

TWINserter

PARTS LIST

Figure 18

This technical drawing is an exploded perspective view of a complex mechanical assembly. The assembly is composed of numerous parts, each identified by a numerical callout. The main body of the assembly is a rectangular frame with a central platform. On the left side, there is a vertical support structure with a horizontal arm extending from it. On the right side, there is a large vertical panel with a handle or latch mechanism. The assembly is supported by four legs. Various internal components, including gears, belts, and structural brackets, are shown in their relative positions. The callouts range from 1 to 47, with some numbers (like 47) appearing multiple times to identify different instances of the same part. The drawing uses dashed lines to indicate the assembly path and alignment of the components.

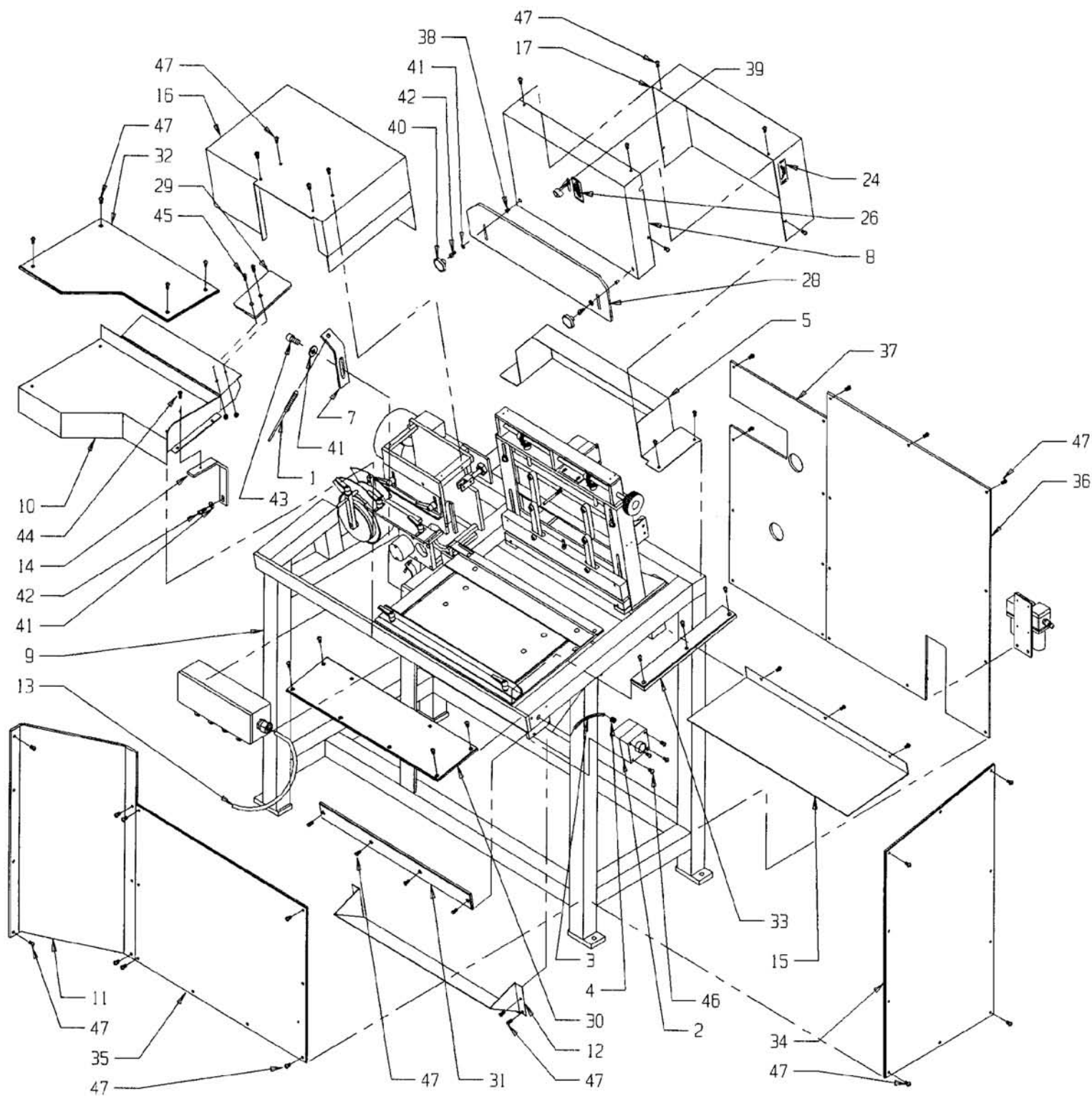


Figure 19

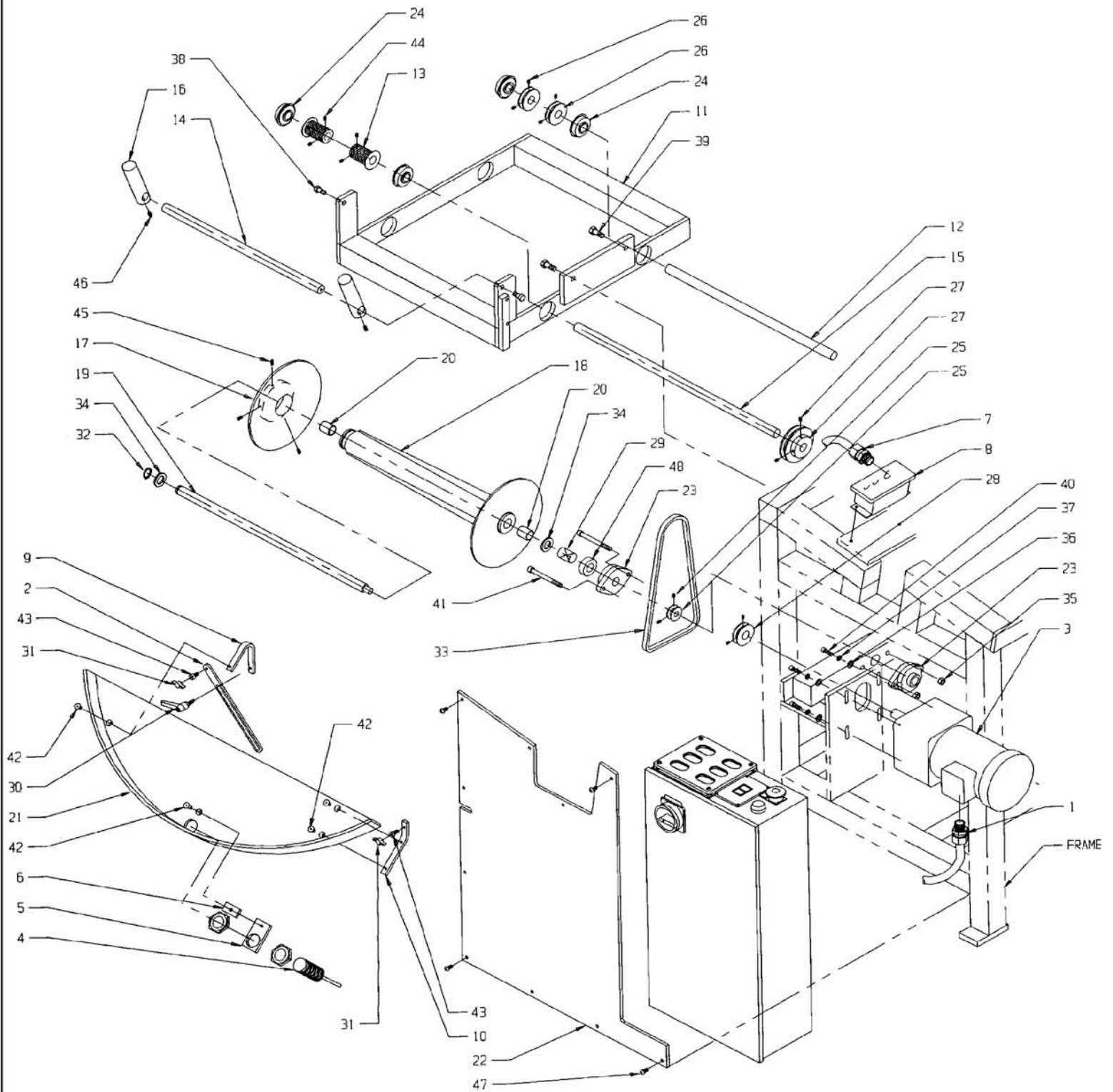


Figure 19

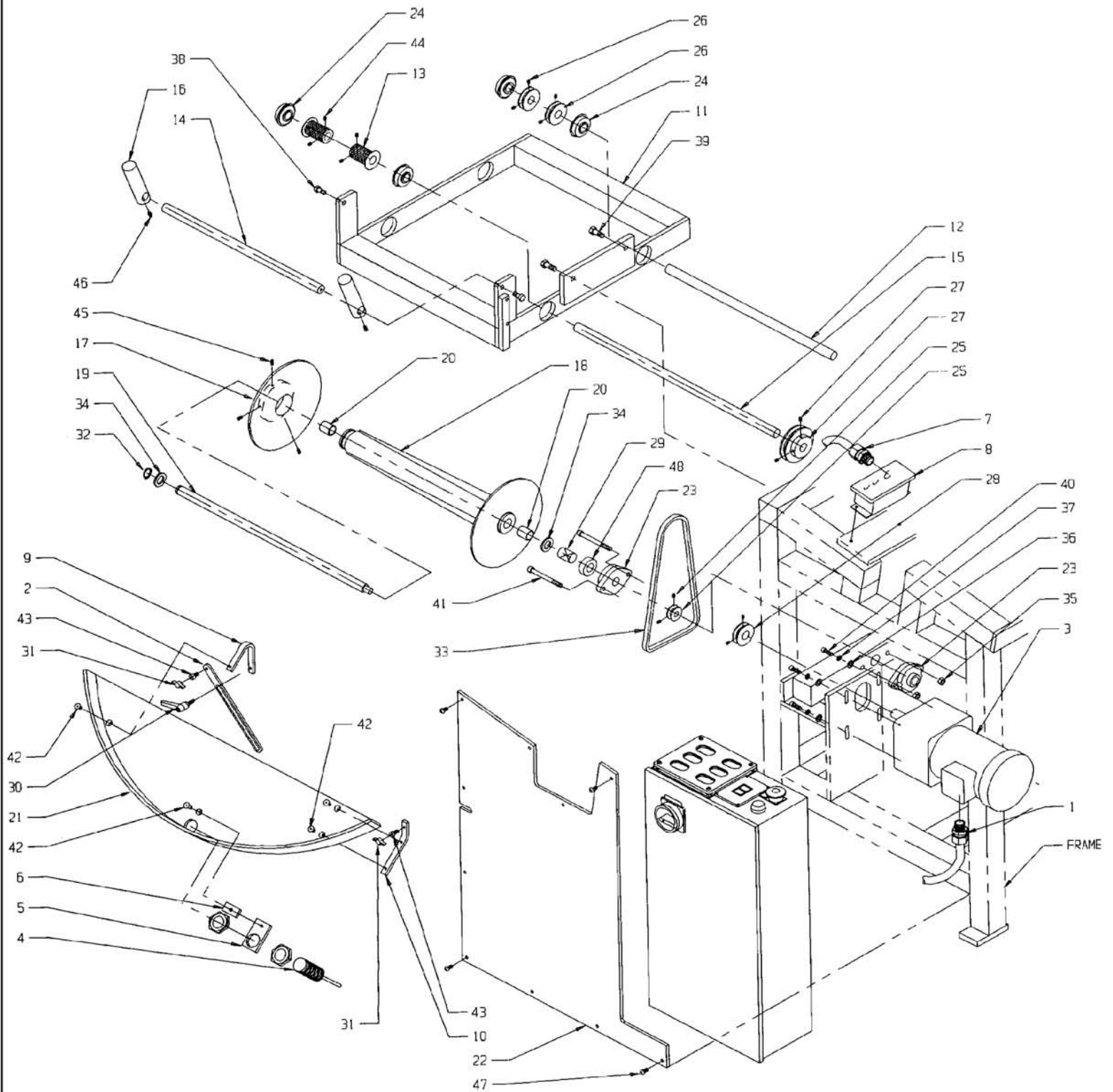


Figure 19. PARTS LIST

ITEM NO.	SICKINGER PART NO.	DESCRIPTION	QUANTITY REQUIRED
1	0010027300	Cable - Motor Feed	1
2	0165009000	Lever	1
3	0220005300	Gearmotor - 173 RPM	1
4	0220013900	Switch - Proximity	1
5	0425002600	Bracket - Proximity Switch	1
6	0425002700	Spacer - Proximity Switch	1
7	0425006700	Cable - Feed Area	1
8	0426003300	Junction Box - Modify	1
9	0426003500	Bracket - L/H	1
10	0426003600	Bracket - R/H	1
11	0425060100	Frame - Despool	1
12	0425060200	Shaft - Idler	1
13	0425060700	Drive Wheel	2
14	0425060800	Shaft - Element Guide	1
15	0425060900	Shaft - Driven	1
16	0425061100	Guide - Element	2
17	0425070100	Flange - Take-up	1
18	0425070200	Spool - Take-up	1
19	0425070300	Shaft - Take-up Spool	1
20	0485033000	Bushing -Bronze 3/4 ID	2
21	0480073500	Chute - Loop	1
22	0480078500	Panel - L/H	1
23	0485039000	Bearing - Flanged 3/4 ID	2
24	0485061100	Bearing - Ball 3/4 ID	4
25	0487020300	Pulley	1
26	0487020600	Pulley	2
27	0487020700	Pulley	1
28	0487020800	Pulley	1
29	0750029500	Spring - Compression	1
30	0750088800	Handle - Adjustable	1
31	0750094300	T-Knob - 1/4	2
32	0750125200	Snap Ring	1
33	0750157200	V-Belt	1
34	0750194000	Thrust Washer	2
35	0750306500	Hex. Nut - 5/16-18	2
36	0750409000	Flat Washer - 1/4	4
37	0750410500	Lock Washer - 1/4	4
38	0750522000	HHCS - 5/16-18 x 3/4	2
39	0750535000	HHCS - 3/8-16 x 1	2
40	0750727000	SHCS - 1/4-28 x 1	4
41	0750731500	SHCS - 5/16-18 x 3 1/4	2
42	0750863500	FHCS - 1/4-20 x 1/2	4
43	0750719000	SHCS - 1/4-20 x 1/2	2
44	0751025000	Set Screw - 1/4-20 x 3/16	4
45	0751075700	Spring Plunger	3
46	0751405500	Set Screw - 5/16-18 x 1/4	4
47	0753395300	Phillips Head Screw - Beige	10
48	0750002500	Collar - Clamp 3/4	1

Figure 20

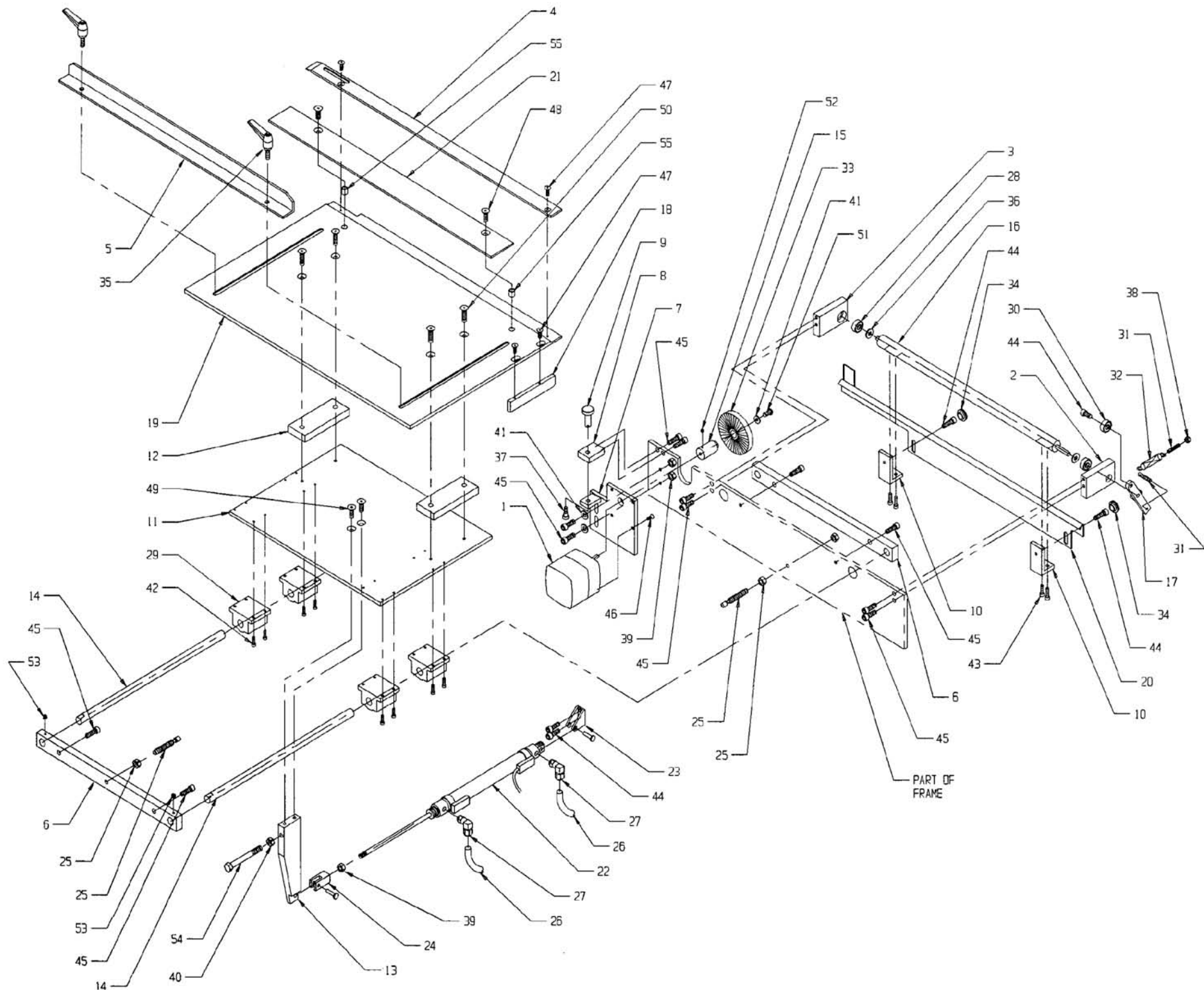


Figure 20. PARTS LIST

ITEM NO.	SICKINGER PART NO.	DESCRIPTION	QUANTITY REQUIRED
1	0220007100	Gearmotor	1
2	0425007800	Support -Shaft - R/H	1
3	0425007900	Support - Shaft - L/H	1
4	0425008200	Base - Slide	1
5	0425008600	Guide - Rear	1
6	0425009200	Support -Guide Shaft	1
7	0426000200	Bracket - Motor	1
8	0426000300	Support - Adjustable nob	1
9	0426000400	Knob - Adjusting	1
10	0426000500	Support - Guide	2
11	0426000600	Sub Plate - Slide	1
12	0426000700	Spacer - Slide	2
13	0426001200	Bracket - Slide	1
14	0426001300	Shaft - Guide	2
15	0426001400	Arbor - Brush	1
16	0426001700	Shaft - Guide	1
17	0426002100	Lever - Guide	1
18	0426002200	Cam - Guide	1
19	0426002500	Slide	1
20	0426006000	Guide - Element	1
21	0427008100	Plate - Front	1
22	0482023000	Air Cylinder with Switches	1
23	0482023100	Pivot Bracket - Rear	1
24	0482023200	Rod Clevis	1
25	0482023300	Shock Absorber with Cap	2
26	0482035000	Polytube - 1/4"	20 ft.
27	0482039500	Elbow - Male	2
28	0485052000	Bearing - Ball 1/4 ID	2
29	0485059800	Pillow Block - Linear 1/2"	4
30	0485086700	Bearing - Ball 1/4 ID	1
31	0750019900	Spring Anchor	2
32	0750043700	Spring - Extension	1
33	0750064500	Brush - Nylon 2 3/4 Dia.	1
34	0750086200	Knob - Knurled	2
35	0750088400	Handle - Adjustable	2
36	0750194200	Thrust Washer	2
37	0750230200	Shoulder Screw - 1/4 Dia.	1
38	0750303000	Hex. Nut - 10-32	2
39	0750304000	Hex. Nut - 1/4-20	2
40	0750306500	Hex. Nut - 5/16-18	1
41	0750409000	Flat Washer - 1/4	3
42	0750707000	SHCS - 6-32 x 1/2	16
43	0750714500	SHCS - 10-24 x 3/4	4
44	0750719000	SHCS - 1/4-20 x 1/2	5
45	0750720000	SHCS - 1/4-20 x 3/4	12
46	0750858200	FHCS - 8-32 x 1/2	4
47	0750861000	FHCS - 10-24 x 1/2	4
48	0750863500	FHCS - 1/4-20 x 1/2	2
49	0750864500	FHCS - 1/4-20 x 3/4	2
50	0750865000	FHCS - 1/4-20 x 1	4
51	0750941000	BHCS - 1/4-20 x 1/2	1
52	0751008000	Set Screw - 6-32 x 1/4	1
53	0751018000	Set Screw - 10-24 x 1/4	2
54	0750530800	HHCS - 5/16-18 x 2 3/4	1
55	0750085600	Nutsert - Flanged - 1/4-20	2

Figure 21

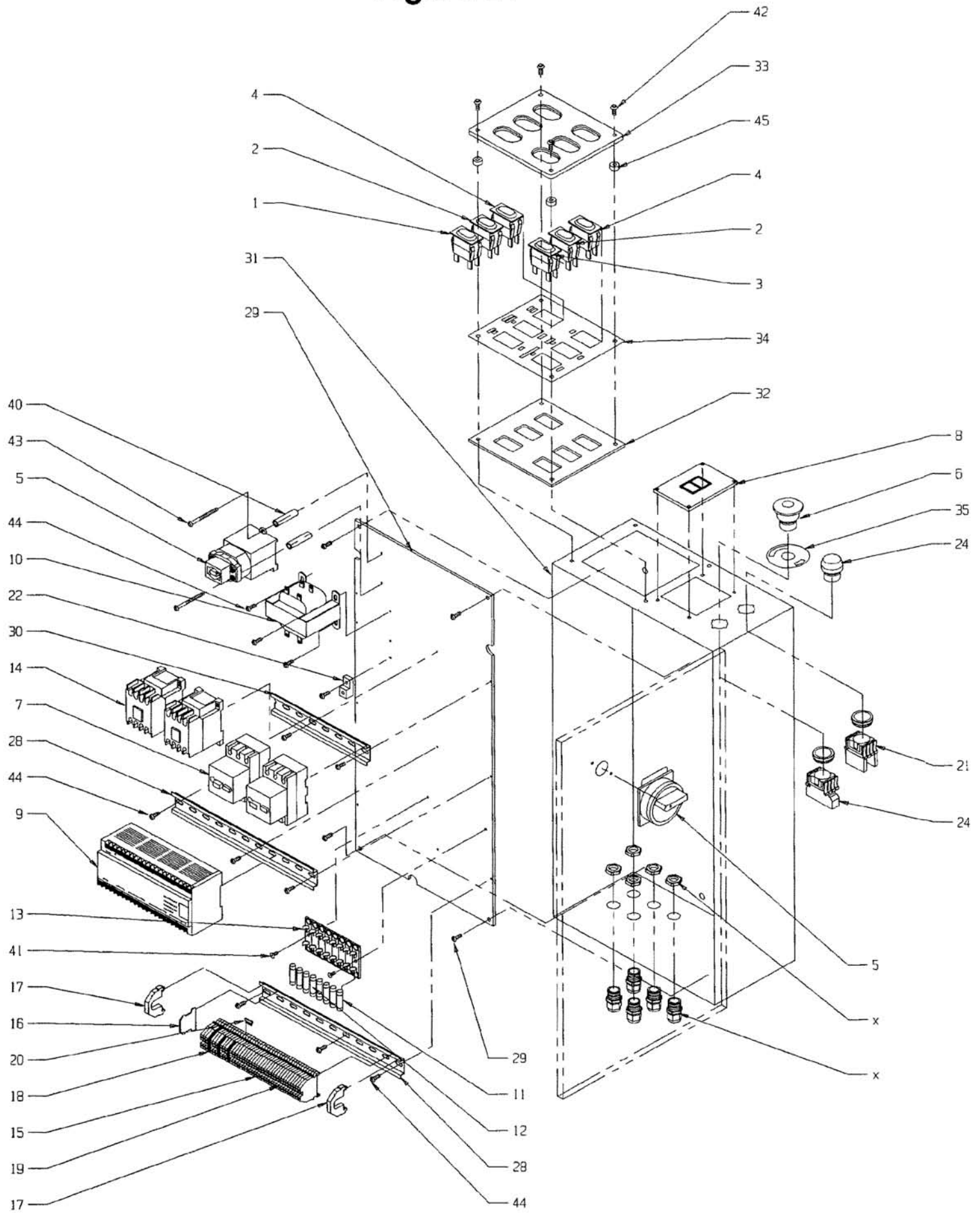


Figure 21. PARTS LIST

ITEM NO.	SICKINGER PART NO.	DESCRIPTION	QUANTITY REQUIRED
1	0220011400	Switch - Rocker- DPST	1
2	0220011600	Switch - Rocker- SPST	2
3	0220011700	Switch - Rocker- SPDT	1
4	0220011800	Switch - Rocker- SPST	2
5	0220022500	Disconnect	1
6	0220035100	Push-Pull Operator	1
7	0220041500	Starter - Manual Motor	2
8	0220064000	Switch - Thumbwheel	1
9	0220065000	Programmable Controller	1
10	0220090000	Transformer	1
11	0220141000	Fuse - 1/2 Amp	5
12	0220142500	Fuse - 5 Amp	3
13	0220151500	Fuseblock - 8 Pole	1
14	0220154500	Contactor - IEC	2
15	0220158000	Terminal Block	35
16	0220158100	End Barrier	1
17	0220158200	End Anchor	2
18	0220158300	Grounding Block	3
19	0220158400	Numbering Kit	1
20	0220158500	Jumper	2
21	0220160600	Contact Block	1
22	0220162000	Ground Lug	1
23	0220165600	Lamp Holder	1
24	0220167600	Replacement Bulb	1
25	0220170000	Sta-Con	40
26	0220171500	Sta-Con	20
27	0220210000	Ty-Rap	6
28	0425050200	Din Rail - Modify	2
29	0425050300	Sub Panel - Modify	1
30	0426050400	Din Rail - Modify	1
31	0427050100	Electrical Box - Modify	1
32	0427050200	Plate - Push Buttons	1
33	0427050300	Guard - Push Buttons	1
34	0480005300	Decal - Push Buttons	1
35	0480007600	Legend - Emerengcy Stop	1
36	0480011500	Legend Plate - 1CR	1
37	0480012000	Legend Plate - 2CR	1
38	0480016200	Legend Plate - Q-1	1
39	0480016300	Legend Plate - Q-2	1
40	0750375400	Rollpin - 3/8 Dia.	2
41	0750856200	FHCS - 6-32 x 3/8	2
42	0750938700	BHCS - 10-32 x 7/8	4
43	0753322000	Round Head Screw - 10-24 x 2	2
44	0753380500	Phillips Head - 8-32 x 1/2	12
45	0050007200	Spacer	4

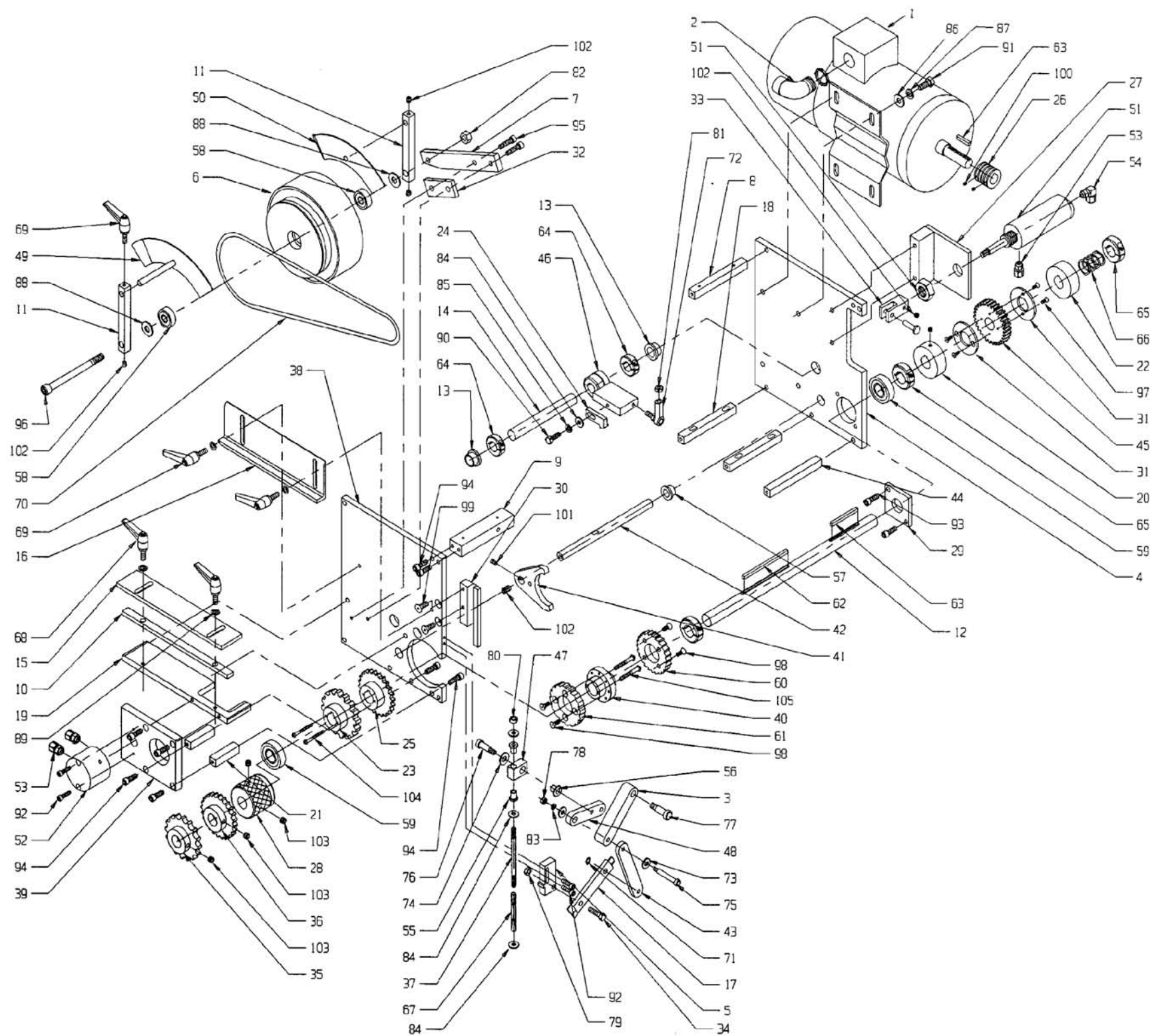


Figure 22

Figure 22. PARTS LIST

ITEM NO.	SICKINGER PART NO.	DESCRIPTION	QUANTITY REQUIRED
1	0220000600	Motor - 1/4 HP	1
2	0220133000	Connector - Strain Relief	1
3	0425080200	Link - Upper	1
4	0425080400	Side Plate - Rear	1
5	0425080700	Back-up nife	1
6	0425080800	Wheel - Feed	1
7	0425081000	Arm - Wheel	1
8	0425081100	Tie Bar	1
9	0425081200	Support Bar - Top	1
10	0425081300	Spacer	1
11	0425081500	Support - Element Guide	2
12	0425081600	Shaft - Worm Gear	1
13	0425082100	Bushing - Modify	2
14	0425082200	Shaft - Stop	1
15	0425082400	Element Guide - Lower	1
16	0425082600	Element Guide - Upper	1
17	0425082800	Knife Blade	1
18	0425083100	Tie Bar - Slotted	2
19	0425083200	Guide	1
20	0425083300	Collar - Worm Gear - L/H	1
21	0425083400	Spacer	2
22	0425083500	Collar - Worm Gear - R/H	1
23	0425083700	Feed Gear - 2:1	1
24	0425084100	Stop Dog	1
25	0425084300	Feed Gear - 3:1	1
26	0425084400	Worm - Modify	1
27	0425084500	Mount - Cylinder	1
28	0425084700	Pulley	1
29	0425085000	Retainer - Bearing	1
30	0425085100	Guide - Back-up	1
31	0425085200	Clutch Pad	2
32	0425085300	Spacer - Arm	1
33	0425085400	Clevis - Modify	1
34	0425085700	Screw - Pivot	1
35	0425085800	Gear - Count - 2:1	1
36	0425085900	Gear - Count - 3:1	1
37	0426080300	Rod - Connecting	1
38	0426080900	Side Plate - Front	1
39	0426081400	Support - Bearing	1
40	0426081700	Hub - Stop Gears	1
41	0426081800	Fork - Shifter	1
42	0426081900	Shaft - Cylinder	1
43	0426082700	Link - Lower	1
44	0426083000	Tie Bar	1
45	0425083600	Worm Gear - Modify	1
46	0426084000	Mount - Stop Dog	1
47	0426084200	Actuator Block	1
48	0426084900	Link - Cylinder	1
49	0480116000	Guide - Element - L/H	1
50	0480116500	Guide - Element - R/H	1
51	0482018100	Cylinder - Air 1 1/2 Bore	1
52	0482021500	Cylinder - Air 1 1/8 Bore	1
53	0482034500	Male Connector - Pushlock	3

Figure 22. PARTS LIST, Continued

ITEM NO.	SICKINGER PART NO.	DESCRIPTION	QUANTITY REQUIRED
54	0482039500	Elbow - Male	1
55	0485010000	Bushing - Bronze 1/4 ID	2
56	0485012000	Bushing - Bronze 5/16 ID	1
57	0485014000	Bushing - Bronze 1/2 ID	1
58	0485057000	Bearing - Ball 3/8 ID	2
59	0485060000	Bearing - Ball 3/4 ID	2
60	0487055000	Gaer - 3:1	1
61	0487056000	Gear - 2:1	1
62	0512150100	Key - 3/16	1
63	0512150400	Key - 3/16	2
64	0750002400	Collar - Clamp 5/8 ID	2
65	0750002500	Collar - Clamp 3/4 ID	3
66	0750029200	Spring - Compression	1
67	0750030600	Spring - Compression	1
68	0750088600	Handle - Adjustable	2
69	0750088800	Handle - Adjustable	3
70	0750119000	O-Ring Drive Belt	1
71	0750121200	Snap Ring	1
72	0750170000	Rod End	1
73	0750194200	Thrust Washer	2
74	0750194500	Thrust Washer	2
75	0750232000	Shoulder Screw - 1/4 Dia.	1
76	0750234000	Shoulder Screw - 5/16 Dia.	1
77	0750238500	Shoulder Screw - 3/8 Dia.	1
78	0750301500	Hex. Nut - 10-24	1
79	0750304000	Hex. Nut - 1/4-20	1
80	0750304700	Locknut - 1/4-20	1
81	0750305500	Hex. Nut - 1/4-28	1
82	0750309000	Hex. Jam Nut - 3/6-16	2
83	0750406000	Lock Washer - #10	1
84	0750409000	Flat Washer - 1/4	4
85	0750410500	Lock Washer - 1/4	1
86	0750412000	Flat Washer - 5/16	4
87	0750413000	Lock Washer - 5/16	4
88	0750415000	Washer	2
89	0750454000	Flat Washer - M6	4
90	0750506000	HHCS - 1/4-20 x 3/4	1
91	0750522000	HHCS - 5/16-18 x 3/4	4
92	0750417500	SHCS - 10-24 x 3/4	4
93	0750719000	SHCS - 1/4-20 x 5/8	2
94	0750720000	SHCS - 1/4-20 x 3/4	22
95	0750722000	SHCS - 1/4-20 x 1	2
96	0750739500	SHCS - 3/8-16 x 4 1/2	1
97	0750856200	FHCS - 6-32 x 3/8	4
98	0750862000	FHCS - 10-24 x 3/4	8
99	0750864500	FHCS - 1/4-20 x 3/4	2
100	0751013000	Set Screw - 8-32 x 3/16	2
101	0751018000	Set Screw - 10-24 x 1/4	1
102	0751403000	Set Screw - 1/4-20 x 1/4	3
103	0751405500	Set Screw - 5/16-18 x 1/4	3
104	0753393200	Round Head Screw - 6-32 x 1 1/4	2
105	0753393300	Round Head Screw - 6-32 x 1 1/2	2

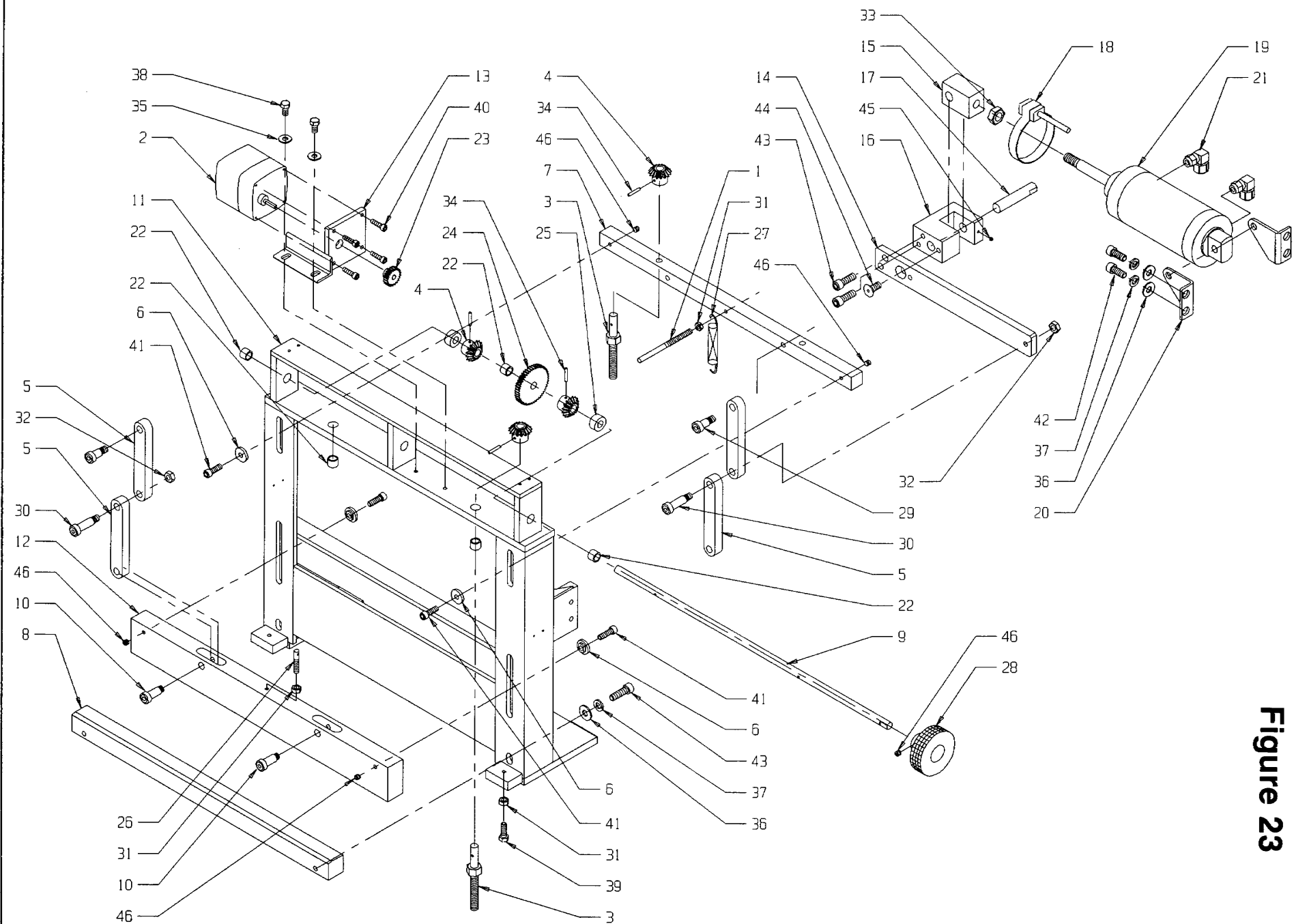


Figure 23

Figure 23. PARTS LIST

ITEM NO.	SICKINGER PART NO.	DESCRIPTION	QUANTITY REQUIRED
1	0110007500	Shaft - Pointer	1
2	0220006600	Gearmotor - 30 RPM	1
3	0425090200	Screw - Adjusting	2
4	0425091400	Gear - Miter	4
5	0425091500	Link - Pivot	4
6	0425091700	Bushing - Guide	4
7	0425091800	Slide	1
8	0425091900	Base - Closing	1
9	0425092500	Shaft - Gear	1
10	0425092700	Shoulder Screw - Modify	2
11	0426090100	Frame - Closing	1
12	0426092000	Ram - Closing	1
13	0426092100	Bracket - Motor	1
14	0426092300	Crosspiece	1
15	0426092800	Clevis - Male	1
16	0426092900	Clevis - Female	1
17	0426093200	Pin - Pivot	1
18	0482019100	Switch - Reed	1
19	0482019200	Cylinder - Air 2 1/2 Bore	1
20	0482019300	Pivot Bracket with Pin	1
21	0482040000	Elbow - Male	2
22	0485028900	Bushing - Bronze 3/8 ID	5
23	0487048500	Spur Gear - Small	1
24	0487048700	Spur Gear - Large	1
25	0750001000	Collar -Clamp 3/8 ID	2
26	0750019700	Spring Anchor	1
27	0750029000	Spring - Extension	1
28	0750088000	Knob - Plastic Knurled	1
29	0750238300	Shoulder Screw - 3/8 Dia.	2
30	0750239300	Shoulder Screw - 3/8 Dia.	2
31	0750304500	Hex. Jam Nut - 1/4-20	4
32	0750307000	Hex. Jam Nut - 5/16-18	2
33	0750315000	Hex. Jam Nut - 1/2-20	1
34	0750362000	Rollpin - 1/8 Dia.	4
35	0750409000	Flat Washer - 3/16	2
36	0750412000	Flat Washer - 5/16	6
37	0750413000	Lock Washer	5
38	0750501000	HHCS - 1/4-20 x 1/2	2
39	0750509000	HHCS - 1/4-20 x 1	2
40	0750711000	SHCS - 8-32 x 1/2	4
41	0750722000	SHCS - 1/4-20 x 1	4
42	0750728500	SHCS - 5/16-18 x 3/4	4
43	0750729000	SHCS - 5/16-18 x 1	4
44	0750870000	FHCS - 5/16-18 x 3/4	1
45	0751019000	Set Screw - 10-24 x 3/8	1
46	0751024000	Set Screw - 1/4-20 x 1/4	4

Figure 24

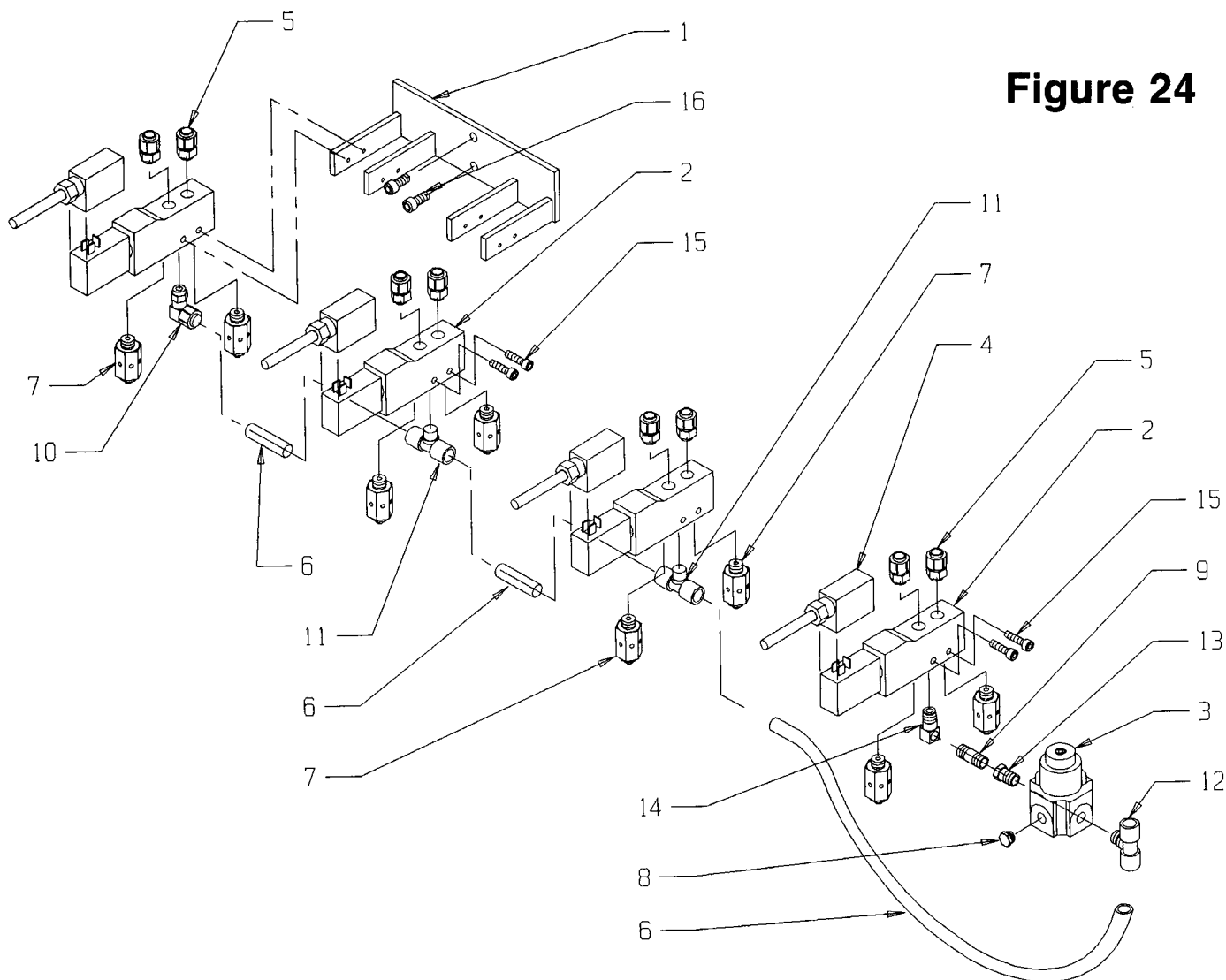


Figure 24. PARTS LIST

ITEM NO.	SICKINGER PART NO.	DESCRIPTION	QUANTITY REQUIRED
1	0426035100	Bracket - Air Valve	1
2	0482006300	Valve - Air	4
3	0482009800	Regulator	1
4	0482017700	Connector with 3ft Lead	4
5	0482034500	Male Connector	8
6	0482035000	Polytube - 1/4	12 in.
7	0482036700	Muffler with Speed Control	8
8	0482038000	Pipe Plug	1
9	0482038700	Close Nipple - 1/8 NPT	1
10	0482039500	Elbow - Male	1
11	0482043700	Male Tee	2
12	0482044500	Male Tee	1
13	0482051200	Reducer Bushing	1
14	0482052200	Elbow - Fitting	1
15	0750708000	SHCS - 6-32 X 1	8

Figure 25

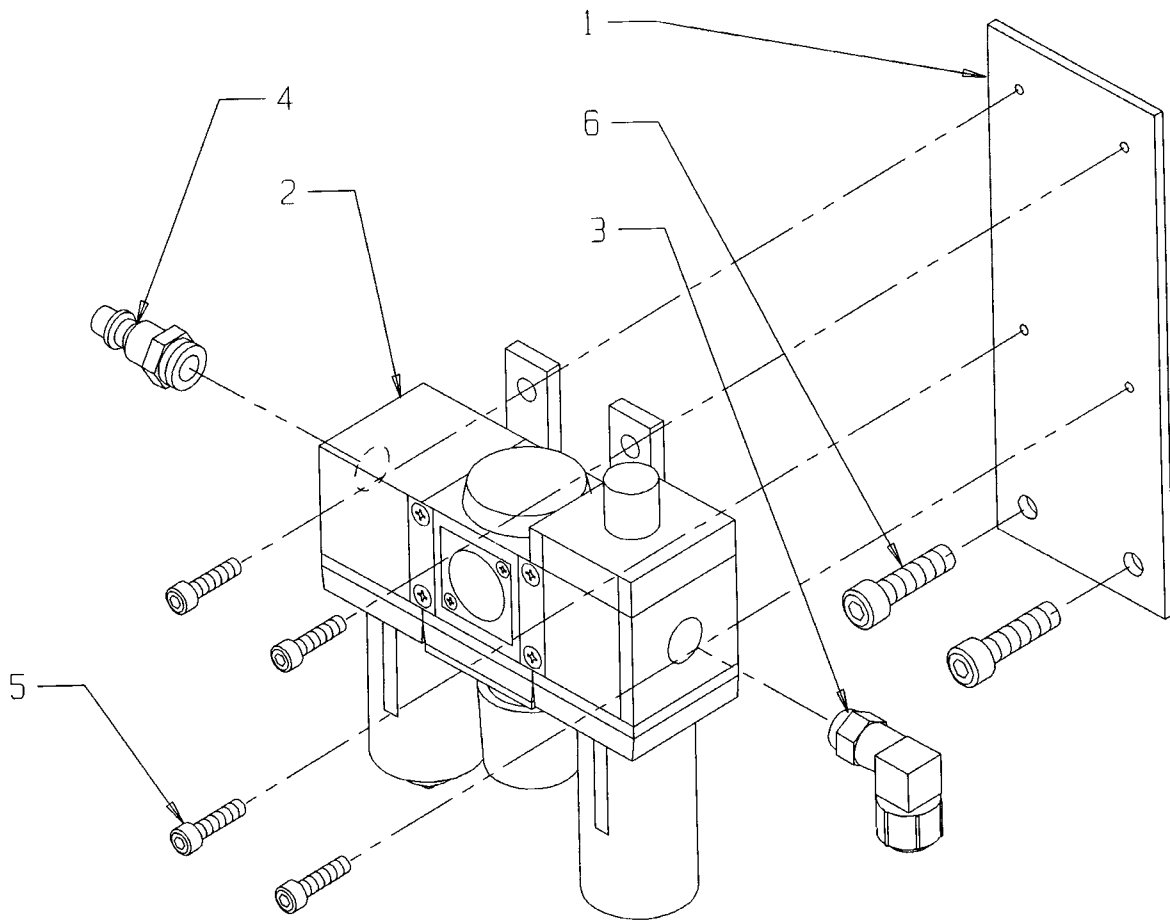


Figure 25. PARTS LIST

ITEM NO.	SICKINGER PART NO.	DESCRIPTION	QUANTITY REQUIRED
1	0426040100	Bracket - FRL	1
2	0482010400	Filter Regulator	1
3	0482040000	Elbow - Male	1
4	0482044700	Male Connector	1
5	0750714000	SHCS - 10-24 X 1/2	4
6	0750719000	SHCS - 1/4-20 X 1/2	2

Figure 26

This exploded view diagram illustrates the assembly of a terminal block. The components are identified by the following numbers:

- 1:** A set of six hex nuts, each with a threaded insert, intended for the main terminal block.
- 2:** A large hex nut with a threaded insert, intended for the side terminal block.
- 3:** A long terminal block with multiple screw terminals.
- 4:** A side terminal block with a single screw terminal.
- 5:** A set of six screws, each with a washer, intended for the main terminal block.
- 6:** A set of two screws, each with a washer, intended for the side terminal block.

Dashed lines indicate the alignment and assembly path for each component.

11. *Journal of the American Medical Association*, 2000; 283: 2689-2696.