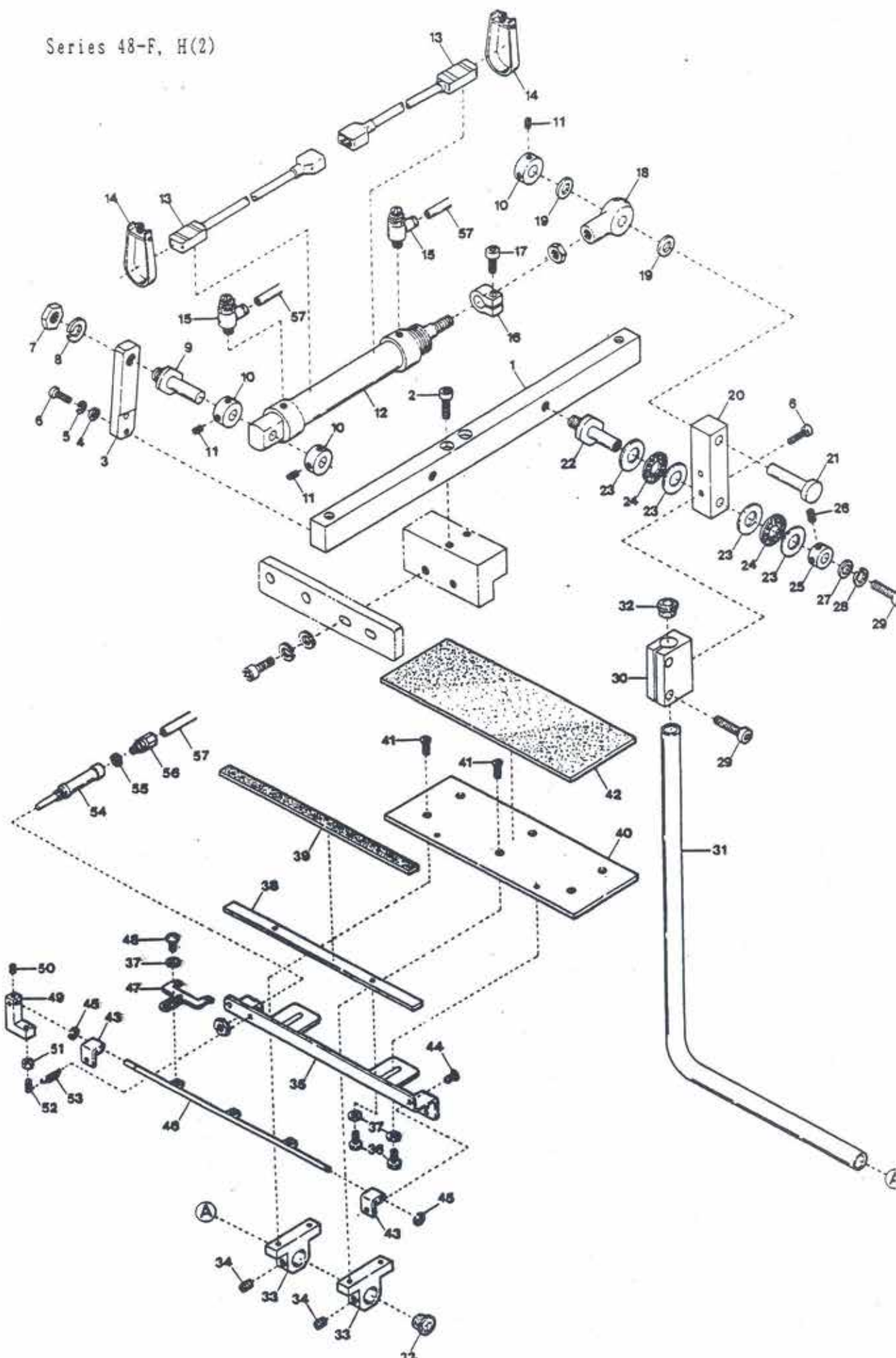


Det. No.	Parts. No.	Description
1	46-1001-0-722	Cord Clamp (ϕ 22.9-14N)
2	48-1001-0-659	Cord Clamp (ϕ 29.2-18N)
3	48-1125-5-240	Sensing Plate
4	46-1000-0-665	Washer
5	46-1000-0-644	Spring Washer
6	46-1000-9-746	Screw(M4-0.7 $\times$ 8)
7	48-1106-6-014	Sensing Switch
8	46-1000-0-014	Washer
9	46-1000-0-002	Spring Washer
10	46-1000-9-745	Screw(M3-0.5 $\times$ 15)
11	48-1120-0-065	Extension Cord
12	-----	Patch Guide, C. (See Table)
13	-----	Patch Guide(Upper) (See Table)
14	-----	Patch Guide(Lower) (See Table)
15	46-1000-9-734	Screw(M2-0.4 $\times$ 6)
16	48-1125-5-249	Needle Cover(1)
17	48-1125-5-253	Needle Plate(Right)
18	48-1125-5-256	Spacer
19	48-1125-5-251	Needle Plate(Left)
20	48-1125-5-255	Needle Cover(2)

Det. No.	Parts. No.	Description
21	48-1000-7-626	Screw(M3-0.5 $\times$ 11)
22	46-1000-0-012	Nut
23	46-1001-0-283	Y-Knuckle(3mm)
24	48-1109-1-021	Sylinder (MS10-PD-15P)
25	48-1003-4-293	Retaining Ring
26	48-1125-5-556	Cylinder Pin
27	46-1000-0-623	Gasket
28	46-1001-0-019	L-Connector
29	48-1109-4-016	Nipple(M5)
30	48-1109-4-015	Coupler
31 *	46-1001-0-260	Air Tubing(4 $\times$ 2.5mm)
32	-----	Patch Guide for Patch Loader, C. (See Table)
		* Specify Length.

Models	Parts No.	Patch Guide for Patch Loader, C.	Patch Guide, Complete	Patch Guide (Upper)	Patch Guide (Lower)
S48-A10-175S	48-1125-5-864	48-1125-5-864	48-1125-5-766	48-1125-5-754	48-1125-5-274
-175D	48-1125-5-865	48-1125-5-865	48-1125-5-767	48-1125-5-755	48-1125-5-270
-185S	48-1125-5-866	48-1125-5-866	48-1125-5-768	48-1125-5-754	48-1125-5-750
-185D	48-1125-5-867	48-1125-5-867	48-1125-5-769	48-1125-5-755	48-1125-5-751
12-210D	48-1125-5-959	48-1125-5-959	48-1125-5-782	48-1125-5-756	48-1125-5-784
-220S	48-1125-5-868	48-1125-5-868	48-1125-5-770	"	48-1125-5-275
-220D	48-1125-5-869	48-1125-5-869	48-1125-5-771	48-1125-5-757	48-1125-5-271
14-270S	48-1125-5-870	48-1125-5-870	48-1125-5-772	48-1125-5-758	48-1125-5-276
-270D	48-1125-5-871	48-1125-5-871	48-1125-5-773	48-1125-5-759	48-1125-5-272
16-300S	48-1125-5-872	48-1125-5-872	48-1125-5-774	48-1125-5-760	48-1125-5-510
-300D	48-1125-5-873	48-1125-5-873	48-1125-5-775	48-1125-5-761	48-1125-5-509
-310S	48-1125-5-874	48-1125-5-874	48-1125-5-776	48-1125-5-760	48-1125-5-450
-310D	48-1125-5-875	48-1125-5-875	48-1125-5-777	48-1125-5-761	48-1125-5-447
18-350S	48-1125-5-876	48-1125-5-876	48-1125-5-778	48-1125-5-762	48-1125-5-451
-350D	48-1125-5-877	48-1125-5-877	48-1125-5-779	48-1125-5-763	48-1125-5-448
20-390S	48-1125-5-878	48-1125-5-878	48-1125-5-780	48-1125-5-764	48-1125-5-452
-390D	48-1125-5-879	48-1125-5-879	48-1125-5-781	48-1125-5-765	48-1125-5-449

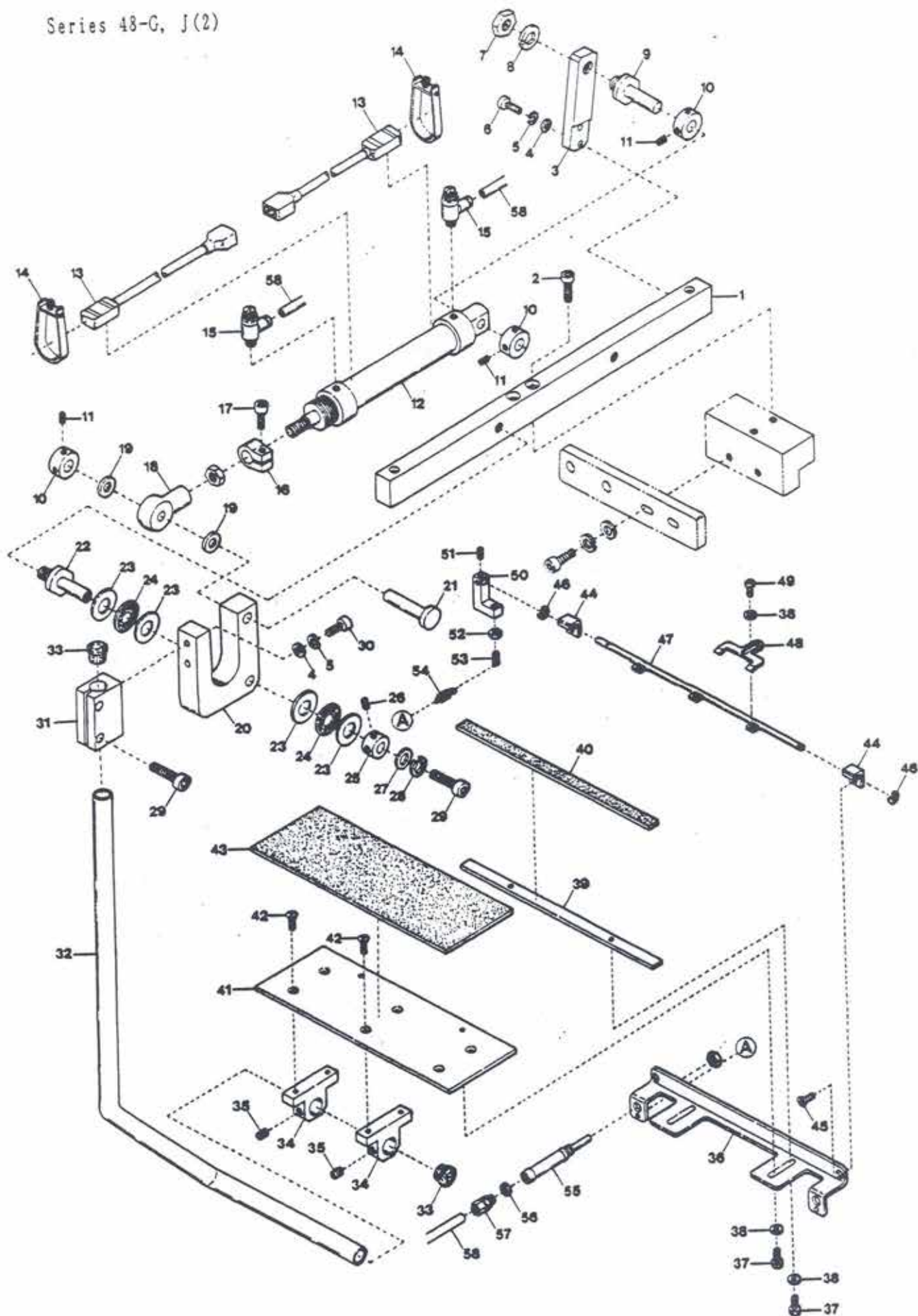
Series 48-F, H(2)



Det. No	Parts. No	Description
1	48-1125-5-282	Supporting Bar
2	46-1000-9-753	Screw(M6-1×30)
3	48-1125-5-597	Cylinder Support
4	46-1000-0-665	Washer
5	46-1000-0-644	Spring Washer
6	46-1000-9-749	Screw(M4-0.7×16)
7	46-1000-0-054	Nut
8	46-1000-0-439	Spring Washer
9	46-1001-4-523	Cylinder Pin
10	46-1007-7-296	Collar
11	46-1000-7-650	Screw(11/64-40×5)
12	48-1109-1-022	Cylinder(REMD20×50)
13	48-1106-6-013	Sensing Switch
14	46-1001-0-301	Band
15	46-1001-0-254	Speed Control
16	48-1003-3-104	Collar
17	48-1000-5-550	Screw (11/64-40×13.5)
18	46-1001-4-402	Rod End
19	46-1000-0-666	Washer
20	48-1125-5-284	Moving Lever
21	48-1125-5-557	Connecting Pin
22	48-1125-5-285	Patch Loader Pin
23	48-1003-2-848	Spacer
24	48-1003-2-849	Thrust Bearing
25	48-1003-0-228	Collar
26	48-1000-3-638	Screw(11/64-40×4)
27	46-1000-0-663	Washer
28	46-1000-0-667	Spring Washer
29	46-1000-9-976	Screw(M6-1×15)
30	48-1125-5-797	Pipe Holder
31	48-1125-5-327	Fixing Pipe(3)
32	48-1009-3-864	Pipe Cap
33	48-1125-6-140	Fixing Block
34	46-1000-3-662	Screw(M6-1×6)
35	48-1125-6-141	Plate
36	46-1000-9-791	Screw(M3-0.5×6)
37	46-1000-0-014	Washer
38	48-1125-6-148	Patch Space(Small)
39	48-1125-6-149	Rubber(Small)
40	48-1125-5-300	Patch Space

Det. No	Parts. No	Description
41	48-1013-0-007	Screw(M4-0.7×10)
42	48-1125-5-299	Rubber
43	48-1125-6-142	Guide Bar Block
44	48-1000-9-903	Screw(M3-0.5×6)
45	48-1003-6-132	Retaining Ring
46	48-1125-6-143	Guide Bar
47	48-1125-6-146	Patch Press
48	48-1011-0-101	Screw(M3-0.5×3)
49	48-1125-6-147	Patch Press Lever
50	46-1016-0-000	Screw(M3-0.5×3)
51	46-1000-0-339	Nut
52	46-1000-6-638	Screw(5/32-40×9.5)
53	48-1008-1-721	Spring
54	48-1109-1-102	Cylinder(MS-6-NFS-10)
55	46-1000-0-623	Gasket
56	46-1001-0-258	Connector
57 *	46-1001-0-260	Air Tubing(4×2.5mm)
		* Specify Length.

Series 48-G, J(2)

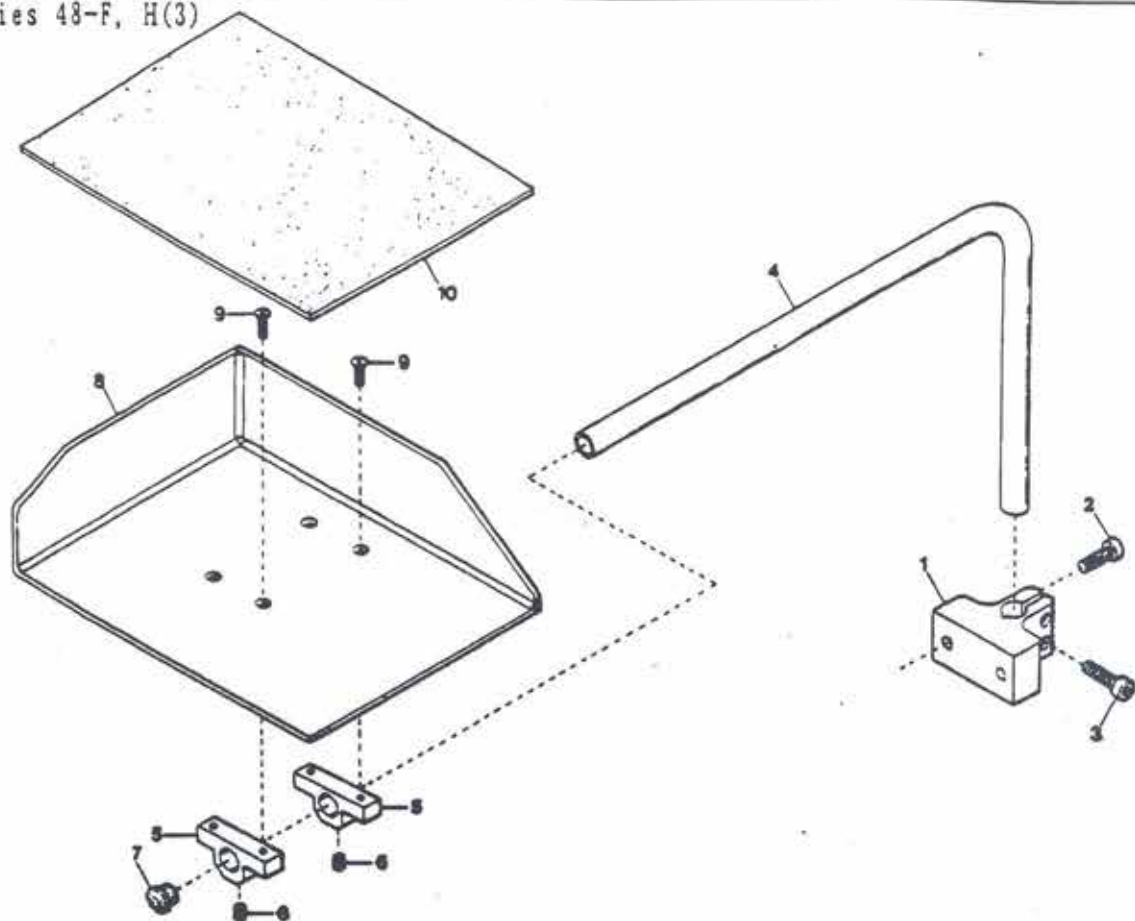


Det. No	Parts. No	Description
1	48-1125-5-282	Supporting Bar
2	46-1000-9-753	Screw(M6-1×30)
3	48-1125-5-597	Cylinder Support
4	46-1000-0-665	Washer
5	46-1000-0-644	Spring Washer
6	46-1000-9-749	Screw(M4-0.7×16)
7	46-1000-0-054	Nut
8	46-1000-0-439	Spring Washer
9	46-1001-4-523	Cylinder Pin
10	46-1007-7-296	Collar
11	46-1000-7-650	Screw(11/64-40×5)
12	48-1109-1-022	Cylinder(REMD20×50)
13	48-1106-6-013	Sensing Switch
14	46-1001-0-301	Band
15	46-1001-0-254	Speed Control
16	48-1003-3-104	Collar
17	48-1000-5-550	Screw(11/64-40×13.5)
18	46-1001-4-402	Rod End
19	46-1000-0-666	Washer
20	48-1125-5-545	Moving Lever
21	48-1125-5-557	Connecting Pin
22	48-1125-5-285	Patch Loader Pin
23	48-1003-2-848	Spacer
24	48-1003-2-849	Thrust Bearing
25	48-1003-0-228	Collar
26	48-1000-3-638	Screw(11/64-40×4)
27	46-1000-0-663	Washer
28	46-1000-0-667	Spring Washer
29	46-1000-9-976	Screw(M6-1×15)
30	48-1012-0-027	Screw(M4-0.7×25)
31	48-1125-5-797	Pipe Holder
32	48-1125-5-547	Fixing Pipe(2)
33	48-1009-3-864	Pipe Cap
34	48-1125-6-140	Fixing Block
35	46-1000-3-662	Screw(M6-1×6)
36	48-1125-6-141	Plate
37	46-1000-9-791	Screw(M3-0.5×6)
38	46-1000-0-014	Washer
39	48-1125-6-148	Patch Space(Small)
40	48-1125-6-149	Rubber(Small)

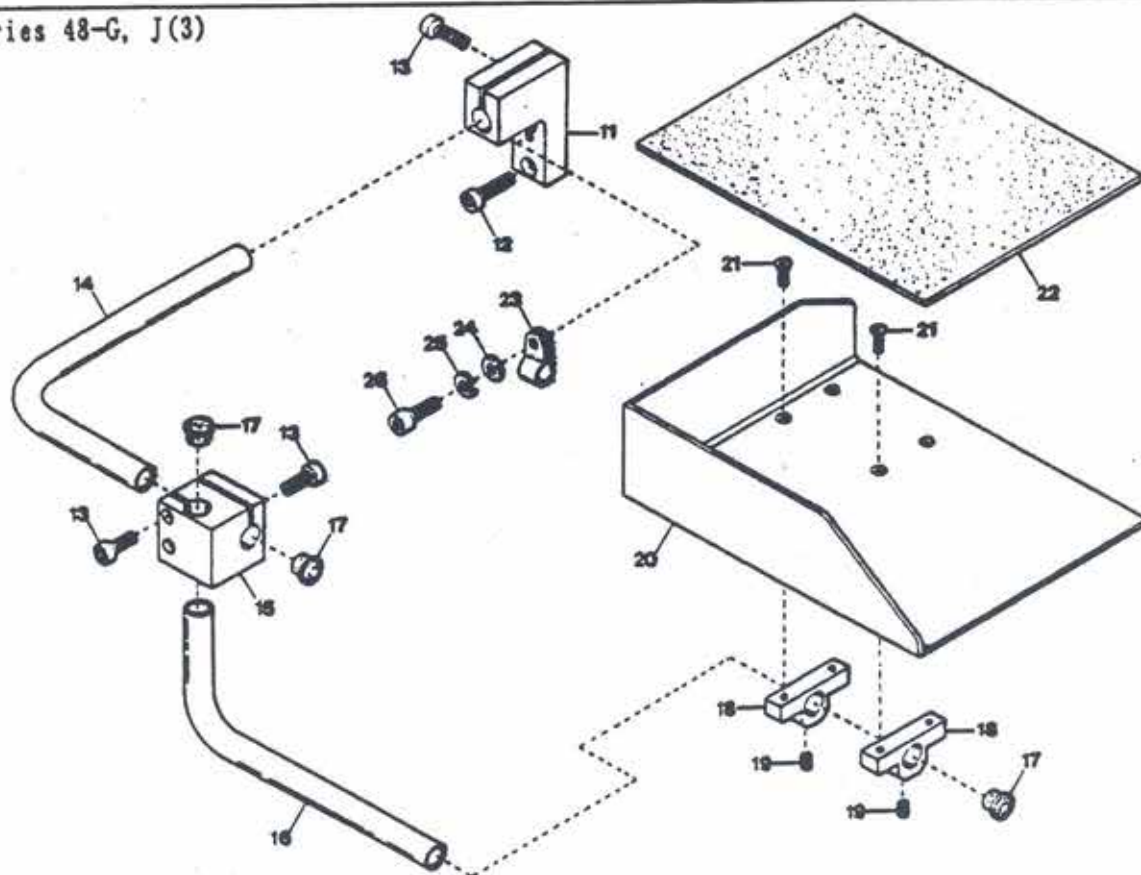
Det. No	Parts. No	Description
41	48-1125-5-300	Patch Space
42	48-1013-0-007	Screw(M4-0.7×10)
43	48-1125-5-299	Rubber
44	48-1125-6-142	Guide Bar Block
45	48-1000-9-903	Screw(M3-0.5×6)
46	48-1003-6-132	Retaining Ring
47	48-1125-6-143	Guide Bar
48	48-1125-6-146	Patch Press
49	48-1011-0-101	Screw(M3-0.5×3)
50	48-1125-6-147	Patch Press Lever
51	46-1016-0-000	Screw(M3-0.5×3)
52	46-1000-0-339	Nut
53	46-1000-6-638	Screw(5/32-40×9.5)
54	48-1008-1-721	Spring
55	48-1109-1-102	Cylinder(MS-6-NFS-16)
56	46-1000-0-623	Gasket
57	46-1001-0-258	Connector
58 *	46-1001-0-260	Air Tubing(4×2.5mm)
		* Specify Length.

Series 48-F, H and G, J(3)

Series 48-F, H(3)

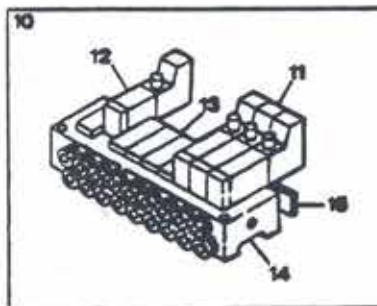
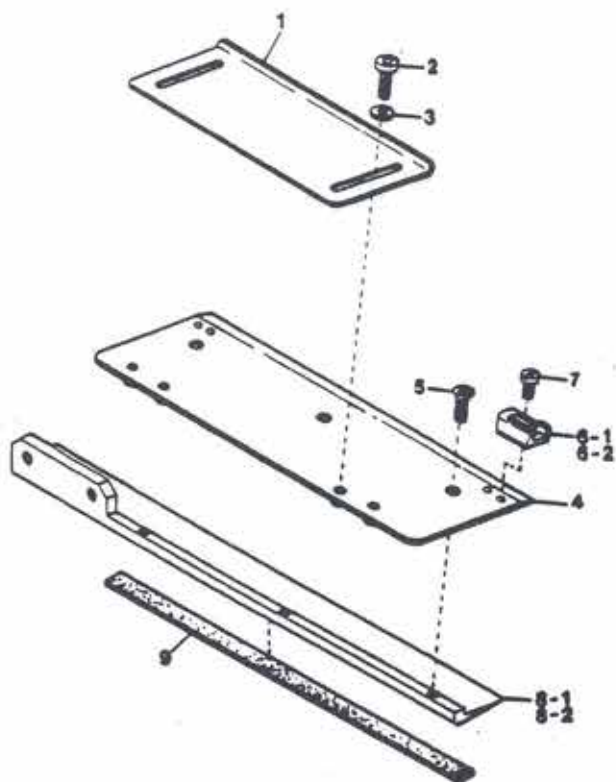


Series 48-G, J(3)

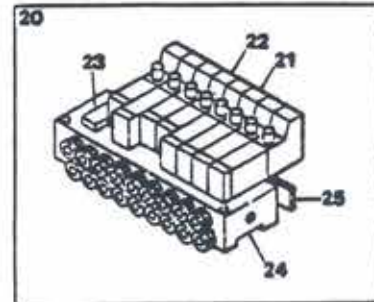
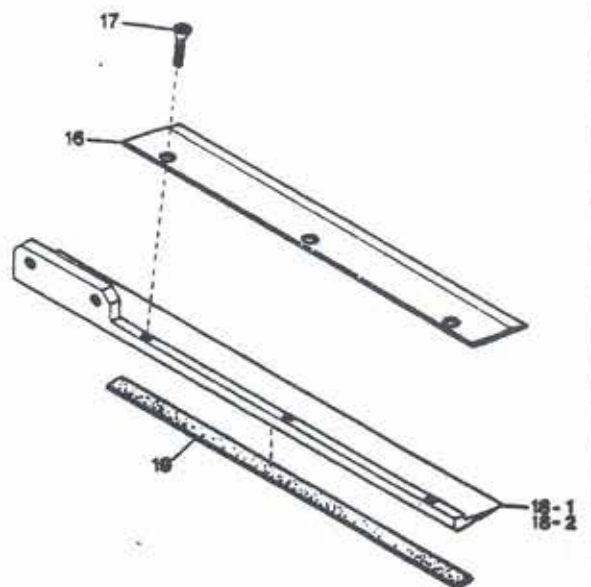


Det. No	Parts. No	Description
1	48-1125-5-798	Pipe Holder(Right)
2	46-1000-6-201	Screw(M6-1×50)
3	46-1000-9-980	Screw(M6-1×10)
4	46-1125-5-327	Fixing Pipe(3)
5	48-1125-5-293	Fixing Block
6	46-1000-3-662	Screw(M6-1×6)
7	48-1009-3-864	Pipe Cap
8	48-1125-5-310	Patch Tray(1)
9	48-1013-0-007	Screw(M4-0.7×10)
10	48-1125-5-301	Rubber
11	48-1125-5-800	Pipe Holder(Left)
12	46-1000-9-976	Screw(M6-1×15)
13	46-1000-9-977	Screw(M6-1×25)
14	48-1125-5-291	Fixing Pipe(1)
15	48-1125-5-802	Block
16	48-1125-5-292	Fixing Pipe(2)
17	48-1009-3-864	Pipe Cap
18	48-1125-5-293	Fixing Block
19	46-1000-3-662	Screw(M6-1×6)
20	48-1125-5-551	Patch Tray(2)
21	48-1013-0-007	Screw(M4-0.7×10)
22	48-1125-5-301	Rubber
23	46-1002-3-381	Cord Clamp(φ10.6-6N)
24	46-1000-0-665	Washer
25	46-1000-0-644	Spring Washer
26	46-1000-9-747	Screw(M4-0.7×10)

Series 48-F, G(4)

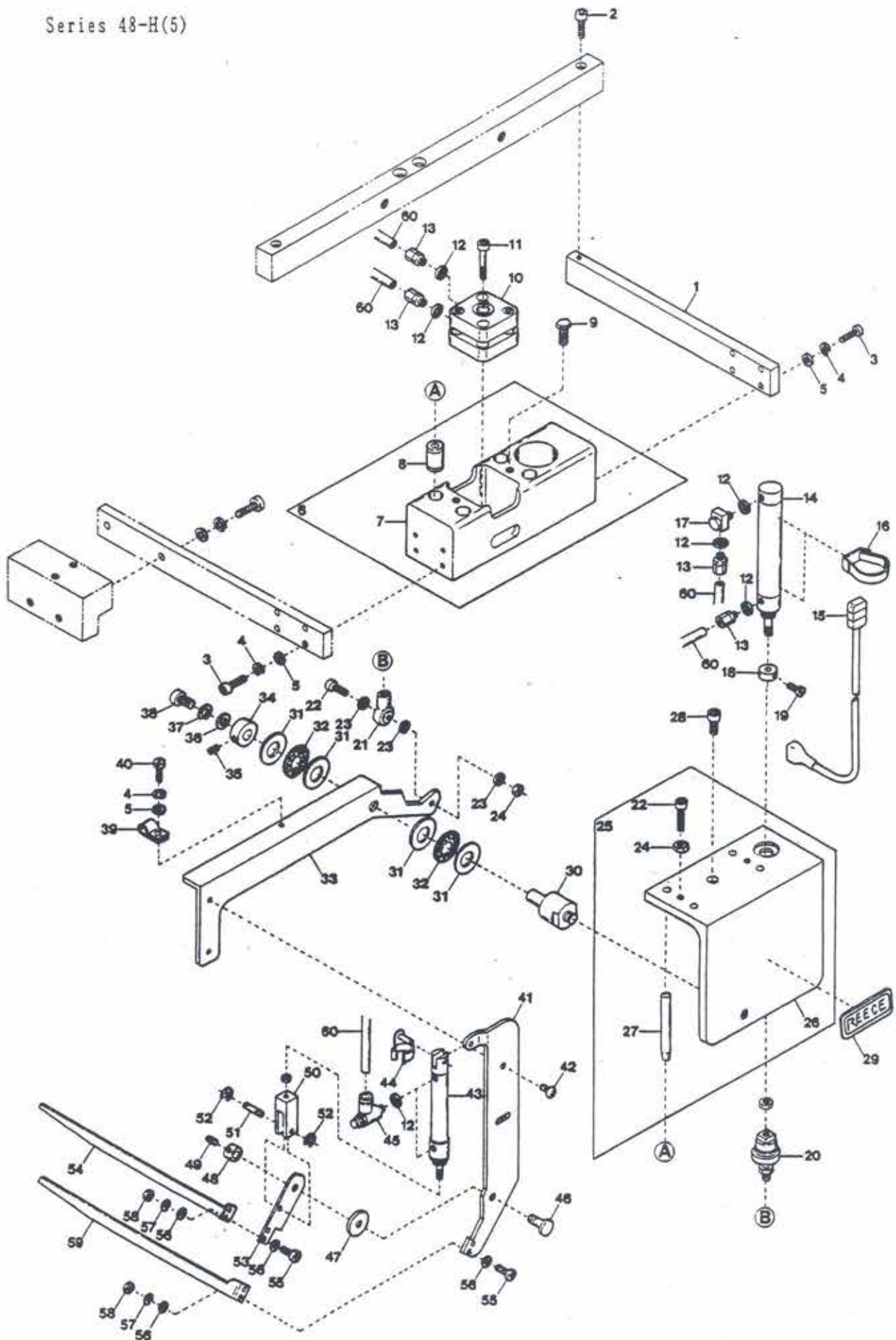


Series 48-H, J(4)



Det. No	Parts. No	Description
1	48-1125-5-746	Flap Gauge
2	46-1000-9-791	Screw(M3-0.5×6)
3	46-1000-0-014	Washer
4	48-1125-5-748	Cover Plate
5	46-1000-6-217	Screw(M3-0.5×5)
6-1	48-1125-5-296	Stop Guide(Right)
6-2	48-1125-5-297	" (Left)
7	48-1011-0-030	Screw(M3-0.5×2.6)
8-1	48-1125-5-743	Clamp Foot(Right)
8-2	48-1125-5-744	" (Left)
9	46-1001-4-589	Clamp Foot Rubber
10	48-1109-0-045	Pneumatic Valve, C. (9 Valves)
11	48-1109-0-035	Pneumatic Valve (5 Port)
12	48-1109-0-042	Pneumatic Valve (3 Port)
13	48-1109-0-037	Blind Cover
14	48-1109-0-040	Manifold(9 Valves)
15	48-1039-0-032	Sticker
16	48-1125-5-819	Brush Blade Guide
17	46-1000-6-217	Screw(M3-0.5×5)
18-1	48-1125-5-743	Clamp Foot(Right)
18-2	48-1125-5-744	" (Left)
19	46-1001-4-589	Clamp Foot Rubber
20	48-1109-0-043	Pneumatic Valve, C. (9 Valves)
21	48-1109-0-035	Pneumatic Valve (5 Port)
22	48-1109-0-042	Pneumatic Valve (3 Port)
23	48-1109-0-037	Blind Cover
24	48-1109-0-040	Manifold(9 Valves)
25	48-1039-0-032	Sticker

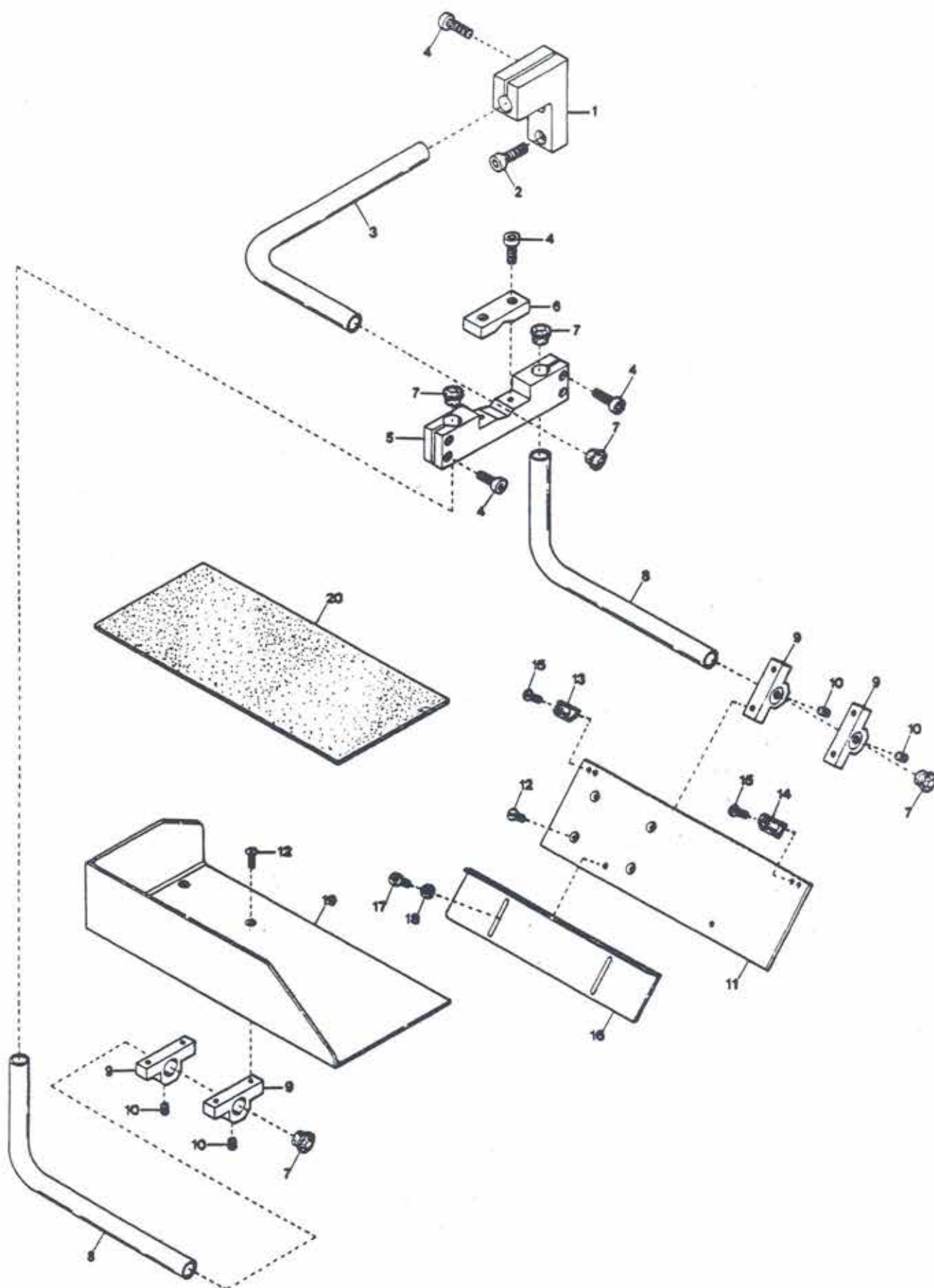
Series 48-H(5)



Det. No	Parts. No	Description
1	48-1125-5-357	Adjusting Plate(2)
2	46-1000-6-219	Screw(M4-0.7×30)
3	46-1000-9-749	Screw(M4-0.7×16)
4	46-1000-0-644	Spring Washer
5	46-1000-0-665	Washer
6	48-1125-5-384	Flap Loader Basement (Lower), Complete
7	48-1125-5-359	Flap Loader Basement (Lower)
8	46-1001-4-836	Slide Bearing
9	48-1019-0-006	Screw(M4-0.7×4)
10	48-1109-1-044	Cylinder(SPD-20×20)
11	46-1000-6-229	Screw(M5-0.8×40)
12	46-1000-0-623	Gasket
13	46-1001-0-258	Connector
14	48-1109-1-045	Cylinder (RMSS16ND×60)
15	48-1106-6-013	Sensing Switch
16	48-1109-8-006	Band
17	46-1001-0-019	L-Connector
18	48-1002-0-376	Collar
19	48-1000-1-202	Screw(9/64-40×6.6)
20	46-1001-4-840	Universal Joint
21	48-1410-0-149	Rod End
22	46-1000-9-935	Screw(M5-0.8×20)
23	46-1000-0-669	Washer
24	46-1000-0-009	Nut
25	48-1125-5-383	Flap Loader Basement (Upper), Complete
26	48-1125-5-358	Flap Loader Basement (Upper)
27	48-1125-5-360	Flap Loader Bar
28	46-1000-9-751	Screw(M5-0.8×10)
29	48-1039-0-039	Name Plate
30	48-1125-5-361	Flap Loader Pin
31	48-1003-2-848	Spacer
32	48-1003-2-849	Thrust Bearing
33	48-1125-5-362	Flap Loader Lever
34	48-1003-0-228	Collar
35	46-1000-7-650	Screw(11/64-40×5)
36	46-1000-0-663	Washer
37	46-1000-0-667	Spring Washer
38	46-1000-6-210	Screw(M6-1×12)
39	48-1006-3-612	Cord Clamp(φ 6.8-4N)
40	46-1000-9-747	Screw(M4-0.7×10)

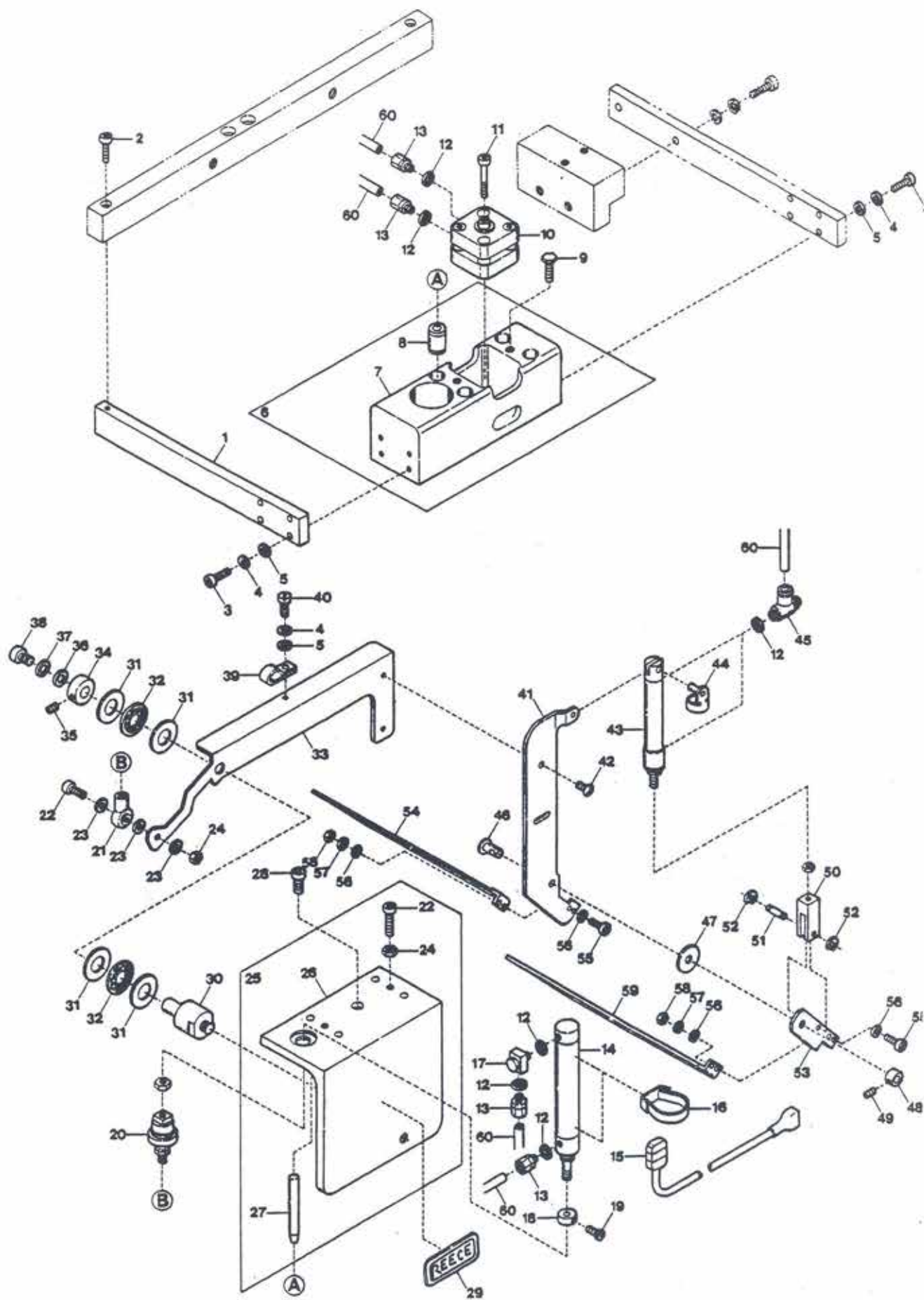
Det. No	Parts. No	Description
41	48-1125-5-364	Flap Loader Arm (Lower)
42	46-1000-9-770	Screw(M4-0.7×8)
43	48-1001-0-327	Cylinder(MS-10-PD-30)
44	46-1125-5-174	Connecting Pin
45	48-1109-5-002	Speed Control
46	48-1125-5-365	Pin
47	48-1000-0-605	Spacer
48	48-1003-4-505	Collar
49	48-1000-1-459	Screw(9/64-40×3)
50	48-1125-5-368	Y-Knuckle
51	48-1125-5-556	Pin
52	48-1003-4-293	Retaining Ring
53	48-1125-5-363	Flap Loader Arm (Upper)
54	48-1125-5-366	Flap Clamp(2)
55	46-1000-9-744	Screw(M3-0.5×10)
56	46-1000-0-014	Washer
57	46-1000-0-002	Spring Washer
58	46-1000-0-012	Nut
59	48-1125-5-367	Flap Clamp(1)
60 *	46-1001-0-260	Air Tubing(4×2.5mm)
		* Specify Length.

Series 48-H(6)



Det. No	Parts. No	Description
1	48-1125-5-800	Pipe Holder(Left)
2	46-1000-9-976	Screw(M6-1×15)
3	48-1125-5-291	Fixing Pipe(1)
4	46-1000-9-977	Screw(M6-1×25)
5	48-1125-5-962	Block(Large)
6	48-1125-5-963	Block(Small)
7	48-1009-3-864	Pipe Cap
8	48-1125-5-292	Fixing Pipe(2)
9	48-1125-5-293	Fixing Block
10	46-1000-3-662	Screw(M6-1×6)
11	48-1125-5-909	Flap Space
12	48-1013-0-007	Screw(M4-0.7×10)
13	48-1125-5-296	Stop(Right)
14	48-1125-5-297	Stop(Left)
15	46-1000-9-995	Screw(M3-0.5×5)
16	48-1125-5-295	Flap Guide
17	46-1000-9-791	Screw(M3-0.5×6)
18	46-1000-0-014	Washer
19	48-1125-5-298	Flap Tray
20	48-1125-5-302	Rubber

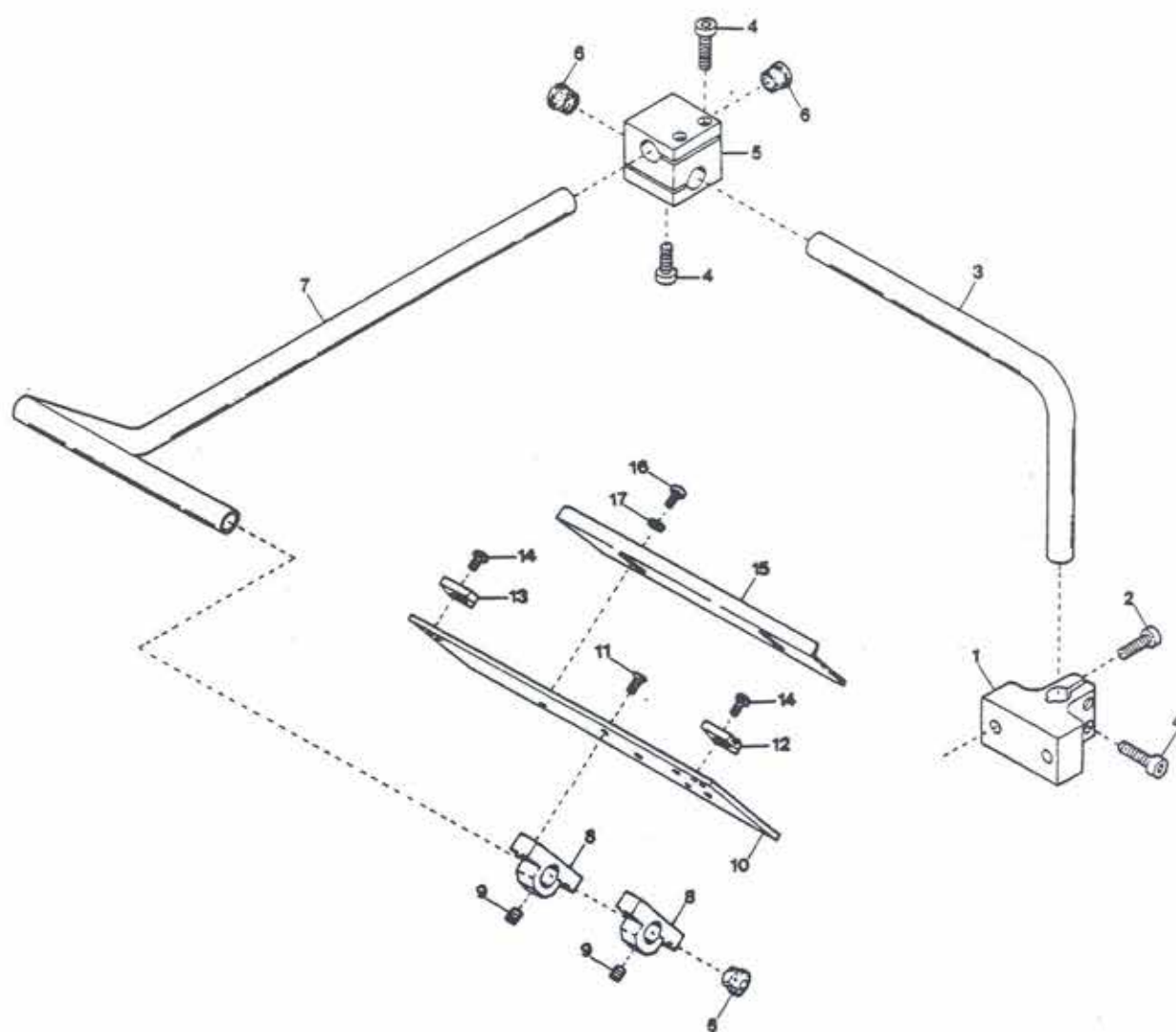
Series 48-J(5)



Det. No	Parts. No	Description
1	48-1125-5-357	Adjusting Plate(2)
2	46-1000-6-219	Screw(M4-0.7×30)
3	46-1000-9-749	Screw(M4-0.7×16)
4	46-1000-0-644	Spring Washer
5	46-1000-0-665	Washer
6	48-1125-5-384	Flap Loader Basement (Lower), Complete
7	48-1125-5-359	Flap Loader Basement (Lower)
8	46-1001-4-836	Slide Bearing
9	48-1019-0-006	Screw(M4-0.7×4)
10	48-1109-1-044	Cylinder(SPD-20×20)
11	46-1000-6-229	Screw(M5-0.8×40)
12	46-1000-0-623	Gasket
13	46-1001-0-258	Connector
14	48-1109-1-045	Cylinder (RMSS16ND×60)
15	48-1106-6-013	Sensing Switch
16	48-1109-8-006	Band
17	46-1001-0-019	L-Connector
18	48-1002-0-376	Collar
19	48-1000-1-202	Screw(9/64-40×6.6)
20	46-1001-4-840	Universal Joint
21	48-1410-0-149	Rod End
22	46-1000-9-935	Screw(M5-0.8×20)
23	46-1000-0-669	Washer
24	46-1000-0-009	Nut
25	48-1125-5-383	Flap Loader Basement (Upper), Complete
26	48-1125-5-550	Flap Loader Basement (Upper)
27	48-1125-5-360	Flap Loader Bar
28	46-1000-9-751	Screw(M5-0.8×10)
29	48-1039-0-039	Name Plate
30	48-1125-5-361	Flap Loader Pin
31	48-1003-2-848	Spacer
32	48-1003-2-849	Thrust Bearing
33	48-1125-5-549	Flap Loader Lever
34	48-1003-0-228	Collar
35	46-1000-7-650	Screw(11/64-40×5)
36	46-1000-0-663	Washer
37	46-1000-0-667	Spring Washer
38	46-1000-6-210	Screw(M6-1×12)
39	48-1006-3-612	Cord Clamp(φ 6.8-4N)
40	46-1000-9-747	Screw(M4-0.7×10)

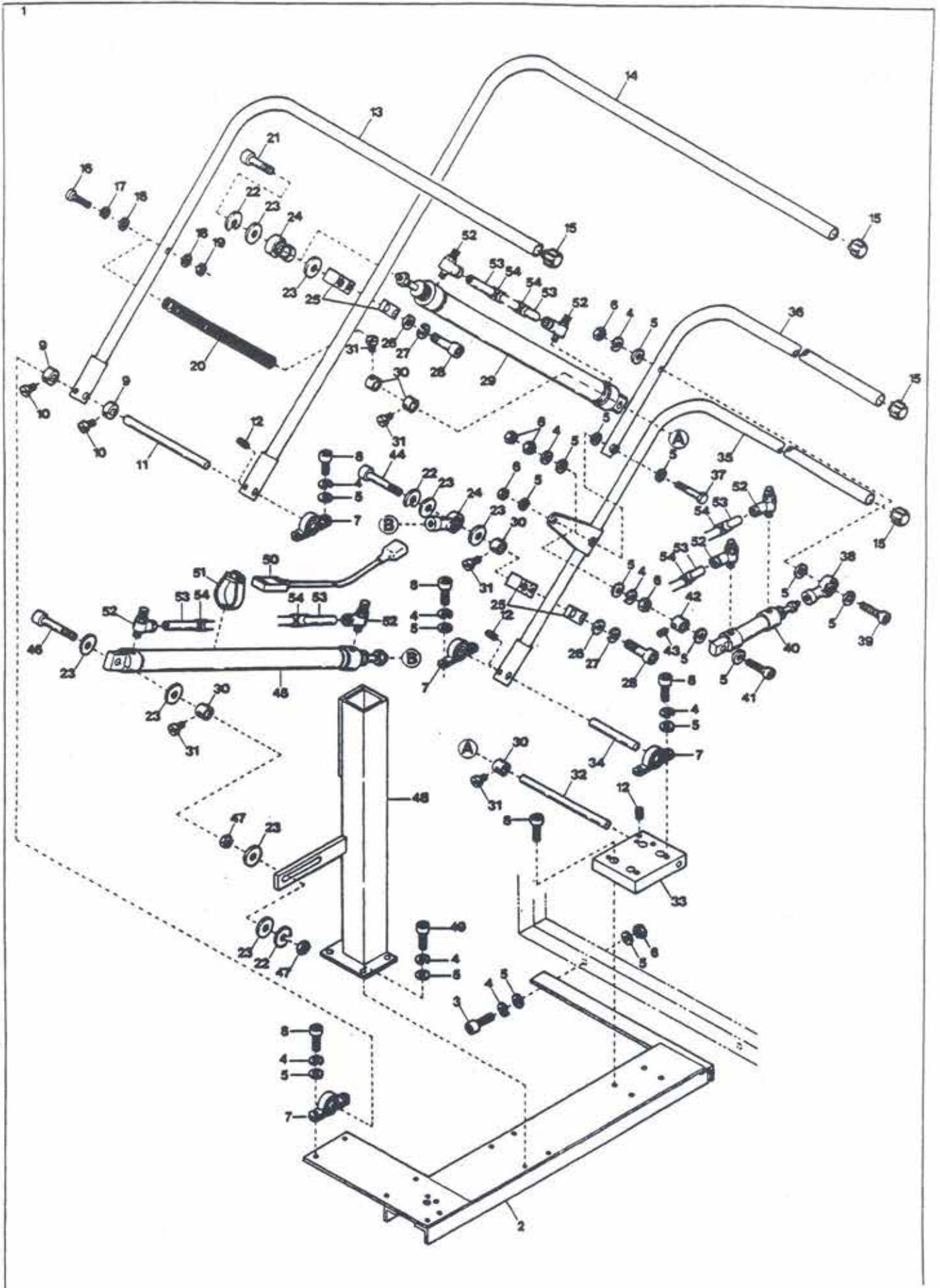
Det. No	Parts. No	Description
41	48-1125-5-364	Flap Loader Arm (Lower)
42	46-1000-9-770	Screw(M4-0.7×8)
43	48-1001-0-327	Cylinder(MS-10-PD-3)
44	46-1125-5-174	Connecting Pin
45	48-1109-5-002	Speed Control
46	48-1125-5-365	Pin
47	48-1000-0-605	Spacer
48	48-1003-4-505	Collar
49	48-1000-1-459	Screw(9/64-40×3)
50	48-1125-5-368	Y-Knuckle
51	48-1125-5-556	Pin
52	48-1003-4-293	Retaining Ring
53	48-1125-5-363	Flap Loader Arm (Upper)
54	48-1125-5-366	Flap Clamp(2)
55	46-1000-9-744	Screw(M3-0.5×10)
56	46-1000-0-014	Washer
57	46-1000-0-002	Spring Washer
58	46-1000-0-012	Nut
59	48-1125-5-367	Flap Clamp(1)
60 *	46-1001-0-260	Air Tubing(4×2.5mm)
		* Specify Length.

Series 48-J(6)



Det. No	Parts. No	Description
1	48-1125-5-798	Pipe Holder(Right)
2	46-1000-6-201	Screw(M6-1×50)
3	48-1125-5-291	Fixing Pipe(1)
4	46-1000-9-970	Screw(M6-1×20)
5	48-1125-5-802	Block
6	48-1009-3-864	Pipe Cap
7	48-1125-5-548	Fixing Pipe(3) (Patch=Left)
8	48-1125-5-293	Fixing Block
9	46-1000-3-662	Screw(M6-1×6)
10	48-1125-5-909	Flap Space
11	48-1013-0-007	Screw(M4-0.7×10)
12	48-1125-5-296	Stop(Right)
13	48-1125-5-297	Stop(Left)
14	46-1000-9-995	Screw(M3-0.5×5)
15	48-1125-5-295	Flap Guide
16	46-1000-9-791	Screw(M3-0.5×6)
17	46-1000-0-014	Washer

COAT STACKER(1)

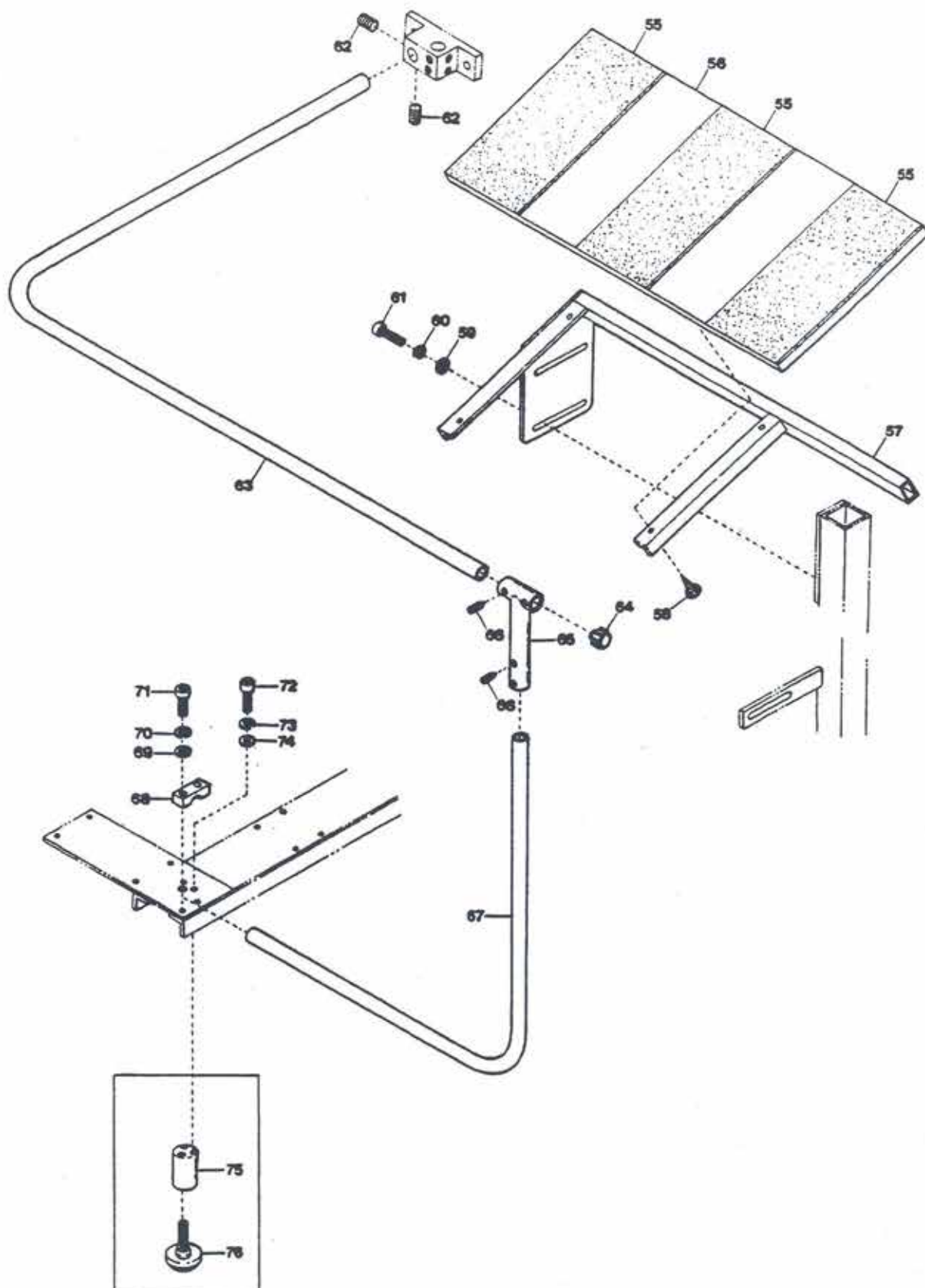


Det. No	Parts. No	Description
1	48-1125-5-701	Stacker, Complete
2	48-1125-5-541	Stacker Base
3	46-1000-9-759	Screw(M8-1.25×55)
4	46-1000-0-676	Spring Washer
5	46-1000-0-666	Washer
6	46-1000-0-145	Nut
7	46-1001-4-758	Shaft Bearing
8	46-1000-9-936	Screw(M8-1.25×20)
9	46-1001-4-356	Collar
10	46-1000-6-212	Screw(M5-0.8×6)
11	46-1001-4-871	Shaft(12×190mm)
12	46-1000-3-662	Screw(M6-1×6)
13	48-1125-5-536	Cloth Press Bar
14	46-1001-4-946	Cloth Carrier
15	46-1001-4-580	Pipe Cap
16	46-1000-9-806	Screw(M5-0.8×25)
17	46-1000-0-600	Spring Washer
18	46-1000-0-669	Washer
19	46-1000-0-009	Nut
20	46-1001-4-108	Spring
21	46-1000-9-760	Screw(M10-1.5×35)
22	46-1000-0-439	Spring Washer
23	46-1000-0-432	Washer
24	46-1001-4-401	Rod End
25	46-1001-4-942	Cylinder Holder
26	46-1000-0-663	Washer
27	46-1000-0-667	Spring Washer
28	46-1000-9-754	Screw(M6-1×35)
29	46-1109-1-077	Cylinder(REMD-SD-32 ×250T1102)
30	46-1003-2-719	Collar

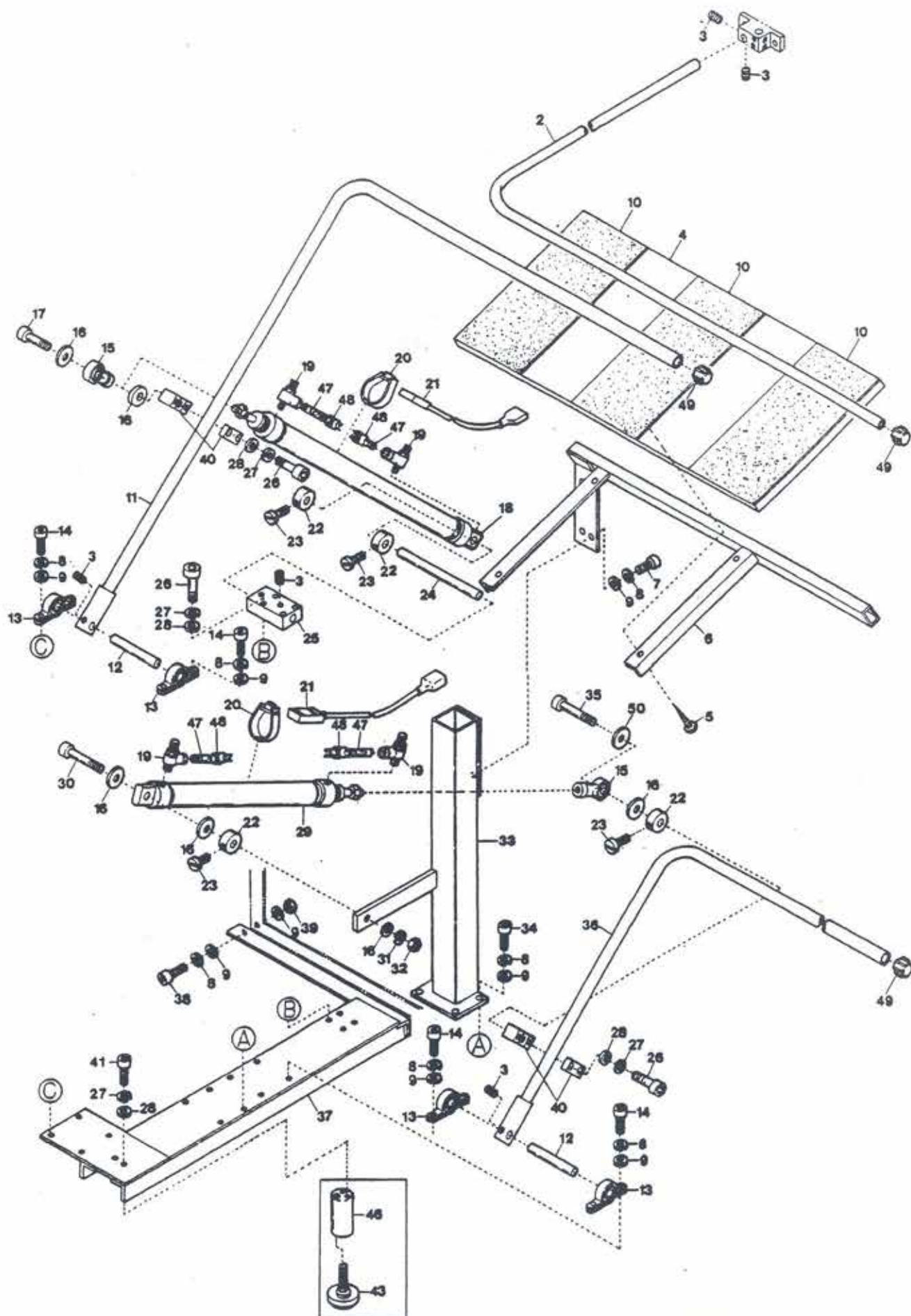
Det. No	Parts. No	Description
31	46-1000-4-351	Screw(9/64-40×7)
32	48-1125-5-537	Shaft(10×195mm)
33	48-1125-5-538	Shaft Holder
34	46-1001-4-884	Shaft(12×100mm)
35	48-1125-5-532	Cloth Clamp
36	48-1125-5-534	Sub-Cloth Clamp
37	48-1012-0-032	Screw(M8-1.25×80)
38	46-1001-4-402	Rod End
39	46-1000-6-220	Screw(M8-1.25×40)
40	48-1109-1-047	Cylinder(REMD 20×50)
41	46-1000-9-978	Screw(M8-1.25×50)
42	46-1007-7-296	Collar
43	46-1000-7-650	Screw(11/64-40×5)
44	46-1000-6-208	Screw(M10-1.5×40)
45	46-1109-1-078	Cylinder(REMD-SD-32 ×100T1102)
46	46-1000-9-761	Screw(M10-1.5×55)
47	46-1000-0-260	Nut
48	48-1125-5-543	Stacker Support
49	46-1000-9-758	Screw(M8-1.25×30)
50	48-1106-6-013	Sensing Switch
51	46-1109-8-007	Band
52	46-1001-0-254	Speed Control
53 *	46-1001-0-260	Air Tubing(4×2.5mm)
54-1	46-1001-1-095	Marked(1)
54-2	46-1001-1-096	" (2)
54-3	46-1001-1-097	" (3)
54-4	46-1001-1-098	" (4)
54-5	48-1039-0-033	" (5)
54-6	48-1039-0-034	" (6)

* Specify Length.

Note : Ref. No. 1(Part No. 48-1125-5-701) includes Parts(Ref. No. 2~54) and Parts on the next page(Ref. No. 55~76).

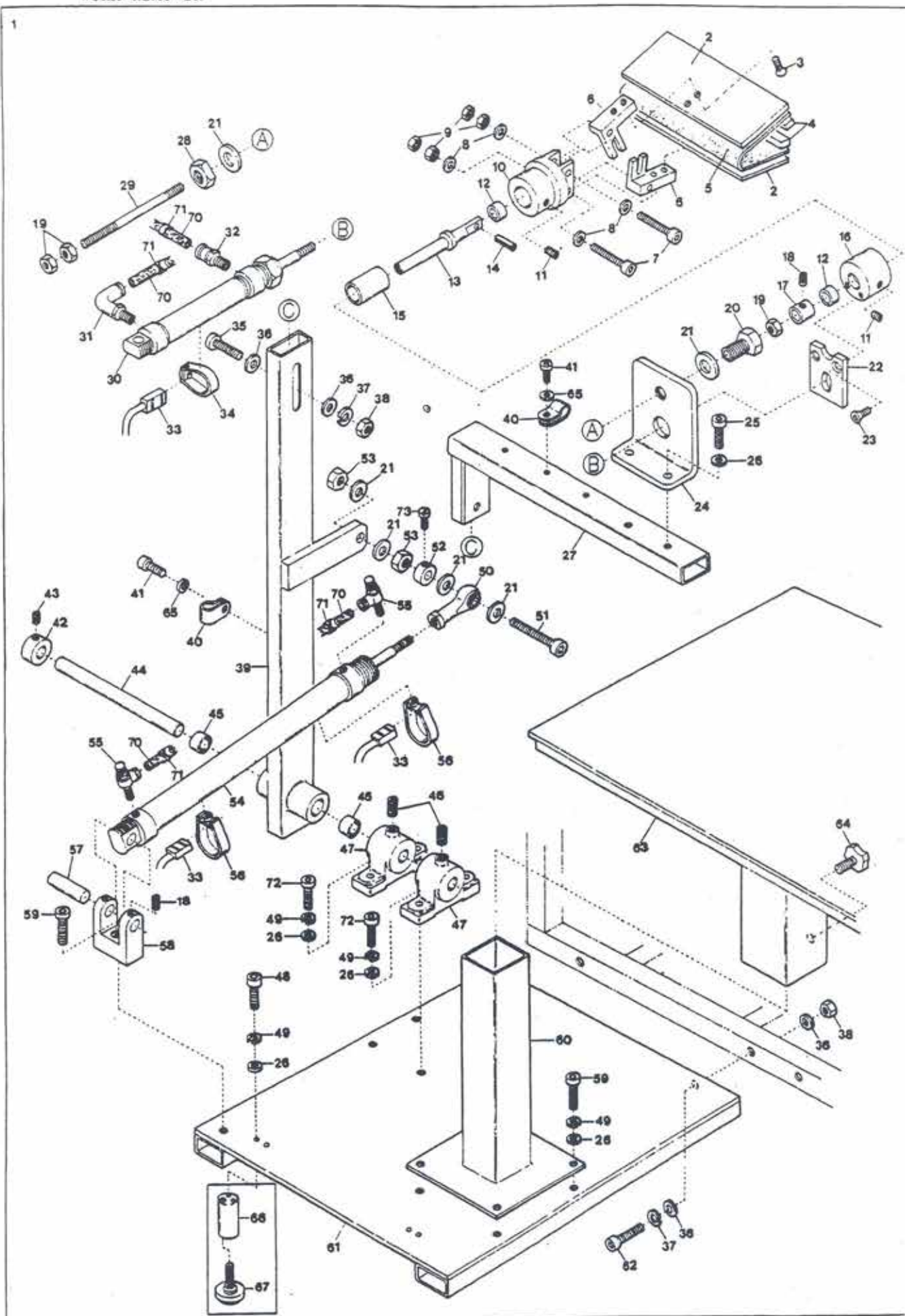


Det. No	Parts. No	Description
55	46-1125-5-703	Rubber
56	46-1001-4-885	Table
57	48-1125-5-542	Table Holder
58	46-1000-6-905	Wood Screw($\phi 5.1 \times 20$)
59	46-1000-0-666	Washer
60	46-1000-0-676	Spring Washer
61	46-1000-9-936	Screw(M8-1.25 $\times$ 20)
62	46-1000-3-662	Screw(M6-1 $\times$ 6)
63	46-1001-4-887	Guard
64	46-1001-4-580	Pipe Cap
65	48-1125-5-539	Guard Stay
66	46-1000-3-659	Screw(M5-0.8 $\times$ 5)
67	48-1125-5-540	Guard Stay Bar
68	46-1001-4-942	Cylinder Holder
69	46-1000-0-669	Washer
70	46-1000-0-600	Spring Washer
71	46-1000-6-229	Screw(M5-0.8 $\times$ 40)
72	46-1000-9-970	Screw(M6-1 $\times$ 20)
73	46-1000-0-667	Spring Washer
74	46-1000-0-663	Washer
75	46-1001-4-809	Holder(50mm)
76	46-1001-4-724	Adjustable Foot



Det. No	Parts. No	Description
1	48-1125-5-985	Stacker, Complete
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(φ5.1×20)
6	46-1001-4-889	Table Holder
7	46-1000-9-936	Screw(M8-1.25×20)
8	46-1000-0-676	Spring Washer
9	46-1000-0-666	Washer
10	46-1125-5-703	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	46-1109-1-077	Cylinder (REMD-SD-32×250)
19	46-1001-0-254	Speed Control
20	46-1109-8-007	Band
21	48-1106-6-013	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	46-1000-9-753	Screw(M6-1×30)
27	46-1000-0-667	Spring Washer
28	46-1000-0-663	Washer
29	46-1109-1-078	Cylinder (REMD-SD-32×100)
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	Cloth Arm
37	46-1001-4-890	Stacker Base
38	46-1000-9-759	Screw(M8-1.25×55)
39	46-1000-0-016	Nut
40	46-1001-4-942	Cylinder Holder

Det. No	Parts. No	Description
41	46-1000-9-970	Screw(M6-1×20)
42	.....	.....
43	46-1001-4-724	Adjusting Foot
44	.....	.....
45	.....	.....
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)
49	46-1001-4-580	Pipe Cap
50	46-1000-0-425	Washer
		* Specify Length.

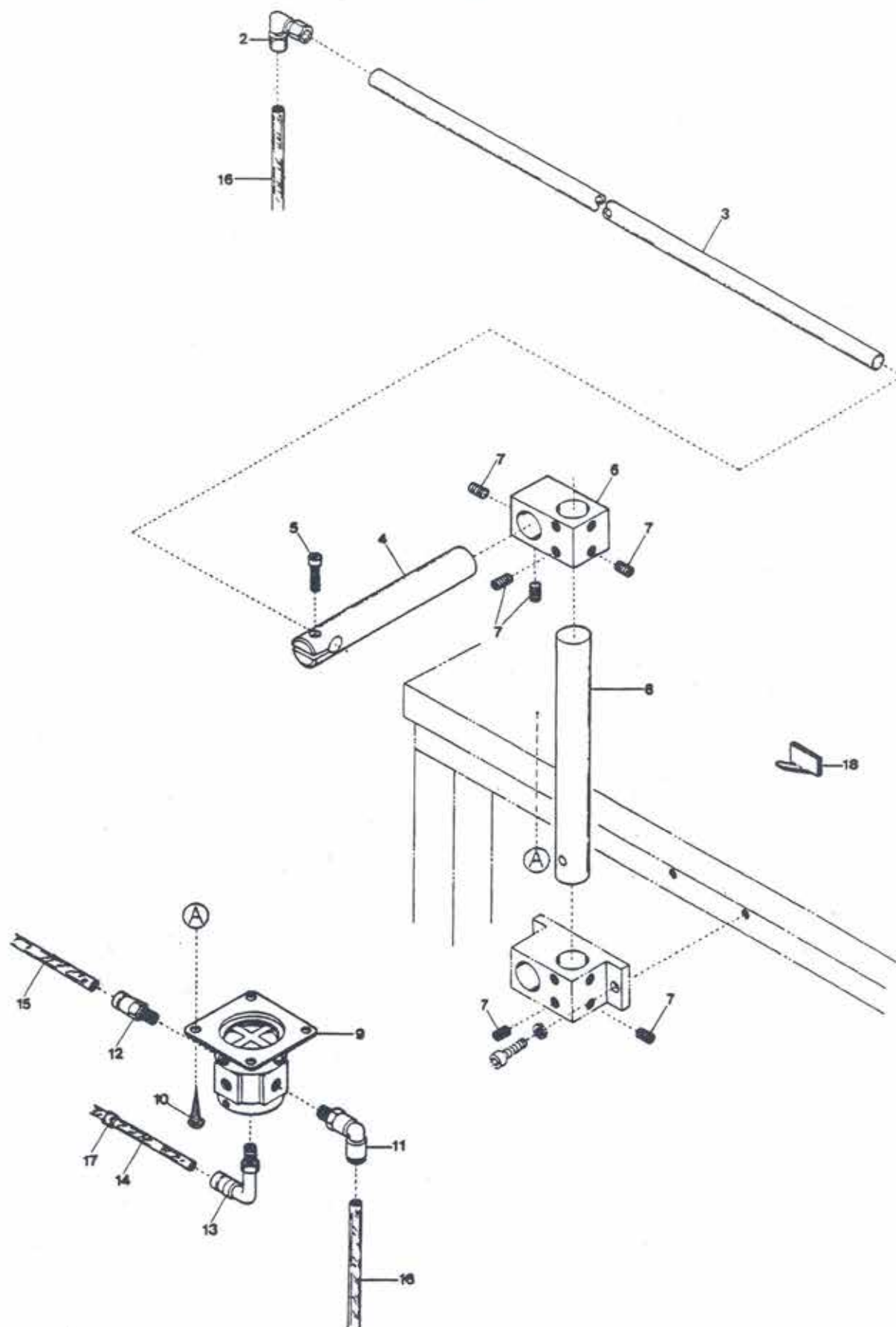


Det. No	Parts. No	Description
1	48-1125-5-898	Remover, Complete
2	46-1001-4-858	Cloth Clamp Plate
3	46-1000-9-776	Screw(M4-0.7×10)
4	46-1001-4-928	Rubber
5	46-1001-4-929	Clamp Plate Rubber
6	46-1001-4-856	Clamp Plate Bracket
7	46-1000-9-800	Screw(M3-0.5×30)
8	46-1000-0-014	Washer
9	46-1000-0-012	Nut
10	46-1001-4-874	Shaft Holder(Front)
11	46-1000-3-662	Screw(M6-1×6)
12	46-1001-4-867	Bushing
13	46-1001-4-863	Shaft
14	46-1000-0-037	Pin
15	46-1001-4-866	Bushing
16	46-1001-4-865	Shaft Holder(Rear)
17	46-1001-4-869	Collar
18	46-1016-0-001	Screw(M4-0.7×4)
19	46-1000-0-011	Nut
20	46-1000-6-199	Screw(M10-1.5×20)
21	46-1000-0-432	Washer
22	46-1001-4-870	Cylinder Guide Plate
23	46-1000-9-775	Screw(M3-0.5×10)
24	46-1001-4-864	Cylinder Support
25	46-1000-9-754	Screw(M6-1×35)
26	46-1000-0-663	Washer
27	46-1001-4-876	Arm(Upper)
28	46-1000-0-054	Nut
29	46-1001-4-868	Connecting Shaft
30	46-1001-0-296	Cylinder (REMD-SD-20×70)
31	46-1001-0-057	Elbow Connector (φ 4-1/8)
32	46-1001-0-055	Connector(φ 4-1/8)
33	48-1106-6-013	Sensing Switch
34	46-1001-0-301	Band
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	46-1003-6-133	Cord Clamp(φ 8.4-5N)

Det. No	Parts. No	Description
41	46-1000-9-746	Screw(M4-0.7×8)
42	46-1001-4-356	Collar
43	46-1000-6-212	Screw(M5-0.8×6)
44	46-1001-4-871	Shaft
45	46-1001-4-654	Bushing
46	46-1000-3-655	Screw(M4-0.7×10)
47	46-1001-4-861	Shaft Bearing
48	46-1000-9-970	Screw(M6-1×20)
49	46-1000-0-667	Spring Washer
50	46-1001-4-401	Rod End
51	46-1000-9-761	Screw(M10-1.5×55)
52	46-1003-2-719	Collar
53	46-1000-0-260	Nut
54	46-1109-1-079	Cylinder (REMD-SD-32×150)
55	46-1001-0-254	Speed Control
56	46-1109-8-007	Band
57	46-1001-4-872	Cylinder Pin
58	46-1001-4-850	Cylinder Holder
59	46-1000-9-976	Screw(M6-1×15)
60	46-1001-4-873	Table Support
61	46-1001-4-878	Remover Basement
62	46-1000-9-759	Screw(M8-1.25×55)
63	46-1001-4-875	Table
64	46-1001-4-914	Knob
65	46-1000-0-665	Washer
66	46-1001-4-809	Holder(50mm)
67	46-1001-4-724	Adjustable Foot
68	.....	.....
69	.....	.....
70 *	46-1001-0-260	Air Tubing(4×2.5mm)
71-1	46-1001-1-095	Marked(1)
71-2	46-1001-1-096	" (2)
71-3	46-1001-1-097	" (3)
71-4	46-1001-1-098	" (4)
72	46-1000-9-977	Screw(M6-1×25)
73	46-1000-4-351	Screw(9/64-40×7)
		* Specify Length.

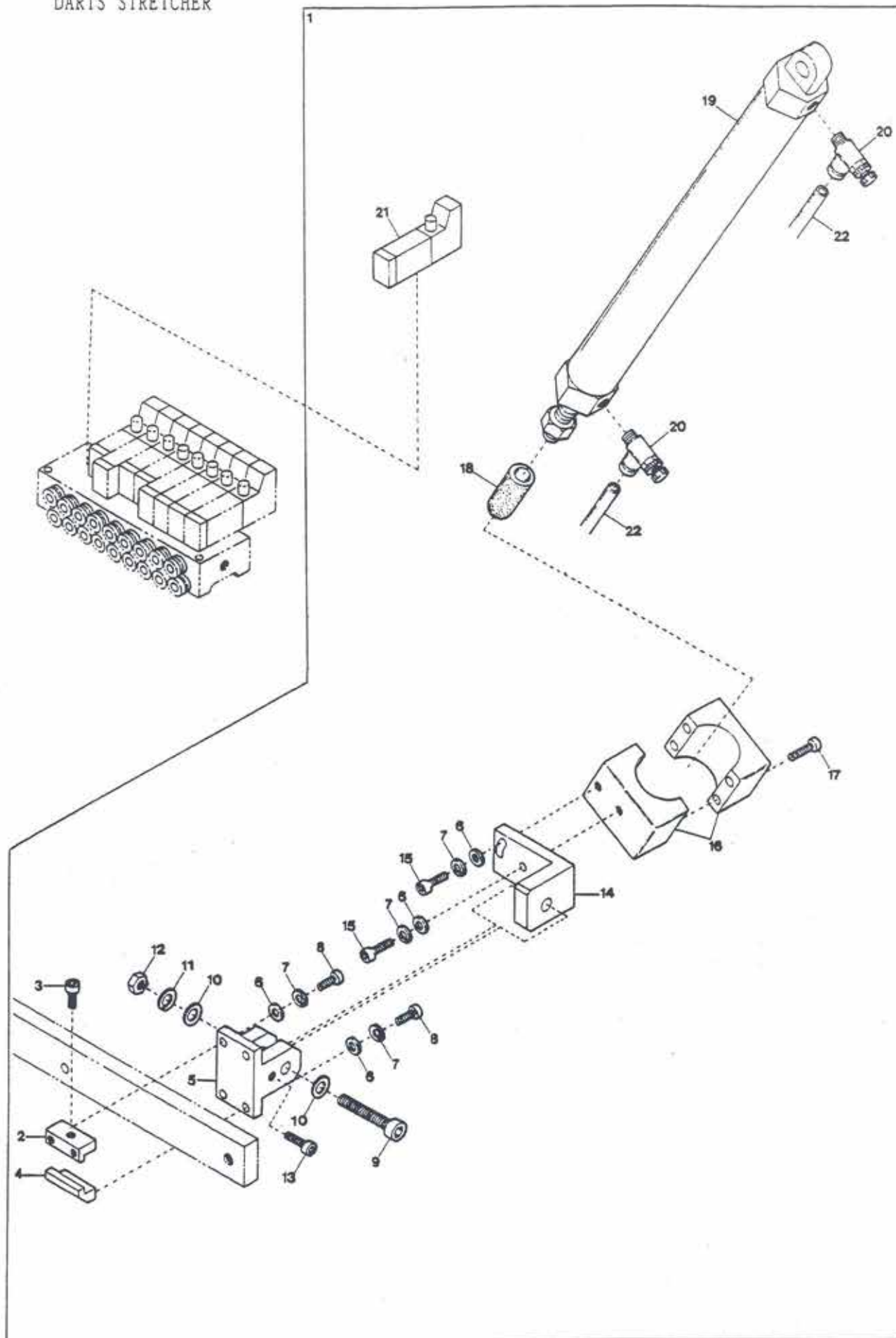
TROUSER AIR EJECTOR

1



Det. No	Parts. No	Description
1	46-1001-4-947	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	46-1001-0-269	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	Marked(1)
18	46-1003-5-767	Cord Stay
		* Specify Length.

DARTS STRETCHER



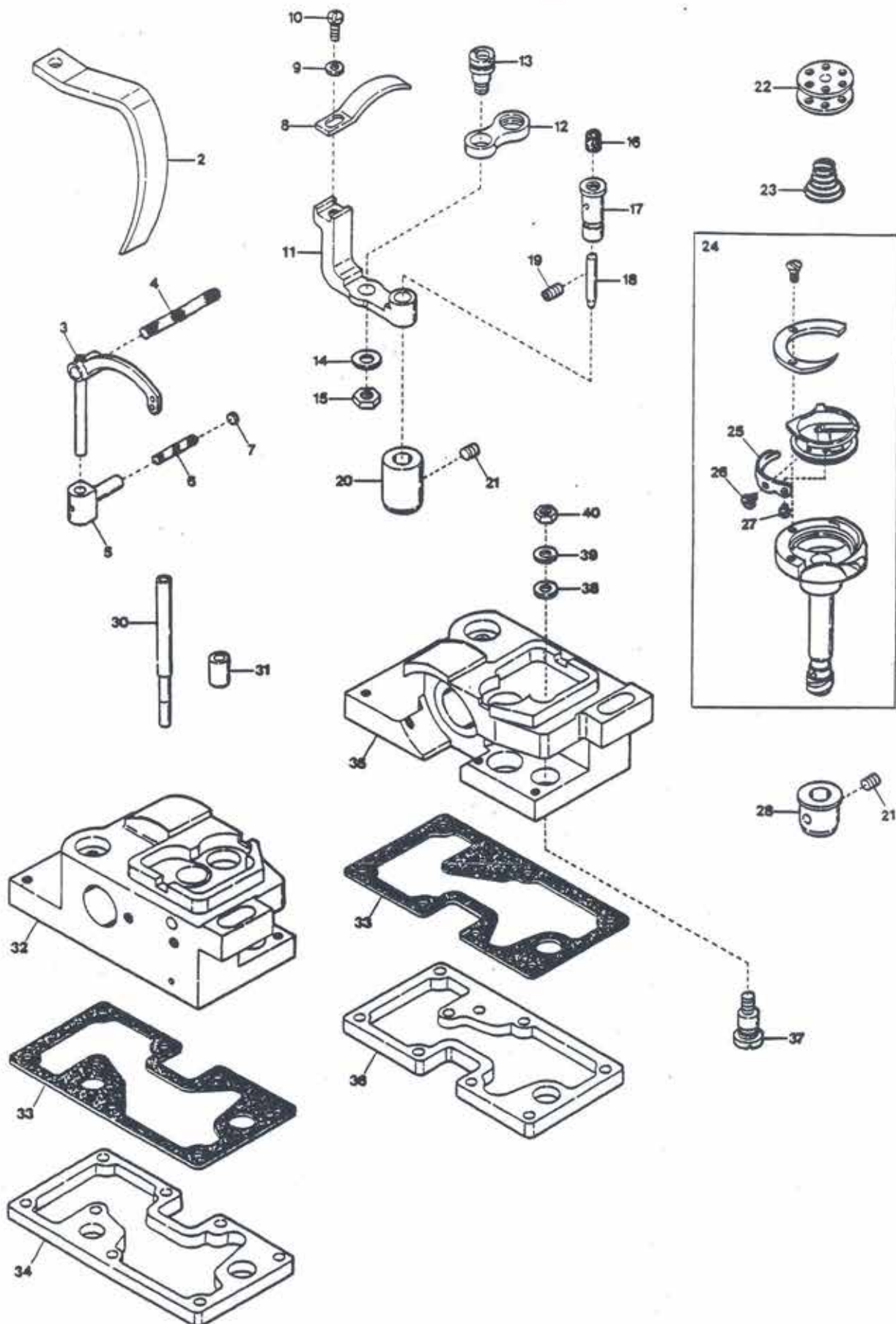
DARTS STRETCHER

40

Det. No	Parts. No	Description
1	48-1125-5-884	Darts Stretcher, C.
2	46-1001-4-531	Block(Upper)
3	46-1000-9-752	Screw(M5-0.8×15)
4	46-1001-4-532	Block(Lower)
5	48-1125-5-882	Fixing Block
6	46-1000-0-665	Washer
7	46-1000-0-644	Spring Washer
8	46-1000-9-748	Screw(M4-0.7×12)
9	46-1000-9-754	Screw(M6-1×35)
10	46-1000-0-663	Washer
11	46-1000-0-667	Spring Washer
12	46-1000-0-011	Nut
13	46-1000-9-747	Screw(M4-0.7×10)
14	48-1125-5-881	Rocker Bracket
15	48-1012-0-024	Screw(M4-0.7×14)
16	48-1125-5-880	Cylinder Holder
17	46-1000-9-749	Screw(M4-0.7×16)
18	48-1125-5-883	Fabric Press Rubber
19	48-1109-1-083	Cylinder(M20-PD-240)
20	46-1001-0-254	Speed Control
21	48-1109-0-035	Pneumatic Valve (5 Port)
22 *	46-1001-0-260	Air Tubing(4×2.5mm)
		* Specify Length.

LARGE BOBBIN

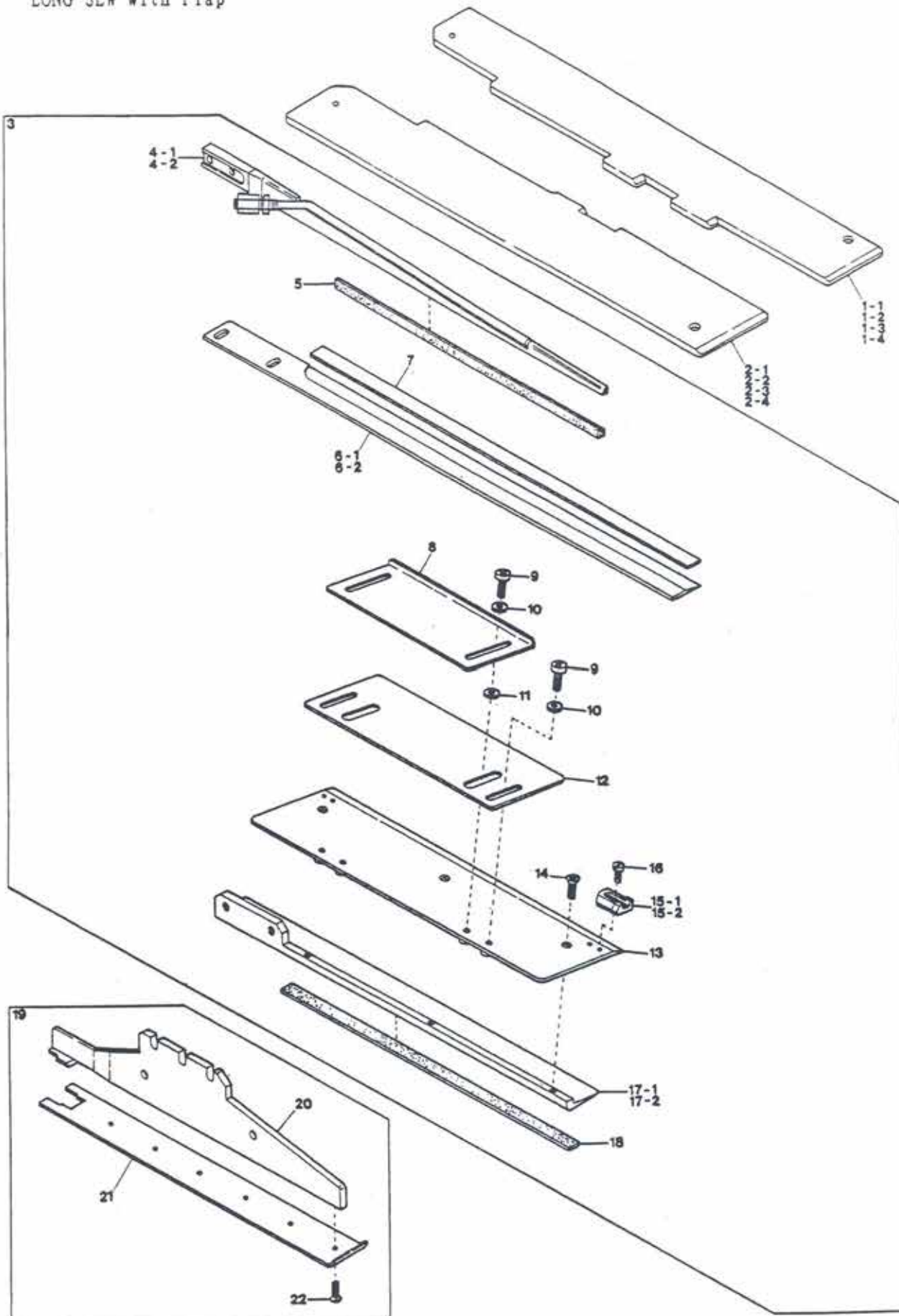
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LARGE BOBBIN ASSOCIATE PARTS

Det. No	Parts. No	Description
1	48-1125-5-986	Large Bobbin, C.
2	48-1900-0-031	Thread Take-up Cover
3	48-1900-0-037	Thread Take-up
4	48-1000-8-269	Wick
5	48-1900-0-038	Thread Take-up Lever Slide Block
6	48-1000-8-272	Wick
7	46-1001-5-030	Pusher
8	48-1900-0-064	Bobbin Case Opener
9	46-1000-8-207	Screw(3.57-40×8)
10	48-1093-0-001	Washer
11	48-1900-0-062	Opener Crank
12	48-1900-0-061	Opener Link
13	46-1001-5-071	Link Stud Opener
14	46-1000-8-258	Washer(4.76)
15	48-1093-0-000	Nut
16	46-1000-8-280	Felt
17	48-1900-0-063	Opener Crank Stud
18	46-1001-5-073	Pipe
19	46-1000-8-241	Screw(4.76)
20	48-1900-0-057	Rotary Hook Shaft Bushing(Lower)
21	46-1000-8-240	Screw(4.76)
22	48-1125-5-580	Bobbin
23	48-1900-0-094	Anti-Over-Run Spring
24	48-1125-5-987	Outer Rotary Hook Assembly
25	48-1900-0-060	Tension Adjusting Spring
26	46-1000-8-209	Tension Adjusting Screw
27	46-1000-8-210	Screw
28	48-1900-0-058	Rotary Hook Shaft Bushing (Upper)
29		
30	48-1900-0-088	Oil Gauge
31	46-1001-5-086	Oil Pipe
32	48-1900-0-056	Rotary Hook Base (Left)
33	48-1901-5-083	Packing
34	46-1001-5-084	Oil Reservoir(Left)
35	48-1900-0-066	Rotary Hook Base (Right)
36	46-1001-5-088	Oil Reservoir(Right)
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)

LONG SEW with Flap

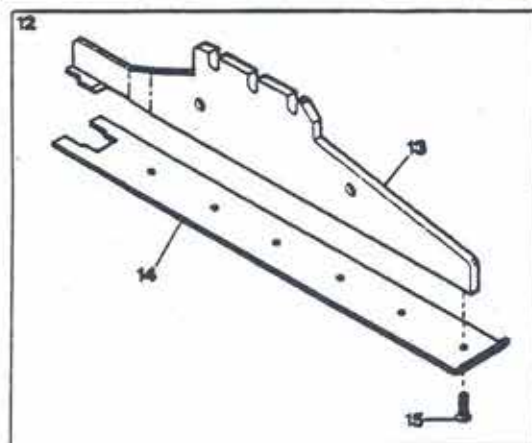
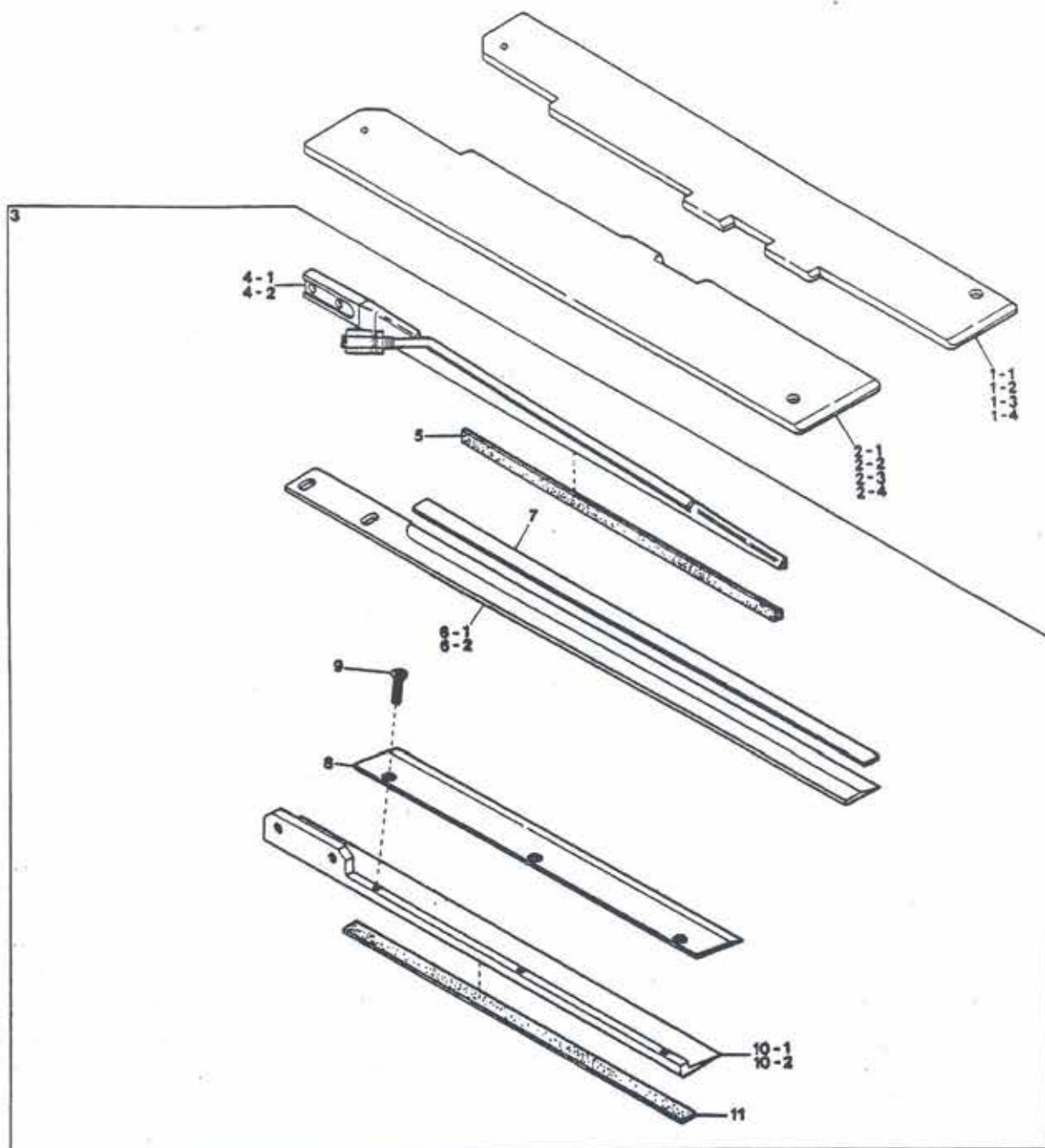


Det. No	Parts. No	Description
1-1	48-1125-6-029	Slide Plate(Right) (10,12,14mm)
1-2	48-1125-6-031	" " (16mm)
1-3	48-1125-6-033	" " (18mm)
1-4	48-1125-6-035	" " (20mm)
2-1	48-1125-6-030	Slide Plate(Left) (10,12,14mm)
2-2	48-1125-6-032	" " (16mm)
2-3	48-1125-6-034	" " (18mm)
2-4	48-1125-6-036	" " (20mm)
3	48-1125-6-012	Long Sew, C. (with Flap)
4-1	48-1125-6-000	Flap Clamp(Right)
4-2	48-1125-6-001	" (Left)
5	48-1125-6-002	Flap Clamp Rubber
6-1	48-1125-6-004	Brush Blade(Right)
6-2	48-1125-6-005	" (Left)
7	48-1125-6-003	Reflective Sheet
8	48-1125-5-746	Flap Guide
9	46-1000-9-791	Screw(M3-0.5×2.6)
10	46-1000-0-014	Washer

Det. No	Parts. No	Description
11	46-1000-0-553	Washer
12	48-1125-5-747	Flap Positioning Plate
13	48-1125-6-008	Cover Plate
14	46-1000-6-217	Screw(M3-0.5×5)
15-1	48-1125-5-296	Stop(Right)
15-2	48-1125-5-297	" (Left)
16	48-1011-0-030	Screw(M3-0.5×2.6)
17-1	48-1125-6-009	Clamp Foot(Right)
17-2	48-1125-6-010	" (Left)
18	48-1125-6-011	Clamp Foot Rubber
19	-----	Patch Guide, C. (See Table)
20	-----	Patch Guide(Upper) (See Table)
21	-----	Patch Guide(Lower) (See Table)
22	46-1000-9-734	Screw(M2-0.4×6)

Models \ Parts No.	Patch Guide, Complete	Patch Guide (Upper)	Patch Guide (Lower)
S48-A10-185S	48-1125-6-067	48-1125-6-041	48-1125-6-053
-185D	48-1125-6-068	48-1125-6-042	48-1125-6-054
12-220S	48-1125-6-069	48-1125-6-043	48-1125-6-055
-220D	48-1125-6-070	48-1125-6-044	48-1125-6-056
14-270S	48-1125-6-071	48-1125-6-045	48-1125-6-057
-270D	48-1125-6-072	48-1125-6-046	48-1125-6-058
16-300S	48-1125-6-073	48-1125-6-047	48-1125-6-059
-300D	48-1125-6-074	48-1125-6-048	48-1125-6-060
-310S	48-1125-6-075	48-1125-6-047	48-1125-6-061
-310D	48-1125-6-076	48-1125-6-048	48-1125-6-062
18-350S	48-1125-6-077	48-1125-6-049	48-1125-6-063
-350D	48-1125-6-078	48-1125-6-050	48-1125-6-064
20-390S	48-1125-6-079	48-1125-6-051	48-1125-6-065
-390D	48-1125-6-080	48-1125-6-052	48-1125-6-066

LONG SEW without Flap

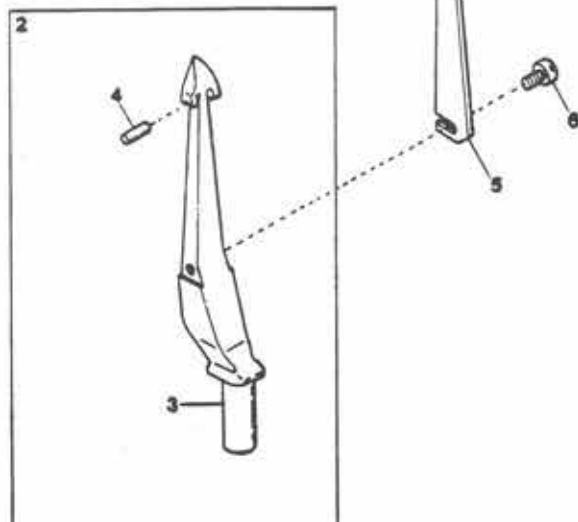


LONG SEW(Sewing Length 220mm) without Flap

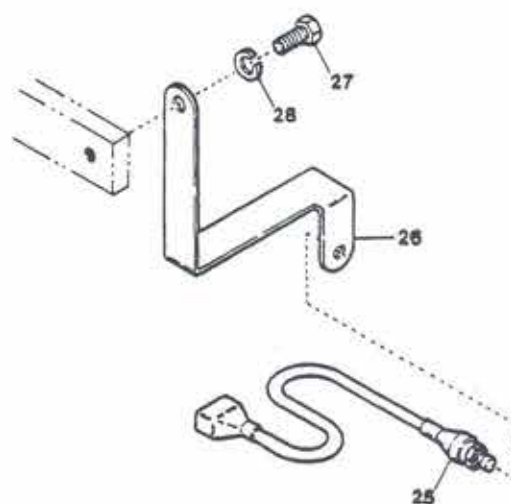
Det. No	Parts. No	Description
1-1	48-1125-6-029	Slide Plate(Right) (10,12,14mm)
1-2	48-1125-6-031	" " (16mm)
1-3	48-1125-6-033	" " (18mm)
1-4	48-1125-6-035	" " (20mm)
2-1	48-1125-6-030	Slide Plate(Left) (10,12,14mm)
2-2	48-1125-6-032	" " (16mm)
2-3	48-1125-6-034	" " (18mm)
2-4	48-1125-6-036	" " (20mm)
3	48-1125-6-016	Long Sew. C. (without Flap)
4-1	48-1125-6-000	Flap Clamp(Right)
4-2	48-1125-6-001	" (Left)
5	48-1125-6-002	Flap Clamp Rubber
6-1	48-1125-6-004	Brush Blade(Right)
6-2	48-1125-6-005	" (Left)
7	48-1125-6-003	Reflective Sheet
8	48-1125-6-015	Cover Plate
9	46-1000-6-217	Screw(M3-0.5×5)
10-1	48-1125-6-009	Clamp Foot(Right)
10-2	48-1125-6-010	" (Left)
11	48-1125-6-011	Clamp Foot Rubber
12	-----	Patch Guide, C. (See Table)
13	-----	Patch Guide(Upper) (See Table)
14	-----	Patch Guide(Lower) (See Table)
15	46-1000-9-734	Screw(M2-0.4×6)

Models	Parts No.	Patch Guide, Complete	Patch Guide (Upper)	Patch Guide (Lower)
S48-A10-185S		48-1125-6-067	48-1125-6-041	48-1125-6-053
-185D		48-1125-6-068	48-1125-6-042	48-1125-6-054
12-220S		48-1125-6-069	48-1125-6-043	48-1125-6-055
-220D		48-1125-6-070	48-1125-6-044	48-1125-6-056
14-270S		48-1125-6-071	48-1125-6-045	48-1125-6-057
-270D		48-1125-6-072	48-1125-6-046	48-1125-6-058
16-300S		48-1125-6-073	48-1125-6-047	48-1125-6-059
-300D		48-1125-6-074	48-1125-6-048	48-1125-6-060
-310S		48-1125-6-075	48-1125-6-047	48-1125-6-061
-310D		48-1125-6-076	48-1125-6-048	48-1125-6-062
18-350S		48-1125-6-077	48-1125-6-049	48-1125-6-063
-350D		48-1125-6-078	48-1125-6-050	48-1125-6-064
20-390S		48-1125-6-079	48-1125-6-051	48-1125-6-065
-390D		48-1125-6-080	48-1125-6-052	48-1125-6-066

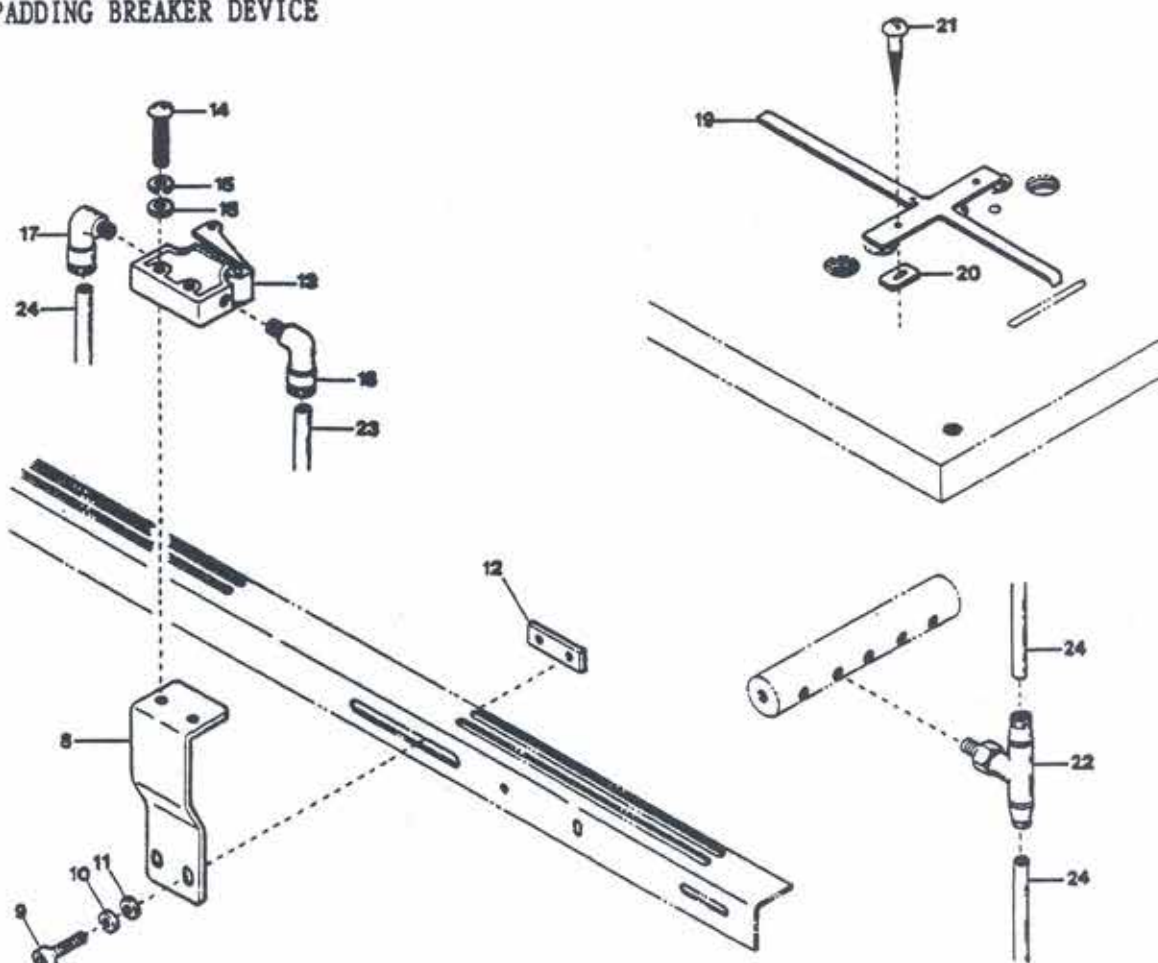
1 SHORT SEW



MANUAL SWITCH

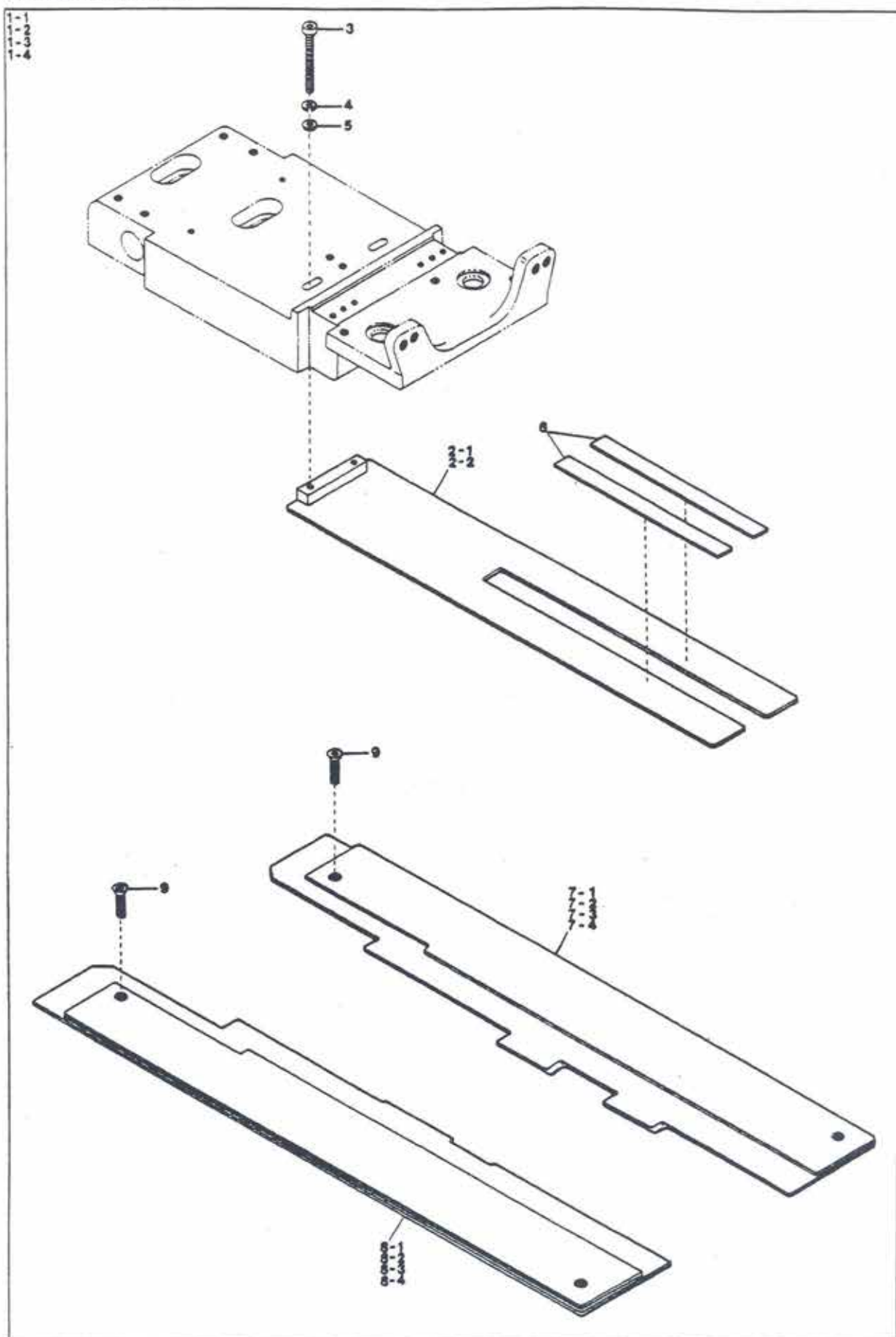


7 PADDING BREAKER DEVICE



Det. No	Parts. No	Description
1	48-1125-5-997	Tab Knife, C.
2	48-1125-5-892	Tab Finger, C. (10mm)
3	48-1125-5-891	Tab Finger
4	48-1000-0-032	Pin
5	48-1125-5-893	Tab Knife
6	48-1000-4-246	Screw (11/128-56×2.4)
7	48-1125-5-896	Padding Breaker Device, C.
8	48-1125-5-894	Pneumatic Valve Stay
9	48-1000-5-650	Screw (M5-0.8×14)
10	46-1000-0-600	Spring Washer
11	46-1000-0-669	Washer
12	48-1125-5-895	Stay Plate
13	46-1001-0-306	Pneumatic Valve
14	46-1000-6-219	Screw (M4-0.7×30)
15	46-1000-0-644	Spring Washer
16	46-1000-0-665	Washer
17	46-1001-0-266	Elbow Connector (φ 6-1/8)
18	46-1001-0-057	Elbow Connector (φ 4-1/8)
19	46-1001-4-848	Holder
20	46-1001-4-849	Spacer
21	46-1000-6-905	Wood Screw (φ 5.1×20)
22	46-1001-0-289	T-Connector
23 *	46-1001-0-260	Air Tubing (4×2.5mm)
24 *	46-1001-0-261	Air Tubing (6×4mm)
25	46-1001-4-998	Manual Start Switch
26	46-1001-4-564	Start Switch Support
27	46-1000-9-777	Screw (M8-1.25×14)
28	46-1000-0-676	Spring Washer
		* Specify Length.

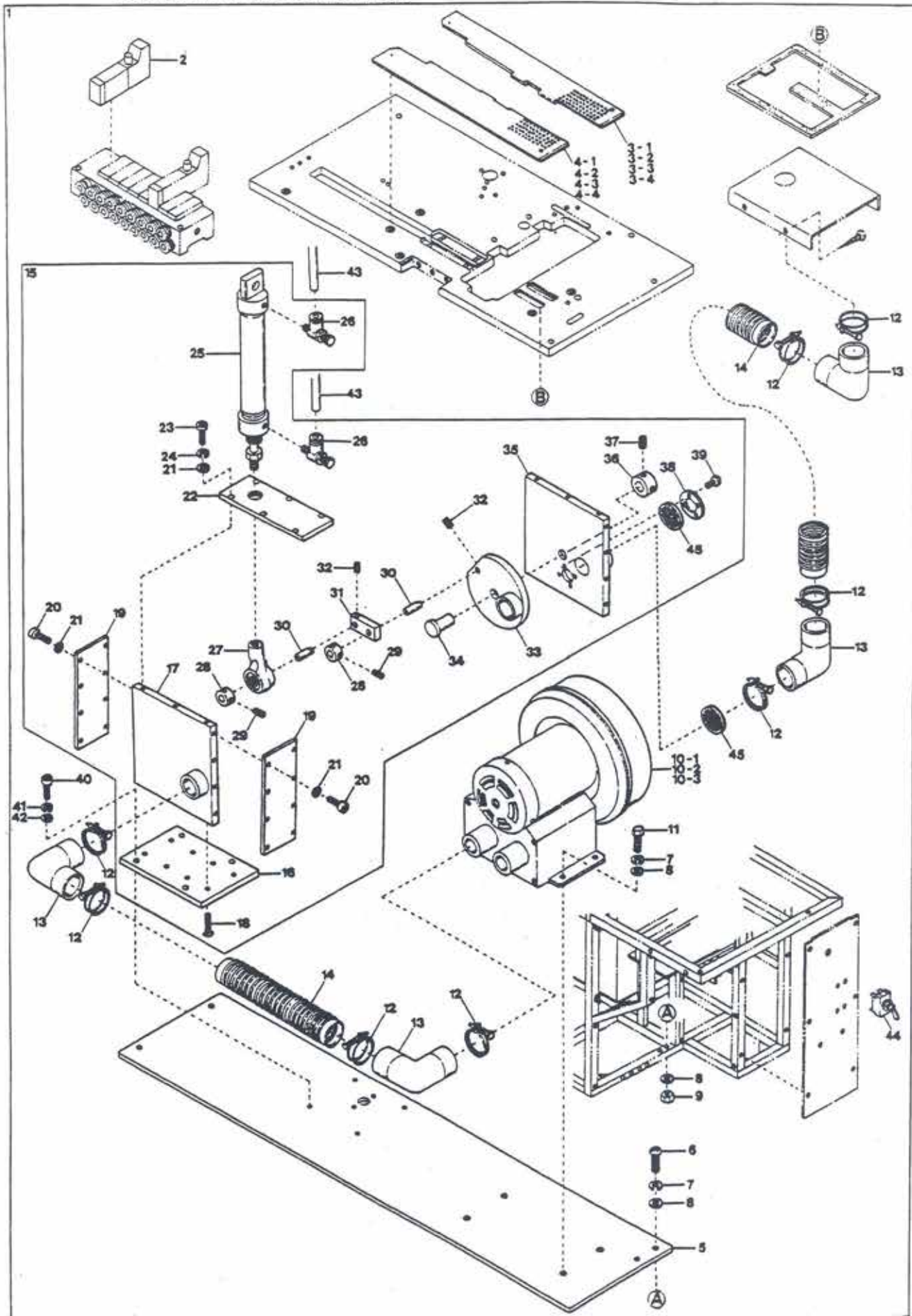
SANDWITCH DEVICE



Det. No	Parts. No	Description
1-1	48-1125-5-905	Sandwich Device, C. (10, 12, 14mm)
1-2	48-1125-5-906	" (16mm)
1-3	48-1125-5-907	" (18mm)
1-4	48-1125-5-908	" (20mm)
2-1	48-1125-5-900	Sandwich Clamp Foot (Lower) (10, 12, 14mm)
2-2	48-1125-5-940	Sandwich Clamp Foot (Lower) (16, 18, 20mm)
3	46-1000-9-810	Screw (M6-1×55)
4	46-1000-0-667	Spring Washer
5	46-1000-0-663	Washer
6	46-1001-4-588	Rubber
7-1	48-1125-5-887	Sandwich Slide Plate (Right) (10, 12, 14mm)
7-2	48-1125-5-888	Sandwich Slide Plate (Right) (16mm)
7-3	48-1125-5-889	Sandwich Slide Plate (Right) (18mm)
7-4	48-1125-5-890	Sandwich Slide Plate (Right) (20mm)
8-1	48-1125-5-901	Sandwich Slide Plate (Left) (10, 12, 14mm)
8-2	48-1125-5-902	Sandwich Slide Plate (Left) (16mm)
8-3	48-1125-5-903	Sandwich Slide Plate (Left) (18mm)
8-4	48-1125-5-904	Sandwich Slide Plate (Left) (20mm)
9	46-1000-9-776	Screw (M4-0.7×10)

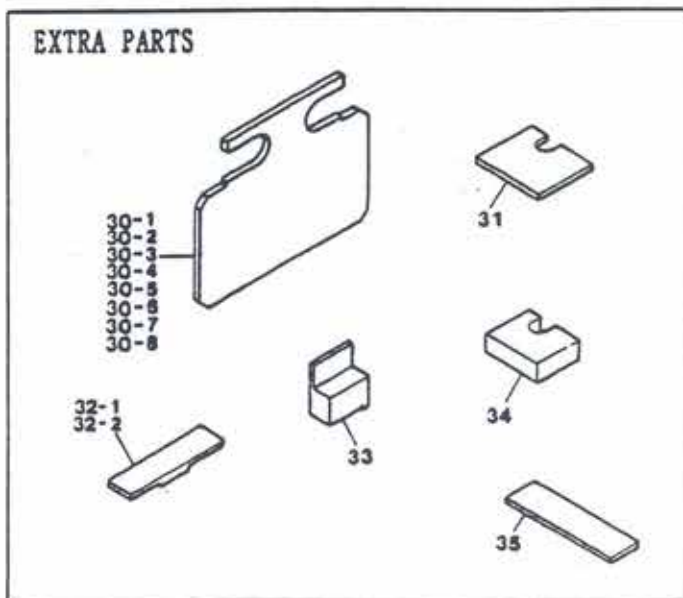
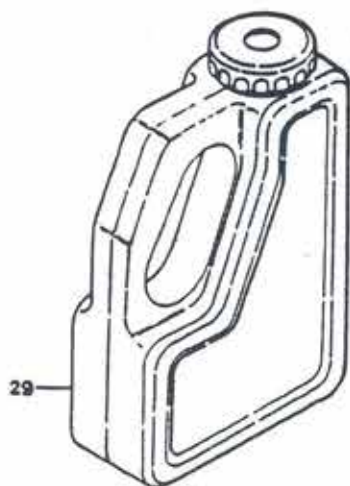
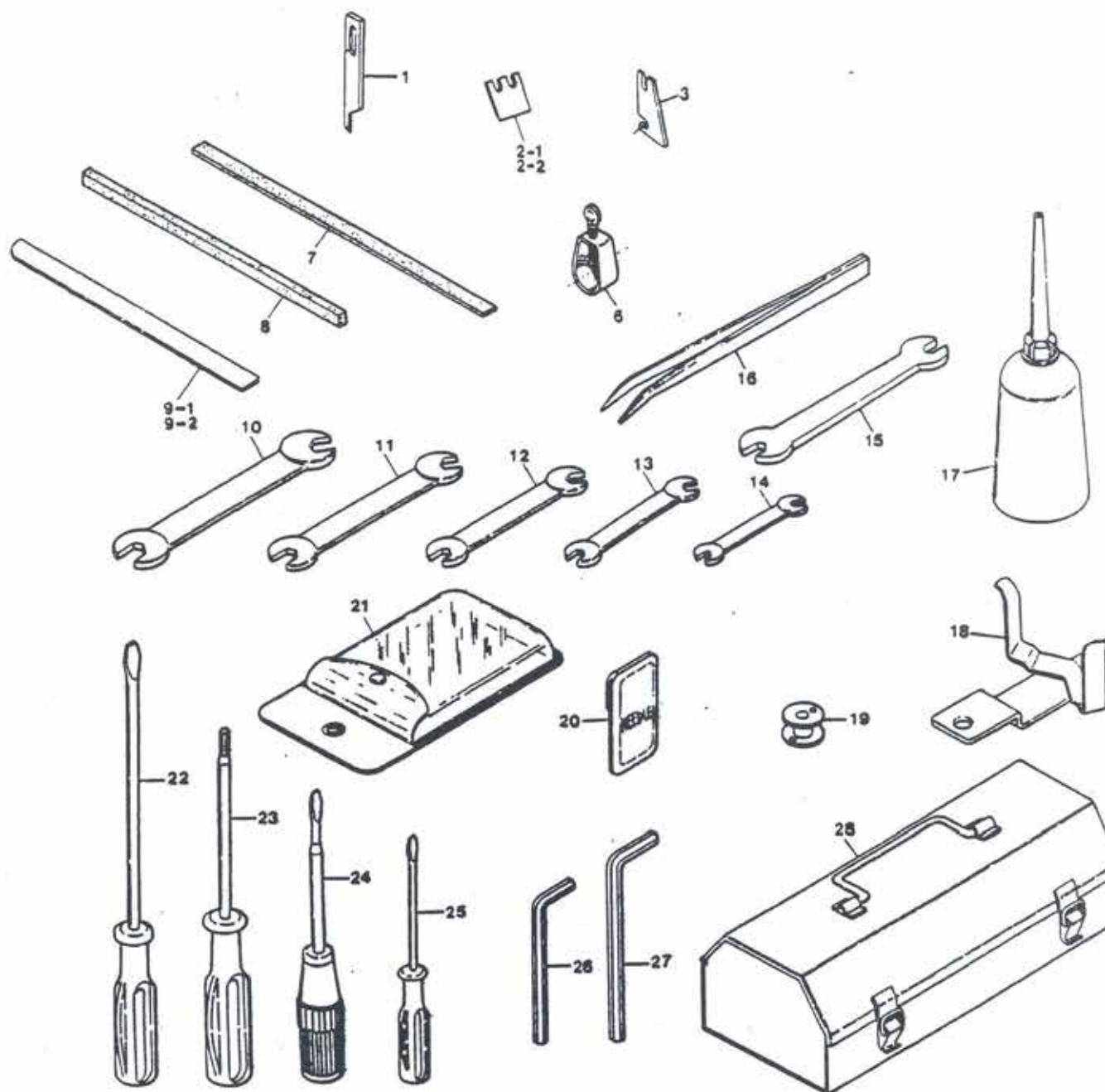
Det. No	Parts. No	Description
1-1	48-1125-5-979	Vacuum System, C. (10, 12, 14mm)
1-2	48-1125-6-020	" (16mm)
1-3	48-1125-6-024	" (18mm)
1-4	48-1125-6-028	" (20mm)
2	48-1109-0-035	Pneumatic Valve (5 Port)
3-1	48-1125-5-989	Slide Plate(Right) (10, 12, 14mm)
3-2	48-1125-5-991	" " (16mm)
3-3	48-1125-5-993	" " (18mm)
3-4	48-1125-5-995	" " (20mm)
4-1	48-1125-5-990	Slide Plate(Left) (10, 12, 14mm)
4-2	48-1125-5-992	" " (16mm)
4-3	48-1125-5-994	" " (18mm)
4-4	48-1125-5-996	" " (20mm)
5	48-1125-5-975	Vacuum System Basment
6	46-1000-9-759	Screw(M8-1.25×55)
7	46-1000-0-676	Spring Washer
8	46-1000-0-429	Washer
9	46-1000-0-016	Nut
10	48-1109-0-095	Air Valve
11	46-1000-9-752	Screw(M5-0.8×15)
12	46-1000-0-600	Spring Washer
13	46-1000-0-669	Washer
14	48-1109-4-021	Nipple
15	48-1001-3-356	Hose Clamp(φ50)
16	48-1001-3-353	Dust Hose(φ38)
17	48-1001-3-244	Dust Hose Connector
18	46-1001-0-055	Connector
19 *	46-1001-0-260	Air Tubing(4×2.5mm)
20	48-1125-5-999	Filter
		* Specify Length.

VACUUM SYSTEM with Blower Motor



Det. No	Parts. No	Description	Det. No	Parts. No	Description
1	-----	Vacuum System, C. (See Table)	21	46-1000-0-665	Washer
2	48-1109-0-035	Pneumatic Valve (5 Port)	22	48-1125-5-965	Upper Cover
3-1	48-1125-5-989	Slide Plate(Right) (10, 12, 14mm)	23	46-1000-9-748	Screw(M4-0.7×12)
3-2	48-1125-5-991	" " (16mm)	24	46-1000-0-644	Spring Washer
3-3	48-1125-5-993	" " (18mm)	25	48-1109-1-085	Air Cylinder (EMD-SD-20×50E)
3-4	48-1125-5-995	" " (20mm)	26	46-1001-0-254	Speed Controller
4-1	48-1125-5-990	Slide Plate(Left) (10, 12, 14mm)	27	46-1001-4-402	Rod End
4-2	48-1125-5-992	" " (16mm)	28	46-1007-7-296	Collar
4-3	48-1125-5-994	" " (18mm)	29	48-1000-3-638	Screw(11/64-40×4)
4-4	48-1125-5-996	" " (20mm)	30	48-1125-5-972	Link Pin
5	48-1125-5-975	Vacuum System Basement	31	48-1125-5-971	Link
6	46-1000-9-759	Screw(M8-1.25×55)	32	46-1000-9-736	Screw(M4-0.7×6)
7	46-1000-0-676	Spring Washer	33	48-1125-5-970	Changrover Inlet Plate Unit
8	46-1000-0-429	Washer	34	48-1125-5-973	Fulcrum Pin
9	46-1000-0-016	Nut	35	48-1125-5-968	Suction Inlet Plate (Front)
10-1	48-1001-0-945	Blower Motor (3 Phase 200V)	36	48-1003-2-820	Collor
10-2	48-1001-0-943	" (3 Phase 380V)	37	46-1000-7-650	Screw(11/64-40×5)
10-3	48-1001-0-944	" (3 Phase 440V)	38	48-1125-5-974	Attach Plate
			39	46-1000-4-127	Screw(M4-0.7×6)
			40	46-1000-6-210	Screw(M6-1×12)
11	48-1000-9-925	Screw(M8-1.25×24.5)	41	46-1000-0-667	Spring Washer
12	48-1001-3-356	Hose Clamp(φ 50)	42	46-1000-0-663	Washer
13	48-1001-3-244	Dust Hose Connector	43 *	46-1001-0-260	Air Tubing(4×2.5mm)
14	48-1001-3-353	Dust Hose(φ 38)	44	48-1106-6-068	Toggle Switch
15	48-1125-5-998	Air Changeover Device, C.	45	48-1125-5-999	Filter
16	48-1125-5-967	Bottom Plate			* Specify Length.
17	48-1125-5-969	Suction Inlet Plate (Rear)			
18	48-1013-0-007	Screw(M4-0.7×10)			
19	48-1125-5-966	Side Cover			
20	46-1000-9-746	Screw(M4-0.7×8)			

Parts No.	Bite Size	Voltage	Blower Motor
48-1125-5-976	10, 12, 14	200	48-1001-0-945
48-1125-5-977	10, 12, 14	380	48-1001-0-943
48-1125-5-978	10, 12, 14	440	48-1001-0-944
48-1125-6-017	16	200	48-1001-0-945
48-1125-6-018	16	380	48-1001-0-943
48-1125-6-019	16	440	48-1001-0-944
48-1125-6-021	18	200	48-1001-0-945
48-1125-6-022	18	380	48-1001-0-943
48-1125-6-023	18	440	48-1001-0-944
48-1125-6-025	20	200	48-1001-0-945
48-1125-6-026	20	380	48-1001-0-943
48-1125-6-027	20	440	48-1001-0-944



Det. No	Parts. No	Description
1	48-1125-5-721	Center Knife
2-1	46-1001-4-244	Trim Blade (for 10,12,14mm)
2-2	46-1001-5-292	Trim Blade (for 16,18,20mm)
3	46-1001-5-289	Tab Knife
4	.....	.....
5	.....	.....
6	48-1003-3-939	Hose Band
7	46-1001-4-589	Clamp Foot Rubber
8	46-1001-4-590	Flap Clamp Rubber
9-1	48-1125-5-596	Reflective Sheet (Right)
9-2	48-1125-5-353	" (Left)
10	46-1009-9-140	Wrench(17×14mm)
11	46-1009-9-139	Wrench(13×11mm)
12	46-1009-9-138	Wrench(12×10mm)
13	46-1009-9-137	Wrench(8×7mm)
14	46-1009-9-136	Wrench(7×5.5mm)
15	46-1001-5-154	Wrench(8×9mm)
16	46-1009-9-051	Tweezers
17	46-1001-5-176	Oiler
18	46-1001-4-716	Oiler Support
19	46-1001-5-081	Bobbin
20-1	02-0150-0-110	Needle, rd. pt., Fine(0)
20-2	02-0150-0-111	Needle, rd. pt., Medium(1)
20-3	02-0150-0-112	Needle, rd. pt., Heavy(2)
20-4	02-0150-0-113	Needle, rd. pt., Very Heavy(3)
20-5	02-0150-0-114	Needle, rd. pt., Extra Heavy
21	46-1009-9-134	Wrench (8 pcs. par set)
22	46-1001-5-151	Screwdriver (5.5×190mm)
23	46-1003-7-919	Hexagonal Screwdriver (1.58mm, 1/16)
24	46-1001-5-152	Screwdriver (3.4×70mm)
25	46-1001-5-153	Screwdriver (1.9×52mm)
26	46-1001-5-180	Wrench(2mm)
27	46-1001-5-179	Wrench(3mm)
28	46-1009-9-135	Accessory Box
29	46-1001-5-177	Oil Tank

Det. No	Parts. No	Description
30-1	46-1001-5-434	Clamp Arm Gauge (2.0mm)
30-2	46-1001-5-435	" (2.5mm)
30-3	46-1001-4-801	" (2.75mm)
30-4	46-1001-5-436	" (3.0mm)
30-5	46-1001-5-437	" (3.5mm)
30-6	46-1001-5-438	" (4.0mm)
30-7	46-1001-4-802	" (4.5mm)
30-8	46-1001-5-439	" (8.0mm)
31	46-1001-4-806	Needle & Hook Gauge
32-1	46-1001-4-803	Height Gauge(0.75mm)
32-2	46-1001-4-804	" " (0.9mm)
33	46-1001-4-800	Needle Height Gauge
34	46-1001-4-805	Needle & Hook Gauge
35	46-1001-4-807	Fixed Knife Positioning Gauge (2.95mm)

Spare Parts Models	Jumping Guide Block	Patch Guide Complete	Patch Guide (Upper)	Patch Guide (Lower)	Slide Plate (Left)	Slide Plate (Right)	Clamp Foot Spacer
S48-EA10-175S	46-1001-4-537	48-1125-5-803	48-1125-5-754	46-1001-5-371	48-1125-5-489	48-1125-5-488	46-1001-4-594(3.25)
EA10-175D	"	48-1125-5-804	48-1125-5-755	46-1001-5-364	"	"	"
EA10-180S	"	48-1125-5-957	48-1125-5-754	46-1001-5-405	"	"	46-1001-5-411(3.5)
EA10-180D	"	48-1125-5-958	48-1125-5-755	46-1001-5-406	"	"	"
EA10-185S	"	48-1125-5-805	48-1125-5-754	48-1125-5-752	"	"	48-1125-5-622(3.75)
EA10-185D	"	48-1125-5-806	48-1125-5-755	48-1125-5-753	"	"	"
EA12-210S	46-1001-4-538	48-1125-5-785	48-1125-5-756	46-1001-5-372	"	"	46-1001-5-219(4.0)
EA12-210D	"	48-1125-5-783	48-1125-5-757	46-1001-5-365	"	"	"
EA12-220S	"	48-1125-5-807	48-1125-5-756	46-1001-5-373	"	"	46-1001-4-595(4.5)
EA12-220D	"	48-1125-5-808	48-1125-5-757	46-1001-5-366	"	"	"
EA14-270S	46-1001-5-202	48-1125-5-809	48-1125-5-758	46-1001-5-376	"	"	46-1001-5-214(6.0)
EA14-270D	"	48-1125-5-810	48-1125-5-759	46-1001-5-369	"	"	"
EA16-300S	46-1001-5-293	48-1125-5-811	48-1125-5-760	48-1125-5-512	48-1125-5-491	48-1125-5-490	46-1001-5-284(7.0)
EA16-300D	"	48-1125-5-812	48-1125-5-761	48-1125-5-511	"	"	"
EA16-310S	"	48-1125-5-813	48-1125-5-760	48-1125-5-570	"	"	"
EA16-310D	"	48-1125-5-814	48-1125-5-761	48-1125-5-571	"	"	"
EA18-350S	46-1001-5-294	48-1125-5-815	48-1125-5-762	48-1125-5-572	48-1125-5-493	48-1125-5-492	46-1001-5-286(8.0)
EA18-350D	"	48-1125-5-816	48-1125-5-763	48-1125-5-573	"	"	"
EA20-390S	46-1001-5-295	48-1125-5-817	48-1125-5-764	48-1125-5-574	48-1125-5-495	48-1125-5-494	46-1001-5-288(9.0)
EA20-390D	"	48-1125-5-818	48-1125-5-765	48-1125-5-575	"	"	"

Note : Numbers in () of Clamp Foot Spacer shows its thickness.

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