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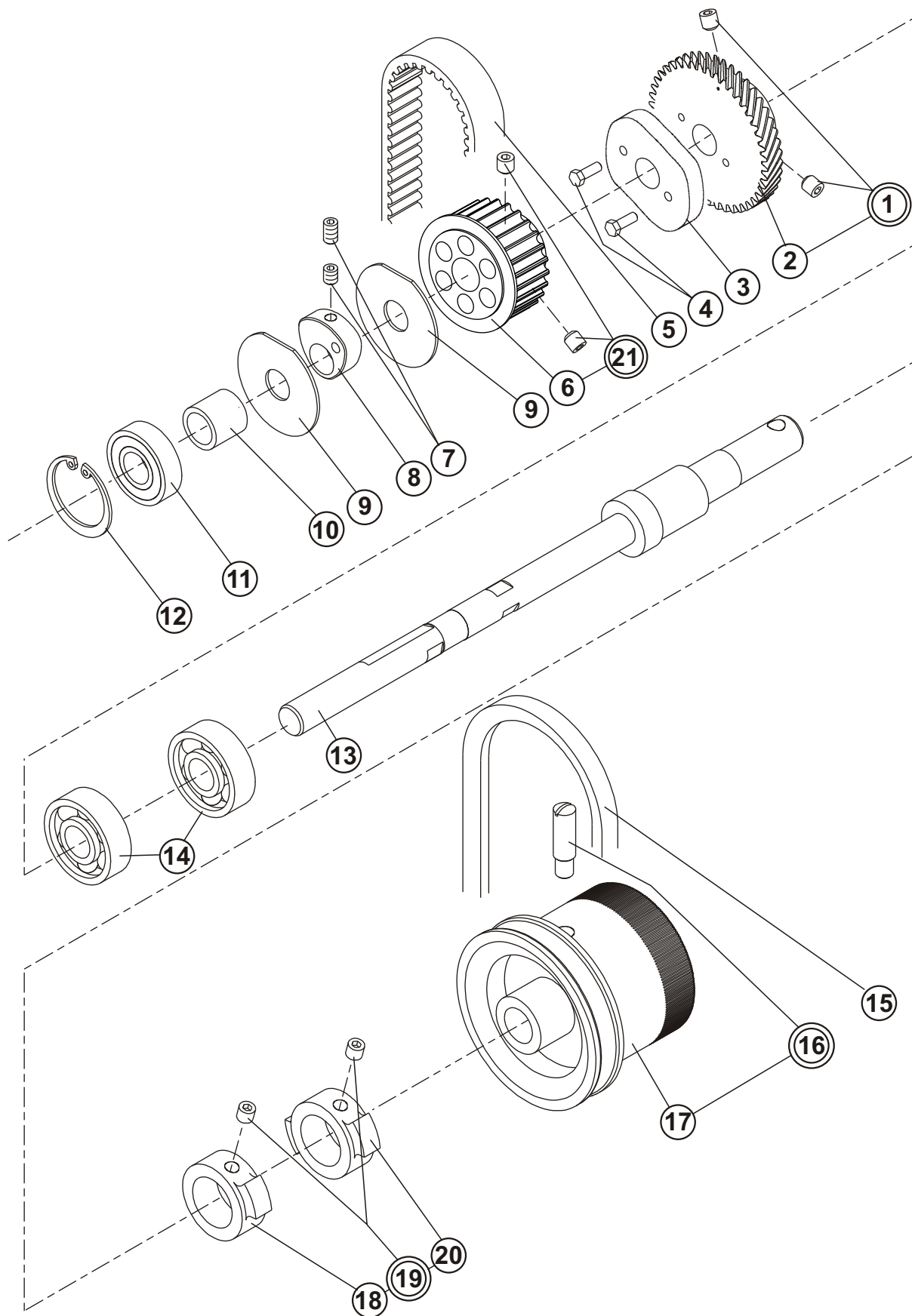
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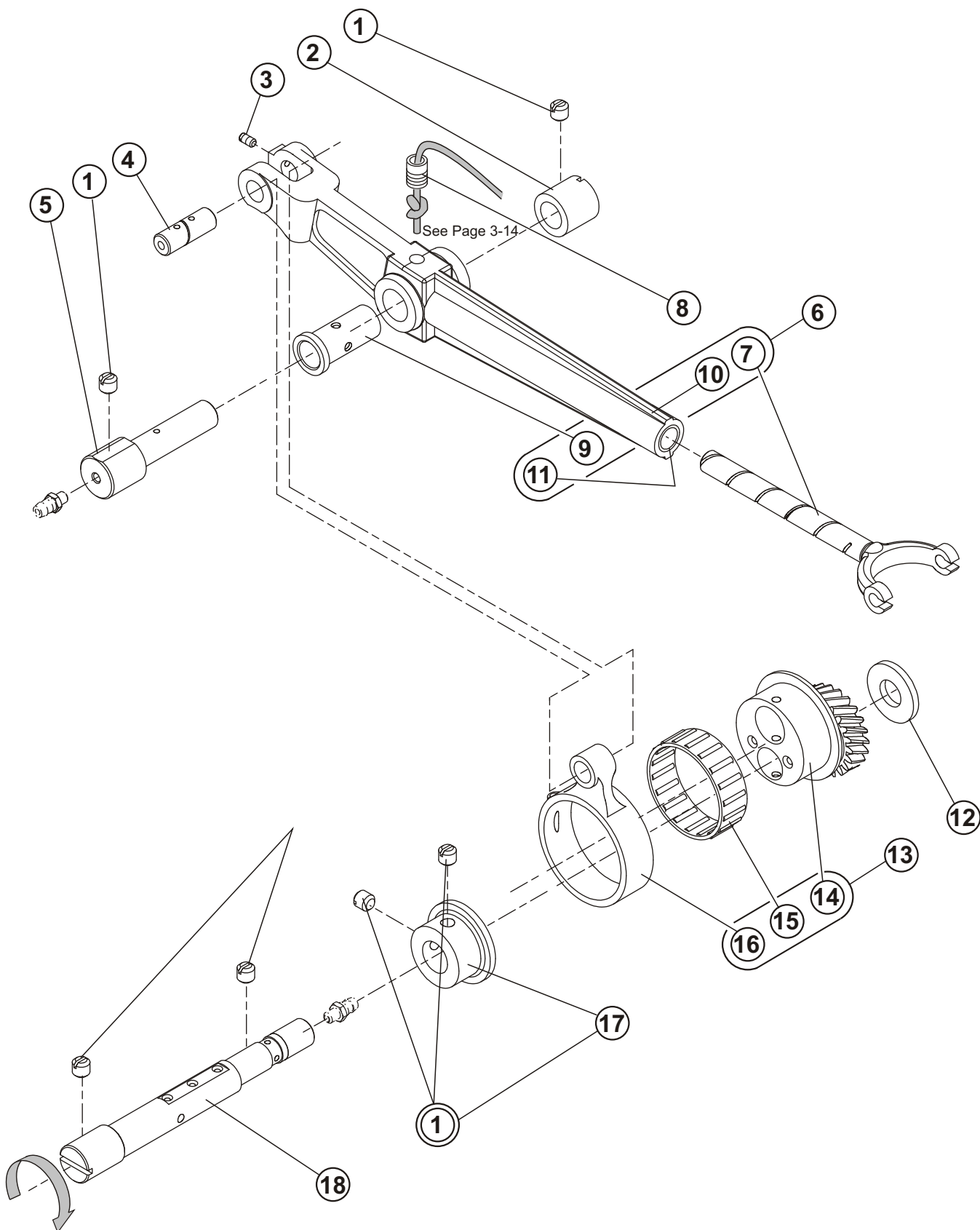
MAIN STITCH SHAFT



MAIN STITCH SHAFT

DET	PART NUMBER	DESCRIPTION	QTY.
01	08.6400.6.008	Screw M6x8	(2)
02	19.0055.2.402	Gear	1
03	19.0067.2.416	Cam	1
04	17.0014.1.071	Screw M4x14	2
05	12.5050.2.008	Timing Belt ●●●	1
06	19.0055.4.431	Pulley ●●	1
07	08.6400.5.005	Screw M5x5	2
08	19.0067.2.415	Counterweight	1
09	17.0081.4.376	Washer	2
10	19.0041.0.689	Shaft Bushing	1
11	12.2010.0.011	Bearing	1
12	12.1040.1.002	U-Clip	1
13	19.0034.9.403	Shaft	1
14	12.2010.0.023	Bearing	2
15	12.5050.1.008	V-Belt ●●●	1
16	18.0011.3.400	Screw	(1)
17	19.0051.0.409	Pulley ●	1
18	19.0044.1.624	Ring Sensor	1
19	17.0011.2.013	Screw	(2)
20	19.0044.1.625	Sensor Ring	1
21	08.6400.6.006	Screw M6x6	(2)

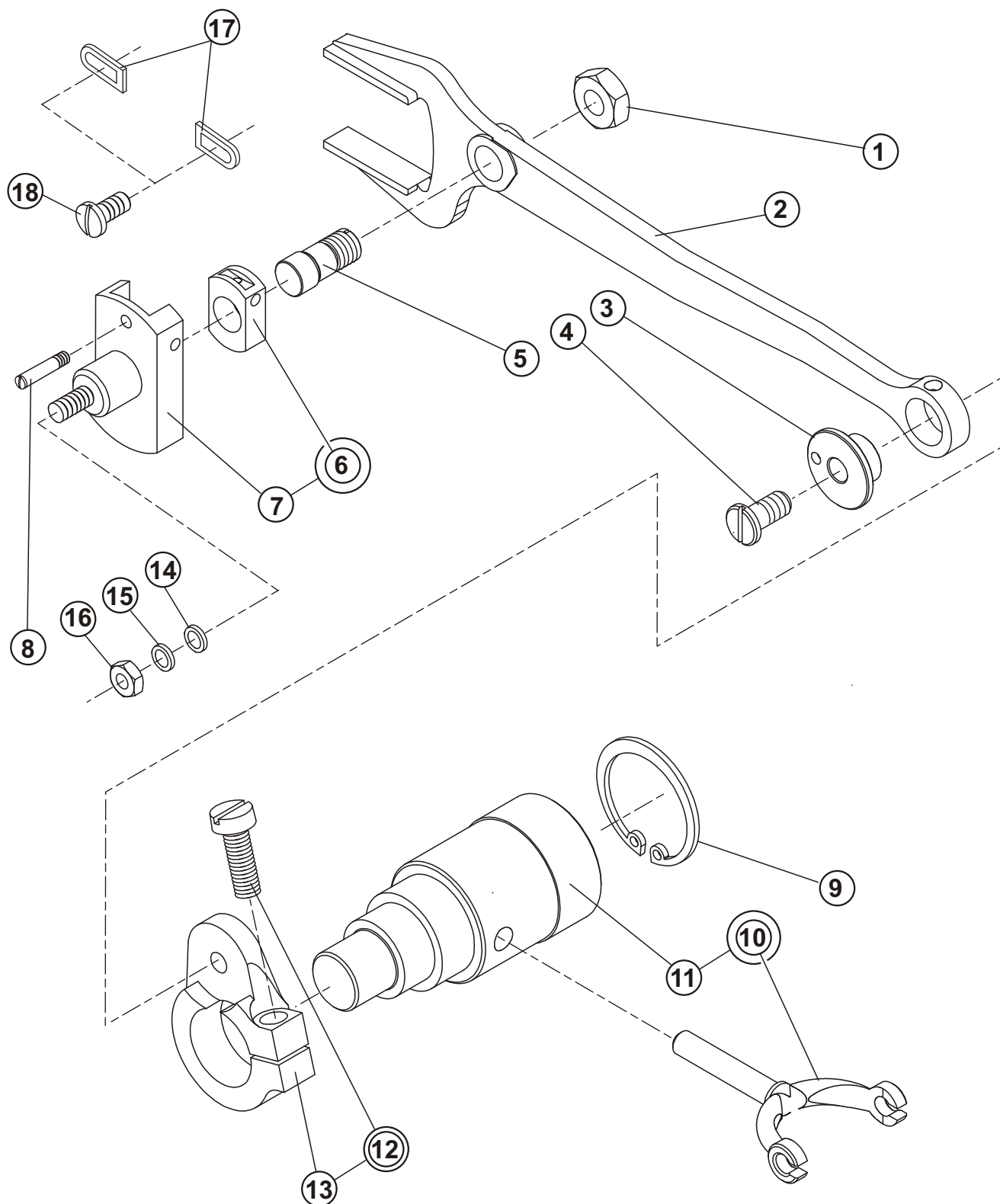
NEEDLE BAR DRIVE



NEEDLE BAR DRIVE

DET	PART NUMBER	DESCRIPTION	QTY.
01	08.6400.6.006	Screw	4+(2)
02	19.0041.6.402	Bushing	1
03	17.0012.0.290	Screw	1
04	19.0031.8.416	Pin	1
05	19.0032.6.400	Pin	1
06	19.0002.8.108	Needle Bar Lever Assembly	1
07	19.0063.4.404	Yoke	(1)
08	19.0011.8.403	Holder	1
09	19.0042.1.408	Bushing ●●	(1)
10	—————	Part Of Assembly Only ●	(1)
11	—————		(1)
12	19.0019.0.693	Washer	1
13	19.0002.4.407	Eccentric Assembly	1
14	—————	Part Of Assembly Only	(1)
15	12.2050.0.004	Bearing ●●●	(1)
16	19.0063.0.402	Rick Link	(1)
17	19.0043.6.442	Ring	1
18	19.0033.8.405	Plug	1

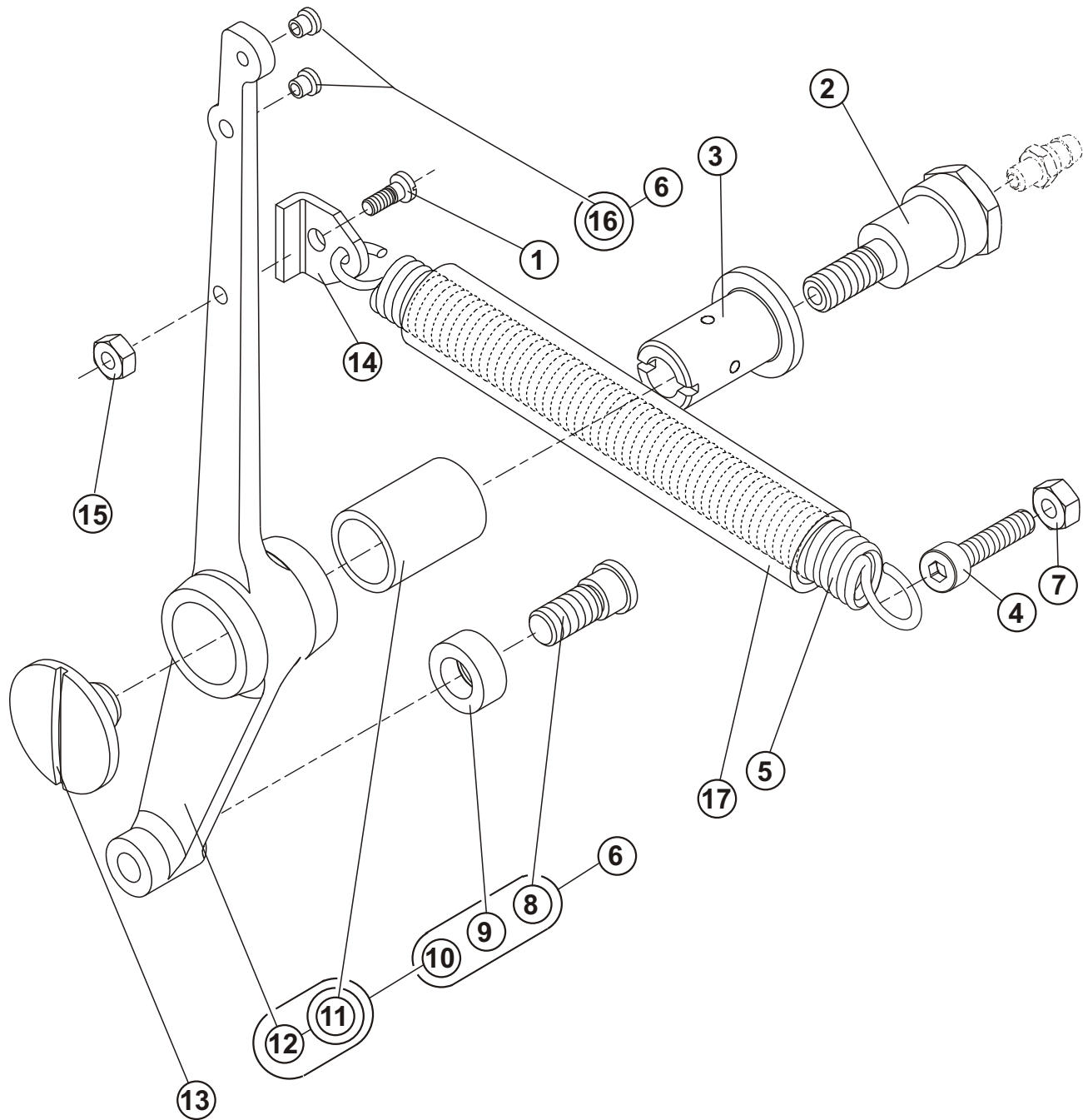
BITE ADJUSTMENTS AND BARRELL



BITE ADJUSTMENTS AND BARRELL

DET	PART NUMBER	DESCRIPTION	QTY.
01	17.0016.1.190	Nut M8x1	1
02	19.0063.4.403	Fork Lever	1
03	19.0067.1.025	Eccentric	1
04	19.0012.0.691	Screw	1
05	17.0033.1.109	Screw	1
06	—	Block	(1)
07	19.0064.1.101	Bracket	1
08	19.0011.1.402	Screw	1
09	12.1040.1.007	Retainer Ring	1
10	19.0063.4.400	Yoke Fork	(1)
11	19.0044.5.406	Vibrator ●	1
12	17.0012.1.169	Screw	(1)
13	19.0063.6.454	Rocking Lever ●	1
14	17.0019.0.517	Washer	3
15	17.0019.0.233	Washer	1
16	08.6710.8.400	M8 Nut	1
17	17.0081.5.047	Lath	2
18	08.6010.4.006	M4x6 Screw	2

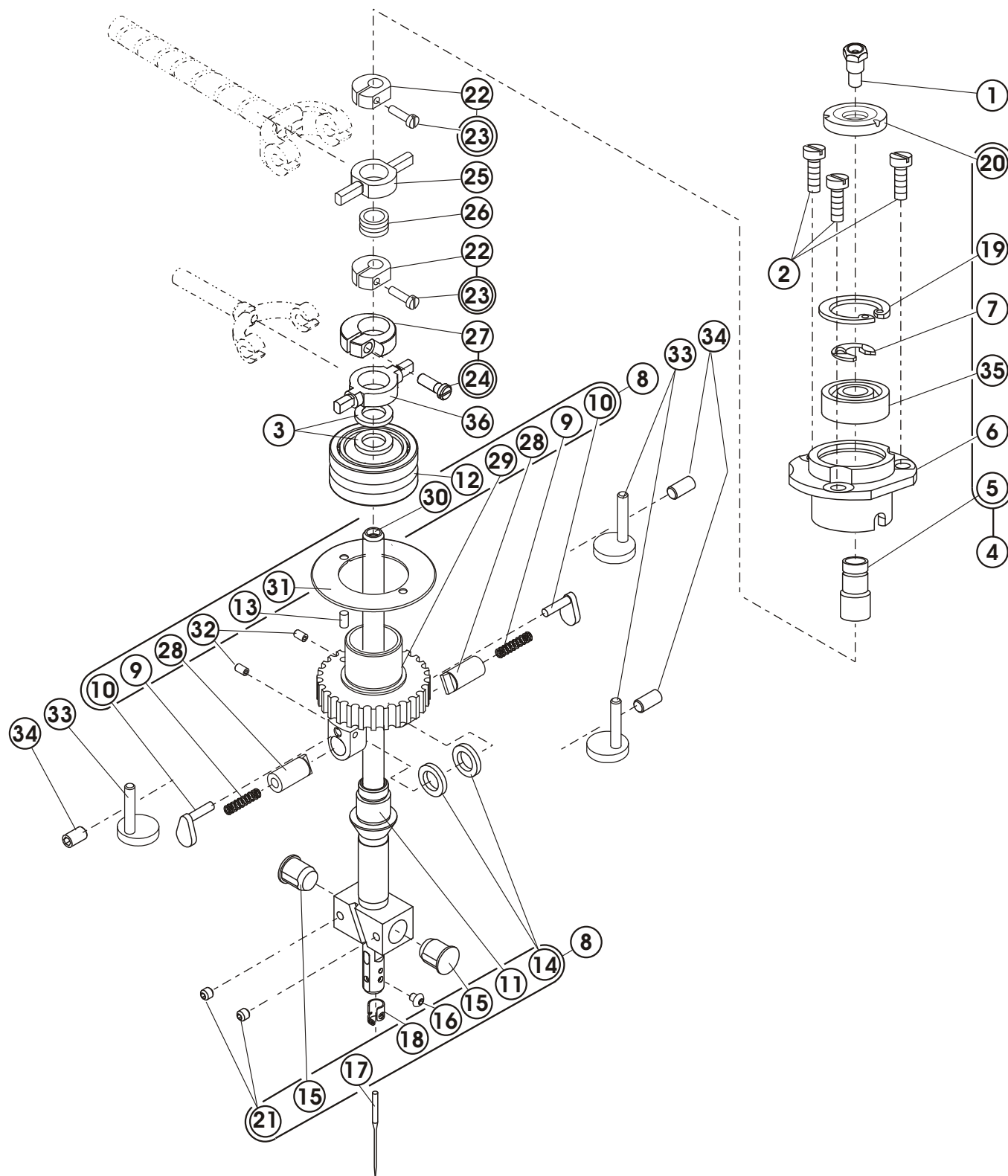
TAKE — UP LEVER



TAKE — UP LEVER

DET	PART NUMBER	DESCRIPTION	QTY.
01	08.6032.3.008	Screw	1
02	19.0014.3.404	Screw	1
03	19.0033.8.403	Stud	1
04	08.6000.4.020	Screw	1
05	12.3011.0.013	Spring	1
06	19.0002.8.104	Take-Up Lever Assembly	1
07	08.6700.4.000	Nut	1
08	19.0033.2.401	Screw	(2)
09	17.0041.8.152	Roll	(1)
10	19.0063.3.400	Take-Up Lever	(1)
11	12.2080.0.002	Bushing	((1))
12	—————	Part Of Assembly Only 19.0063.3.400 ●	(1)
13	17.0015.3.022	Screw	1
14	19.0082.3.461	Spring Holder	1
15	08.6700.3.000	Nut	1
16	—————	Bushing, Thread Lever	(2)
17	12.0008.3.681	Air Tubing L = 108 mm	1

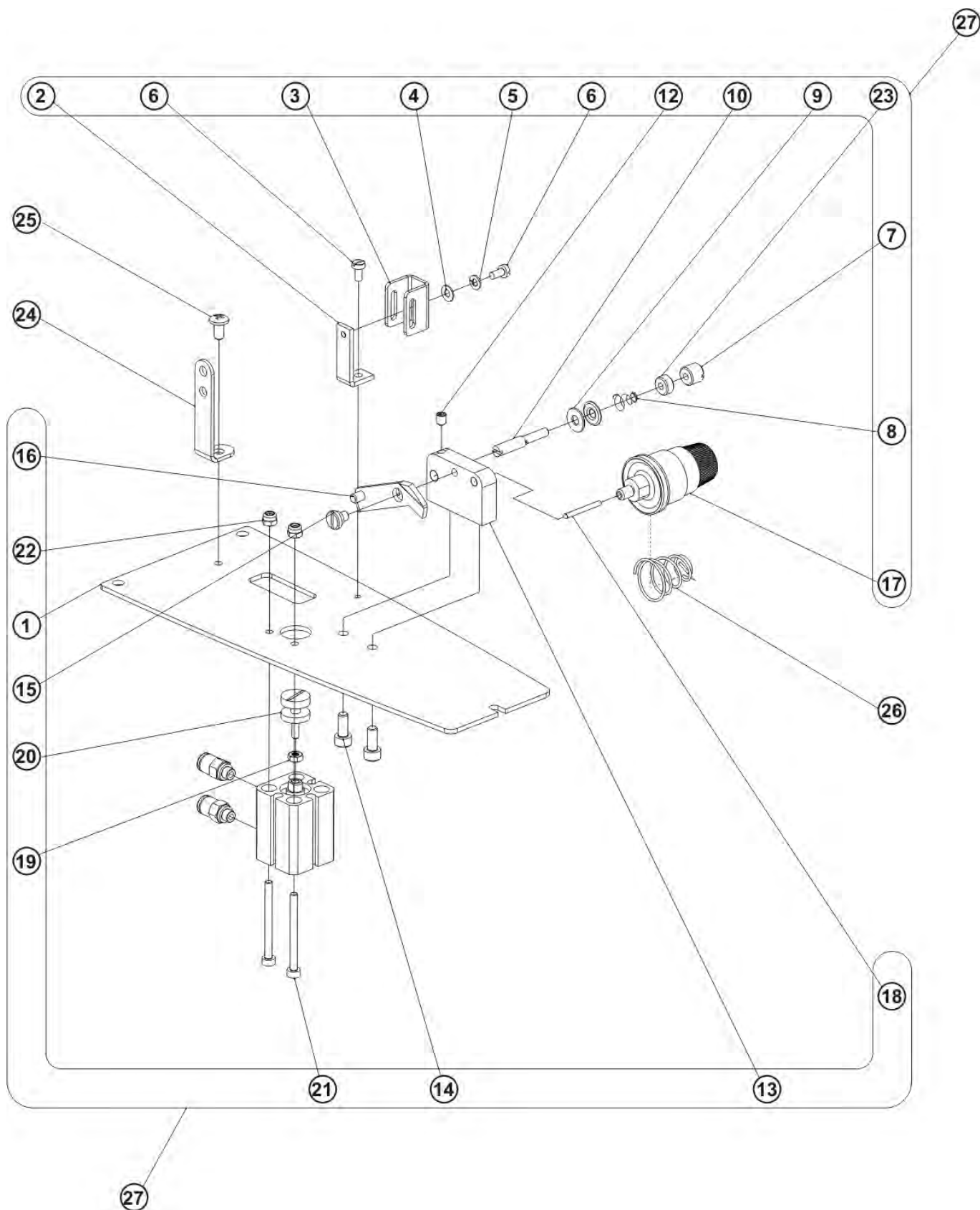
NEEDLE BAR AND GEAR



NEEDLE BAR AND GEAR

DET	PART NUMBER	DESCRIPTION	QTY.
01	14.1032.3.000	Bushing	1
02	08.6012.4.010	Screw	3
03	19.0019.0.688	Washer	2
04	19.0002.4.402	Needle Bar Guide Assembly	1
05	17.0042.1.283	Bushing	(1)
06	19.0044.5.403	Bushing	(1)
07	17.0027.4.035	Retaining Ring	(1)
08	19.0002.1.403	Needle Bushing Assembly	1
09	01.5003.0.000	Spring	(2)
10	10.1021.2.000	Retainer Spring	(2)
11	19.0041.6.401	Block	(1)
12	12.2050.1.010	Bushing	1
13	17.0031.0.359	Pin 3x6	(1)
14	17.0019.1.062	Retainer Washer	(2)
15	14.1025.3.000	Needle Bar Button	(2)
16	19.0011.1.401	Screw	(1)
17	02.0558.0.111	Needle	1
18	19.0082.1.414	Thread Guide	(1)
19	12.1040.1.001	Ring	(1)
20	17.0044.2.229	Washer	(1)
21	18.0011.2.400	Screw	(2)
22	17.0043.6.277	Clamp Nut Kit	● 2
23	17.0012.0.120	Screw	(2)
24	17.0012.0.543	Screw	(1)
25	19.0045.3.402	Gimbal	1
26	19.0041.0.692	Bushing	1
27	17.0043.6.351	Adjustable Collar	● 1
28	17.0031.3.027	Guide	(1)
29	19.0055.4.403	Needle Bar Gear	● (1)
30	14.1028.4.000	Needle Bar	(1)
31	19.0019.0.687	Washer	(1)
32	08.6400.3.005	Screw M3x5	(2)
33	19.0033.8.406	Retainer	3
34	08.6400.4.010	Screw	3
35	12.2010.1.001	Bushing 108	(1)
36	19.0045.3.400	Gimbal Head	1

THREAD RELEASE

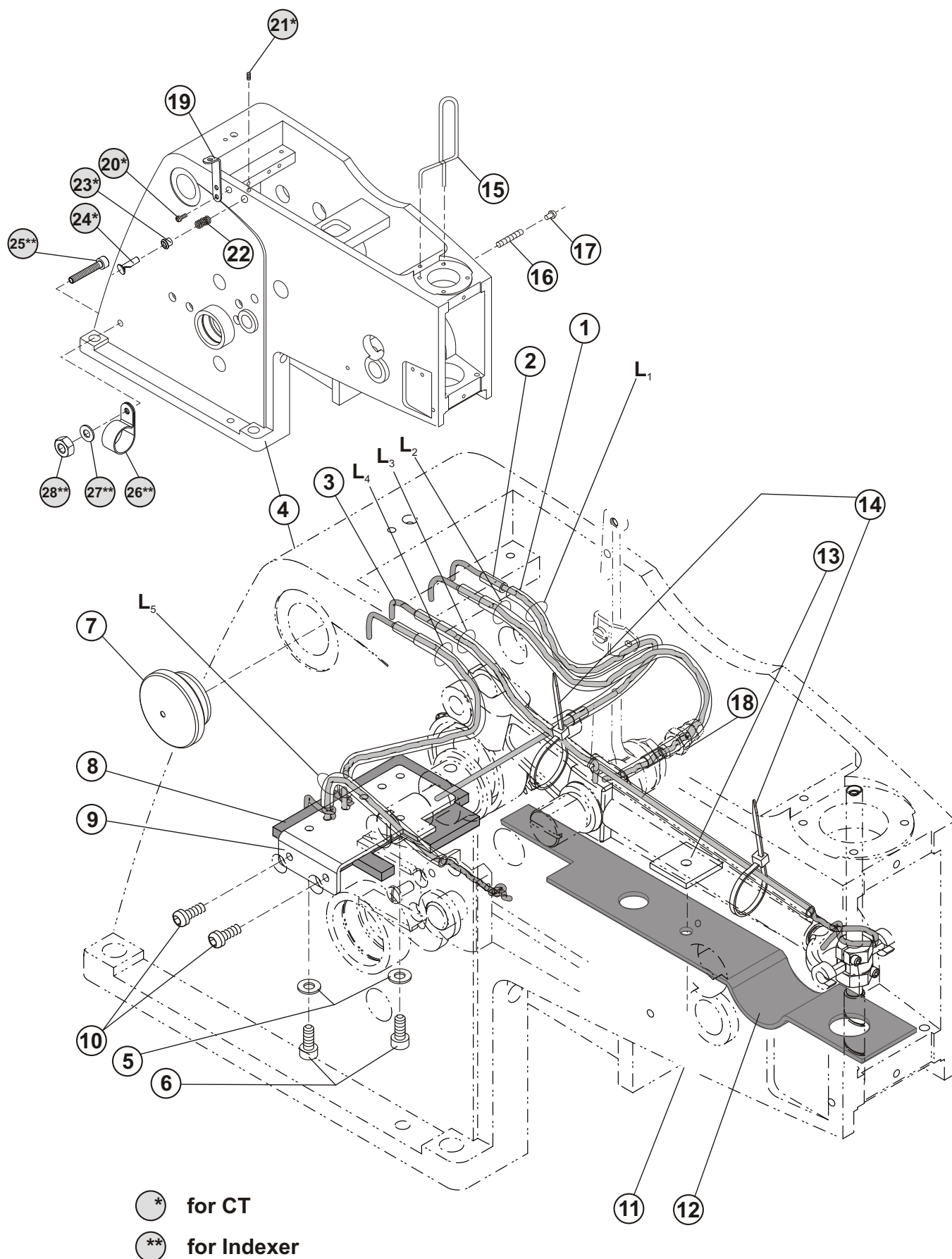


THREAD RELEASE

DET	PART NUMBER	DESCRIPTION	QTY.
01	19.0081.5.478	COVER	(1)
02	19.0082.1.410	GUIDE	(1)
03	19.0082.1.409	GUIDE	(1)
04	08.6802.3.000	WASHER 3,2 DIN 125A	(1)
05	08.6802.3.000	NUT M3 DIN 128	(1)
06	08.6012.3.006	SCREW M3-6 ISO 1207	(2)
07	19.0017.2.403	NUT	(1)
08	17.0026.2.054	SPRING	(1)
09	17.0082.8.017	TENSION DISC	(2)
10	19.0011.8.404	STUD	(1)
10*	19.0011.8.406	STUD (pouze RDE)	1
12	08.6400.4.005	SCREW M4-5 DIN 916	(1)
13	19.0064.6.504	BLOCK	(1)
14	08.6000.4.010	SCREW M4-10 DIN912	(2)
15	24.0061.0.000	THREAD TAKE-UP SHOULDER SCREW	(1)
16	19.0082.2.531	LEVER	(1)
17	24.0119.0.050	TENSION ASSY. , LARGE ●●●	(1)
18	10.1010.3.000	ROD	(1)
19	08.6700.3.000	NUT M3 DIN934	(1)
20	19.0033.2.412	STUD	(1)
21	08.6000.3.035	SCREW M3-35 DIN912	(2)
22	08.6733.3.000	NUT M3 DIN 985	(2)
23	19.0017.2.404	NUT	(1)
24	05.0043.1.000	THREAD GUIDE	1
25	08.6032.4.008	SCREW M4-8 DIN 7985-A	1
26	17.0026.2.072	SPRING	1
27	19.8000.1.013	THREAD TENSION ASSY.	1

*	RDE only
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HEAD AND LUBRICATION



HEAD AND LUBRICATION

DET	PART NUMBER	DESCRIPTION	QTY.
01	19.0094.2.412	Oil Tube $L_1 = 150 \text{ mm}$ $L_2 = 150 \text{ mm}$ $L_3 = 225 \text{ mm}$ $L_4 = 180 \text{ mm}$ $L_5 = 120 \text{ mm}$	1
02	19.0094.2.409	Joint PM	7
03	19.0094.5.412	Wick $L_1 = 400 \text{ mm}$ $L_2 = 400 \text{ mm}$ $L_3 = 550 \text{ mm}$ $L_4 = 450 \text{ mm}$ $L_5 = 200 \text{ mm}$	1
04	19.0071.3.403	Head	1
05	08.6000.4.010	Screw	2
06	08.6850.4.000	Washer	2
07	17.0095.1.329	Oil Indicator	1
08	19.0094.5.402	Felt	1
09	19.0082.3.407	Plate	1
10	08.6200.4.008	Screw	2
11	08.6000.4.020	Screw	1
12	19.0094.5.401	Felt	1
13	19.0081.5.415	Plate	1
14	12.0008.3.023	Ty-wrap	2
15	17.0027.1.419	Guard	1
16	08.6400.4.010	M4x10 Screw	1
17	12.0008.4.570	Plug	1
18	19.0044.1.623	Nipple	1
19	05.0043.1.000	Thread Smoother	1
20	08.6032.4.008	Screw	1
21*	08.6400.4.004	Screw	1
22*	01.5002.0.000	Spring	1
23*	10.1009.0.000	Bushing	1
24*	10.1008.0.000	Guide	1
25**	08.6000.4.025	Screw	1
26**	12.0008.4.100	Clamp	1
27**	08.6850.4.000	Washer	1
28**	08.6700.4.000	Nut	1

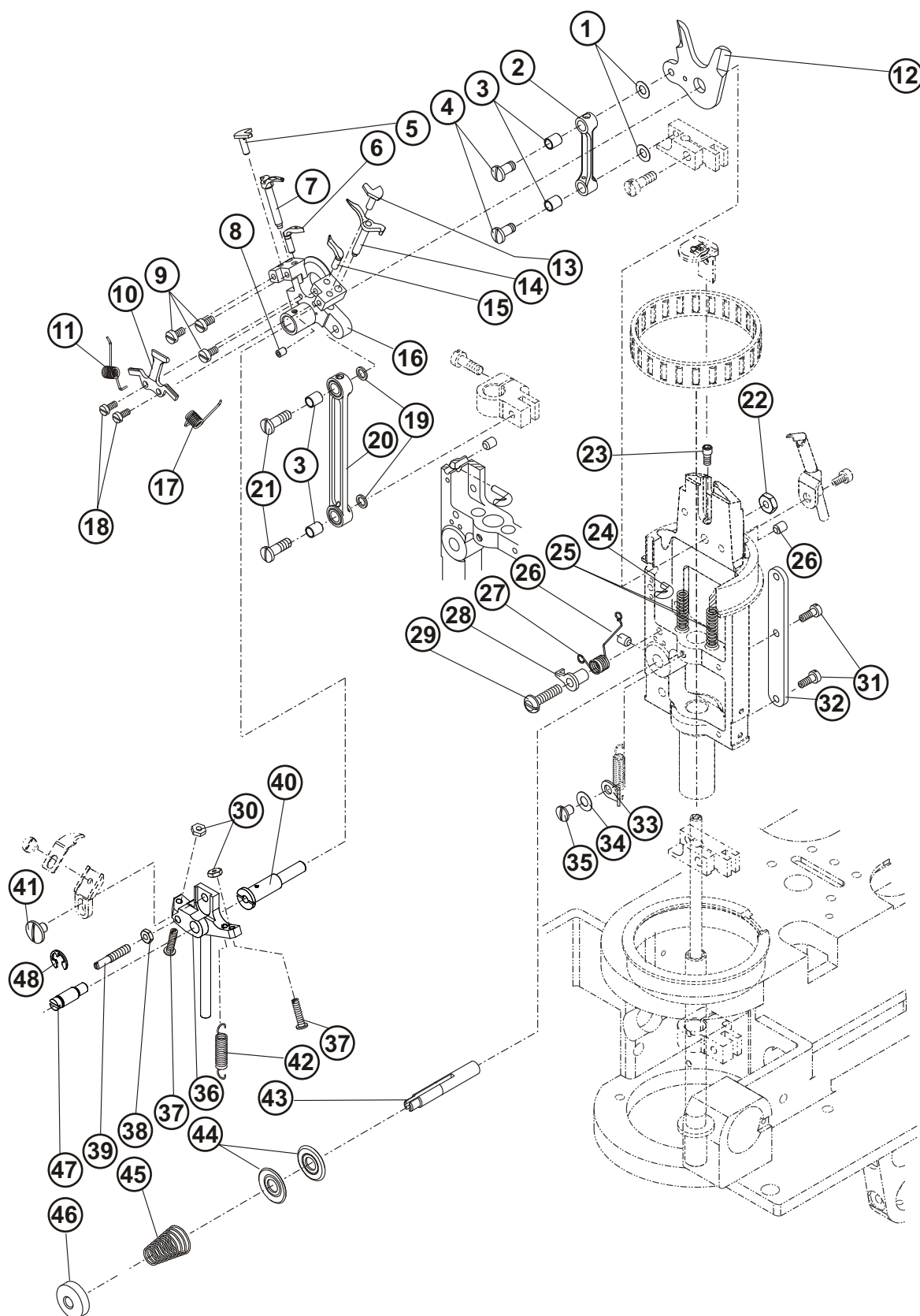
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CT - modification

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Indexer modification

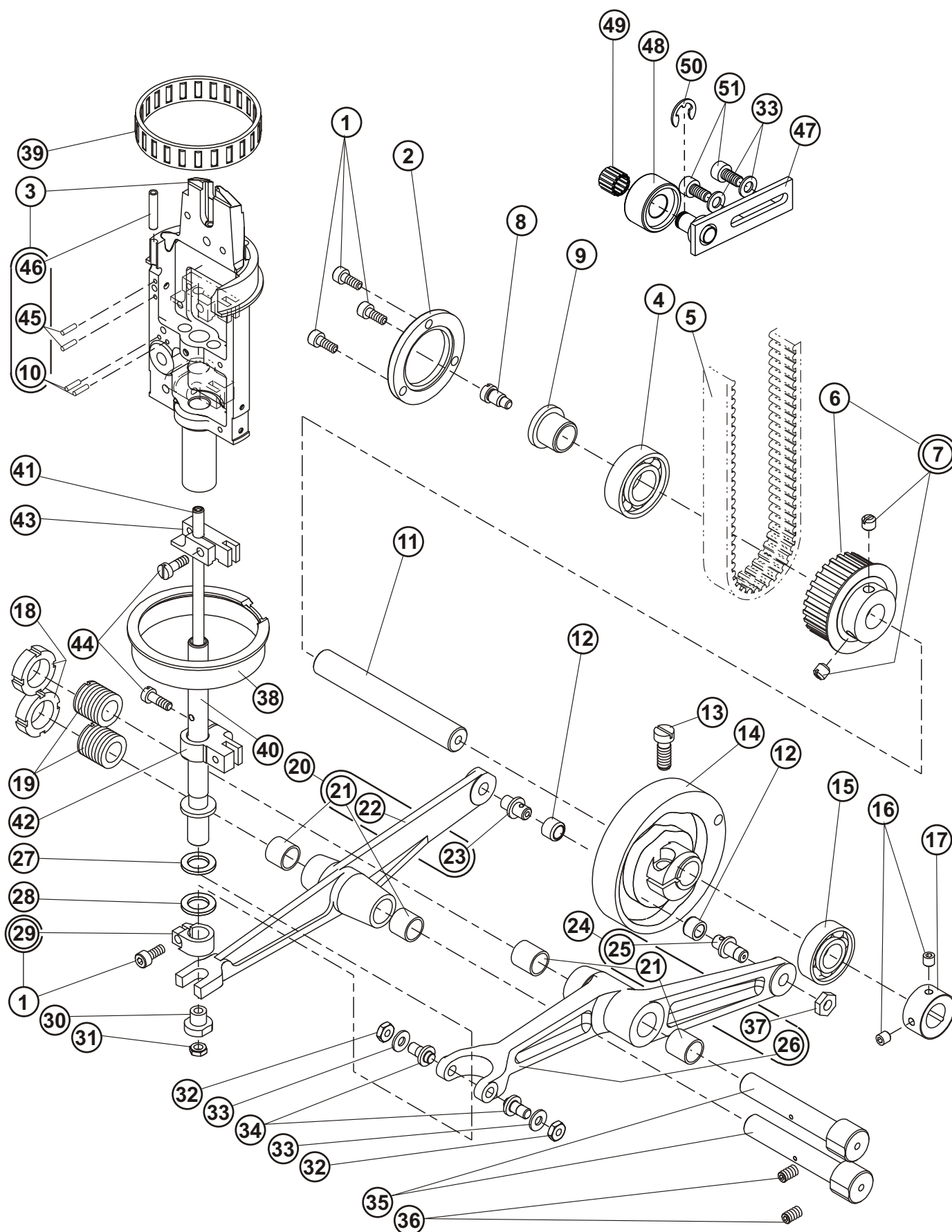
RACE



RACE

DET	PART NUMBER	DESCRIPTION	QTY.
01	17.0019.0.228	Washer	2
02	19.0063.1.073	Spreader Link	1
03	17.0041.1.094	Roll	4
04	17.0012.1.140	Screw	2
05	19.0033.8.407	L.H. Spreader Stop	1
06	17.0069.4.049	Eye Looper 0,8	1
07	17.0004.9.895	Forked Spreader	1
08	08.6400.3.004	Screw	1
09	08.6010.3.005	Screw	3
10	10.4010.2.000	Needle Guard	1
11	01.5620.0.000	L.H. Spring	1
12	18.0081.8.706	Spreader Wedge	1
13	19.0033.8.408	R.H. Spreader Stop	1
14	17.0004.9.894	R.H. Spreader	1
15	17.0069.4.048	Blind Looper	1
16	19.0074.4.542	Looper Carrier ●	1
17	01.5619.0.000	R.H. Spring	1
18	17.0012.0.404	Screw	2
19	17.0019.1.088	Washer	2
20	17.0004.4.829	Looper Link ●	1
21	17.0012.1.142	Screw	2
22	08.6700.5.000	Nut	1
23	17.0012.2.400	Screw	1
24	19.0027.1.615	Thread Guide	1
25	17.0026.0.215	Spring	2
26	08.6400.4.005	Screw	2
27	17.0026.4.035	Spring	1
28	17.0064.7.162	Plate	1
29	08.6200.4.012	Screw	1
30	08.6700.3.000	Nut	2
31	08.6000.3.008	Screw	2
32	17.0081.5.082	Bracket	1
33	17.0082.5.235	Plate	1
34	08.6850.4.000	Washer	1
35	17.0012.4.105	Screw	1
36	19.0005.2.214	Lever	1
37	17.0013.6.081	Screw	2
38	17.0016.1.214	Nut	1
39	19.0011.0.400	Screw	1
40	19.0033.5.404	Looper Carrier Stud	1
41	17.0012.4.106	Screw	1
42	17.0026.3.173	Spring	1
43	19.0011.8.405	Stud	1
44	17.0082.8.083	Tension Plate	2
45	17.0026.2.400	Spring	1
46	17.0017.1.059	Nut	1
47	19.0033.1.405	Stud	1
48	12.1045.0.004	E-Clip	1

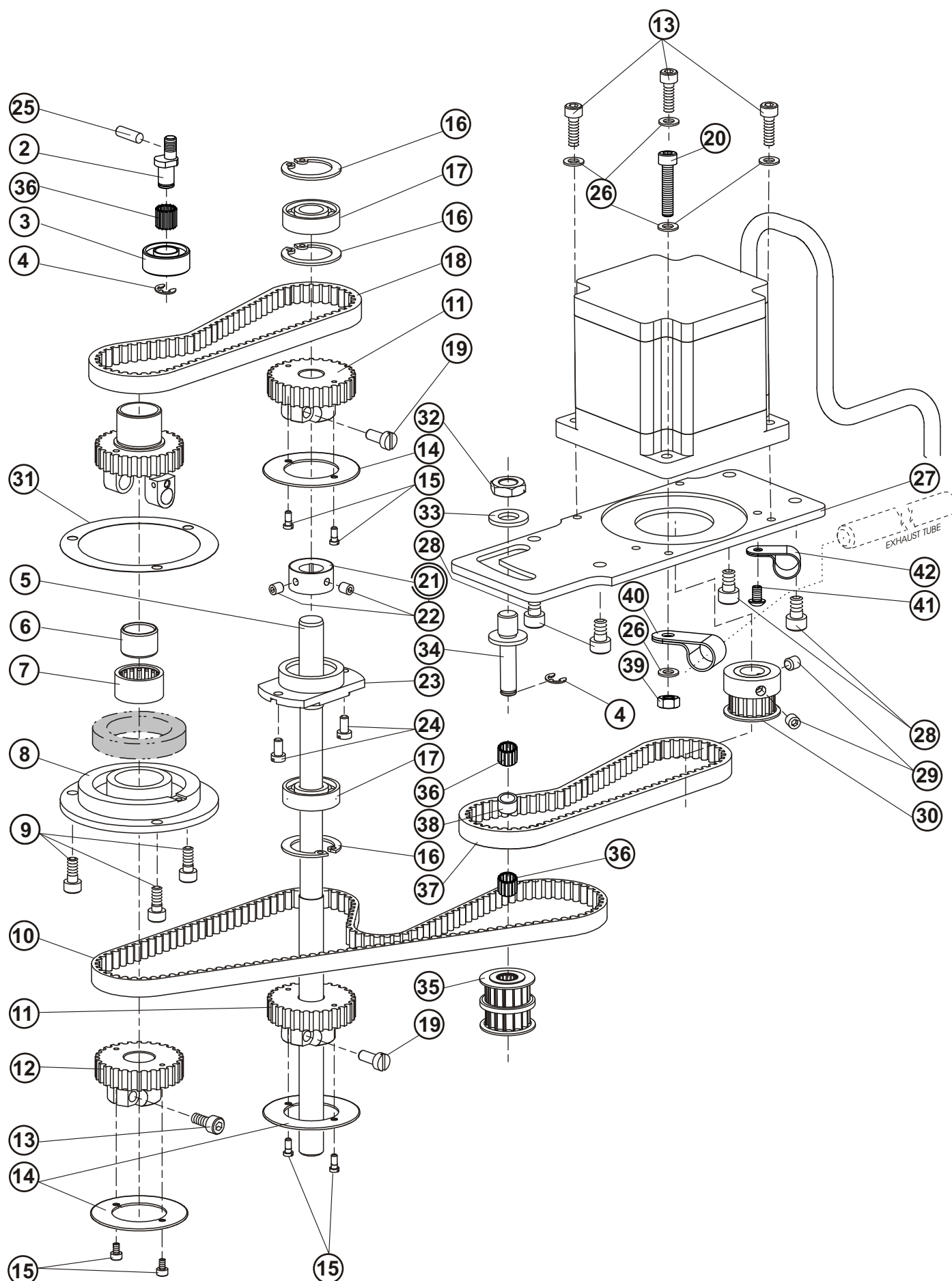
STITCH SHAFT AND DRIVE



STITCH SHAFT AND DRIVE

DET	PART NUMBER	DESCRIPTION	QTY.
01	08.6000.4.010	Screw	3+1
02	19.0044.5.401	Flange	1
03	19.0071.7.404	Race ●	1
04	12.2010.0.021	Bushing	1
05	See Page 3-2	Timing Belt	—
06	19.0055.4.430	Gear ●	1
07	08.6400.6.006	Screw	(2)
08	17.0013.2.090	Screw	1
09	19.0042.2.400	Bushing	1
10	17.0031.0.406	Pin	(2)
11	19.0034.0.409	Shaft	1
12	19.0041.8.401	Roll	2
13	17.0012.0.113	Screw	1
14	19.0067.4.401	Cam	1
15	12.2010.0.011	Bushing	1
16	08.6400.5.305	Screw	2
17	17.0043.6.018	Set Screw Collar	1
18	19.0016.3.403	Nut	2
19	19.0013.6.400	Thread Insert	2
20	19.0063.6.442	Spreader Rocker	1
21	19.0041.0.693	Bushing ●●	(4)
22	—————	Part Of Assembly Only 19.0063.6.442 ●	(1)
23	—————	Part Of Assembly Only 19.0063.6.442	(1)
24	19.0063.6.443	Lever, Looper	1
25	19.0033.3.401	Stud	(1)
26	—————	Part Of Assembly Only 19.0063.6.443 ●	(1)
27	19.0019.0.686	Washer	1
28	17.0019.0.398	Washer	1
29	19.0043.6.441	Looper Drive Shaft Collar	1
30	19.0041.2.404	Roll	1
31	17.0027.4.045	Ring Clip	1
32	08.6710.5.000	Nut	2
33	08.6850.5.000	Washer	4
34	17.0033.3.131	Stud	2
35	19.0032.6.401	Shaft	2
36	08.6400.5.008	Screw	2
37	17.0016.1.094	Nut	(1)
38	19.0042.1.406	Bushing	1
39	12.2050.0.008	Bushing	1
40	19.0034.6.402	Shaft	1
41	19.0034.6.403	Shaft	1
42	17.0074.4.405	Clamp	1
43	18.0064.6.427	Clamp ●	1
44	08.6010.4.012	Screw	2
45	19.0031.3.407	Pin	(2)
46	19.0084.1.613	Tube	(1)
47	19.0033.8.412	Tightener Roller	1
48	19.0041.0.697	Roll	1
49	12.2050.0.007	Bearing	1
50	17.0027.4.085	Lockwasher	1
51	08.6000.5.010	Screw	2

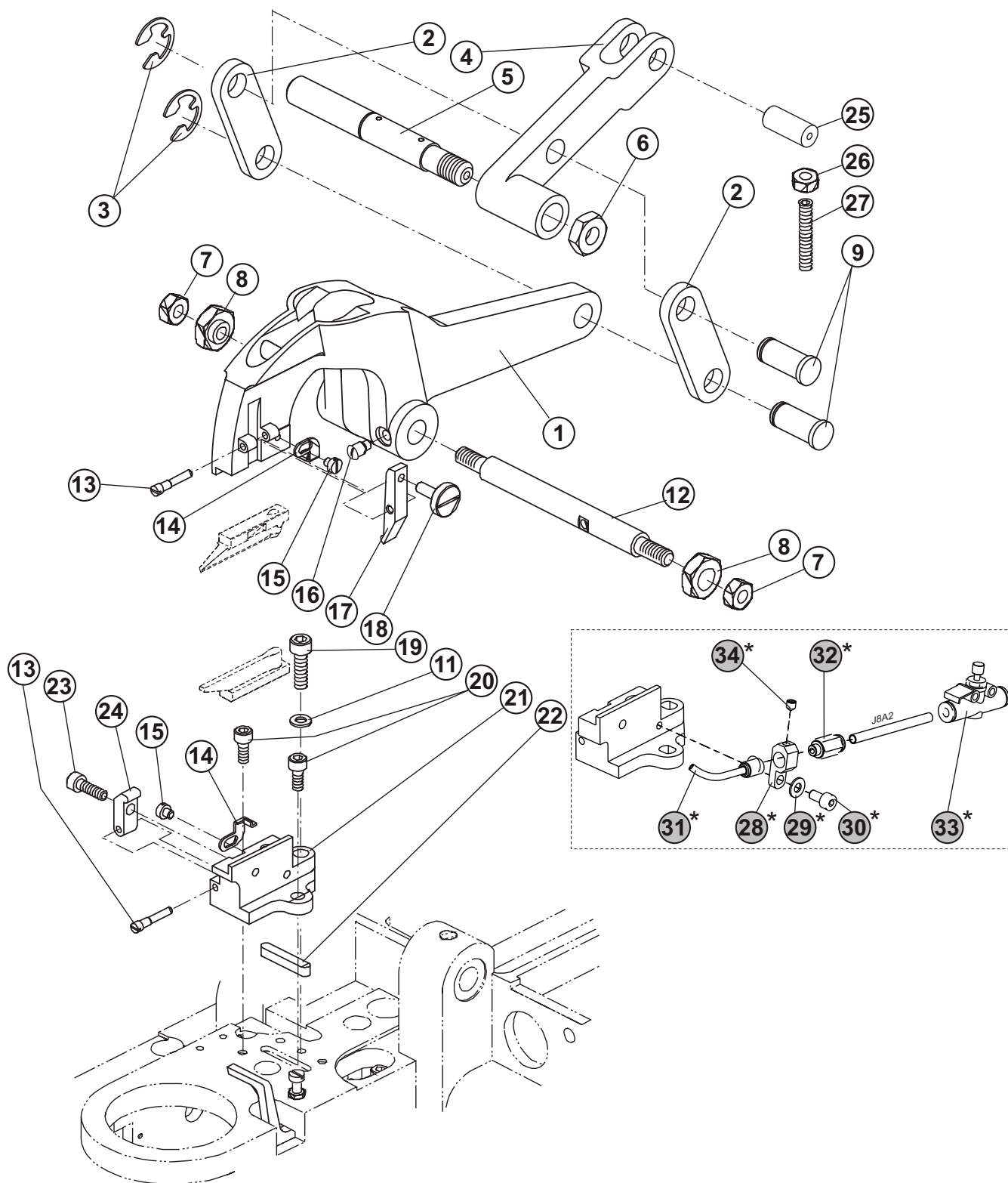
TURNING MECHANISM



TURNING MECHANISM

DET	PART NUMBER	DESCRIPTION	QTY.
01			
02	19.0033.8.409	Tension Pulley Shaft	1
03	19.0041.0.696	Roll ●●●	1
04	17.0027.4.085	E-Clip	2
05	19.0034.1.401	Shaft	1
06	12.2099.1.009	Bearing	1
07	12.2050.1.007	Bearing	1
08	19.0042.5.401	Flange	1
09	08.6000.5.012	Screw	3
10	12.5050.2.018	Timing Belt ●●●	1
11	19.0055.4.407	Cear ●	2
12	19.0055.4.406	Gear ●	1
13	08.6000.5.016	Screw	4
14	19.0019.0.682	Washer	3
15	08.6000.3.005	Screw	6
16	12.1040.1.002	Retaining Ring	3
17	12.2010.0.011	Bearing	2
18	12.5050.2.006	Timing Belt ●●●	1
19	08.6010.5.016	Screw	2
20	08.6000.5.025	Screw	1
21	17.0043.6.018	Set Screw Collar	1
22	08.6400.5.305	Screw	(2)
23	19.0044.5.402	Flange	1
24	17.0012.0.218	Screw	2
25	08.6400.4.008	Screw	2
26	08.6850.5.000	Washer	5
27	19.0081.5.463	Plate	1
28	08.6000.6.010	Screw	4
29	08.6400.6.006	Screw	2
30	19.0055.4.419	Gear Assembly ●	1
31	19.0019.6.405	Washer	2
32	08.6717.0.400	Nut	1
33	08.6850.0.000	Washer	1
34	19.0033.5.405	Stud	1
35	19.0055.4.429	Gear	1
36	12.2050.0.007	Bearing	3
37	12.5050.2.005	Belt	1
38	19.0041.0.680	Roll	1
39	08.6700.5.000	Nut	1
40	07.6600.0.004	Clamp	1
41	08.6200.3.005	Screw	1
42	07.6600.0.006	Clamp	1

CUTTING LEVER ASSEMBLY



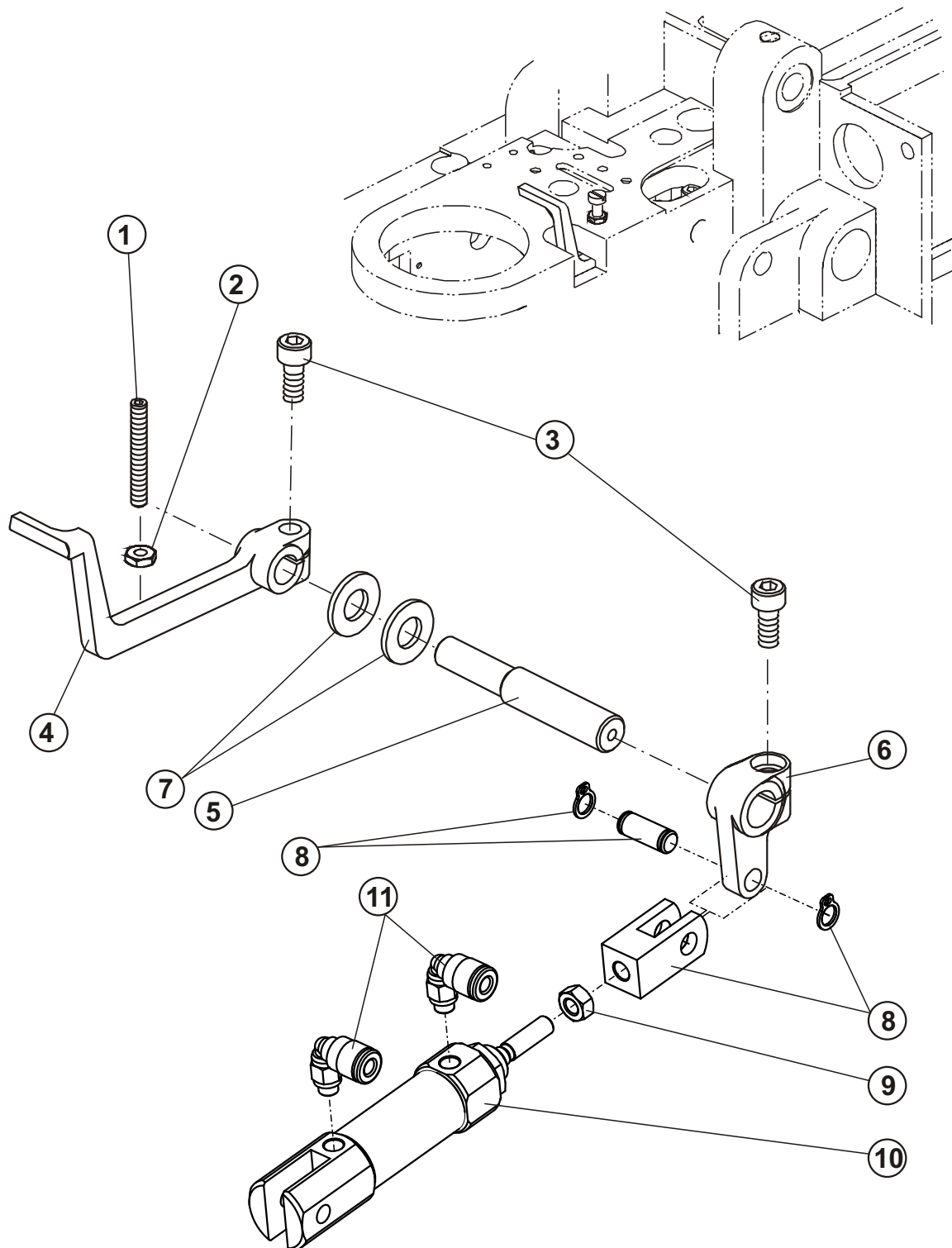
CUTTING LEVER ASSEMBLY

DET	PART NUMBER	DESCRIPTION	QTY.
01	19.0063.5.416	Cutting Lever ●	1
02	19.0081.0.516	Draw Bar ●	2
03	12.1045.1.001	Retaining Ring	2
04	19.0063.5.417	Lever	1
05	19.0034.2.403	Shaft	1
06	08.6710.9.500	Nut	1
07	08.6710.8.400	Nut	2
08	19.0017.4.400	Nut	2
09	19.0032.8.405	Pivot	2
11	08.6850.5.000	Washer	1
12	19.0034.7.400	Shaft	1
13	17.0013.1.415	Screw	2
14	17.0082.5.997	Clamp	2
15	17.0012.0.571	Screw	2
16	17.0013.2.090	Screw	1
17	19.0063.6.456	Knife Holder	1
18	17.0013.4.027	Screw	1
19	08.6000.5.020	Screw	1
20	08.6000.5.012	Screw	2
21	19.0074.4.527	Knife Holder	1
22	17.0021.1.073	Key	1
23	08.6000.5.016	Screw	1
24	19.0063.6.445	Knife Clamp	1
25	19.0031.1.400	Pin	1
26	08.6700.5.000	Nut	1
27	08.6400.5.030	Screw	1
28*	19.0064.6.518	Clamp Cable	1
29*	08.6850.4.000	Washer M4	1
30*	08.6000.4.008	Screw M4-8	1
31*	19.0005.2.221	Tube LTT+I	1
32*	12.0010.3.027	Connector	1
33*	12.0010.3.029	Speed Valve	1
34*	08.6400.4.004	Screw M4	1

*

For LTT + I

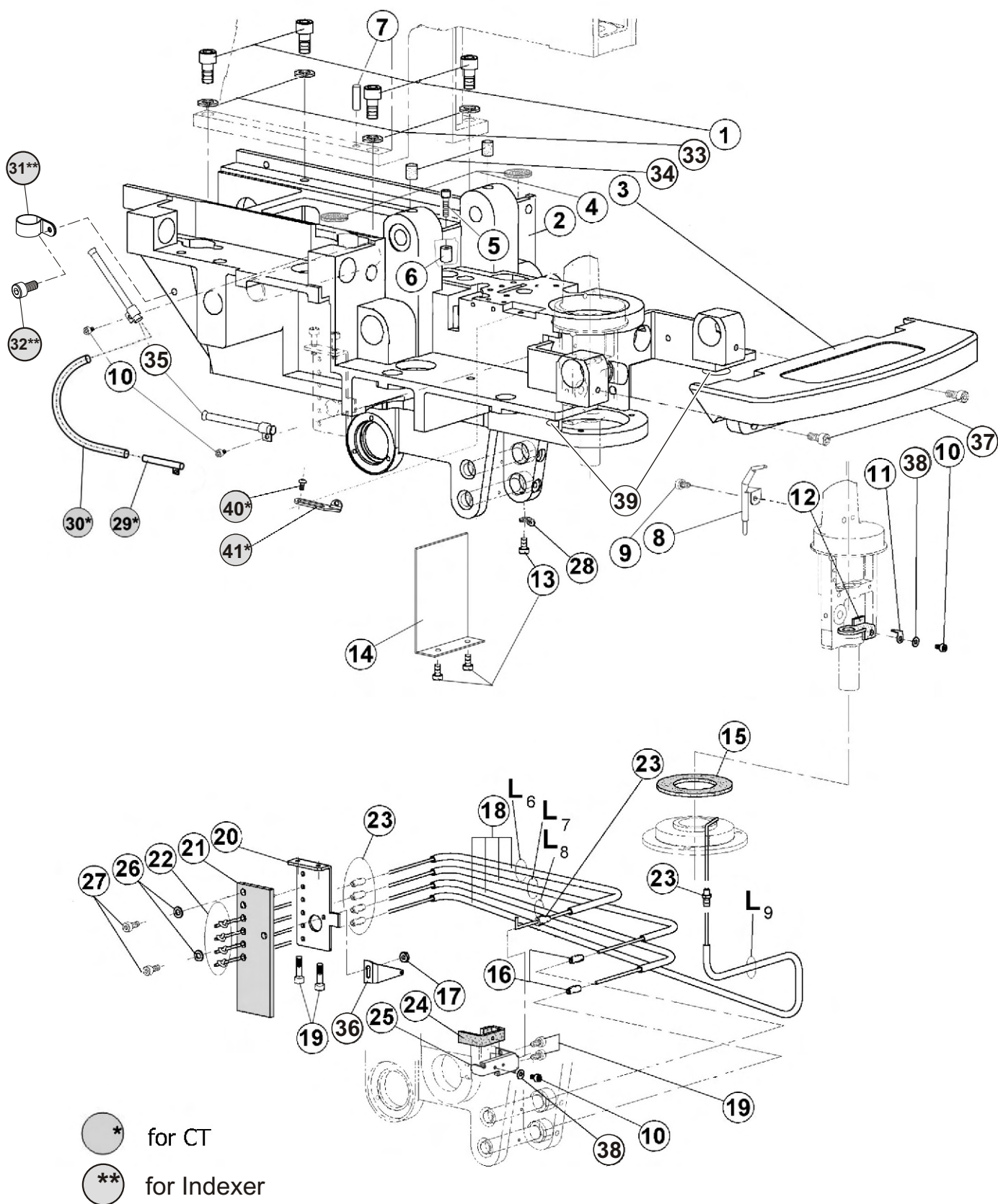
KNIFE DRIVE



KNIFE DRIVE

DET	PART NUMBER	DESCRIPTION	QTY.
01	08.6400.4.030	Screw	1
02	08.6700.4.000	Nut	1
03	08.6000.5.012	Screw	2
04	19.0061.3.610	Lever	1
05	19.0034.2.402	Shaft	1
06	19.0061.3.601	Lever	1
07	08.6850.8.000	Washer	2
08	12.0008.3.739	Knuckle	1
09	08.6702.5.000	Nut M5	1
10	12.0008.3.789	Cylinder	1
11	12.0008.3.411	Connector	2

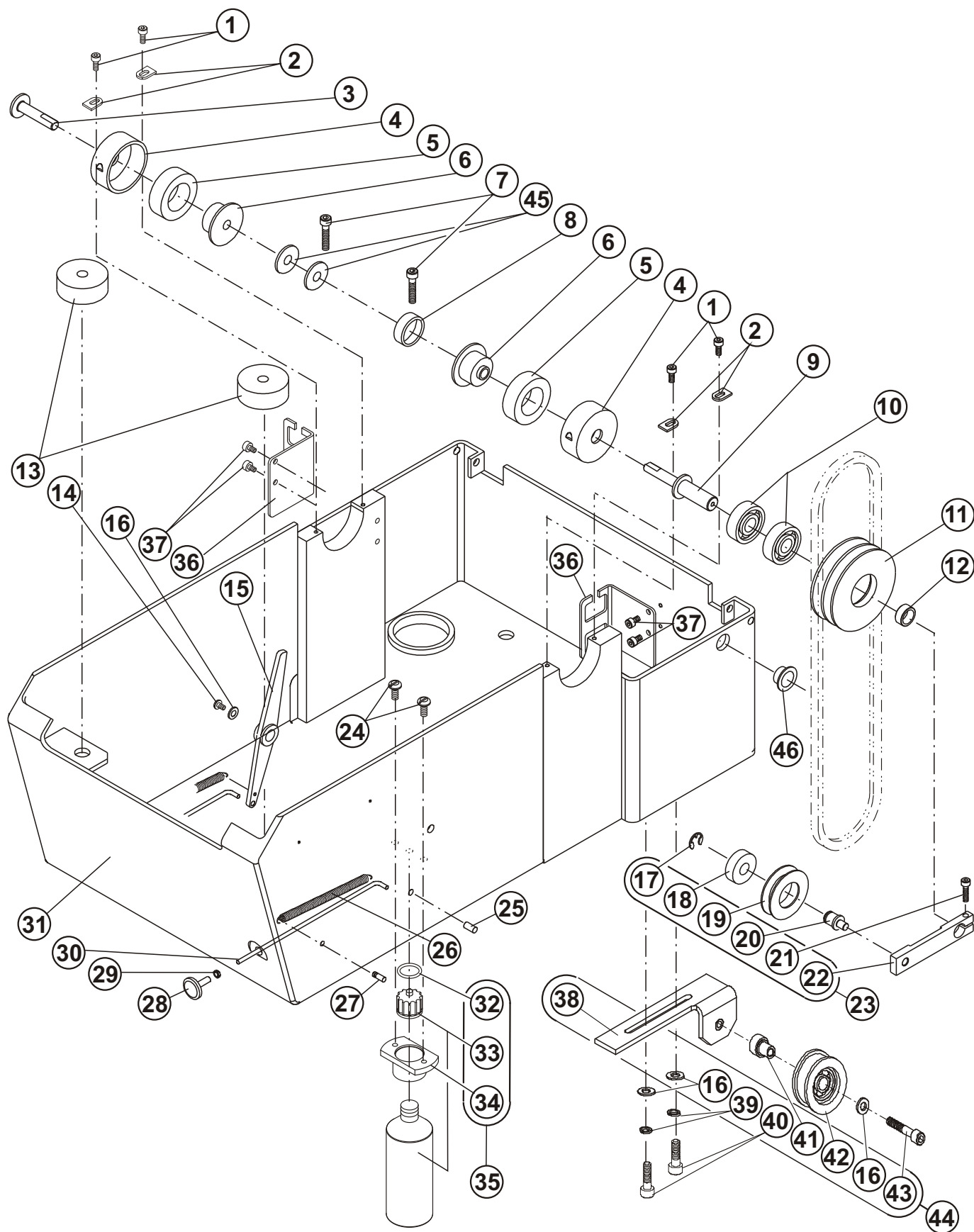
LUBRICATION MECHANISM



LUBRICATION MECHANISM

DET	PART NUMBER	DESCRIPTION	QTY.
01	08.6000.8.020	Screw	4
02	19.0071.0.204	Base	1
03	19.0074.6.216	Cover	1
04	19.0094.5.413	Felt	2
05	08.6000.4.020	Screw	1
06	13.2087.1.000	Bumper	1
07	19.0031.8.414	Pin	2
08	19.0002.5.409	Guide Asembly	1
09	08.6010.4.010	Screw	1
10	08.6000.3.005	Screw	4
11	19.0082.3.411	Plate	1
12	19.0094.5.407	Felt	1
13	08.6200.4.006	Screw	3
14	19.0083.1.681	Cover	1
15	19.0094.5.406	Felt	1
16	19.0044.1.623	Nipple	2
17	08.6710.4.000	Nut	1
18	19.0094.2.412	Oil Tube L ₆ =220mm L ₇ =280mm L ₈ =265mm L ₉ =380mm	See Page 3-14
19	08.6000.4.005	Screw	4
20	19.0082.3.453	Plate	1
21	19.0094.5.405	Felt	1
22	19.0094.5.412	Wick L ₆ =360mm L ₇ =350mm L ₈ =420mm L ₉ =450mm	See Page 3-14
23	19.0094.2.409	Joint PM	6
24	19.0094.5.408	Felt	1
25	19.0082.3.450	Felt Holder	1
26	08.6850.4.000	Washer	2
27	08.6000.4.010	Screw	2
28	17.0027.1.106	Thread Guide	1
29*	19.0002.5.414	Guide	1
30*	19.0094.2.419	Tube	1
31**	12.0008.4.100	Clamp	1
32**	08.6000.4.008	Screw	1
33	08.6800.8.000	Spring Washer	4
34	17.0094.5.052	Felt	2
35	19.0002.5.411	Guide	2
36	05.0043.1.000	Bracket	1
37	08.6000.5.012	Screw	2
38	08.6850.3.000	Washer	2
39	19.0094.5.409	Felt	2
40*	08.6200.3.006	Screw	1
41*	19.0082.1.412	Thread Smoother	1
*	CT modification		
**	Indexer modification		

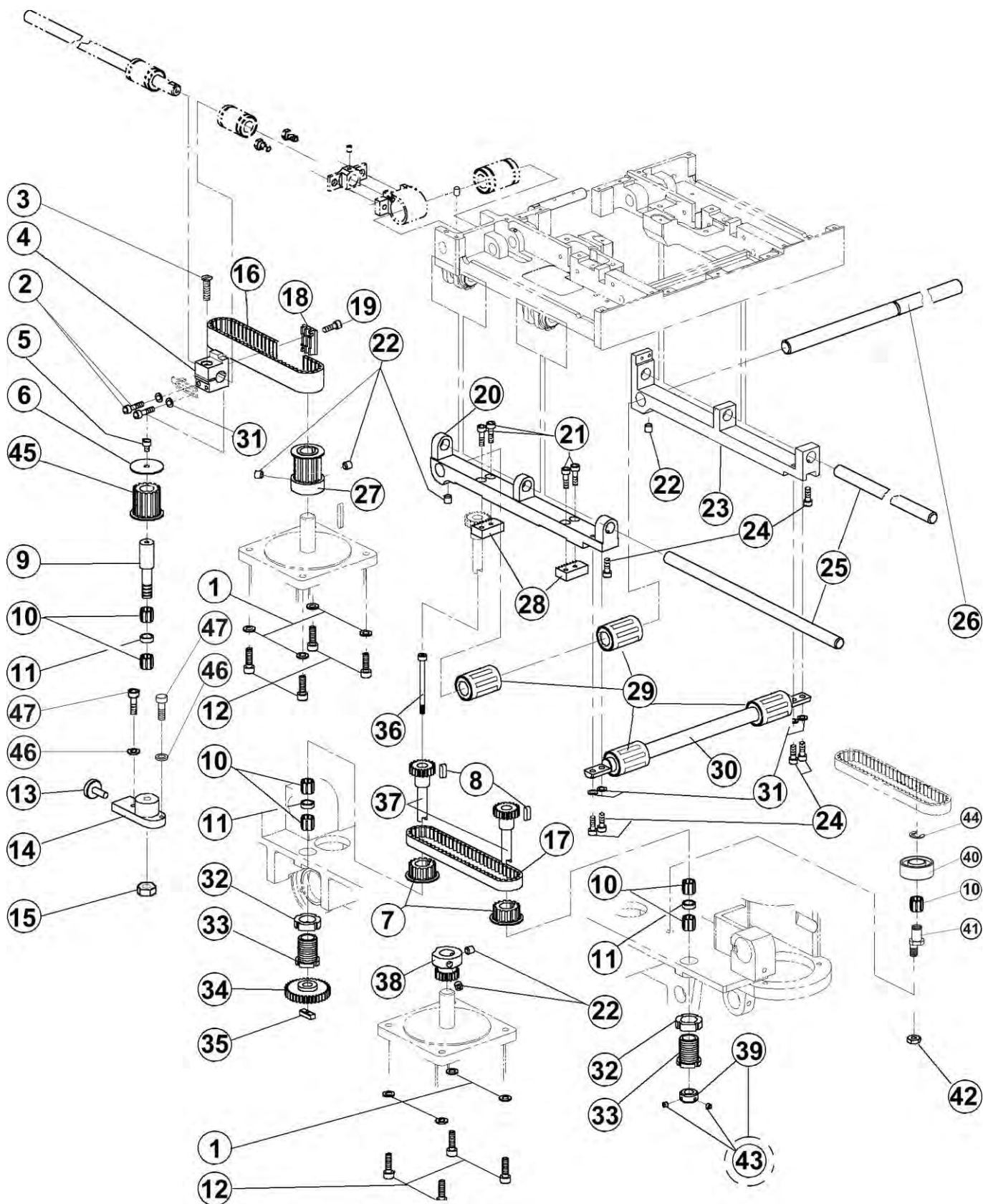
CASE



CASE

DET	PART NUMBER	DESCRIPTION	QTY.
01	08.6000.4.010	Screw	4
02	17.0081.5.047	Latch	4
03	19.0032.2.407	Shaft Left	1
04	19.0041.6.400	Bushing ●●●	2
05	19.0094.1.400	Ring ●●●	2
06	19.0095.1.402	Bearing	2
07	08.6000.5.020	Screw ●●●	2
08	19.0041.0.694	Bushing	1
09	19.0032.3.401	Shaft	1
10	12.2010.0.005	Bearing	2
11	18.0052.1.400	Pulley ●	1
12	18.0041.0.676	Collar	1
13	19.0095.1.405	Rubber ●●●	2
14	08.6200.5.006	Screw	1
15	19.0063.3.403	Head Support	1
16	08.6850.6.000	Washer	1+(3)
17	17.0027.4.085	Retaining Ring	(1)
18	12.2010.0.004	Bearing	(1)
19	18.0052.0.274	Idler Pulley	(1)
20	18.0032.3.198	Idler Pulley Pin	(1)
21	08.6000.4.016	Screw	(1)
22	18.0061.3.350	Idler Pulley Lever	(1)
23	18.0004.3.251	Idler Pulley	1
24	08.6200.5.012	Screw	2
25	12.1010.0.525	Pin	1
26	17.0026.3.014	Spring	1
27	17.0031.0.196	Pin	1
28	19.0017.2.402	Pushbutton ●	1
29	08.6700.3.000	Nut	1
30	19.0027.1.603	Rod	1
31	19.0072.4.404	Case	1
32	12.0008.6.812	O Ring ●●●	(1)
33	05.1322.0.000	Oil Can ●●●	(1)
34	19.0044.5.404	Holder Oil Can	(1)
35	19.0008.2.001	Oil Can Assembly	1
36	19.0082.3.433	Holder	2
37	08.6000.4.005	Screw	4
38	04.9000.0.444	Holder Roller	1
39	08.6800.6.000	Spring Washer	(2)
40	08.6310.6.016	Screw	(2)
41	04.9000.1.443	Bushing	(1)
42	04.9001.0.001	Roller	(1)
43	08.6000.6.030	Screw	(1)
44	04.9001.1.050	Left Roller Assembly	1
45	08.6850.8.000	Washer	2
46	17.0042.1.279	Thread Guide	1

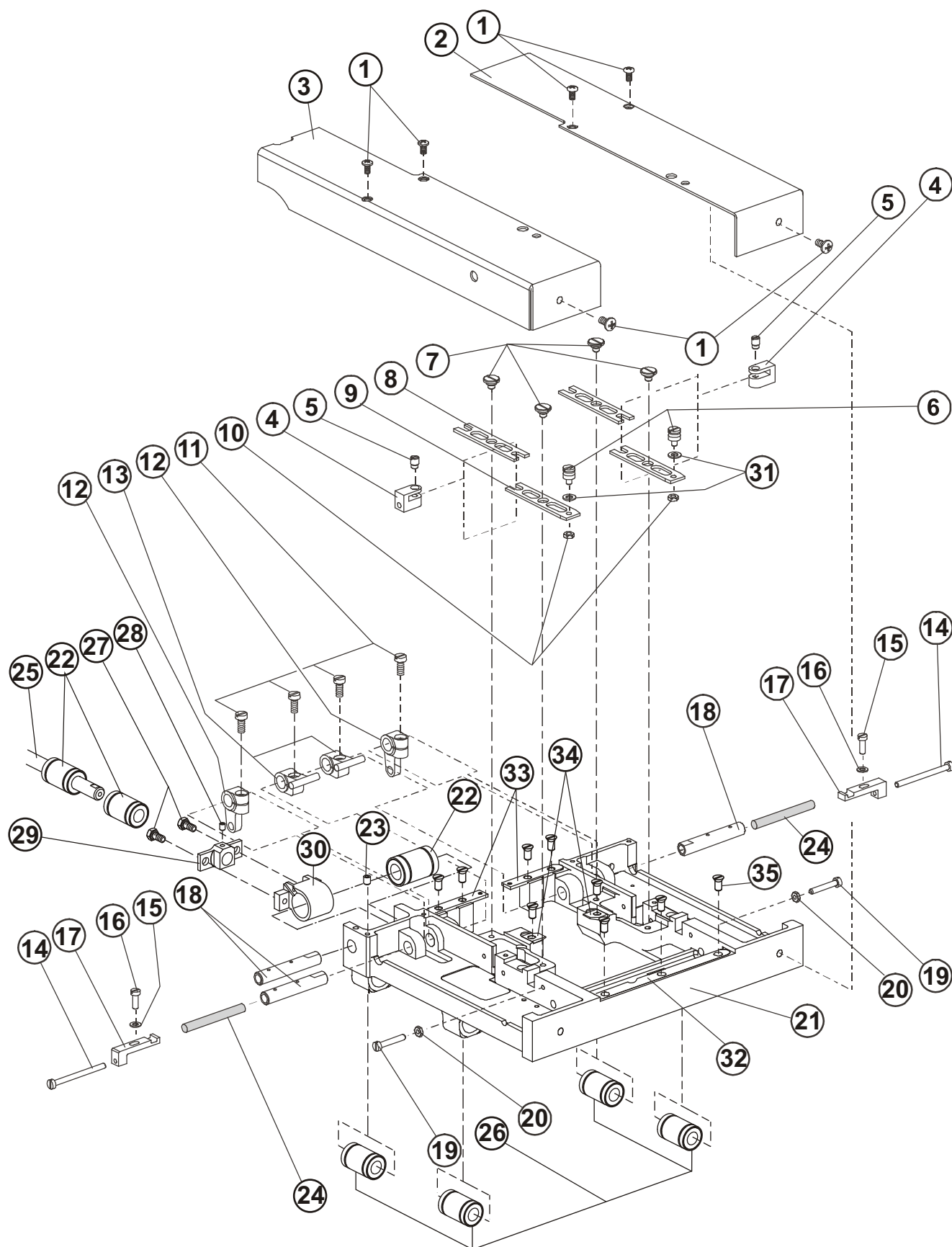
X-Y TABLE MOVEMENT



X-Y TABLE MOVEMENT

DET	PART NUMBER	DESCRIPTION	QTY.
01	08.6850.5.000	Washer	8
02	08.6000.4.008	Screw	2
03	08.6100.5.020	Screw	1
04	19.0062.7.410	Shaft Holder ●	1
05	08.6000.4.005	Screw	1
06	19.0019.0.685	Washer	1
07	19.0055.4.408	Timing Belt Pulley	2
08	17.0021.1.069	Key	2
09	19.0033.5.403	Shaft	1
10	12.2050.0.007	Bearing	7
11	19.0041.0.675	Distance Ring	3
12	08.6000.5.016	Screw	8
13	17.0013.4.027	Screw	1
14	19.0064.8.448	Holder Press Pulley	1
15	08.6700.6.300	Nut	1
16	12.5050.2.014	Timing Belt ●●●	1
17	12.5050.2.005	Timing Belt Stock ●●●	1
18	19.0064.7.432	Belt Clamp ●	1
19	08.6000.4.010	Screw	2
20	19.0074.4.523	Holder Shaft Left ●	1
21	08.6000.4.014	Screw	4
22	08.6400.6.006	Screw	6
23	19.0074.4.536	Holder Shaft Right ●	1
24	08.6000.4.012	Screw	6
25	19.0034.0.403	Shaft	2
26	19.0034.0.401	Shaft	1
27	19.0055.4.423	Gear Assembly	1
28	19.0058.1.400	Rack	2
29	12.2070.0.004	Linear Ball Bearing	4
30	19.0034.0.402	Shaft	1
31	08.6850.4.000	Washer	6
32	19.0016.3.403	Nut	2
33	19.0015.6.401	Screw	2
34	19.0055.1.402	Gear	1
35	19.0016.3.405	Key	1
36	19.0012.2.401	Screw	1
37	19.0055.5.400	Gear	2
38	19.0055.1.403	Gear	1
39	19.0043.6.046	Shaft Collar	1
40	19.0041.0.696	Roll ●●●	1
41	19.0033.8.409	Tension Pulley Shaft	1
42	08.6700.6.300	Nut	1
43	08.6400.4.004	Screw	(2)
44	17.0027.4.035	E-Clip	1
45	19.0055.4.424	Gear	1
46	08.6842.5.000	Washer	2
47	08.6200.5.020	Screw	2

BED PLATE ASSEMBLY

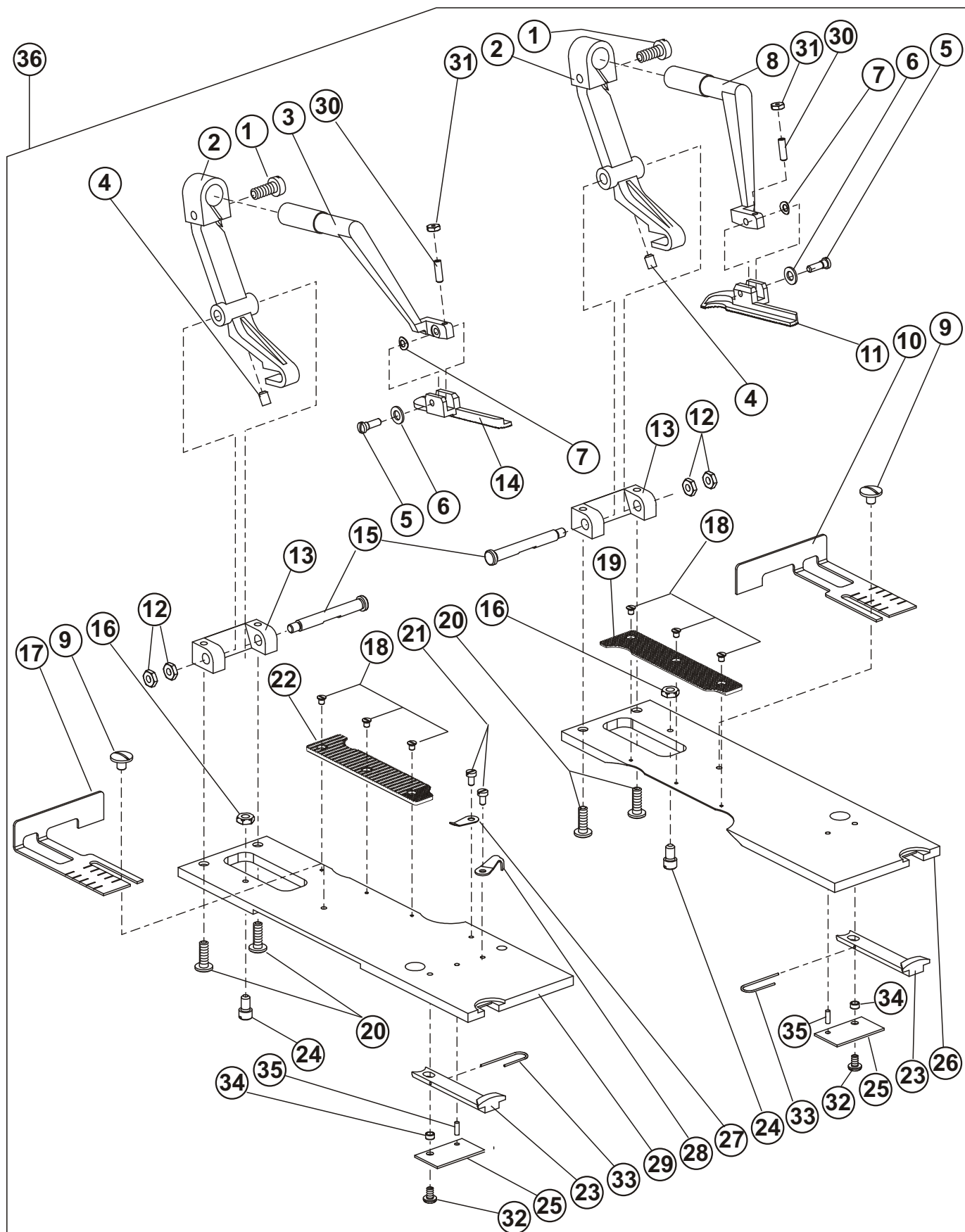


BED PLATE ASSEMBLY

DET	PART NUMBER	DESCRIPTION	QTY.
01	08.6522.4.006	Screw	6
02	19.0083.1.682	Plate	1
03	19.0083.1.683	Plate	1
04	19.0064.8.409	Knuckle	2
05	19.0033.1.406	Screw	2
06	19.0033.2.405	Screw	2
07	19.0013.1.487	Screw	4
08	19.0081.0.518	Fork	2
09	19.0081.0.517	Fork	2
10	19.0016.1.402	Nut	2
11	08.6010.5.012	Screw	4
12	19.0061.3.612	Lever	2
12 *	19.0061.3.601	Lever	2
13	19.0063.6.441	Lever	2
14	08.6000.4.035	Screw	2
15	08.6010.4.012	Screw	2
16	08.6850.4.000	Washer	2
17	19.0064.7.405	Slide Adjust Plate ●	2
18	19.0031.8.405	Shaft	3
19	08.6310.4.030	Screw	2
20	08.6710.4.000	Nut	2
21	19.0071.4.207	Bed Plate	1
22	12.2070.0.006	Linear Ball Pulley ●	3
23	08.6400.5.006	Screw	1
24	19.0094.5.412	Felt ●●●	1
25	19.0034.0.404	Shaft	1
26	07.0000.0.024	Linear Ball Pulley	4
27	17.0014.1.119	Screw	2
28	17.0011.2.072	Screw	1
29	19.0064.8.407	Shaft Holder	1
30	19.0062.6.402	Line Pillow Block ●	1
31	17.0019.0.228	Washer	2
32	19.0081.4.444	Plate	1
33	19.0081.4.446	Plate	2
34	19.0081.4.448	Plate	2
35	17.0012.6.110	Screw	9

* ACL

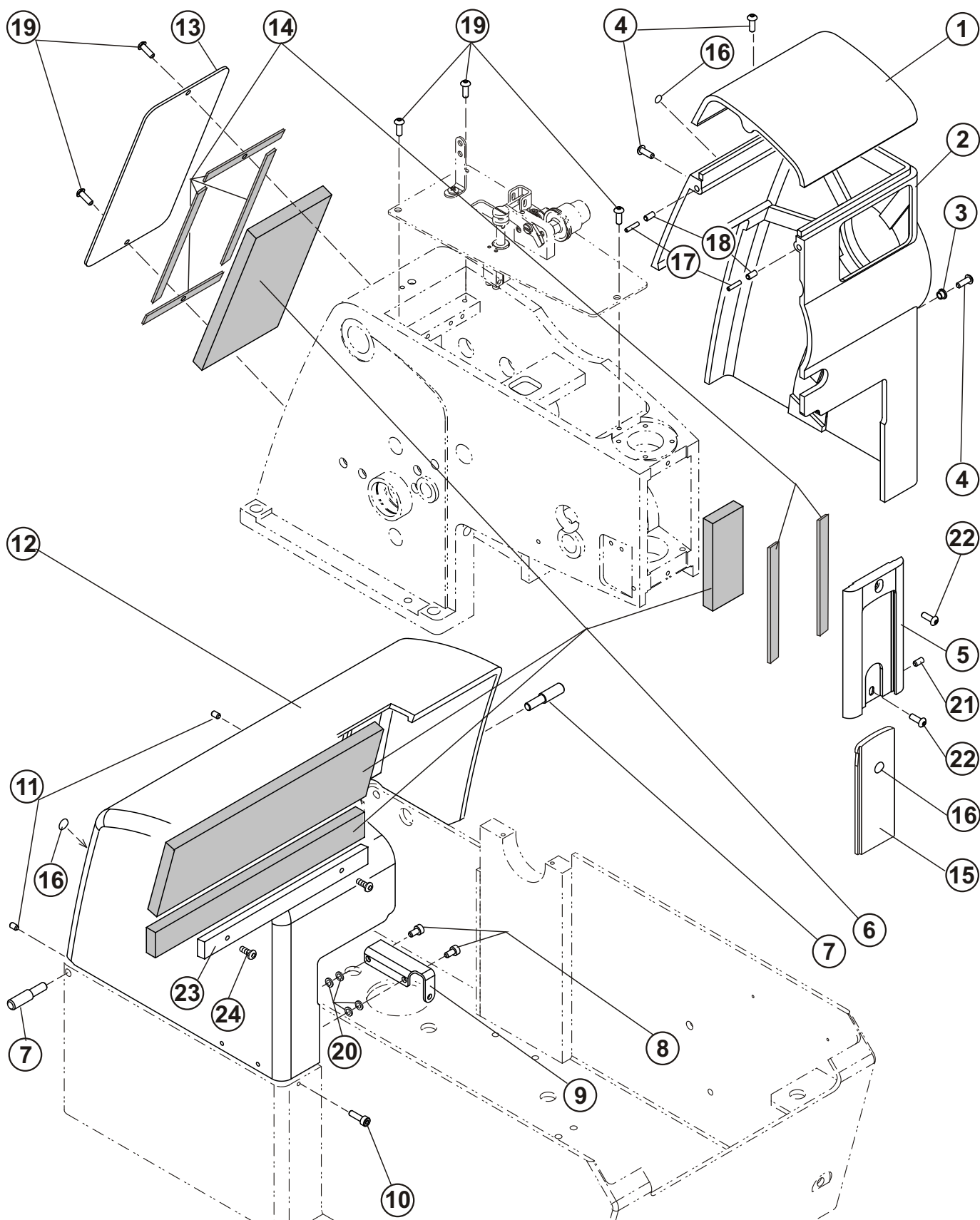
CLAMPING — AF



CLAMPING — AF

DET	PART NUMBER	DESCRIPTION	QTY.
01	08.6010.5.012	Screw	2
02	19.0063.5.406	Clamp Arm Base	2
03	19.0066.8.401	L.H. Clamp Arm	1
04	08.6400.4.006	Screw	2
05	17.0013.5.067	Screw	2
06	17.0019.5.040	Lockwasher	2
07	17.0019.2.066	Curved Spring Washer	2
08	19.0066.8.400	R.H. Clamp Arm	1
09	17.0012.4.106	Screw	2
10	19.0082.6.422	R.H.Cloth Gauge	1
11	17.0066.7.158	R.H. Clamp Foot 40	1
12	08.6710.4.000	Nut	4
13	19.0064.7.402	Block	2
14	17.0066.7.157	L.H. Clamp Foot 40	1
15	19.0032.8.401	Shaft	2
16	19.0016.1.402	Nut	2
17	19.0082.6.421	L.H.Cloth Gauge	1
18	17.0012.3.054	Screw	6
19	19.0081.1.760	R.H. Short Clamp Mat	1
20	08.6010.4.012	Screw	4
21	17.0012.0.303	Screw	2
22	19.0081.1.761	L.H. Short Clamp Mat	1
23	19.0062.5.408	Pawl	2
24	19.0033.1.401	Screw	2
25	19.0081.5.449	Cover	2
26	19.0081.5.440	R.H. Plate ●	1
27	17.0082.5.884	Clip	1
28	17.0087.0.169	Knife	1
29	19.0081.5.433	L.H. Plate ●	1
30	08.6400.3.010	Screw	2
31	08.6710.3.000	Nut	2
32	08.6200.3.005	Screw	2
33	19.0027.1.610	Spring	2
34	19.0041.0.684	Ring	2
35	12.1010.0.206	Pin	2
36	19.0003.1.600	Clamps AF	1

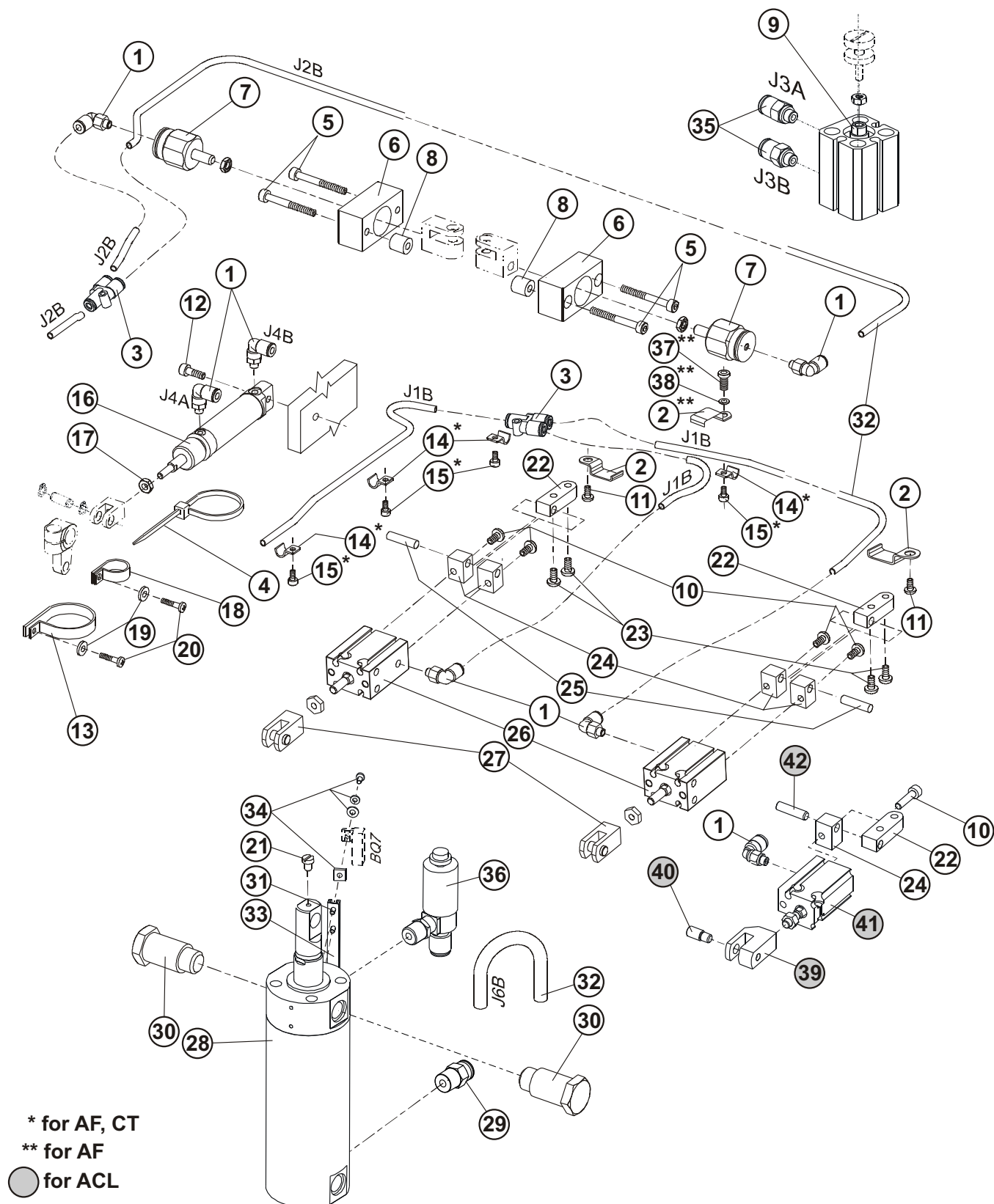
COVERS



COVERS

DET	PART NUMBER	DESCRIPTION	QTY.
01	19.0074.6.225	Stitch Drive Cover ●	1
02	19.0075.4.404	Control Panel Cover ●	1
03	19.0095.1.408	Ring	1
04	08.6000.4.010	Screw M4x12	3
05	19.0074.6.227	Front Cover ●	1
06	19.0095.3.405	Sound Suppressor Kit ●●●	1
07	19.0031.3.405	Screw	2
08	08.6000.4.008	Screw M4x8	2
09	19.0083.4.021	Shim	1
10	08.6000.4.014	Screw M4x14	1
11	08.6400.4.006	Screw M4x6	2
12	19.0074.6.226	Cover ●	1
13	19.0081.5.460	Arm Cover	1
14	19.0094.0.414	Gasket Cover ●●●	1
15	19.0095.4.403	Cover	1
16	12.0008.6.915	Support	3
17	12.1010.0.320	Pin	2
18	19.0094.2.413	Tube L ₁₀ = 12 mm (2x)	-
19	08.6032.4.008	Screw	6
20	08.6850.4.000	Washer	4
21	08.6400.3.005	Screw	1
22	08.6200.4.008	Screw	2
23	19.0081.5.454	Cover Back	1
24	08.6000.4.005	Screw	2

HEAD PNEUMATIC PARTS STANDARD



HEAD PNEUMATIC PARTS STANDARD

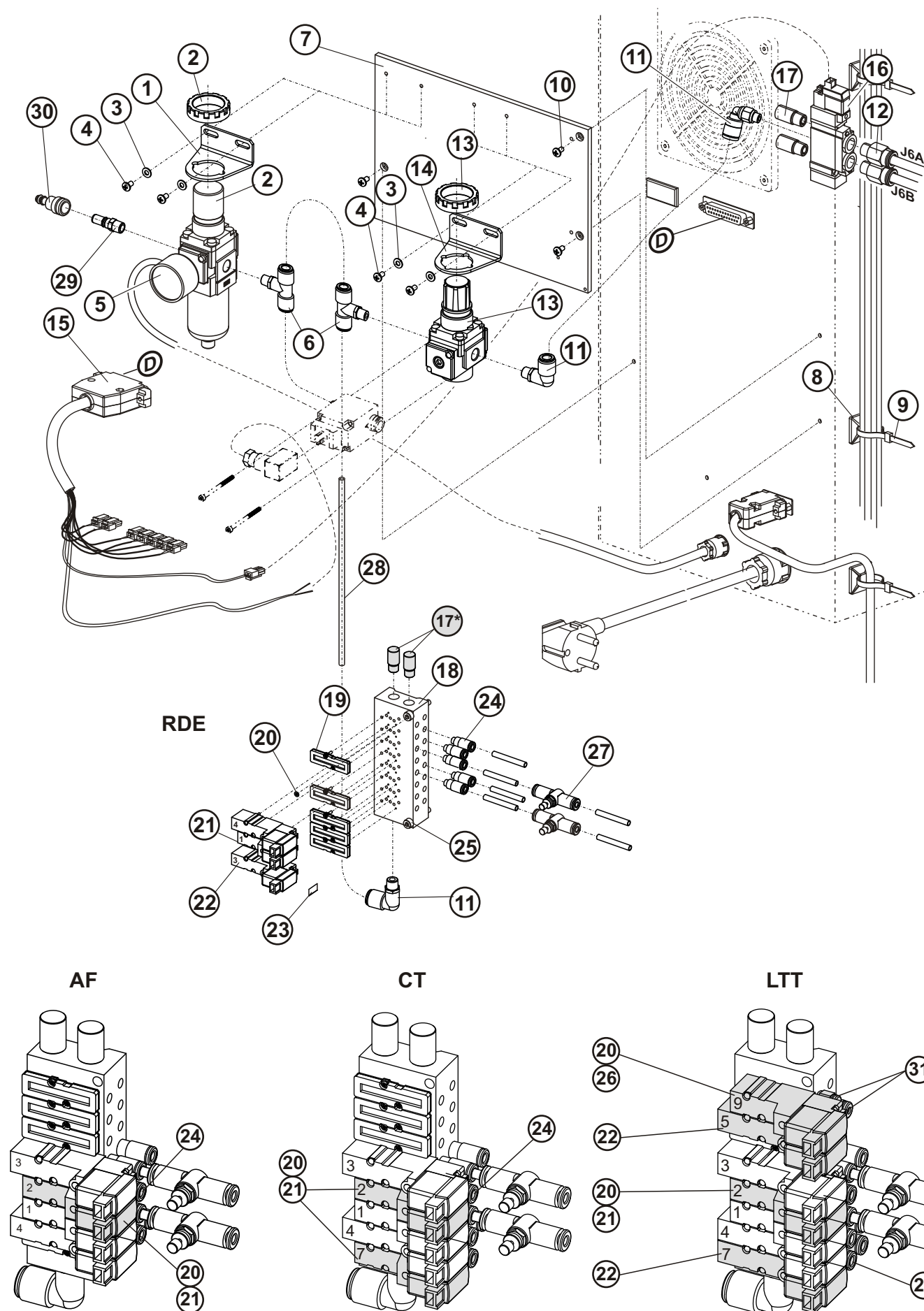
DET	PART NUMBER	DESCRIPTION	QTY.
01	12.0008.3.411	Connector	5
02**	19.0082.6.434	Clamp	3
03	12.0008.3.736	Connector	2
04	12.0008.3.023	Ty-wrap	13
05	08.6000.4.025	Screw	4
06	19.0064.8.445	Valve Holder	2
07	12.0008.3.734	Cylinder	2
08	19.0041.0.690	Roll	2
09	12.0008.3.795	Cylinder	1
10	08.6000.4.016	Screw M4x16	5
11	08.6000.4.005	Screw	2
12	19.0033.2.413	Stud	1
13	12.0008.4.197	Cord Clamp	1
14*	17.0082.6.000	Clamp	4
15*	08.6000.3.006	Screw	4
16	12.0008.3.789	Cylinder	1
17	08.6702.4.000	Nut	1
18	12.0008.4.100	Cord Clamp	1
19	08.6850.4.000	Washer	2
20	08.6000.4.010	Screw	2
21	08.6010.4.006	Screw	1
22	19.0062.6.403	Holder	3
23	08.6200.4.008	Screw	4
24	19.0064.8.444	Cylinder Holder	5
25	12.1010.0.530	Pin 5x20	2
26	12.0008.3.733	Cylinder	2
27	19.0008.3.419	Knuckle	2
28	12.0008.3.788	Cylinder	1
29	12.0008.3.819	Connector	1
30	19.0014.3.405	Shaft	2
31	08.6000.3.006	Screw	(2)
32	19.0094.2.421	Air Tubing Kit ●●●	1
33	12.0008.3.789	Switch Rail	1
34	12.0008.3.412	Rail Stopper	1
35	12.0008.3.409	Connector	2
36	12.0008.3.820	Exhaust Speed Contr.	1
37**	08.6000.3.008	Screw	1
38**	08.6850.3.000	Washer	1
39	19.0064.8.424	Knuckle	1
40	19.0033.1.407	Stud	1
41	19.0008.3.418	Cylinder ACL	1
42	12.1010.0.520	Pin 5m6x20	1

* — for AF, CT

** — for AF

ACL

CONTROL BOX — PNEUMATIC PARTS



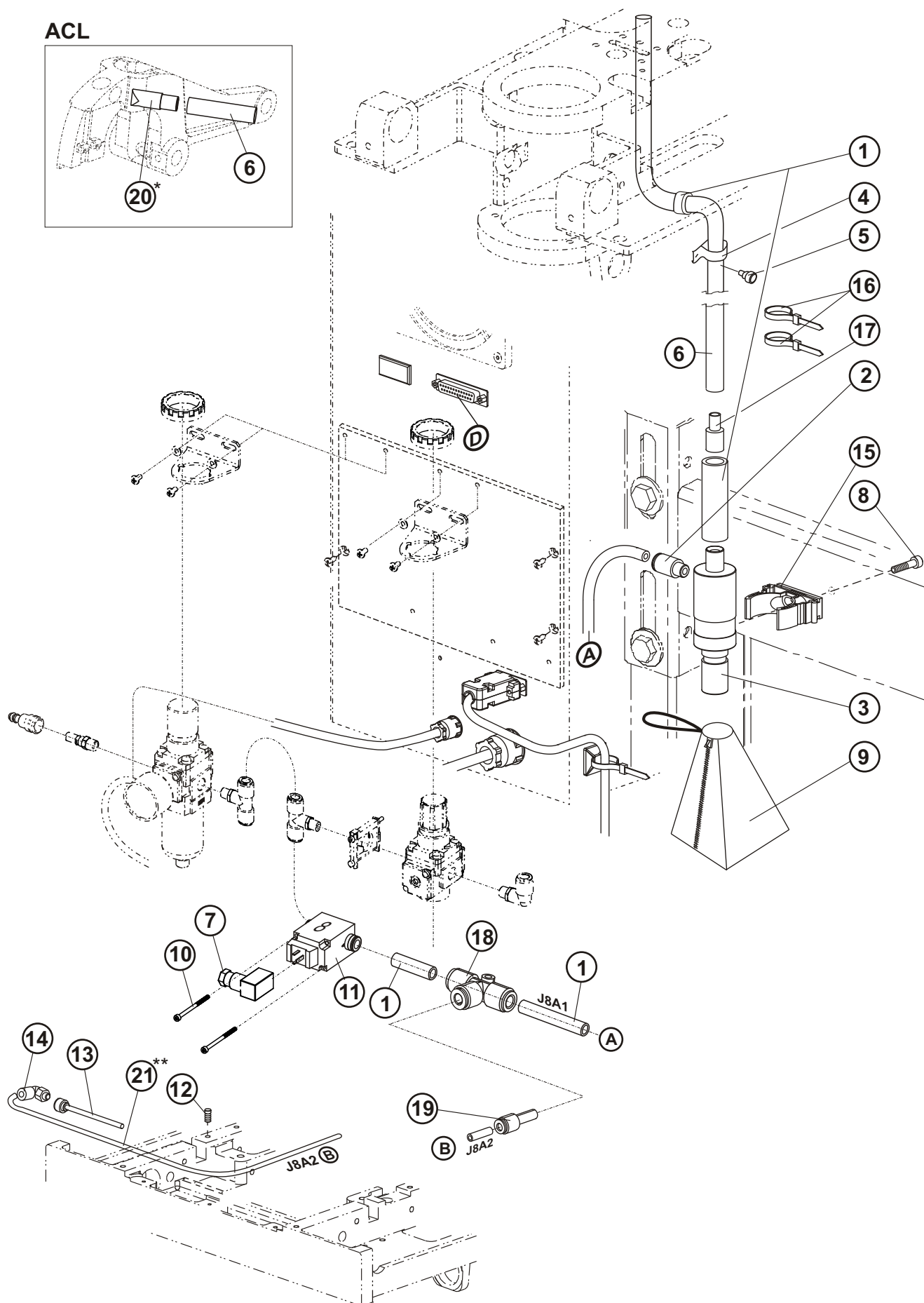
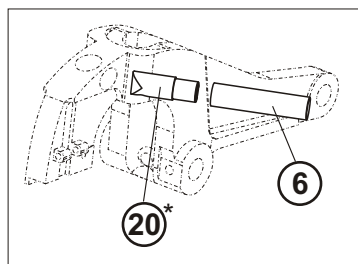
CONTROL BOX — PNEUMATIC PARTS

DET	PART NUMBER	DESCRIPTION	QTY.
01	12.0008.3.659	Regular Holder	1
02	12.0008.3.753	Regulator	1
03	08.6852.4.000	Washer	4
04	08.6032.4.008	Screw	6
05	19.0007.9.070	Pressure Gauge	1
06	12.0008.3.803	Connector	2
07	19.0008.3.417	Plate	1
08	12.0008.4.058	Clip	4
09	12.0008.3.023	Tie-wrap ●●●	4
10	08.6683.4.007	Screw	3
11	12.0008.3.754	Connector	3
12	12.0008.3.421	Connector	2
13	12.0082.3.757	Regulator	1
14	12.0008.3.762	Regular Holder	1
15	19.0007.9.060	Cable Valve	1
16	12.0008.3.794	Pneumatic Valve	1
17*	12.0008.3.427	Silencer	4
18	12.0008.3.791	Manifold Plate	1
19	12.0008.3.790	Blanking Plate	5
20	12.0008.3.481	Plug	1
21	12.0008.3.780	Valve	1
22	12.0008.3.782	Valve	2
23	—	Labels Kit	—
24	84.0004.6.847	Connector	5
25	08.6000.4.025	Screw	2
26	12.0008.3.805	Valve	1
27	12.0008.3.430	Speed Controller	2
28	19.0094.2.421	Air Tubing Kit ●●●	(1)
29	12.0008.3.420	Connector	1
30	See Page 3-77	Connector	—
31	See Page 3-66	Connector	—

*

Extra parts

EXHAUST — PNEUMATIC PARTS

ACL


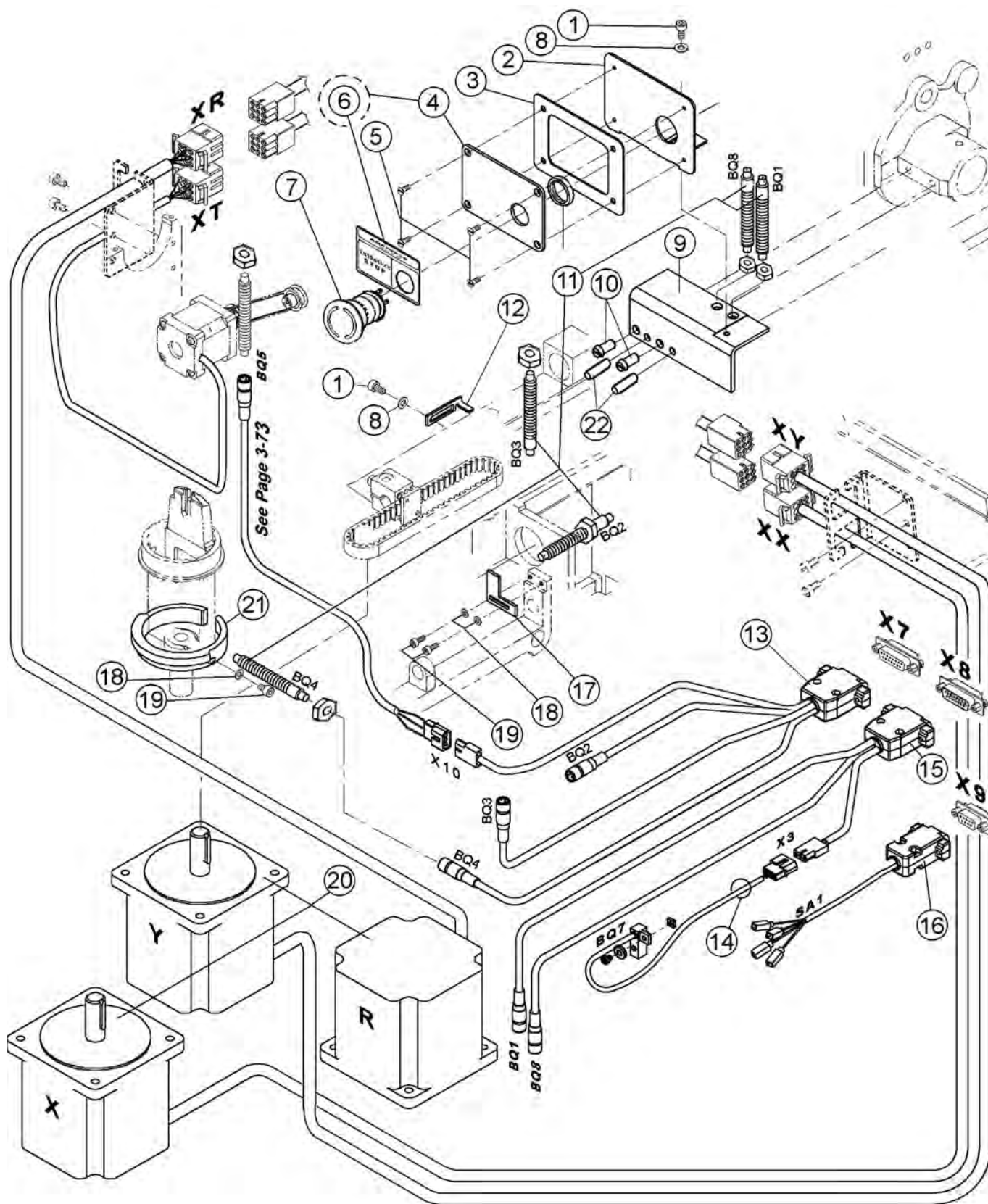
EXHAUST — PNEUMATIC PARTS

DET	PART NUMBER	DESCRIPTION	QTY.
01	19.0094.2.421	Air Tubing Kit	1
02	12.0008.3.754	Connector	1
03	19.0008.3.415	Vacuum Unit	(1)
04	07.6600.0.006	Clamp, Cable	(1)
05	08.6200.5.006	Screw M5x6	(1)
06	19.0094.2.418	Air Tubing	1
07	12.0008.3.793	Connector	1
08	08.6000.5.022	Screw	1
09	12.0008.6.977	Bag	1
10	08.6000.3.045	Screw	2
11	12.0008.3.792	Valve	1
12	08.6400.4.006	Screw M4x6	1
13	19.0005.2.218	Tube	1
14	12.0008.3.411	Connector	1
15	12.0008.6.980	Sleeve 32	1
16	12.0008.3.023	Tie-wrap	2
17	19.0084.1.614	Pipe	1
18	12.0008.3.689	Connector	1
19	12.0008.3.447	Connector	1
20*	19.0031.4.401	Insert	(1)
21**	12.0008.3.090	Connector	1

* for LTT/ACL

* * for CT

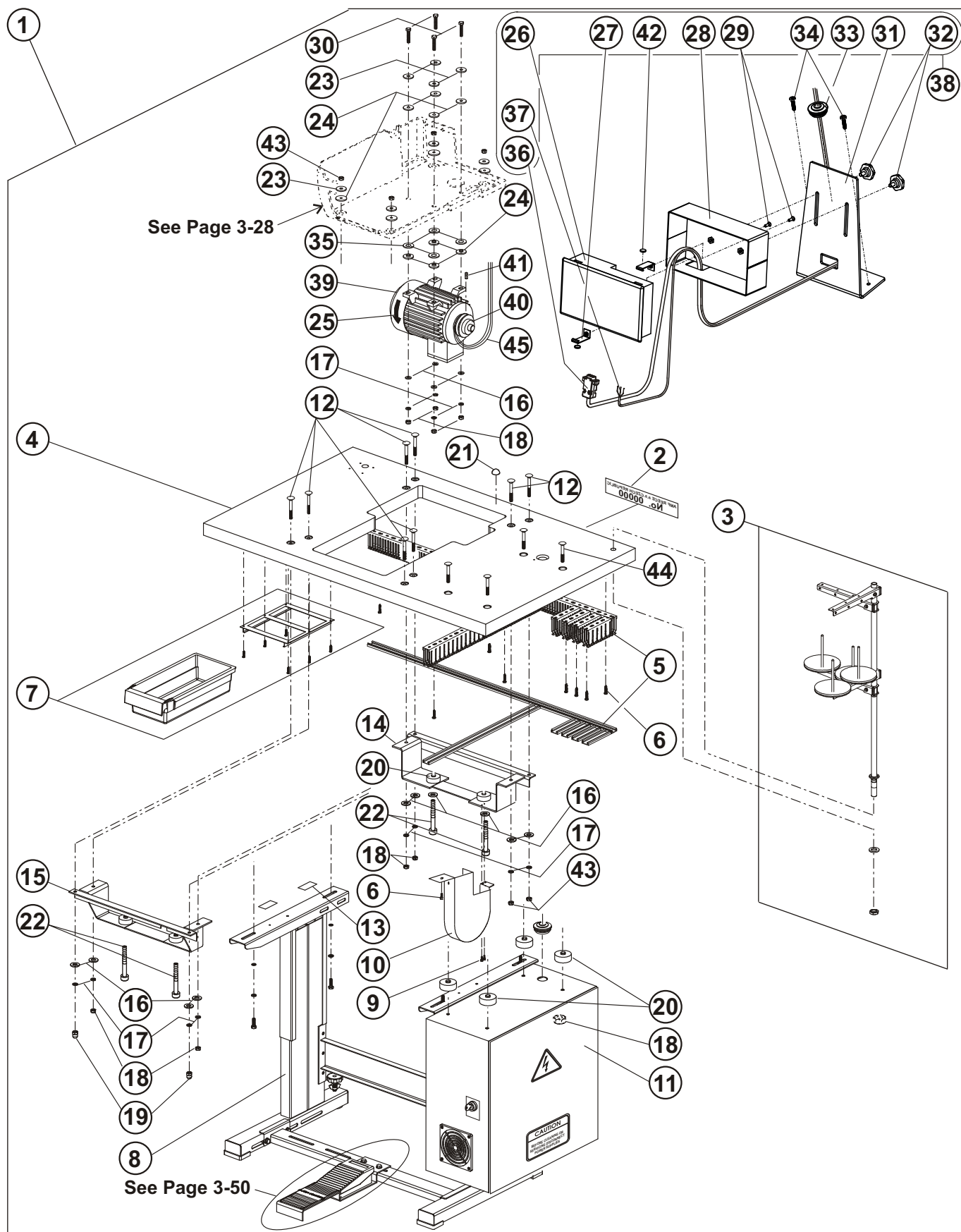
HEAD ELECTRONIC PARTS



HEAD ELECTRONIC PARTS

DET	PART NUMBER	DESCRIPTION	QTY.
01	08.6000.4.008	Screw	2
02	19.0081.6.402	Holder Panel	1
03	19.0094.0.404	Rubber Packing	1
04	19.0081.6.403	Panel	1
05	08.6102.3.008	Screw	4
06	12.8000.0.401	Label Panel	(1)
07	12.0008.4.563	Emergency Stop Switch	(1)
08	08.6850.4.000	Washer	2
09	19.0082.3.445	Holder	1
10	08.6000.6.010	Screw M6x10	2
11	12.0010.4.025	Sensor	(5)
12	19.0082.3.404	Sensor Plate	1
13	19.0007.9.065	Cable Assembly X7	(1)
14	19.0007.9.499	Sensor Assembly BQ7	(1)
15	19.0007.9.066	Cable Assembly X8	(1)
16	19.0007.9.067	Cable Assembly X9	(1)
17	19.0081.5.418	Sensor Plate	1
18	08.6850.3.000	Washer	3
19	08.6000.3.008	Screw	4
20	19.0007.9.462	Stepping Motor	3
21	19.0067.2.408	Sensor Ring	1
22	12.1010.0.306	Pin	2

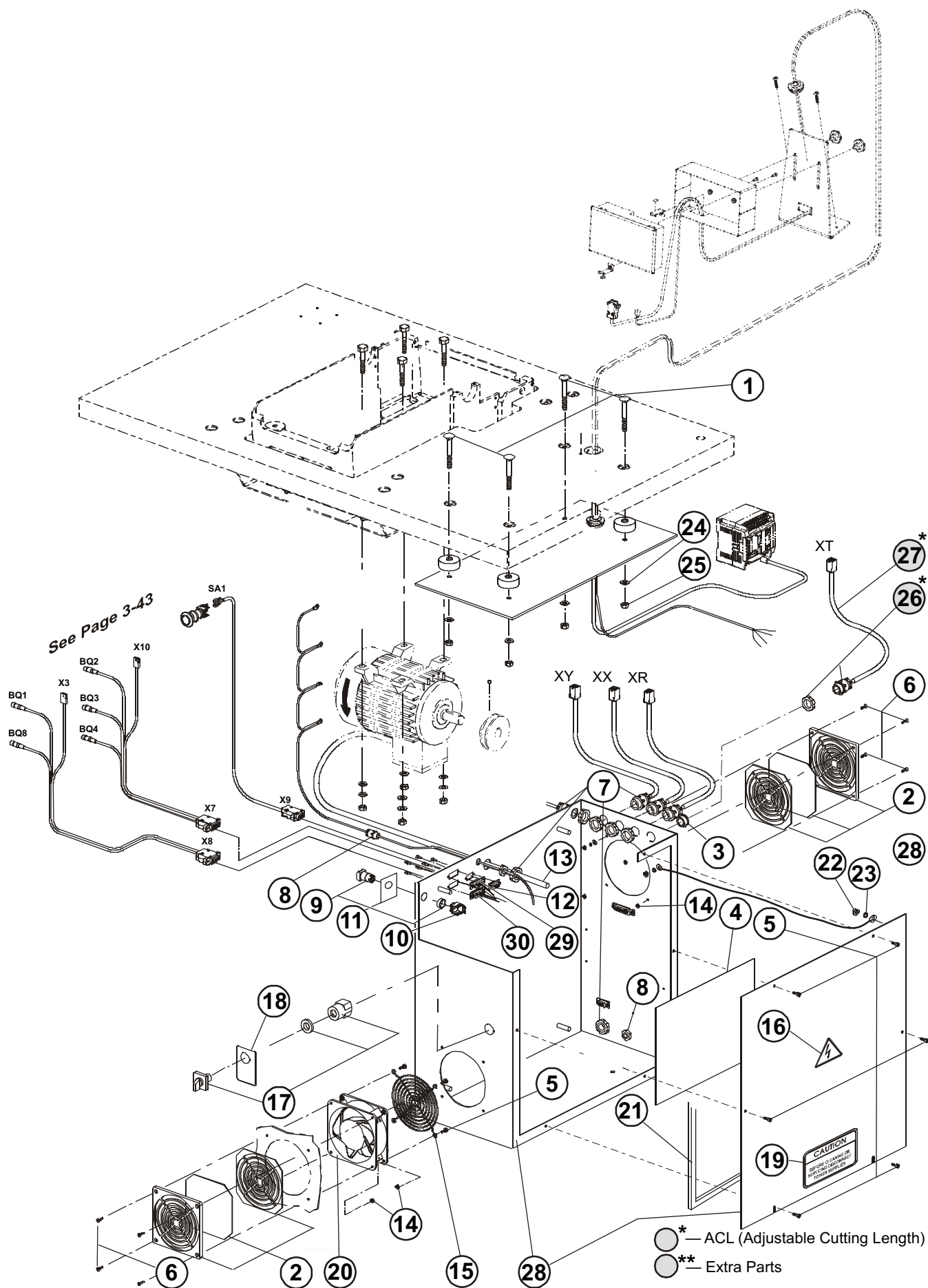
TABLE



TABLE

DET	PART NUMBER	DESCRIPTION	QTY.
01	03.5519.2.091	Table Assembly	1
02	04.1416.0.003	Label "No. xxxxx" ●●●	1
03	17.0003.6.156	Thread Stand Assembly	1
04	19.0091.0.402	Table Top ●●●	1
05	19.0095.2.403	Latch for Cable Kit ●●●	1
06	08.6632.3.016	Screw	15
07	12.0008.6.901	Drawer Kit ●●●	1
08	04.9000.2.123	Frame Kit	1
09	08.6000.4.008	Screw	2
10	19.0005.0.028	Cover Pulley ●●●	1
11	19.0006.9.455	Electrical Box Assembly ▢	1
12	08.6532.8.050	Screw	8
13	17.0094.0.200	Washer	4
14	19.0005.0.016	Framework	1
15	19.0005.0.015	Framework	1
16	08.6852.8.000	Washer	12
17	08.6802.8.000	Spring Washer	12
18	08.6702.8.000	Nut	14
19	08.6722.8.000	Nut	2
20	19.0095.1.405	Rubber Washer	8
21	12.0008.6.915	Holder	1
22	08.6312.8.040	Screw	4
23	01.4750.0.000	Washer	8
24	17.0095.1.272	Rubber Washer	12
25	17.0097.5.182	Label	1
26	19.8001.0.009	Display	(1)
27	19.0005.0.032	Panel Holder	(2)
28	19.0005.0.031	Display Box	(1)
29	08.6100.4.012	Screw	(2)
30	08.6312.8.035	Screw	4
31	19.0083.4.036	Display Box Holder	(1)
32	19.0014.7.003	Screw	(2)
33	12.0008.4.366	Bushing	(1)
34	08.6663.5.025	Screw	(2)
35	17.0019.0.441	Washer	4
36	19.0007.9.045	Cable RS 232	(1)
37	19.0007.9.046	Cable Display Power	(1)
38	03.5519.3.003	Touch Screen Assembly	1
39	12.0008.4.757	Motor	1
40	19.0052.0.501	Puley	1
41	08.6400.6.006	Screw M6x6	1
42	24.4049.0.000	Washer	(2)
43	08.6733.8.000	M8 Nut Lock	4
44	08.6532.8.070	Screw	4
45	12.5050.1.501	Belt	1

ELECTRONIC BOX — ELECTRONIC PARTS - I

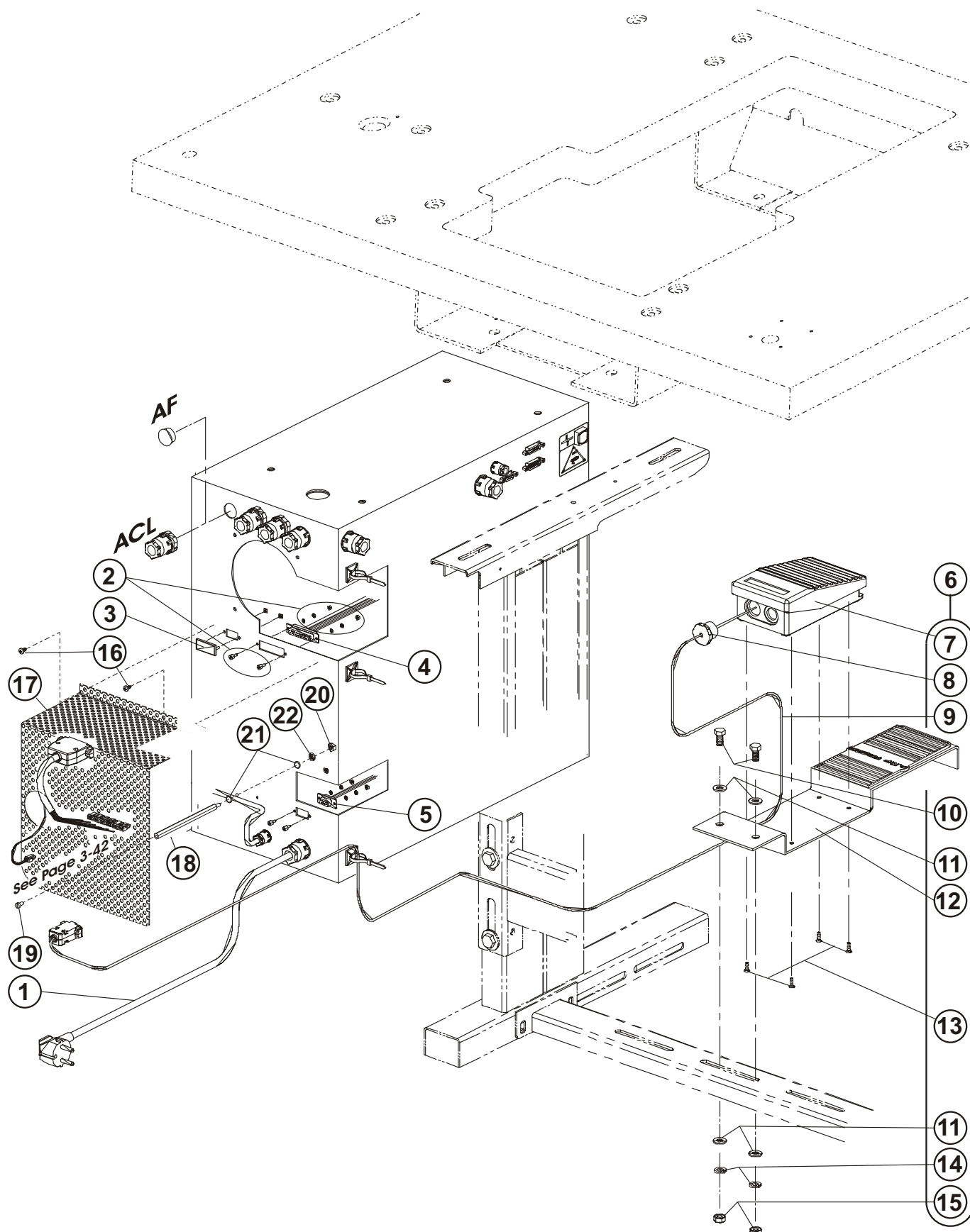


ELECTRONIC BOX — ELECTRONIC PARTS - I

DET	PART NUMBER	DESCRIPTION	QTY.
01	08.6532.8.070	Screw	4
02	12.0008.4.761	Fan Cover With Filter ●●●	2
03	12.0008.4.777	Stopper ●●●	1
04	12.8000.0.077	Electrical Diagram Label	1
05	08.6032.4.012	Screw	14
06	08.6032.4.016	Screw	4
07	12.0008.4.231	Bushing ●●●	6
08	12.0008.4.207	Bushing ●●●	2
09	12.0008.4.613	Pushbutton	1
10	12.0008.4.615	Switch Unit (ZB6-E2B)	(1)
11	12.8000.0.410	Label	
12	19.0007.9.059	Cable X9A	1
13	19.0007.9.008	Sew Motor	1
14	08.6702.4.000	Nut	12
15	12.0008.4.691	Fan Rack	1
16	12.0008.4.378	Label	1
17	12.0008.4.835	Knob	1
18	12.8000.0.040	Label	1
19	00.2751.3.602	Label "CAUTION"	1
20	12.0008.4.682	Fan	1
21	19.0094.2.410	Gasket	1
22	08.6702.6.000	Nut	2
23	08.6832.6.000	Washer	2
24	08.6852.8.000	Washer	4
25	08.6702.8.000	Nut	4
26*	12.0008.4.231	Bushing* ●●●	1*
27*	19.0007.9.011	Cable Motor * (T)	1*
28	19.0005.0.014	Driving Box	1
29	19.0007.9.061	Cable X7A	1
30	19.0007.9.062	Cable X8A	1

* — ACL (Adjustable Cutting Length)

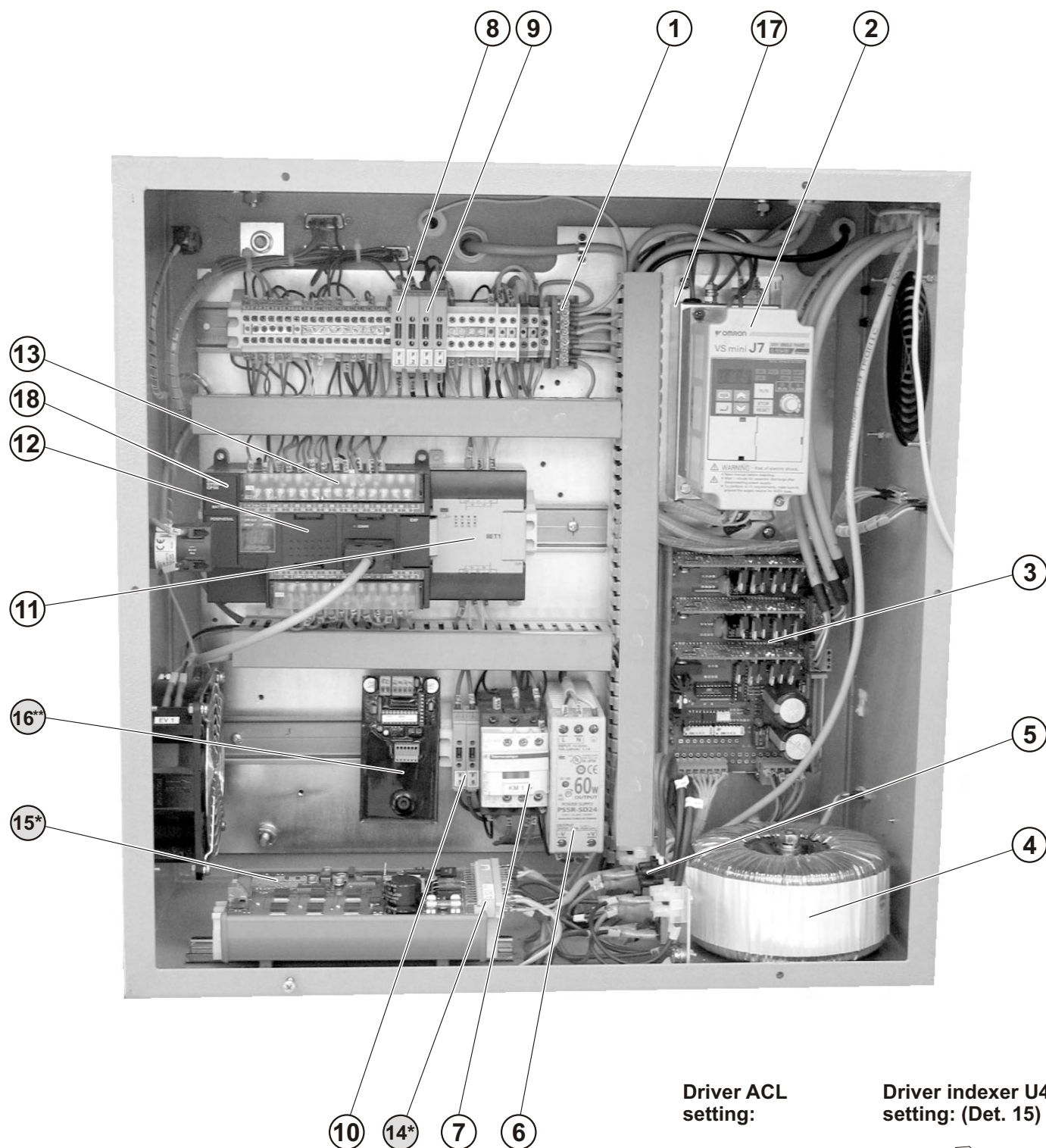
ELECTRONIC BOX — ELECTRONIC PARTS - II



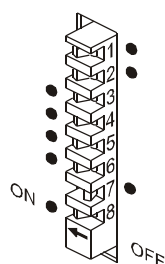
Electronic Box — Electronic Parts - II

DET	PART NUMBER	DESCRIPTION	QTY.
01	12.0008.4.885	Cable Flexo	1
02	12.0008.4.710	Screw Kit	5
03	12.0008.4.758	Stopper	1
04	19.0007.9.057	Cable X4A	1
05	19.0007.9.058	Cable X5A	1
06	19.0007.9.037	Pedal Assembly	1
07	06.8800.0.001	Pedal ●●●	(1)
08	12.0008.4.296	Bushing ●●●	(1)
09	19.0007.9.036	Cable	(1)
10	08.6312.8.020	Screw	(2)
11	08.6852.8.000	Washer	(4)
12	24.0097.0.000	Holder Pedal	(1)
13	08.6100.4.012	Screw	(4)
14	08.6802.8.000	Spring Washer	(2)
15	08.6702.8.020	Screw	(2)
16	08.6662.4.010	Screw	2
17	19.0083.1.688	Cover	1
18	19.0014.6.412	Distance Nut	1
19	08.6010.4.008	Screw	2
20	08.6702.4.000	Nut	1
21	08.6852.4.000	Washer	2
22	08.6832.4.000	Washer Serated	1

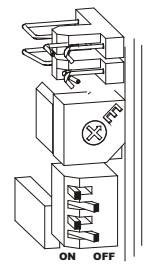
ELECTRONIC BOX — ELECTRONIC PARTS - III



**Driver ACL
setting:**



**Driver indexer U4
setting: (Det. 15)**



* Only indexer

** Only ACL

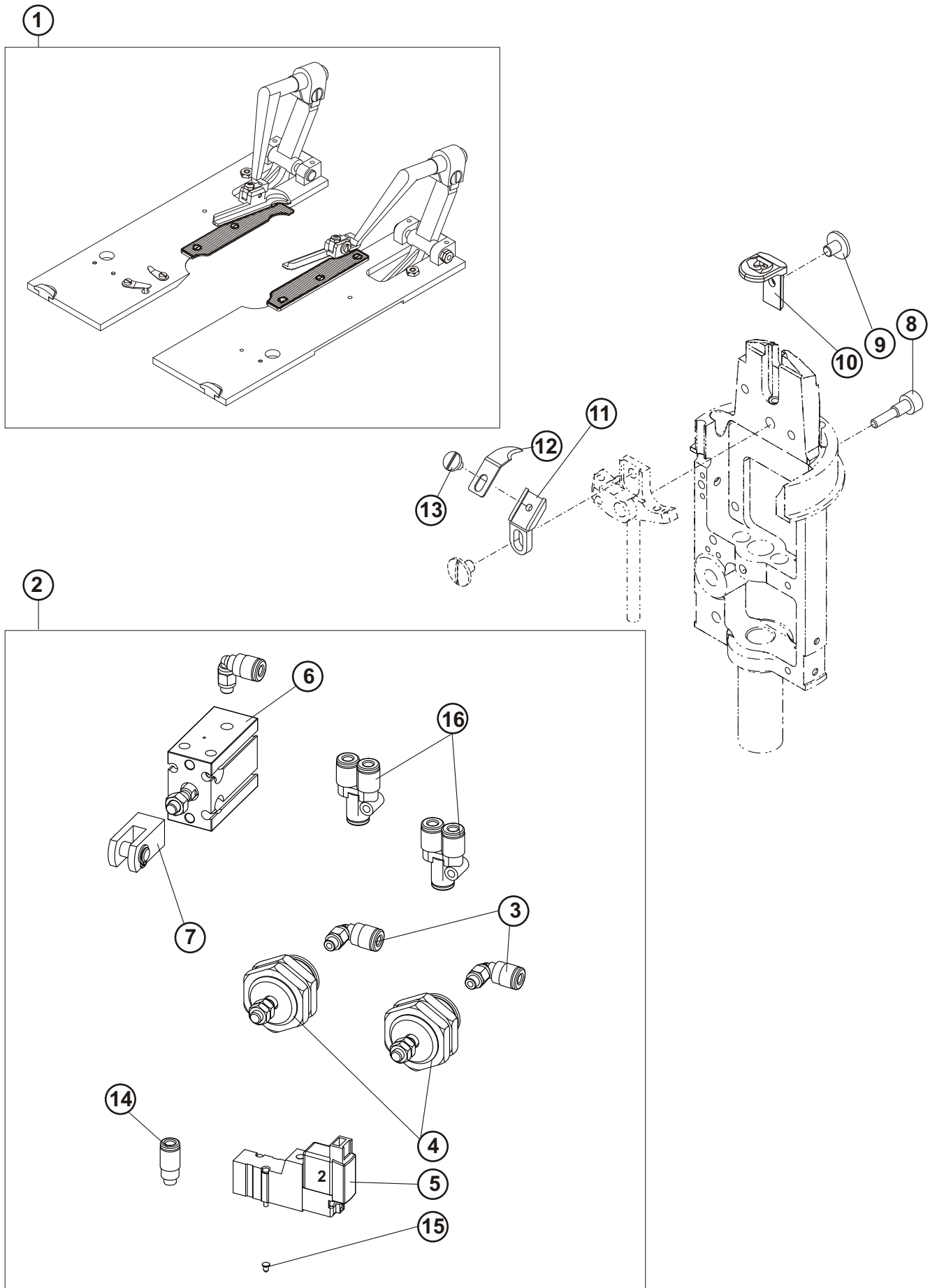
ELECTRONIC BOX — ELECTRONIC PARTS - III

DET	PART NUMBER	DESCRIPTION	QTY.
01	12.0008.4.050	Bridge GND	1
02	19.8001.0.008	Inverter U5	1
03	12.0010.4.080	Drivers U1, U2, U3 MD-921-1	1
04	12.0008.4.756	Trafo GS3	1
05	12.0008.4.770	Rectifier	2
06	12.0010.4.168	Power 24V GS1	1
07	12.0008.4.833	Contactor 24V	1
08	12.0008.4.665	Fuse F1, F2 T2A	1
09	12.0008.4.664	Fuse F3, F4 T10A	1
10	12.0008.4.664	Fuse F5, F6 T10A	1
11	12.0010.4.071	Ext. Block 8ET1	1
12	19.8000.1.007	PLC CP1H Omron	1
13	12.0010.4.067	Port RS232	1
14*	06.1900.0.007	Connector U4 Assy	1
15*	12.0008.4.754	Driver U4 Indexer	1
16**	12.0008.4.898	Driver U4 ACL	1
17	12.0010.4.078	Filter	1
18	12.0010.4.163	Battery PLC Omron	1

* only indexer

** only ACL

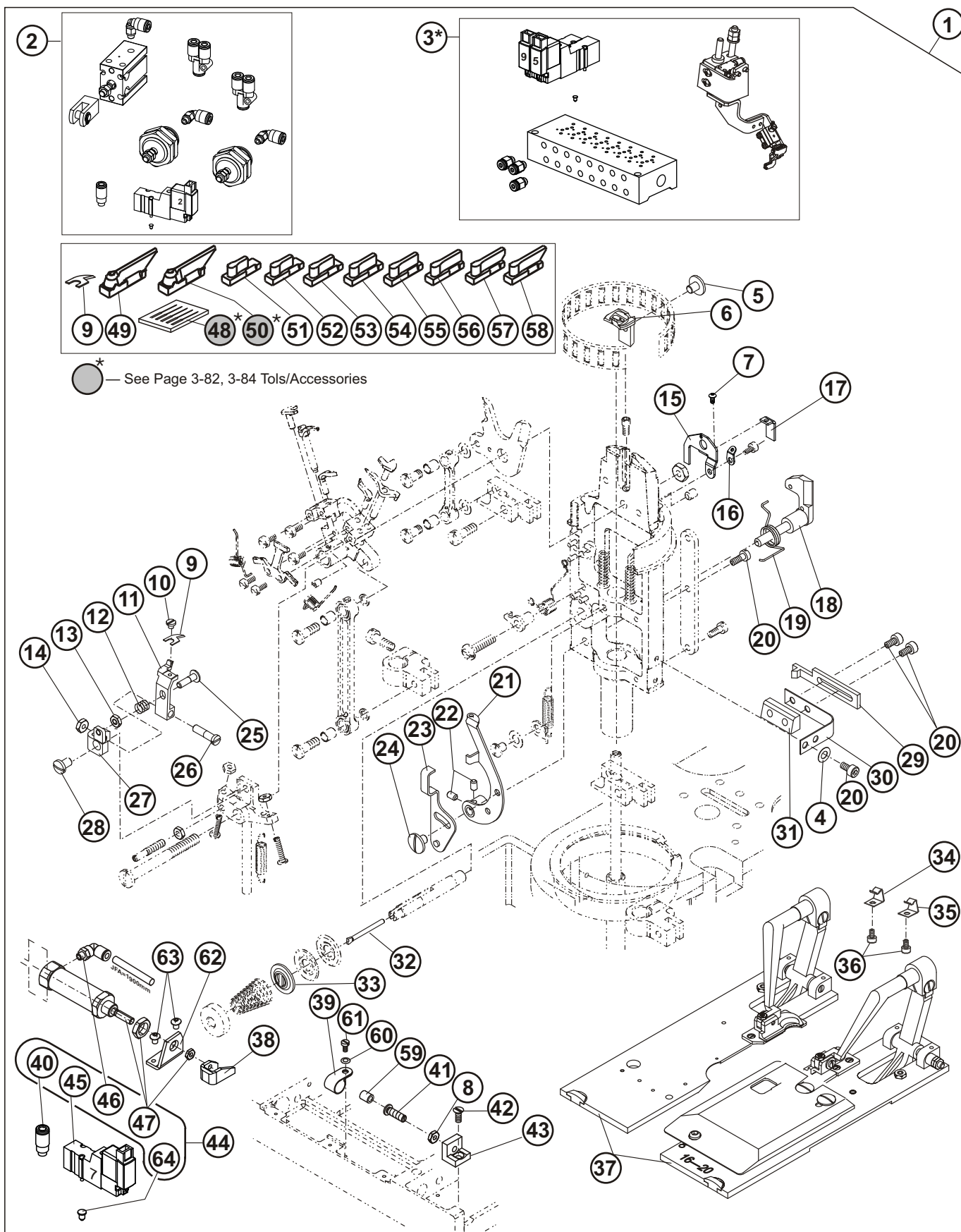
VERSION AF



VERSION AF

DET	PART NUMBER	DESCRIPTION	QTY.
01	19.0003.1.600	Clamps	1
02	12.0008.3.543	Kit Pneumatics AF	1
03	12.0008.3.411	Connector	(3)
04	12.0008.3.734	Cylinder	(2)
05	12.0008.3.780	Valve	(1)
06	12.0008.3.779	Cylinder	(1)
07	12.0008.3.739	Knuckle	(1)
08	19.0013.0.001	Screw	1
09	01.2056.1.000	Screw	1
10	10.4012.1.001	Throat Plate	1
11	19.0082.3.410	Knife Holder	1
12	17.0087.0.204	Knife	1
13	17.0012.0.605	Screw	1
14	84.0004.6.847	Connector	(1)
15	12.0008.3.781	Plug	(1)
16	12.0008.3.736	Connector	(2)

VERSION CT



VERSION CT

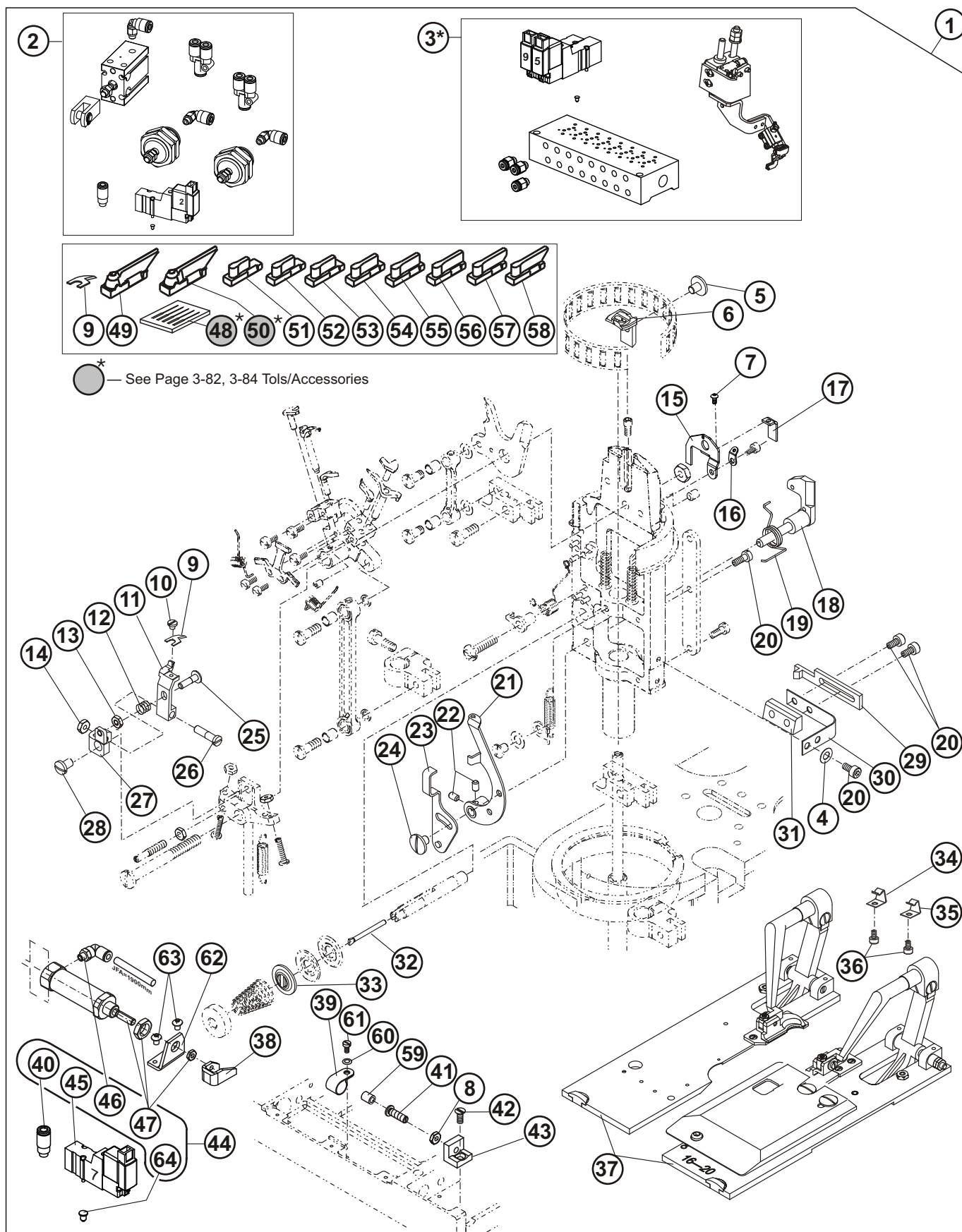
DET	PART NUMBER	DESCRIPTION	QTY.
01	03.5519.4.022	Kit S311 CT 14 — 24	1
	03.5519.4.023	Kit S311 CT 22 — 32	
	03.5519.4.029	Kit S311 CT 14 — 32	
02	See Page 3-53	Kit Pneumatics AF	(1)
03*	See Page 3-63	Kit Thread Clamp S311 (03.5519.4.013)	(1)
04	08.6850.3.000	Washer	(1)
05	01.2056.1.000	Screw	(1)
06	10.4012.5.016	Throat Plate C36-21	(1)
07	08.6200.3.005	Screw	(1)
08	08.6710.5.000	Nut	1
09	19.0087.0.420	Knife CT*	(1+1*)
10	17.0012.0.688	Screw *	(1)
11	19.0061.6.401	Knife Holder CT*	(1)
12	17.0026.0.218	Spring	(1)
13	08.6700.3.000	Nut	1
14	17.0016.1.401	Nut	(1)
15	19.0083.4.034	Thread Smoother	(1)
16	19.0082.1.413	Thread Smoother	(1)
17	19.0083.4.035	Thread Guard	(1)
18	19.0005.2.210	Lever	(1)
19	18.0026.4.403	Spring	(1)
20	08.6010.3.006	Screw	(4)
21	19.0005.2.216	Lever	(1)
22	08.6400.4.004	Screw	(2)
23	19.0082.2.526	Lever	(1)
24	17.0012.1.137	Screw	(1)
25	17.0014.1.178	Screw	(1)
26	17.0013.1.482	Screw	(1)
27	19.0082.6.420	Holder	(1)
28	19.0012.0.689	Screw	(1)
29	19.0062.5.405	Lever	(1)
30	18.0028.3.401	Spring	(1)
31	18.0082.6.406	Block	(1)
32	18.0031.0.481	Pin	(1)
33	17.0082.8.082	Release Washer	(1)
34	19.0028.3.403	Sring Clip L.H.	(1)
35	19.0028.3.404	Sring Clip R.H.	(1)
36	19.0012.5.400	Screw M3-2,3	(2)
37	See Table Below	Clamps	(1)
38	15.0082.3.442	Actuator	1
39	12.0008.4.280	Cord Clamp	(1)
40	84.0004.6.847	Connector	((1))
41	08.6000.5.060	Screw	(1)
42	08.6100.4.010	Screw	(1)

*

— Tools/Accessories



VERSION CT



VERSION CT

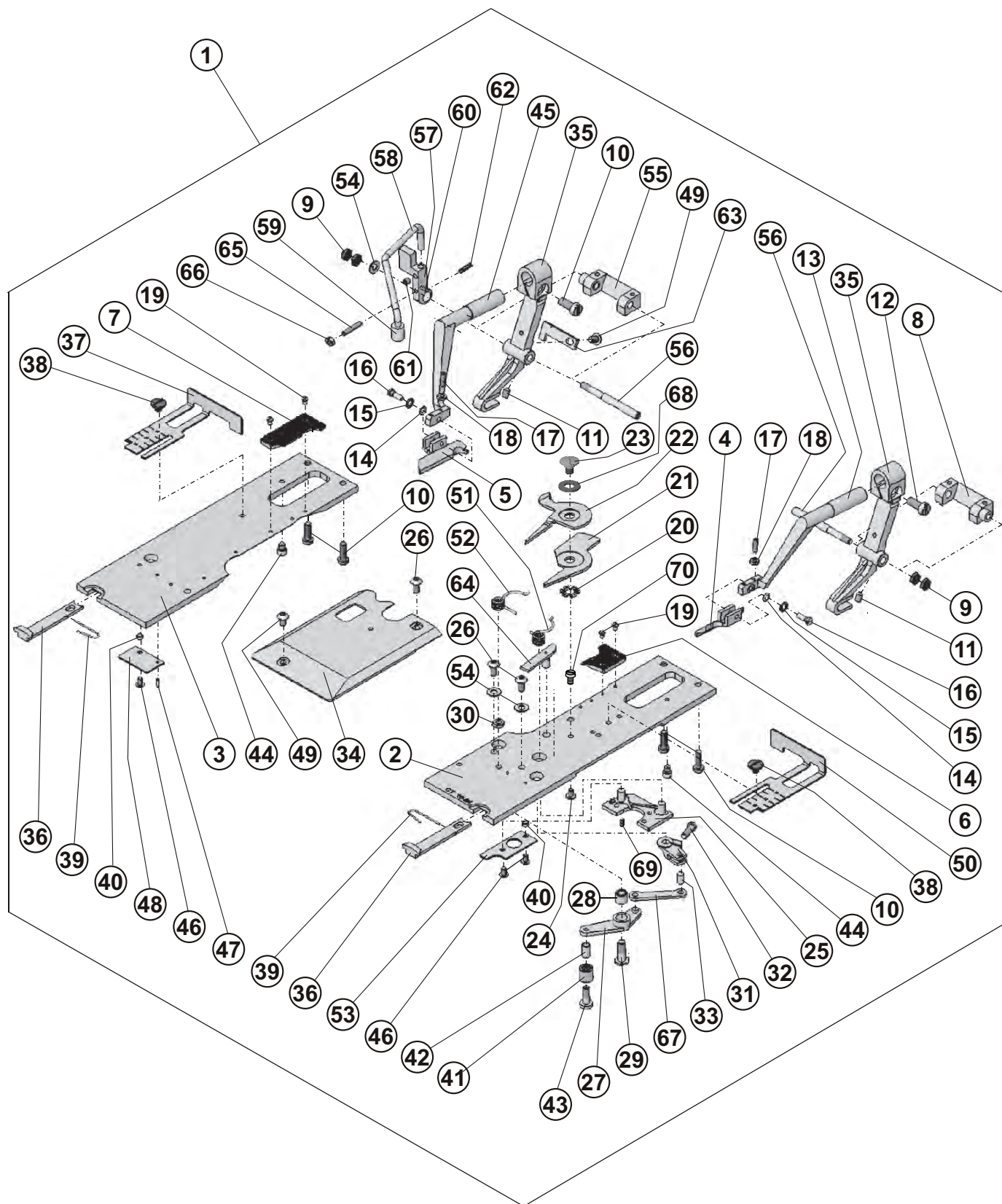


DET	PART NUMBER	DESCRIPTION	QTY.
43	19.0064.6.472	Stop	(1)
44	12.0008.3.555	Kit Pneumatics S311 CT	(1)
45	12.0008.3.780	Valve	((1))
46	12.0008.3.411	Connector	((1))
47	12.0008.3.827	Cylinder	((1))
48*	02.0558.0.112	Needle 558 Nm110	6
49	19.0087.0.432	Knife 28x42-38	1
50*	19.0087.0.434	Knife 32x50-38	1
51	See Table Below	Cuting Steel 16T	—
52	See Table Below	Cuting Steel 19T	—
53	See Table Below	Cuting Steel 20T	—
54	See Table Below	Cuting Steel 22T	—
55	See Table Below	Cuting Steel 24T	—
56	See Table Below	Cuting Steel 26T	—
57	See Table Below	Cuting Steel 29T	—
58	See Table Below	Cuting Steel 32T	—
59	19.0095.1.406	Rest	(1)
60	08.6852.4.000	Washer	(1)
61	08.6000.3.008	Screw	(1)
62	19.0082.3.463	Holder	(1)
63	08.6200.4.006	Screw	(1)
64	12.0008.3.781	Plug	((1))

* — Tools/Accessories

DET	Kit Version CT						DESCRIPTION
	03.5519.4.022		03.5519.4.023		03.5519.4.029		
	S311 CT 14 — 24		S311 CT 22 — 32		S311 CT 14 — 32		
	PART NUMBER	QTY.	PART NUMBER	QTY.	PART NUMBER	QTY.	
43	19.0003.1.691	1	—	—	19.0003.1.691	1	Clamps S311 CT 14—24
	—	—	19.0003.1.692	1	19.0003.1.692	1	Clamps S311 CT 22—32
61	19.0064.5.849	1	—	—	19.0064.5.849	1	Cuting Steel 16T
62	19.0064.5.852	1	—	—	—	—	Cuting Steel 19T
63	19.0064.5.851	1	—	—	19.0064.5.851	1	Cuting Steel 20T
64	19.0064.5.852	1	—	—	—	—	Cuting Steel 22T
65	19.0064.5.853	1	19.0064.5.853	1	19.0064.9.853	1	Cuting Steel 24T
66	—	—	19.0064.5.854	1	—	—	Cuting Steel 26T
67	—	—	19.0064.5.855	1	—	—	Cuting Steel 29T
68	—	—	19.0064.5.856	1	19.0064.5.856	1	Cuting Steel 32T

VERSION CT CLAMPING

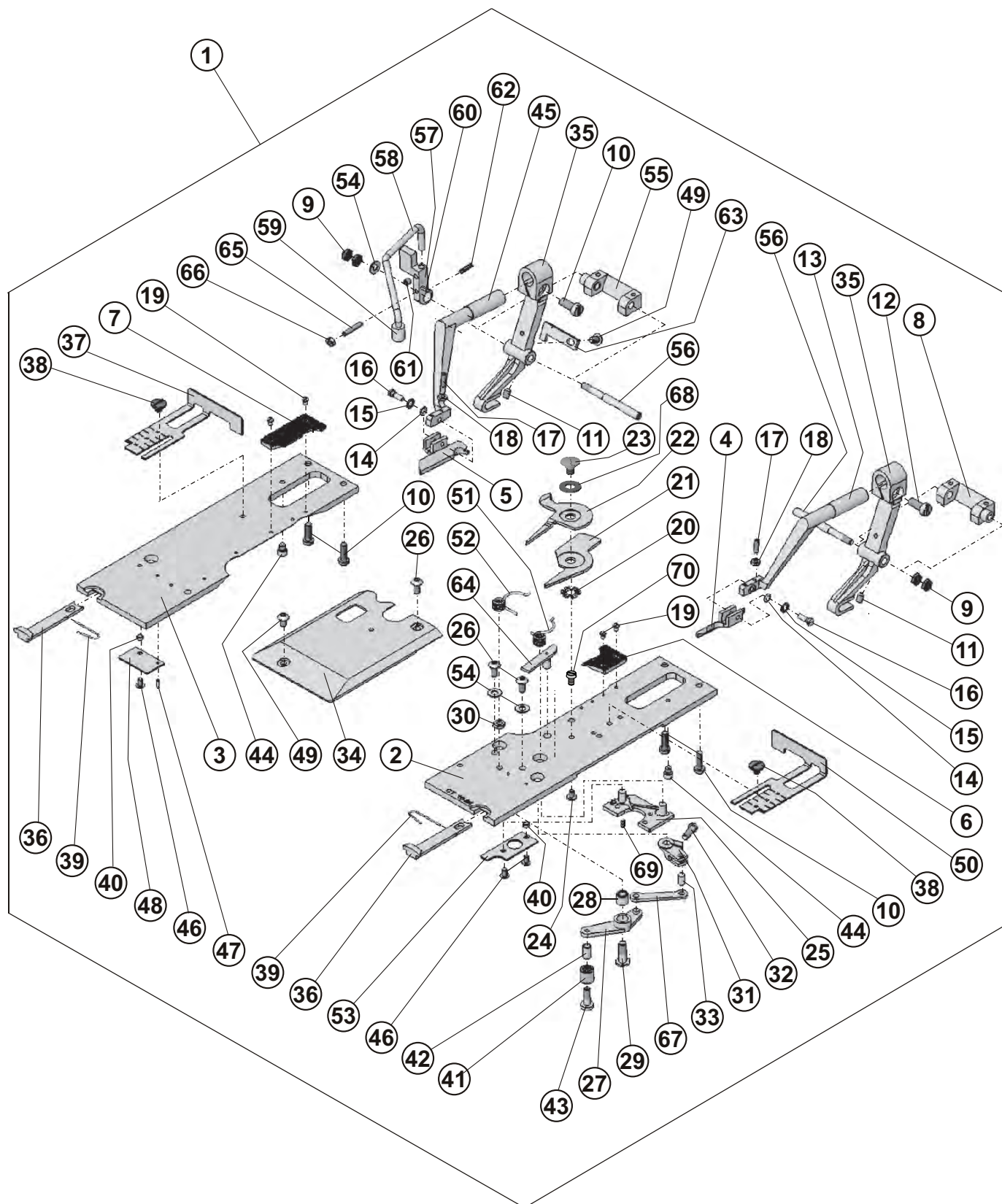


VERSION CT CLAMPING

DET	PART NUMBER	DESCRIPTION	QTY.
01	19.0003.1.691	Modification (14-24)	1
	19.0003.1.692	Modification (22-32)	
02	See Table Below	R.H.Plate	
03	19.0081.5.433	L.H.Plate	
04	See Table Below	Clamp Foot Right	
05	See Table Below	Clamp Foot Left	
06	See Table Below	Clamp Mat Right	
07	See Table Below	Clamp Mat Left	
08	19.0064.7.424	Block Right	1
09	See Table Below	Nut M4	4
10	08.6010.4.012	Screw M4-12	4
11	08.6400.4.006	Screw M4-6	2
12	08.6010.5.012	Screw M5-12	2
13	19.0066.8.400	Clamp Arm Right	1
14	17.0019.2.066	Washer	2
15	17.0019.5.040	Washer	2
16	17.0013.5.067	Screw	2
17	08.6400.3.010	Screw M3-10	2
18	08.6710.3.000	Nut M3	2
19	17.0012.3.054	Screw	4
20	12.3013.0.002	Washer-Spring	1
21	19.0087.0.446	Lower Shear-Cord Trim	1
22	19.0087.0.447	Uppre Shear - CT	1
23	19.0013.1.498	Pivot Screw	1
24	17.0012.0.605	Screw	1
25	19.0005.2.220	Actuator Assembly	1
26	08.6200.4.008	Screw M4-8	3
27	See Table Below		1
28	19.0044.1.626	Bushing	1
29	19.0012.1.404	Screw	1
30	17.0016.1.054	Nut	1
31	19.0061.3.605	Lever	1
32	17.0012.0.543	Screw M4-12	1
33	12.1010.0.408	Pin	1
34	19.0074.6.228	Cover CT	1
35	19.0063.5.410	Clamp Arm Base Uni	2
36	19.0062.5.408	Pawl	2
37	19.0082.6.421	L.H.Cloth Gauge	1
38	17.0012.4.106	Screw M4	2
39	19.0027.1.610	Springt	2
40	19.0041.0.684	Ring Insert	2
41	12.2050.1.005	Ložisko	1
42	19.0041.1.400	Bushing	1



VERSION CT CLAMPING



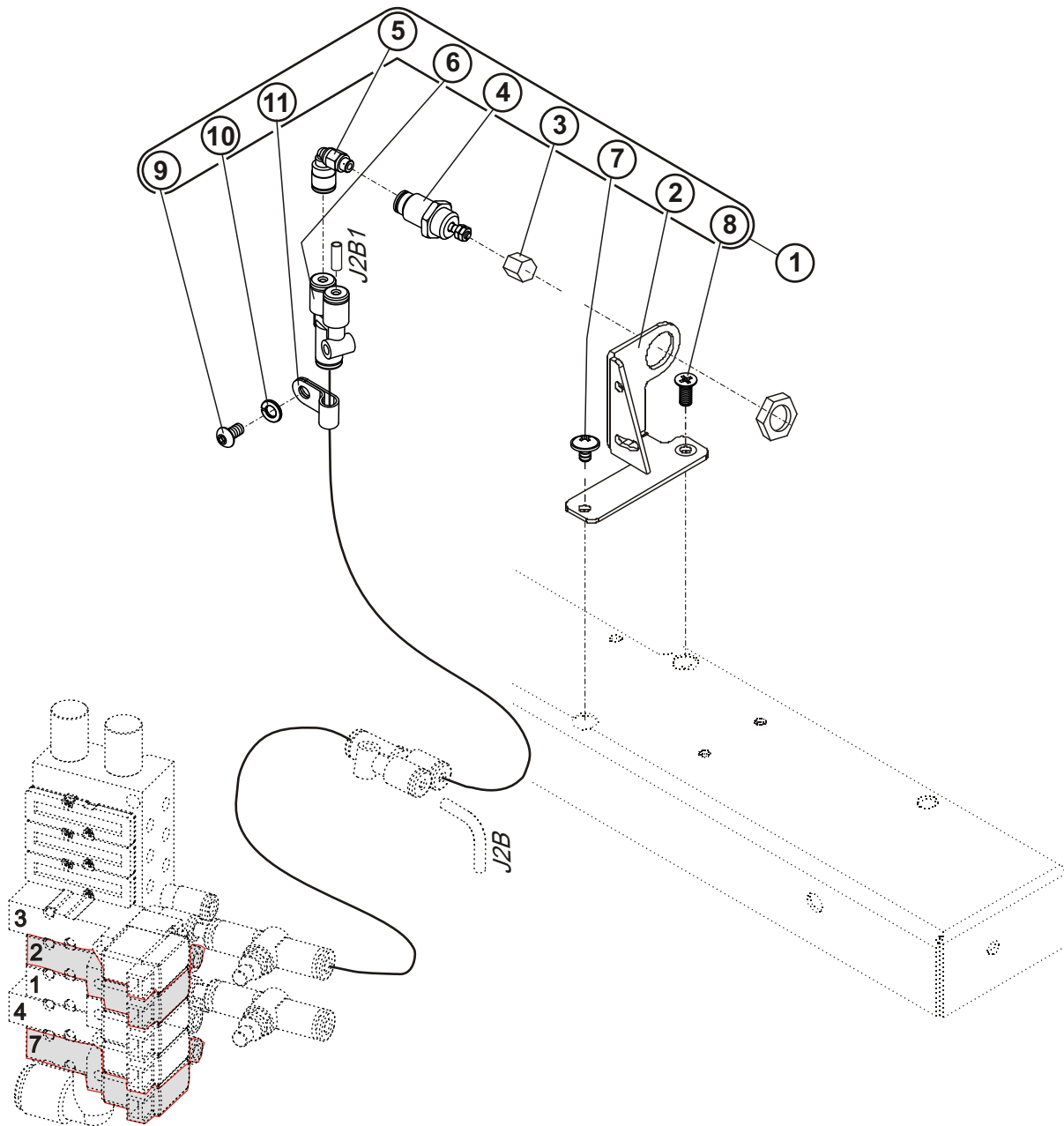
VERSION CT CLAMPING



DET	PART NUMBER	DESCRIPTION	QTY.
43	17.0012.1.142	Screw	1
44	19.0033.1.404	Screw	2
45	19.0066.8.401	Clamp Arm Left	1
46	08.6200.3.005	Screw M3-5	3
47	See Table Below	Pin	1
48	See Table Below	Cover Plate	1
49	08.6200.4.006	Screw M4-6	2
50	19.0082.6.422	R.H.Cloth Gauge	1
51	17.0026.4.064	Springt	1
52	17.0026.4.065	Spring - Torsion	1
53	See Table Below	Cover Plate	1
54	08.6850.4.000	Washer M4	3
55	19.0064.7.423	Block Left	1
56	19.0032.8.404	Screw CT	2
57	18.0064.8.426	Hold Down Finger Right	1
58	19.0027.1.617	Holder	1
59	19.0095.1.401	Inset	1
60	12.1015.0.002	Pin	1
61	08.6400.4.005	Screw M4-4	1
62	01.5041.0.000	Spring-Extension	1
63	19.0081.0.510	Stop	1
64	19.0062.5.415	Actuator	1
65	08.6400.3.010	Screw M3-10	1
66	08.6700.3.000	Nut M3	1
67	See Table Below	Lever	1
68	19.0019.6.402	Washer	1
69	08.6400.3.006	Screw M3-6	1
70	08.6010.3.005	Screw 13-5	1

DET	MODIFICATION KIT — BUTTONHOLE LENGTH			
	19.0003.1.691		19.0003.1.692	
	14—24		22—32	
	PART NUMBER	QTY.	PART NUMBER	QTY.
2	19.0081.5.483	1	19.0081.5.487	1
4	19.0066.7.412	1	19.0066.7.426	1
5	19.0066.7.413	1	19.0066.7.427	1
6	19.0081.1.766	1	19.0081.1.768	1
7	19.0081.1.767	1	13.0081.1.769	1
27	19.0063.3.408	1	19.0063.3.407	1
67	19.0081.0.514	1	19.0081.0.512	1

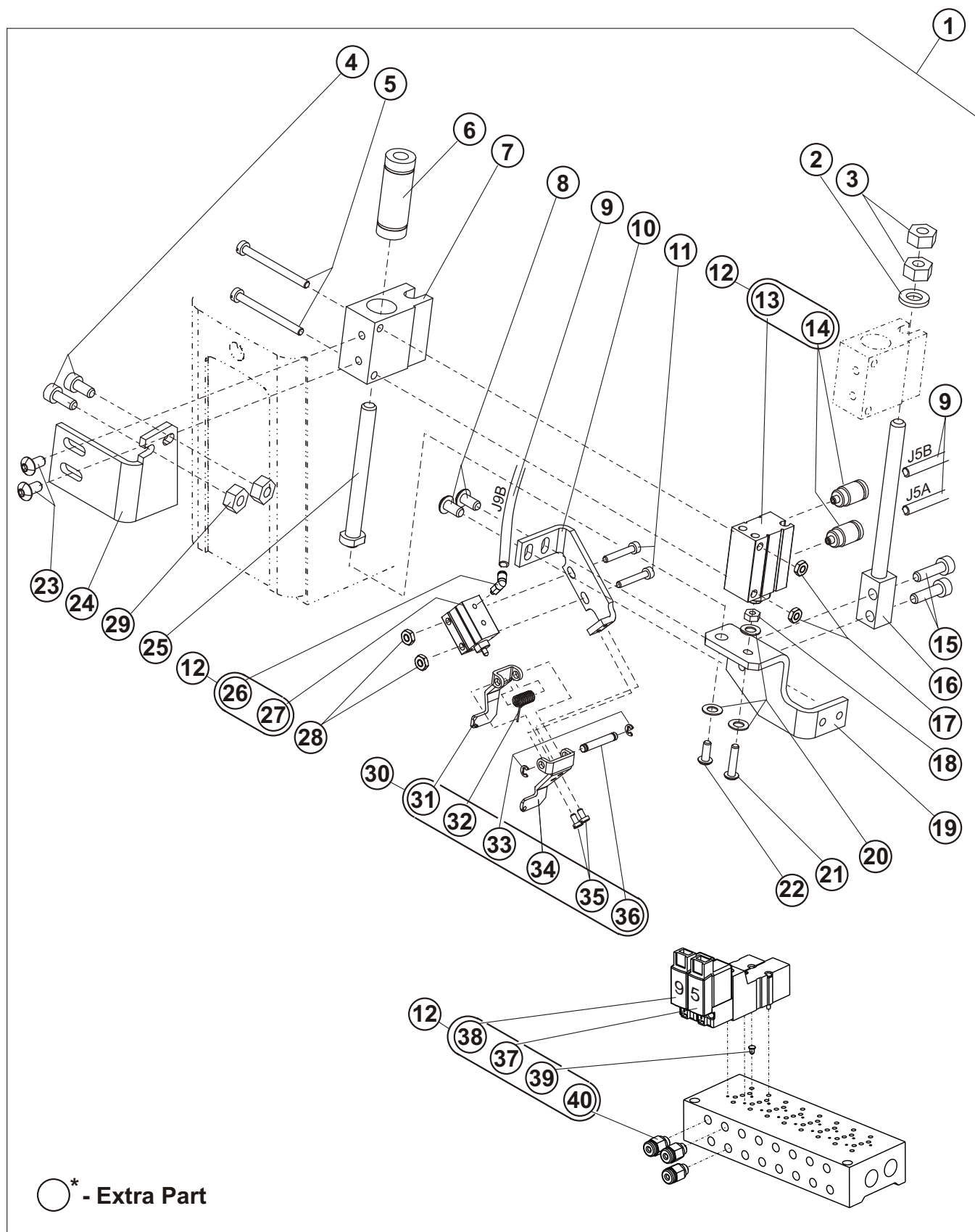
CLAMP ARM



CLAMP ARM

DET	PART NUMBER	DESCRIPTION	QTY.
01	03.5519.4.009	Clamp arm ass.	1
02	19.0083.4.009	L.H.Cylinder Holder	(1)
03	19.0016.3.406	Matice M4	(1)
04	12.0008.3.440	Cylinder	(1)
05	12.0008.3.739	Connector	(1)
06	12.0008.3.736	Connector	(1)
07	08.6522.4.006	Screw M4-8	(1)
08	08.6132.4.010	Screw M4-10	(1)
09	08.6200.4.008	Screw M4-8	(1)
10	08.6800.4.000	Washer M4	(1)
11	12.0008.4.913	Clamp	(1)

VERSION CT/LTT — THREAD CLAMP

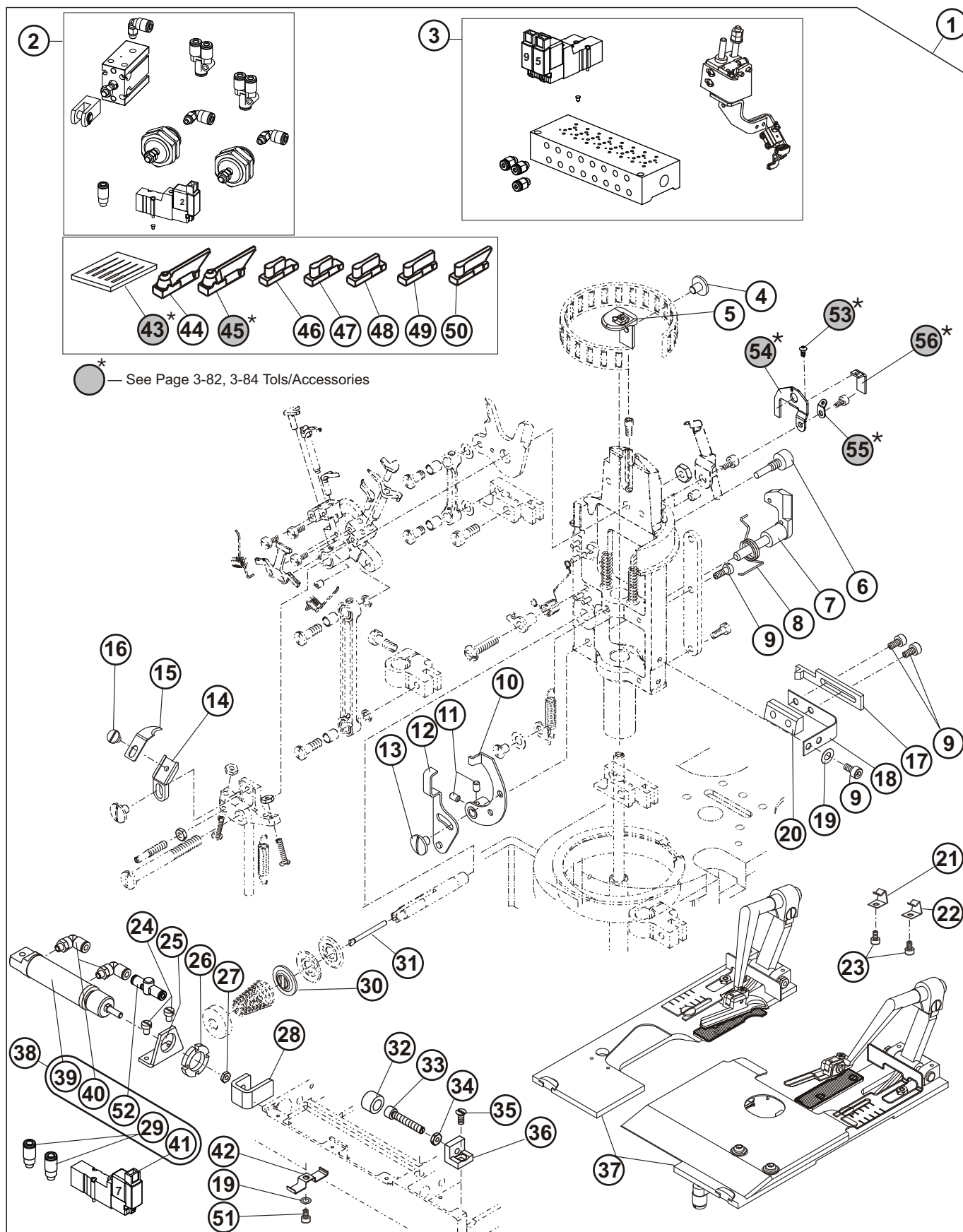


VERSION CT/LTT — THREAD CLAMP

DET	PART NUMBER	DESCRIPTION	QTY.
01*	03.5519.4.013	Kit Thread Clamp	1
02	08.6850.6.000	Washer	(1)
03	08.6700.6.000	Nut	(2)
04	08.6200.4.006	Screw	(2)
05	08.6000.3.030	Screw	(2)
06	12.2070.0.020	Bearing	(1)
07	19.0064.8.438	Block	(1)
08	08.6200.4.006	Screw	(2)
09	19.0094.2.420	Air Tubing Assembly	(1)
10	19.0082.3.448	Bracket	(1)
11	08.6000.7.016	Screw	(2)
12	12.0008.3.547	Kit Pneu S311	(1)
13	12.0008.3.631	Cylinder	((1))
14	12.0008.3.761	Connector	((2))
15	08.6000.4.014	Screw	(2)
16	19.0032.6.404	Stud	(1)
17	08.6710.3.000	Nut M3	(2)
18	08.6700.3.000	Nut	(1)
19	19.0082.3.447	Bracket	(1)
20	08.6850.3.000	Washer	(3)
21	08.6000.3.010	Screw	(1)
22	08.6000.3.008	Screw	(1)
23	08.6200.4.012	Screw	(2)
24	19.0082.3.454	Holder	(1)
25	19.0033.3.405	Stud	(1)
26	12.0008.3.784	Connector	((1))
27	19.0008.3.410	Cylinder	((1))
28	08.6702.7.000	Nut M2,5	(2)
29	08.6700.4.000	Nut	(2)
30	19.0002.0.463	Clamp Left Assembly	(1)
31	—	Clamp Left	((1))
32	19.0026.4.404	Spring	(1)
33	12.1045.0.001	E-Ring	((2))
34	—	Clamp Right	((1))
35	08.6010.2.004	Screw	(2)
36	19.0031.8.412	Stud	((1))
37	12.0008.3.782	Valve	((1))
38	12.0008.3.805	Valve	((1))
39	12.0008.3.781	Plug	((1))
40	12.0008.3.783	Connector	((3))

* — Extra Part for CT

VERSION LTT



VERSION LTT

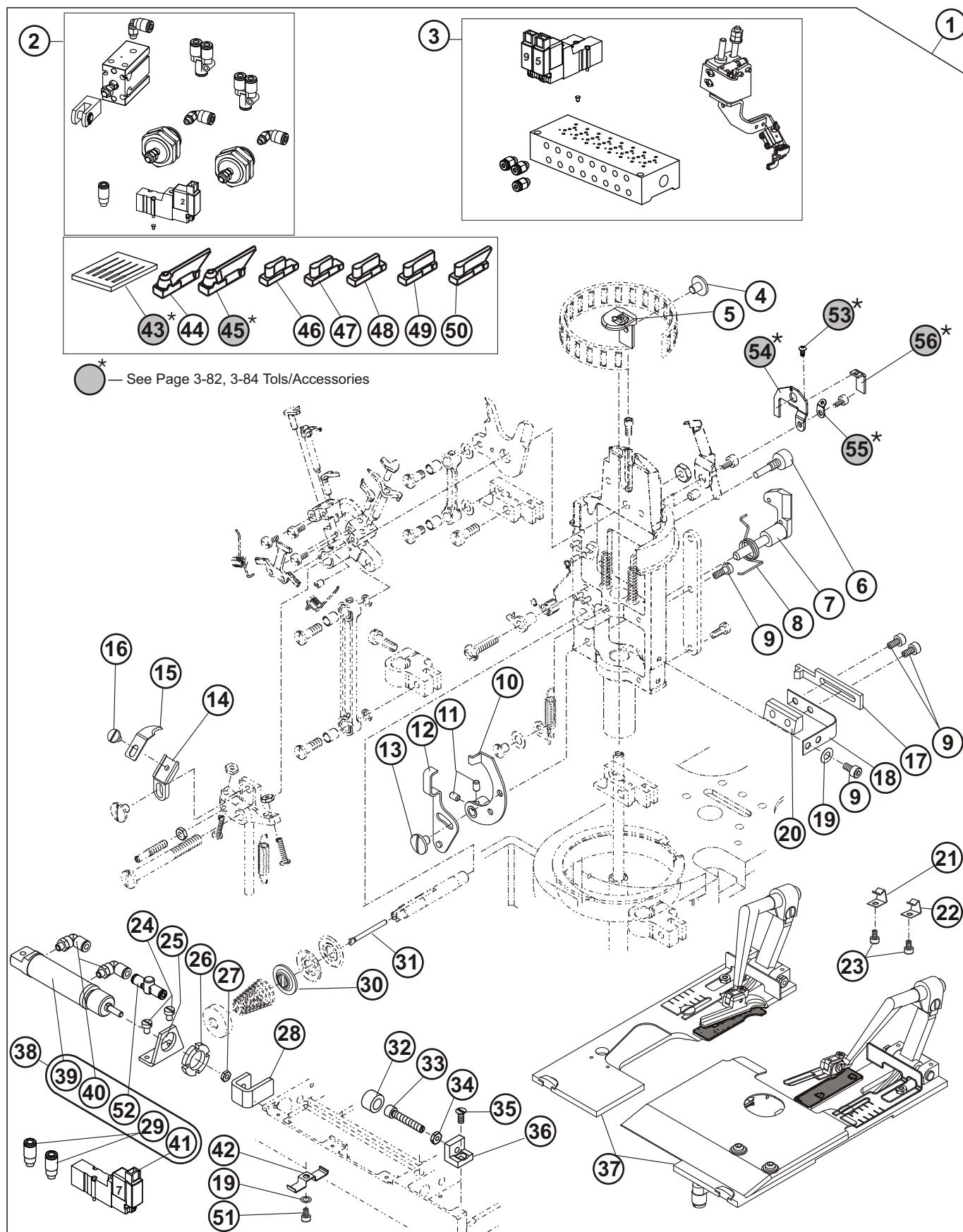
DET	PART NUMBER	DESCRIPTION	QTY.
01	03.5519.3.030	Kit S311 LTT	1
02	12.0008.3.543	Kit Pneu S311 AF	(1)
03	03.5519.4.013	Kit Thread Clamp	(1)
04	01.2056.1.000	Screw	(1)
05	10.4012.0.032	Throat Plate LTT	(1)
06	19.0013.0.001	Screw	(1)
07	19.0005.2.210	Lever	(1)
08	18.0026.4.403	Spring	(1)
09	08.6010.3.006	Screw	(3)
10	19.0005.2.219	Lever	(1)
11	08.6400.4.004	Screw	(2)
12	19.0082.2.526	Lever	(1)
13	17.0012.1.137	Screw	(1)
14	19.0082.3.410	Knife Holder	(1)
15	17.0087.0.204	Knife	(1)
16	17.0012.0.688	Screw	(1)
17	19.0062.5.405	Lever	(1)
18	18.0028.3.401	Spring	(1)
19	08.6850.3.000	Washer	(2)
20	18.0082.6.406	Block	(1)
21	19.0028.3.403	Spring Clip L.H.	(1)
22	19.0028.3.404	Spring Clip R.H.	(1)
23	19.0012.5.400	Screw M3-2,3	(2)
24	08.6012.4.006	Screw M4x6	(2)
25	19.0082.3.435	Holder	(1)
26	19.0016.3.408	Nut	(1)
27	08.6702.6.000	Nut M6	(1)
28	19.0082.3.434	Actuator	(1)
29	84.0004.6.847	Connector	((2))
30	17.0082.8.082	Release Washer	(1)
31	18.0031.0.481	Pin	(1)
32	19.0095.1.406	Rest	(1)
33	08.6000.5.060	Screw M5x60	(1)
34	08.6710.5.000	Nut	(1)
35	08.6100.4.010	Screw	(1)
36	19.0064.6.472	Stop	(1)
37	19.0003.1.655	Kit Clamps	(1)
38	12.0008.3.545	Kit Pneumatics S311 LTT	(1)
39	12.0008.3.622	Cylinder	((1))
40	12.0008.3.411	Connector	((2))
41	12.0008.3.782	Valve	((1))
42	19.0082.6.434	Holder Tube	(3)

*

For LTT + I



VERSION LTT



VERSION LTT

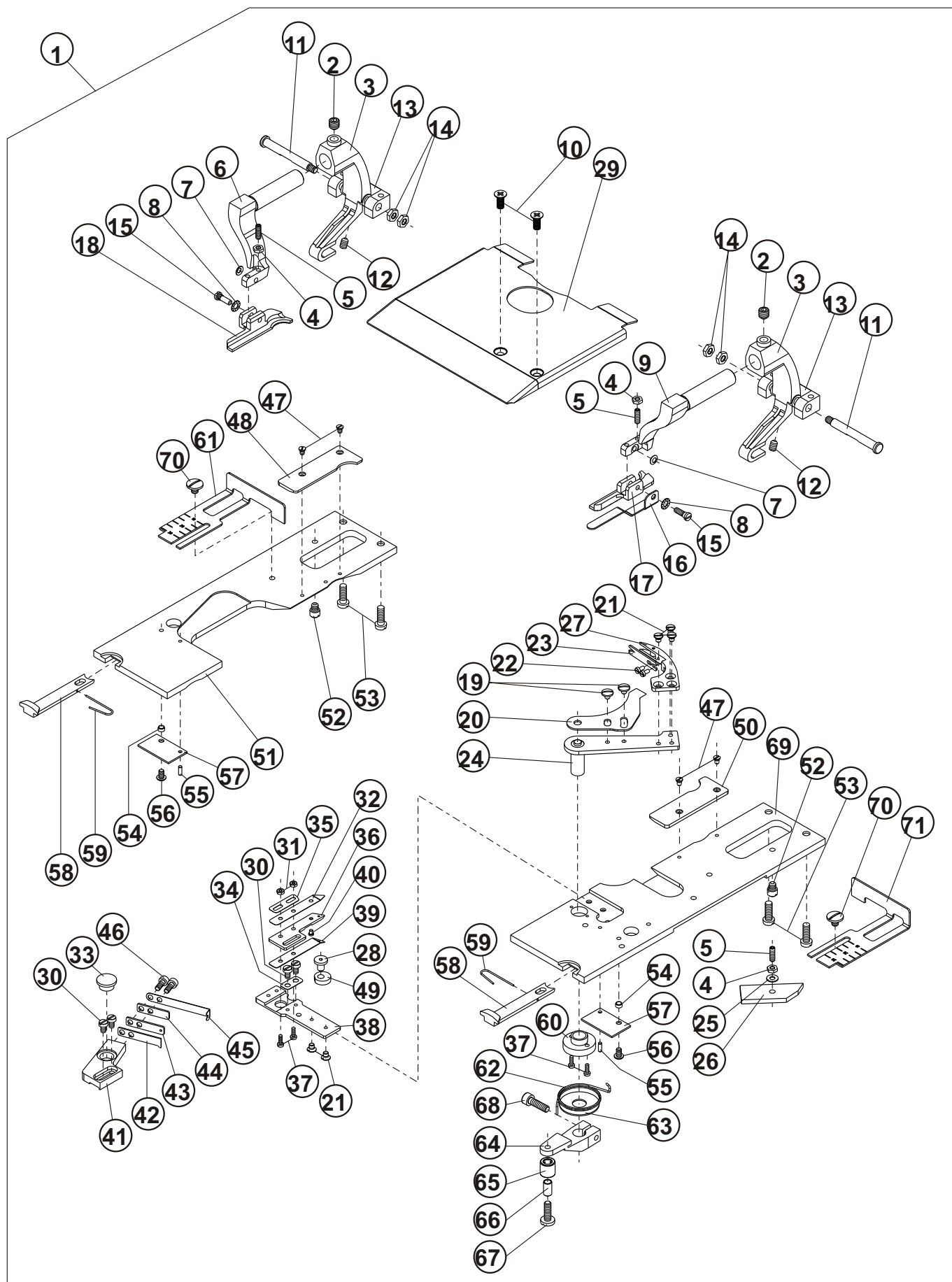


DET	PART NUMBER	DESCRIPTION	QTY.
43	02.0558.0.111	Needle 558 Nm100	(5)
44	19.0087.0.432	Knife 28x42-38	(1)
45	19.0087.0.434	Knife 32x50-38	(1)
46	19.0064.5.849	Cuting Steel 16T	(1)
47	19.0064.5.952	Cuting Steel 19T	(1)
48	19.0064.5.852	Cuting Steel 22T	(1)
49	19.0064.5.854	Cuting Steel 26T	(1)
50	19.0064.5.856	Cuting Steel 32T	(1)
51	08.6000.3.006	Screw	1
52	12.0008.3.804	Quick exhaust valve	(1)
53*	08.6200.3.005	Screw	(1)
54*	19.0083.4.034	Thread Smoother	(1)
55*	19.0082.1.413	Thread Smoother	(1)
56*	19.0083.4.035	Thread Guard	(1)

*

For LTT + I

VERSION LTT — CLAMPING

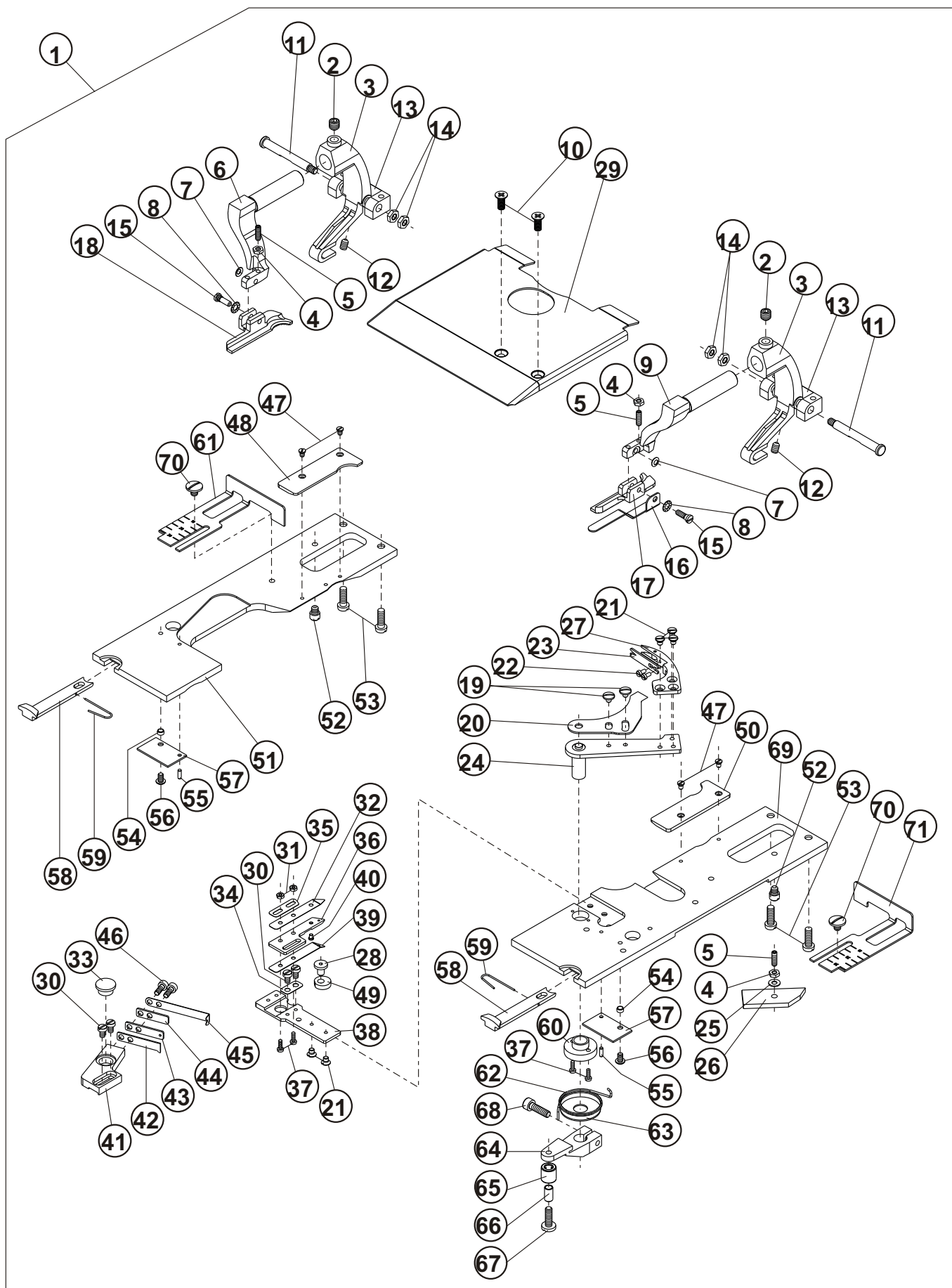


VERSION LTT — CLAMPING

DET	PART NUMBER	DESCRIPTION	QTY.
01	19.0003.1.665	Kit — LTT	1
02	08.6400.6.006	Screw	(2)
03	19.0063.5.418	Clamp Arm Base	(2)
04	08.6710.3.000	Nut	(2)
05	08.6400.3.010	Screw	(3)
06	19.0066.8.405	L.H.Clamp Arm	(1)
07	17.0019.2.066	Curved Spring Washer	(2)
08	17.0019.5.040	Lockwasher	(2)
09	19.0066.8.406	R.H.Clamp Arm	(1)
10	08.6132.4.010	Screw	(2)
11	19.0032.8.401	Shaft	(2)
12	08.6400.4.006	Screw	(2)
13	19.0064.7.402	Block	(2)
14	08.6710.4.000	Nut	(5)
15	17.0013.5.067	Screw	(2)
16	19.0082.3.439	Holder Cloth	(1)
17	19.0066.7.422	R.H.Clamp Foot	(1)
18	19.0066.7.423	L.H.Clamp Foot	(1)
19	17.0012.0.077	Screw	(2)
20	19.0082.6.427	Lower Thread Grasping Opener	(1)
21	08.6112.3.004	Screw	(5)
22	08.6010.2.004	Screw	(2)
23	19.0082.1.405	Treating Plate	(1)
24	19.0005.2.215	Lever	(1)
25	08.6850.3.000	Washer	(1)
26	19.0094.0.410	Rubber	(1)
27	19.0087.0.424	Knife	(1)
28	08.6050.4.006	Screw	(1)
29	19.0004.1.402	Cover	(1)
30	08.6010.3.005	Screw	(4)
31	08.6702.2.000	Nut	(2)
32	19.0081.5.452	Gimp Grasping	(1)
33	19.0094.1.401	Rubber	(1)
34	19.0081.5.451	Grasping Spacer	(1)
35	19.0028.3.407	Spring	(1)
36	19.0082.6.432	Grasping Fixing Plate	(1)
37	08.6012.2.006	Screw	(4)
38	19.0082.6.426	Support Plate	(1)
39	19.0082.3.438	Lower Thread Grasping	(1)
40	19.0031.3.404	Pin	(1)
41	19.0066.8.402	Knife Holder	(1)
42	19.0081.5.453	Fixing Knife	(1)
43	19.0028.3.405	Spring Lower	(1)



VERSION LTT — CLAMPING

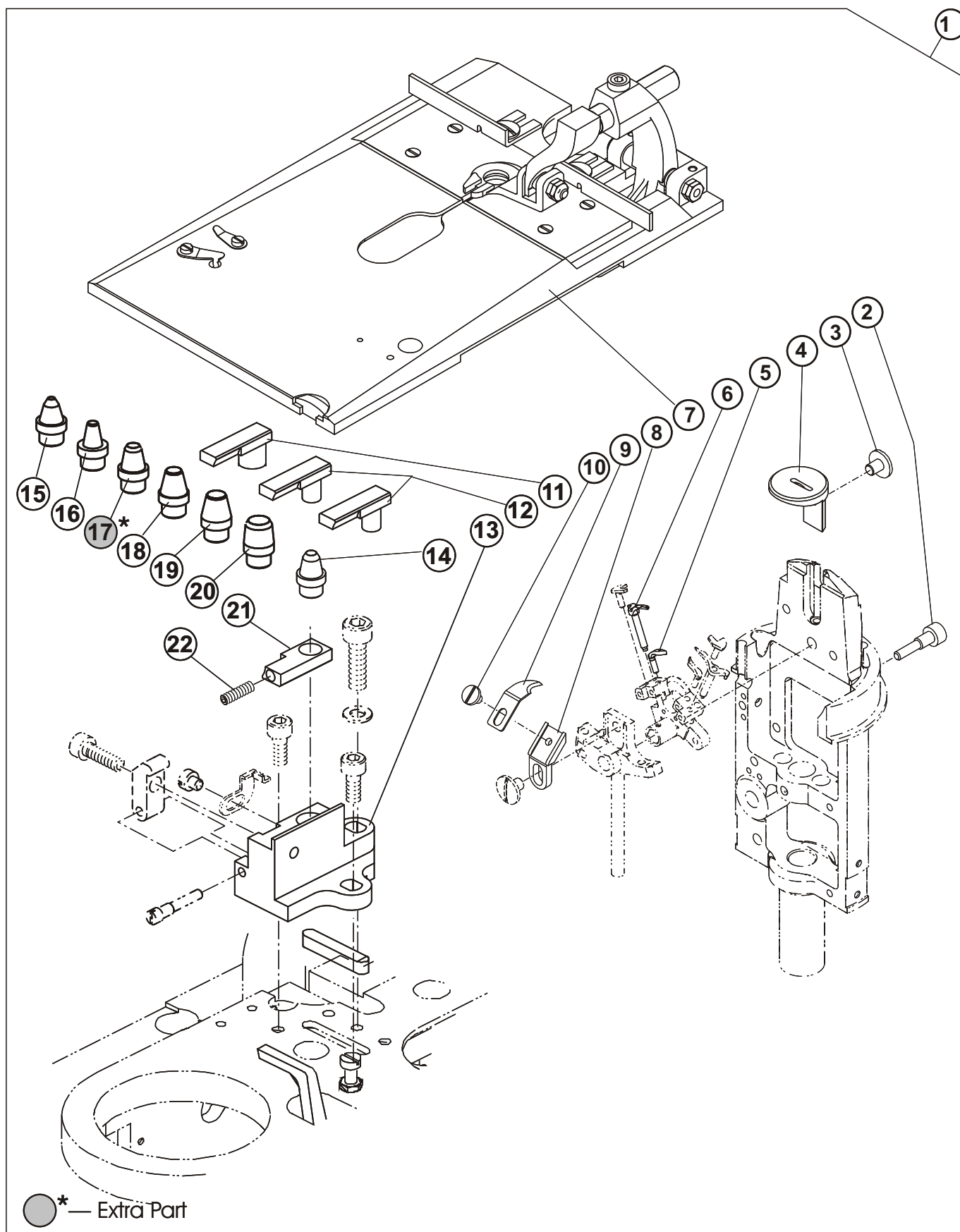


VERSION LTT — CLAMPING



DET	PART NUMBER	DESCRIPTION	QTY.
44	19.0028.3.406	Spring Upper	(1)
45	19.0082.3.437	Guide Plate	(1)
46	08.6000.3.008	Screw	(2)
47	17.0012.3.054	Screw	(4)
48	19.0081.1.771	L.H. Long Clamp	(1)
49	19.0041.6.403	Stop	(1)
50	19.0081.1.770	R.H. Long Clamp	(1)
51	19.0081.5.447	L.H.Plate	(1)
52	19.0033.1.404	Screw	(2)
53	08.6010.4.012	Screw	(4)
54	19.0041.0.684	Ring Insert	(2)
55	12.1010.0.206	Pin	(2)
56	08.6200.3.005	Screw	(2)
57	19.0081.5.449	Cover Plate	(2)
58	19.0062.5.408	Pawl	(2)
59	19.0027.1.610	Spring	(2)
60	19.0042.5.409	Bushing	(1)
61	19.0082.6.421	L.H.Cloth Gauge	(1)
62	19.0026.4.402	Spring	(1)
63	19.0019.0.692	Washer	(1)
64	19.0061.3.611	Lever	(1)
65	12.2050.1.005	Bushing	(1)
66	19.0041.1.400	Bushing	(1)
67	17.0012.1.142	Screw	(1)
68	08.6000.4.012	Screw	(1)
69	19.0081.5.448	R.H.Plate	(1)
70	17.0012.4.106	Screw	(2)
71	19.0082.6.422	R.H.Cloth Gauge	(1)

VERSION RDE

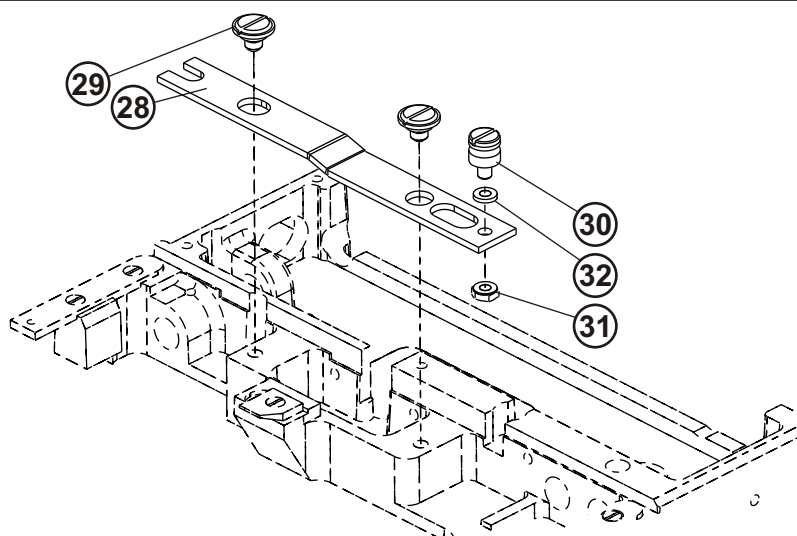
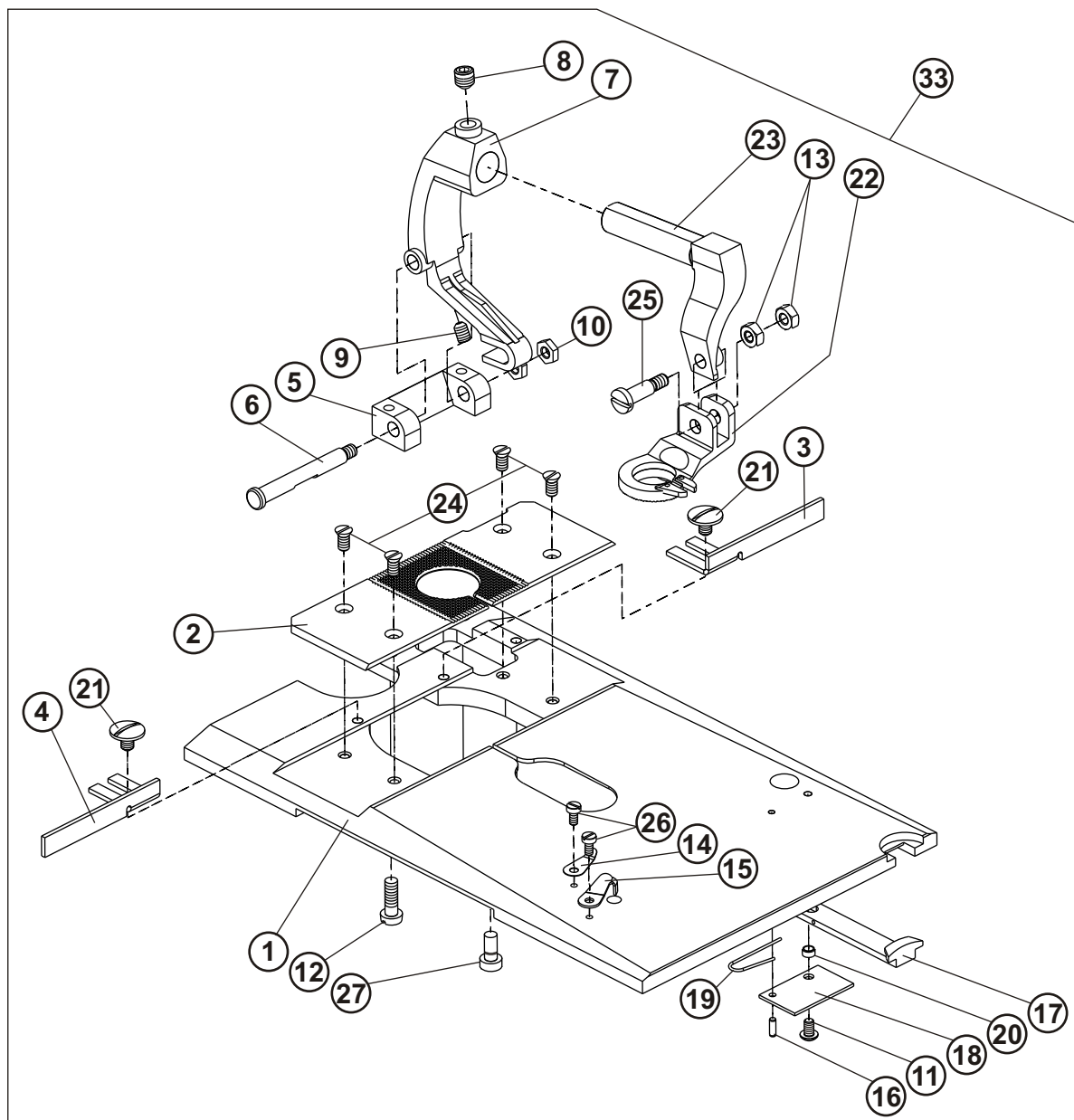


VERSION RDE

DET	PART NUMBER	DESCRIPTION	QTY.
01	03.5519.3.050	Kit S311 RDE	1
02	19.0013.0.001	Screw	(1)
03	01.2056.1.000	Screw	(1)
04	10.4012.2.019	Throat Plate RDE	(1)
05	17.0069.4.047	Looper, Left	(1)
06	17.0004.9.893	Forked Spreader	(1)
07	19.0003.1.657	Clamps RDE	(1)
08	19.0082.3.410	Knife Holder	(1)
09	17.0087.0.204	Knife	(1)
10	17.0012.0.605	Screw	(1)
11	19.0064.5.974	Cutting Steel R7	(1)
12	19.0064.5.973	Cutting Steel R5	(2)
13	19.0074.4.537	Knife Holder RE	(1)
14	17.0042.6.086	Knife D3.5	(1)
15	17.0042.6.088	Knife D2	(1)
16	17.0042.6.090	Knife D3	(1)
17*	17.0042.6.082	Knife D4	1
18	17.0042.6.083	Knife D5	(1)
19	17.0042.6.084	Knife D6	(1)
20	17.0042.6.085	Knife D7	(1)
21	19.0064.6.493	Adapter Knife RE	(1)
22	08.6400.4.010	Screw M4x10	(1)

* — Extra Part

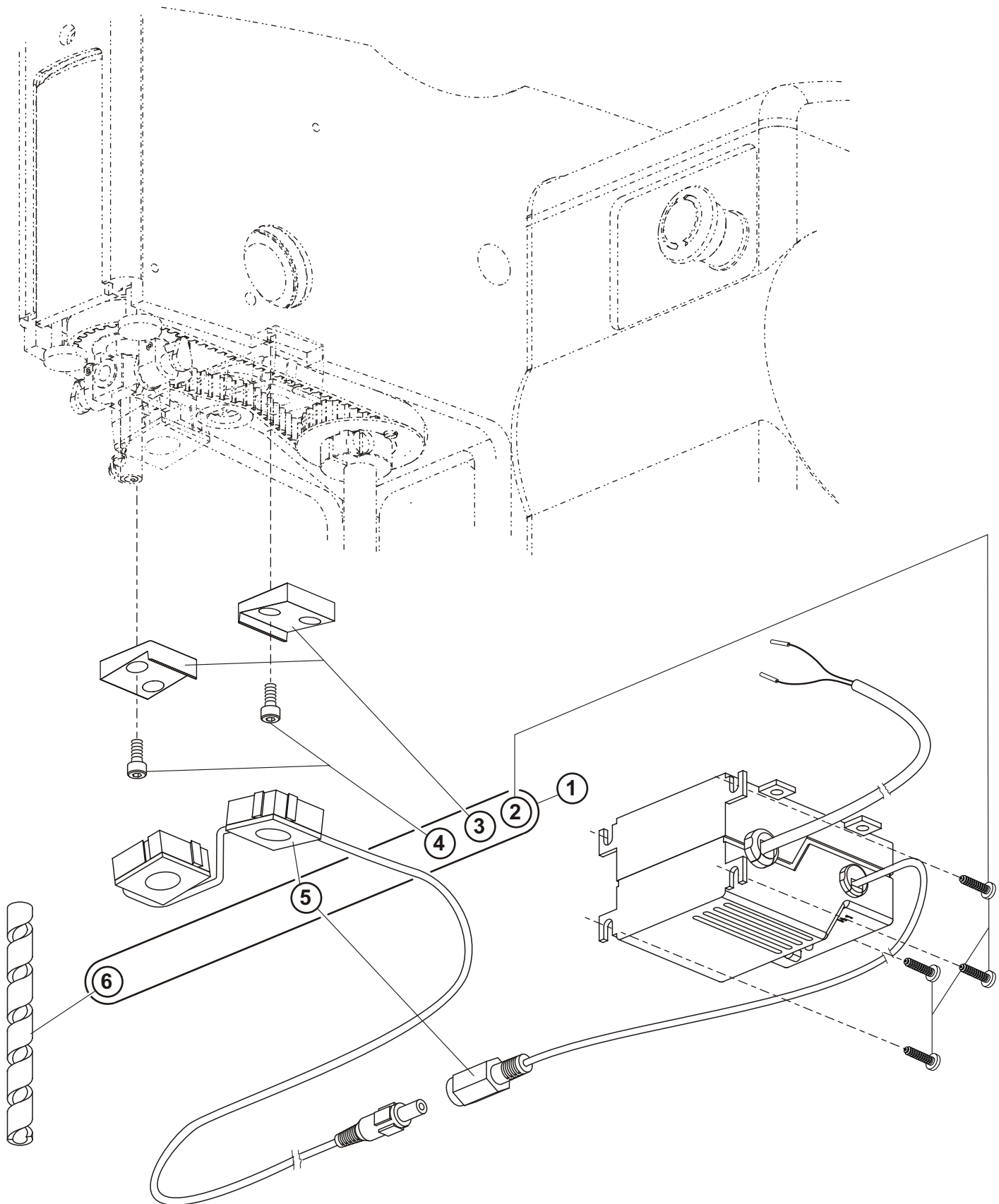
CLAMPING RDE



CLAMPING RDE

DET	PART NUMBER	DESCRIPTION	QTY.
01	19.0081.5.430	Plate RDE	(1)
02	10.2559.1.104	Clamp Mat	(1)
03	10.2566.0.000	R.H. Gauge	(1)
04	10.2567.0.000	L.H. Gauge	(1)
05	19.0064.7.402	Block	(1)
06	19.0032.8.401	Shaft	(1)
07	19.0063.5.418	Base Clamp RDE	(1)
08	08.6400.6.006	Screw M6x6	(1)
09	08.6400.4.006	Screw M4x6	(2)
10	08.6710.4.000	Nut M4	(4)
11	08.6200.3.005	Screw M3x5	(1)
12	08.6010.4.012	Screw M4x12	(1)
13	08.6700.4.000	Nut M4	(2)
14	17.0082.5.884	Clips	(1)
15	17.0087.0.169	Knife	(1)
16	12.1010.0.206	Pin 2x5	(1)
17	19.0062.5.408	Pawl	(2)
18	19.0081.5.449	Cover Plate	(1)
19	19.00271.610	Spring	(1)
20	19.0041.0.684	Ring Insert	(1)
21	17.0012.4.070	Screw M4	(1)
22	10.2552.3.006	Clamp Foot	(1)
23	19.0066.8.404	Arm Clamp	(1)
24	17.0012.6.400	Screw	(1)
25	17.0013.1.485	Screw	(1)
26	17.0012.0.303	Screw M2,5x5	(2)
27	19.0033.1.401	Stud	(1)
28	19.0081.0.519	Fork Lever	1
29	19.0013.1.487	Screw	2
30	17.0033.2.405	Screw Securing	1
31	19.0016.1.402	Nut M4	1
32	17.0019.0.228	Washer	1
33	19.0003.1.657	Clamps RDE Assembly	

LED LIGHT

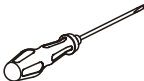
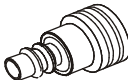
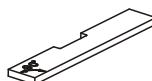


LED LIGHT

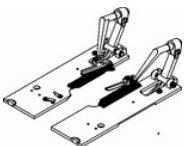
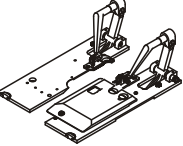
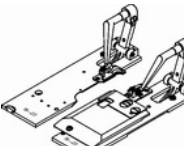
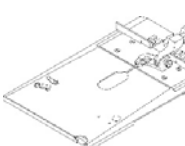
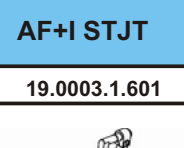
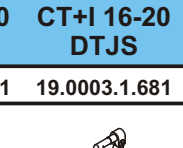
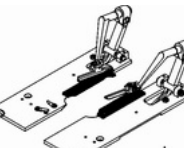
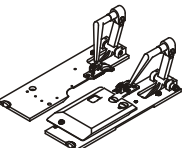
DET	PART NUMBER	DESCRIPTION	QTY.
01	03.5519.3.002	LED Light Assembly	1
02	08.6632.3.016	Screw	(4)
03	19.0064.8.443	Holder Leds Diods	(1)
04	08.6000.4.005	Screw	(2)
05	19.0007.9.038	LED Light Kit	(1)
06	12.0008.4.141	Flexible Tubing	(1)

TOOLS/ACCESSORIES

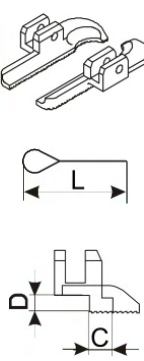
Standart accessories

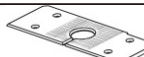
Examine	Part number	Description	Qty.	Examine	Part number	Description	Qty.
	12.0008.6.005	Screwdriver 5,5-180	1		02.0558.0.111 * AF, LTT and RDE models only	Needles 558 Nm 100	5
	12.0008.6.001	Screwdriver RECA	1		02.0558.0.112 ** all CT models only	Needles 558 Nm 110	5
	05.1322.0.000	Oil can	1		12.0008.3.608	Connector DIA 10	1
	12.0008.6.215	Tweezers	1		19.0081.6.412	Timing gauge	1
	17.0027.1.223	Thread wire	1		19.0064.7.420	Timing gauge	1

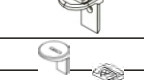
Special clamping

Clamping	AF AF/ACL	CT		LTT LTT/ACL	RDE
		14-24 mm	22-32 mm		
Part Number	19.0003.1.600	19.0003.1.691	19.0003.1.692	19.0003.1.665	19.0003.1.657
					
					
Part Number	19.0003.1.601	19.0003.1.671	19.0003.1.681	19.0003.1.682	
					

SPECIAL TOOLS/ACCESSORIES

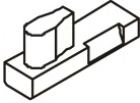
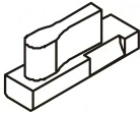
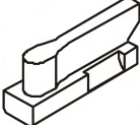
Clamp Foot	Part Number (left/right)	Length L(mm)	Width C(mm)	Height D(mm)	AF	CT			AF/ACL	LTT LTT/ACL	RDE
						14-24 mm	22-32 mm	14-32 mm			
	19.0066.7.424/425	24	1,4	5,6	○	✓		✓	○		
	19.0066.7.416/417	24	2,9	5,6	○	○		○	○		
	19.0066.7.412/413	28	1,4	5,6	○	✓		●	○		
	18.0066.7.410/411	28	2,9	5,6	○	○		○	○		
	19.0066.7.428/429	32	1,4	5,5	○		✓	●	○		
	19.0066.7.418/419	32	2,9	5,6	○		○	○	○		
	18.0066.7.404/405	32	5,8	5,5	○				○		
	19.0066.7.422/423	40	6,5	2,5						✓	
	19.0066.7.426/427	36	1,4	5,6	○		✓	●	○		
	19.0066.7.420/421	36	2,9	5,6	○		○	○	○		
	17.0066.7.157/158	40	6,5	2,5	✓				✓		
	19.0066.7.402/403	52	6,5	2,5	○						
	10.2552.3.010	16,5-18									✓
	10.2552.3.006	14-15,5									●

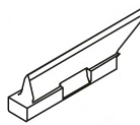
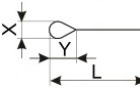
Work Mat	Part Number (left/right)	AF AF/ACL	CT		CT	LTT LTT/ACL	RDE
			14-24 mm	22-32 mm	14-32 mm		
	19.0081.1.760/761	✓					
	19.0081.1.766/767		✓		✓		
	19.0081.1.768/769			✓	●		
	19.0081.1.770/771					✓	
	10.2559.1.010						✓
	10.2559.1.104						●

Throat Plate	Part Number	Needle Size (Nm)	Max. Stitch Bite (mm)	Max. Gimp Size	AF AF/ACL	CT		CT	LTT LTT/ACL	RDE
						14-24 mm	22-32 mm	14-32 mm		
	10.4012.1.001	90-110	3,2	30	✓					
	10.4012.0.002	90-110	3,8	30	○					
	10.4012.2.004	90-110	4,2	30	○					
	10.4012.2.014	100-120	3,8	30		○	○	○		
	10.4012.1.016	100-120	4,4	30		○	○	○		
	10.4012.0.030	90-110	3,8	30					○	
	10.4012.0.032	90-110	3,2	30					✓	
	10.4012.2.019	90-110	5	N/A						✓
	10.4012.5.016	90-120	3,6	10	○	✓	✓	✓		

✓	FACTORY SET UP
●	STANDARD ACCESSORY
○	OPTIONAL ACCESSORY

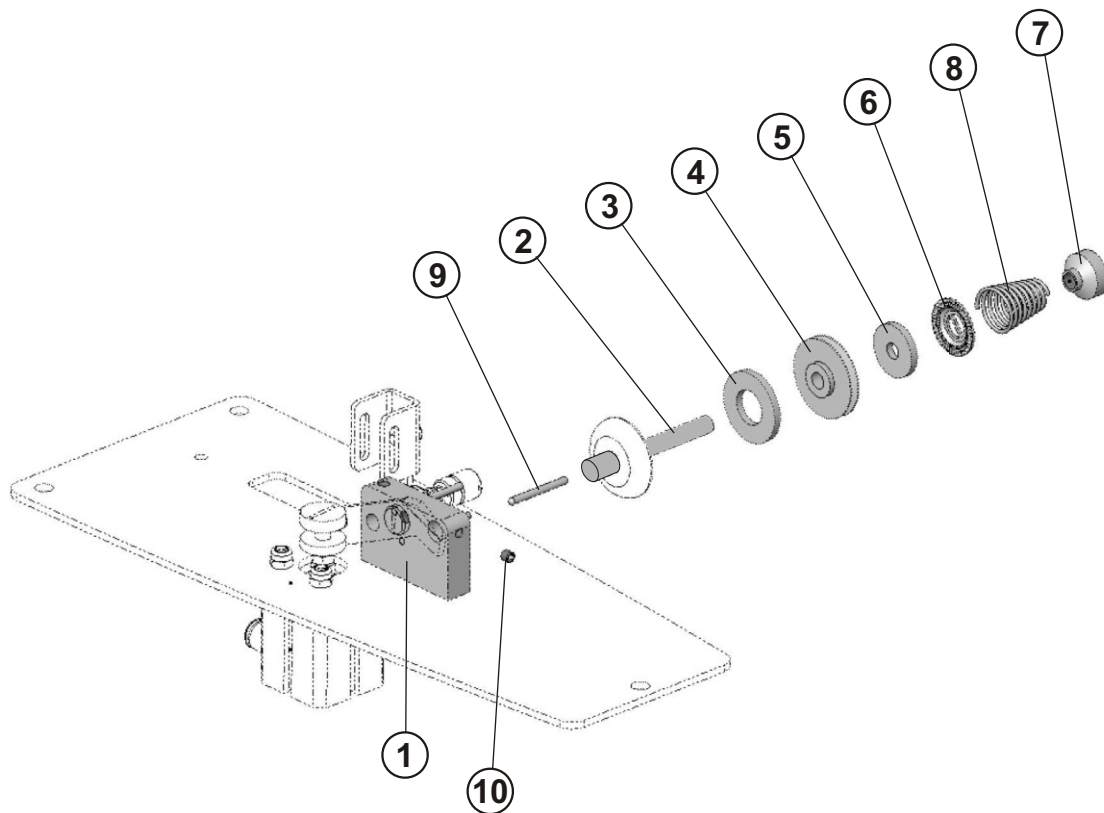
SPECIAL TOOLS/ACCESSORIES

Cutting Steel	Part Number	Length (mm)	AF	CT			LTT	AF/ACL	LTT/ACL	RDE
				14-24 mm	22-32 mm	14-32 mm				
	19.0064.5.846	10	○							
	19.0064.5.847	12	○							
	19.0064.5.951	13	○							
	19.0064.5.848	14	○							
	19.0064.5.849	16	●	✓		✓	●			
	19.0064.5.850	18	○	○		○	○			
	19.0064.5.952	19	✓	●		○	✓			
	19.0064.5.851	20	○	●		●	○			
	19.0064.5.852	22	●	○		○	●			
	19.0064.5.853	24	○	●	●	●	○			
	19.0064.5.854	26	●	○	✓	○	●			
	19.0064.5.855	29	○		●	○	●			
	19.0064.5.856	32	●		●	●	○			
	19.0064.5.857	35	○		○	○				
	19.0064.5.858	38	○							
	19.0064.5.860	44	○							
	19.0064.5.862	50	○							
	19.0064.5.954	38						✓	✓	
	19.0064.5.958	28						○	○	
	19.0064.5.959	26						○	○	
	19.0064.5.964	30						○	○	
	19.0064.5.973	5								✓
	19.0064.5.974	7								●

Cutting Knife	Part Number	Eye Shape (X;Y) mm	Max. Cutting Length (mm)	AF AF/ACL	CT			LTT LTT/ACL	RDE
					14-24 mm	22-32 mm	14-32 mm		
	19.0087.0.436	0,0x0,0	32	○	○	○	○	○	
	19.0087.0.438	2,8x4,2	32	○	○	○	○	○	
	19.0087.0.437	3,0x4,6	32	○	○	○	○	○	
	17.0064.5.863	0,0x0,0	38	●	○	○	○	○	
	19.0087.0.431	2,2x3,0	38	○	○	○	○	○	
	19.0087.0.432	2,8x4,2	38	●	●	●	●	●	
	19.0087.0.433	3,0x4,6	38	○	○	○	○	○	
	19.0087.0.434	3,2x5,0	38	✓	✓	✓	✓	✓	
	19.0087.0.439	3,4x4,2	38	●	○	○	○	●	
	19.0087.0.400	0,0x0,0	50	○					
	19.0087.0.401	2,2x3,0	50	○					
	19.0087.0.402	2,8x4,2	50	○					
	19.0087.0.403	3,0x4,6	50	○					
	19.0087.0.404	3,2x5,0	50	○					
	19.0087.0.442	3,2x5,0	26	○				○	
	19.0087.0.443	3,2x5,0	30	○				○	
	17.0042.6.087	D1,5							○
	17.0042.6.088	D2							●
	17.0042.6.089	D2,5							○
	17.0042.6.090	D3							●
	17.0042.6.086	D3,5							✓
	17.0042.6.082	D4							○
	17.0042.6.083	D5							●
	17.0042.6.084	D6							●
	17.0042.6.085	D7							●

✓	FACTORY SET UP
●	STANDARD ACCESSORY
○	OPTIONAL ACCESSORY

THREAD TENSION



THREAD TENSION

DET	PART NUMBER	DESCRIPTION	QTY.
01	19.1301.0.600	BLOCK	1
02	19.1303.0.400	STUD	1
03	10.1077.0.000	WASHER-FELT	1
04	10.1078.1.000	TENSION ROLLER ASM	1
05	10.1004.0.000	WASHER- THIN FELD	1
06	10.1003.0.000	WASHER	1
07	10.4030.0.000	NUT-KNURLED	1
08	01.5603.0.000	SPRING - CONCAL	1
09	10.1010.3.000	ROD	1
10	08.6400.3.003	SCREW M3-5 DIN 916	1



MODEL S-311+ACL

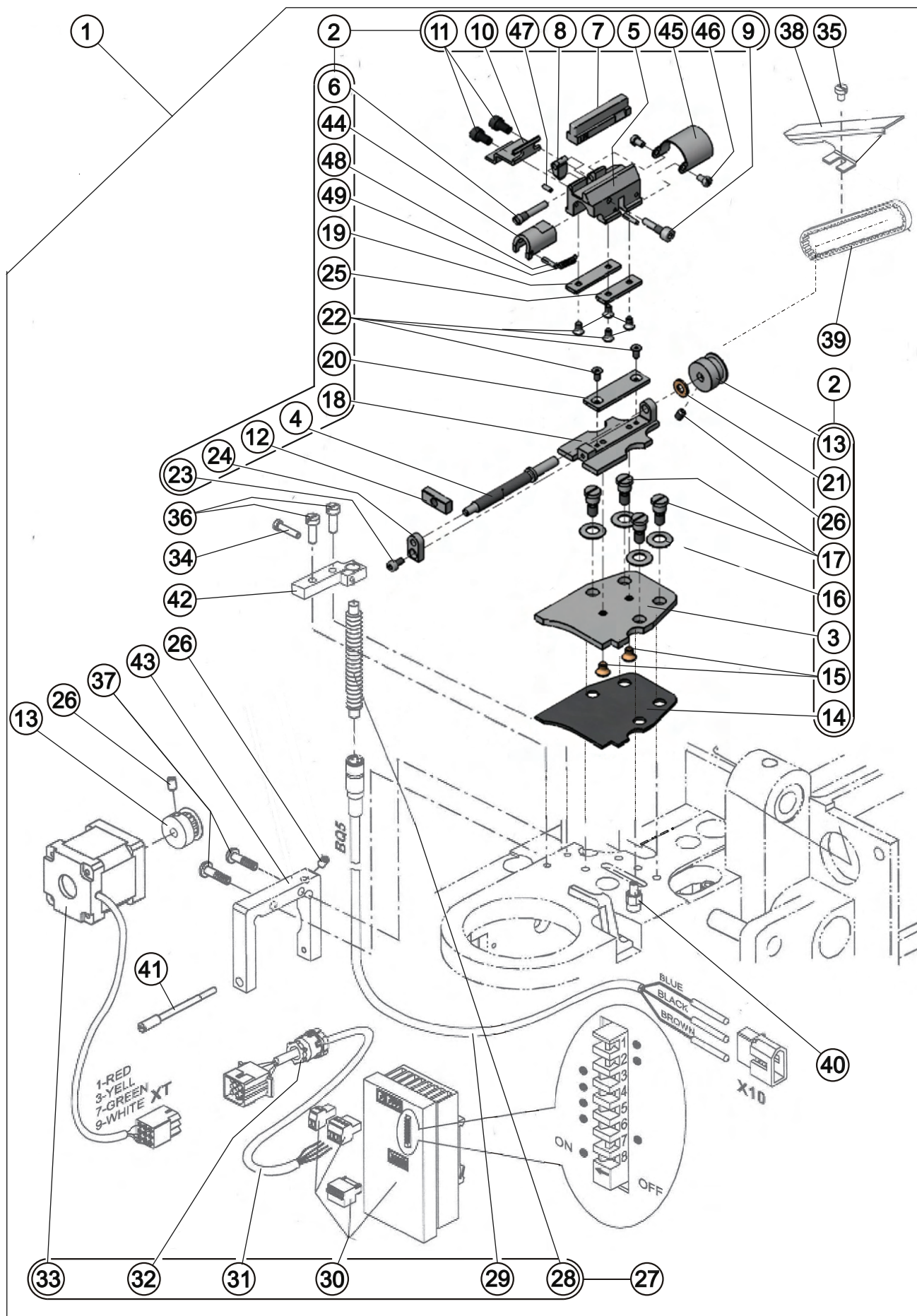
**ELECTRONIC EYELET BUTTONHOLE
MACHINE**

ACL PARTS

MACHINE SERIAL No:

PART NUMBER 97.1930.0.002

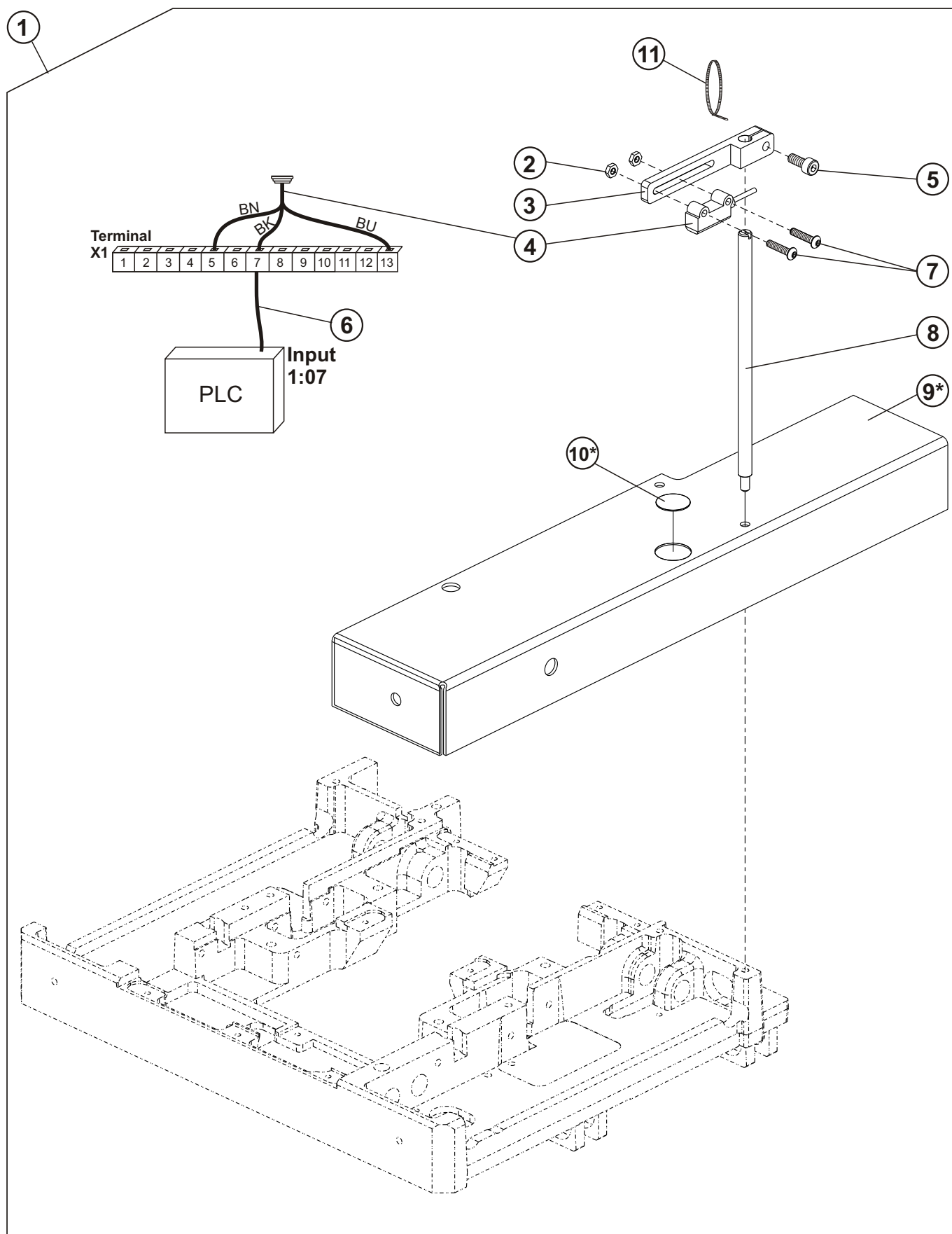
VERSION ACL



VERSION ACL

DET	PART NUMBER	DESCRIPTION	QTY.
01	03.5519.4.011	Kit — ACL	1
02	19.0009.2.001	ACL Subassembly	1
03	19.0081.4.449	Plate, Cutting Steel	(1)
04	19.0033.3.408	Shaft	(1)
05	19.0062.2.410	Holder	(1)
06	17.0013.1.415	Screw	(1)
07	19.0064.5.958	Cutting Steel	(1)
08	19.0063.6.447	Clamp	(1)
09	19.0011.2.404	Screw M4-16	(1)
10	19.0082.3.455	Diaphragm ACL S311	(1)
11	08.6000.4.008	Screw	(2)
12	19.0016.3.410	Nut	(1)
13	19.0055.4.418	Timing Belt Pulley	1+(1)
14	19.0095.2.408	Rubber Washer	(1)
15	08.6100.4.006	Screw	(2)
16	12.3015.7.016	Washer	(4)
17	19.0033.2.403	Stud	(4)
18	19.0074.4.544	Guide	(1)
19	19.0081.4.453	Guide Plate Left	(1)
20	19.0081.4.450	Shim	(1)
21	08.6887.5.000	Washer	(1)
22	08.6100.3.006	Screw	(6)
23	08.6000.3.006	Screw	(1)
24	19.0064.7.435	Holder Rear	(1)
25	19.0081.4.454	Guide Plate Right	(1)
26	08.6400.4.006	Screw	2+(1)
27	06.1900.0.010	Kit Electro	1
28	12.1010.4.025	Sensor	(1)
29	19.0007.9.035	Cable Sensor Assembly	(1)
30	12.0008.4.898	Driver	(1)
31	19.0007.9.011	Guide St. Motor (T)	(1)
32	12.0008.4.231	Bushing	(1)
33	08.1900.0.017	Stepping Motor	(1)
34	08.6000.3.014	Screw	1
35	08.6010.4.006	Screw	1
36	08.6010.4.012	Screw	2
37	08.6200.4.016	Screw	2
38	19.0083.1.686	Cover	3
39	12.5050.2.012	Timing Belt	1
40	17.0016.1.298	Nut	1
41	19.0013.1.496	Screw	1
42	19.0064.8.446	Holder Sensor	1
43	19.0064.8.449	Holder Motor	1
44	19.0074.6.218	Cover	(1)
45	19.0083.4.001	Cover	(1)
46	08.6010.3.006	Screw M3-6	(2)
47	12.1010.0.206	Pin 2-6	(1)
48	12.1015.0.002	Pin 2-10	2
49	01.5041.0.000	Spring - Extension	1

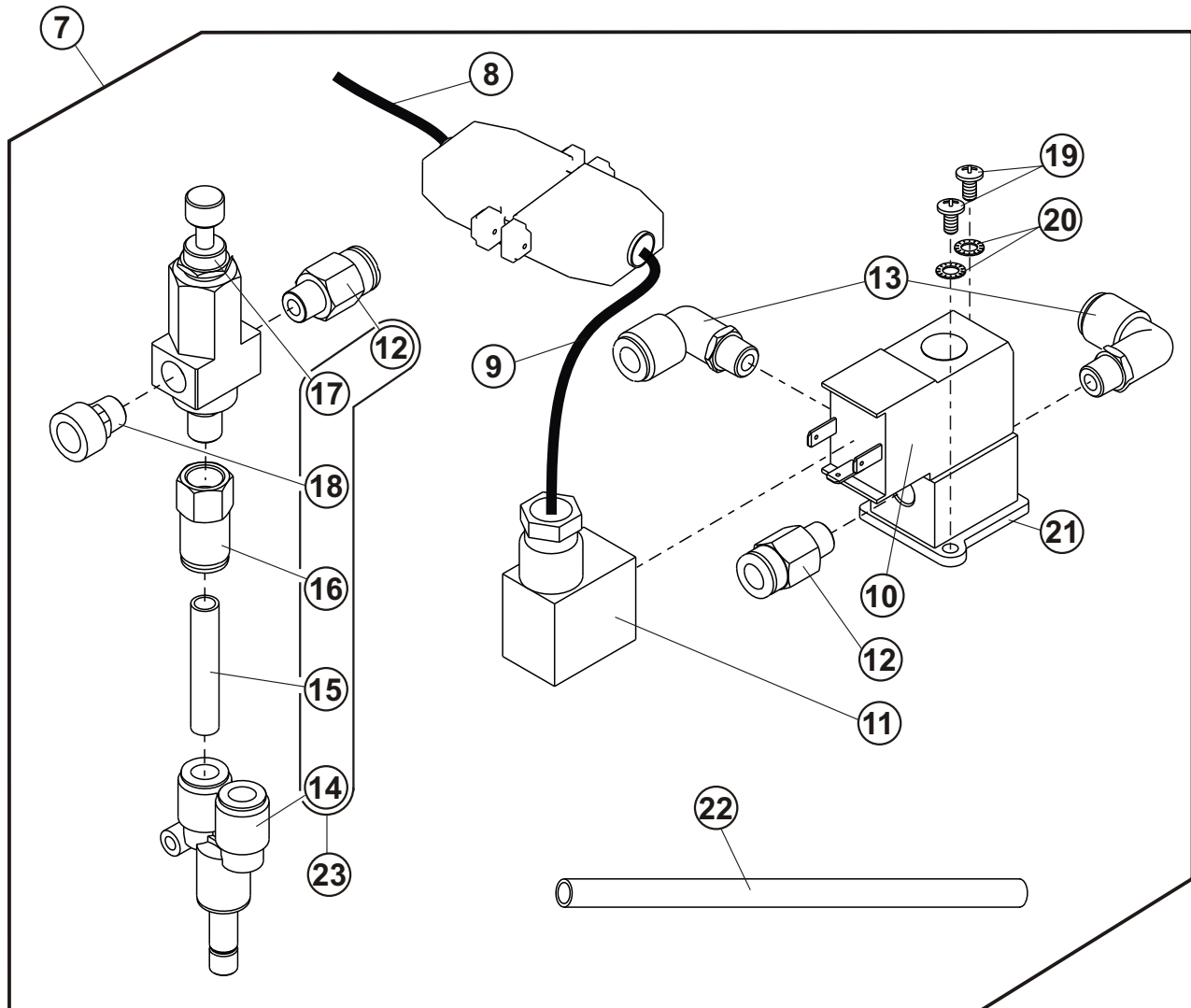
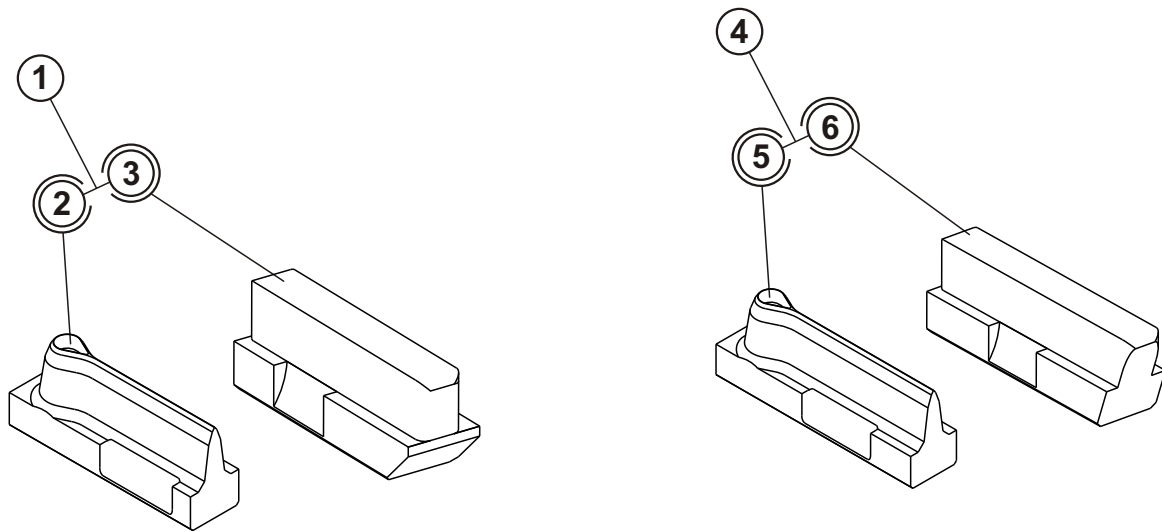
OPTICAL SENSOR



OPTICAL SENSOR

DET	PART NUMBER	DESCRIPTION	QTY.
01	03.5519.3.004	Kit-311 ACL/LAP. Sensor	1
02	08.6710.3.000	Nut	1
03	19.0061.3.613	Bracket	1
04	06.1900.0.009	Optical Sensor	1
05	08.6000.4.010	Screw	1
06	06.1900.0.012	Cable	1
07	08.6200.3.006	Screw	1
08	19.0011.1.403	Holder	1
09	19.0083.1.668	Cover Plate	1
10	19.0095.2.407	Reflex Tape	1
11	12.0008.4.290	Ty Wrap	2

EXTRA PARTS



EXTRA PARTS

DET	PART NUMBER	DESCRIPTION	QTY.
01	03.5519.4.040	Kit LP1	1
02	19.0087.0.442	Knife	(1)
03	19.0064.5.959	Cutting Steel	(1)
04	03.5519.4.041	Kit LP2	1
05	19.0087.0.443	Knife	(1)
06	19.0064.5.964	Cutting Steel	(1)
07	03.5519.4.042	Kit LPE	1
08	06.1900.0.015	Cable (elektobox)	(1)
09	06.1900.0.016	Cable	(1)
10	12.0008.3.786	3/2 Valve	(1)
11	12.0008.3.787	Connector	(1)
12	12.0008.3.421	Connector	(2)
13	12.0008.3.754	Connector	(2)
14	12.0008.3.713	Connector	(1)
15	12.0008.3.487	Connector	(1)
16	12.0008.3.812	Connector	(1)
17	12.0008.3.615	Regulator	(1)
18	12.0008.3.785	Manometr	(1)
19	08.6032.4.008	Screw	(2)
20	08.6832.4.000	Washer	(2)
21	12.0008.3.801	Plate	(1)
22	12.0008.3.431	Air Tubing	1
23	12.0008.3.546	Kit Pneu S-311 LPE LTT-EYE	(1)



MODEL S-311+I

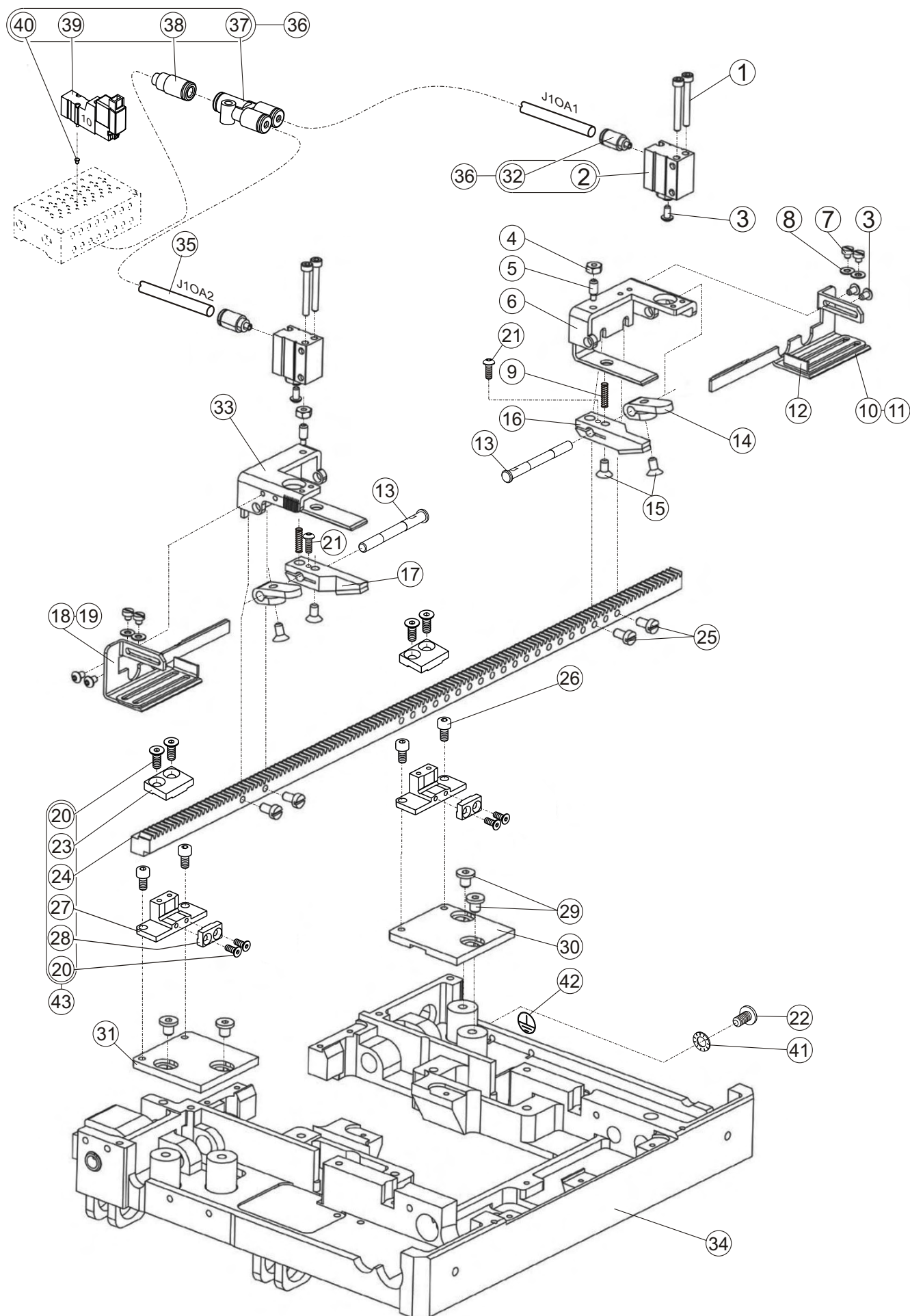
**ELECTRONIC EYELET BUTTONHOLE
MACHINE**

INDEXER PARTS

MACHINE SERIAL No:

PART NUMBER 97.1930.0.002

BASE AND CLAMP

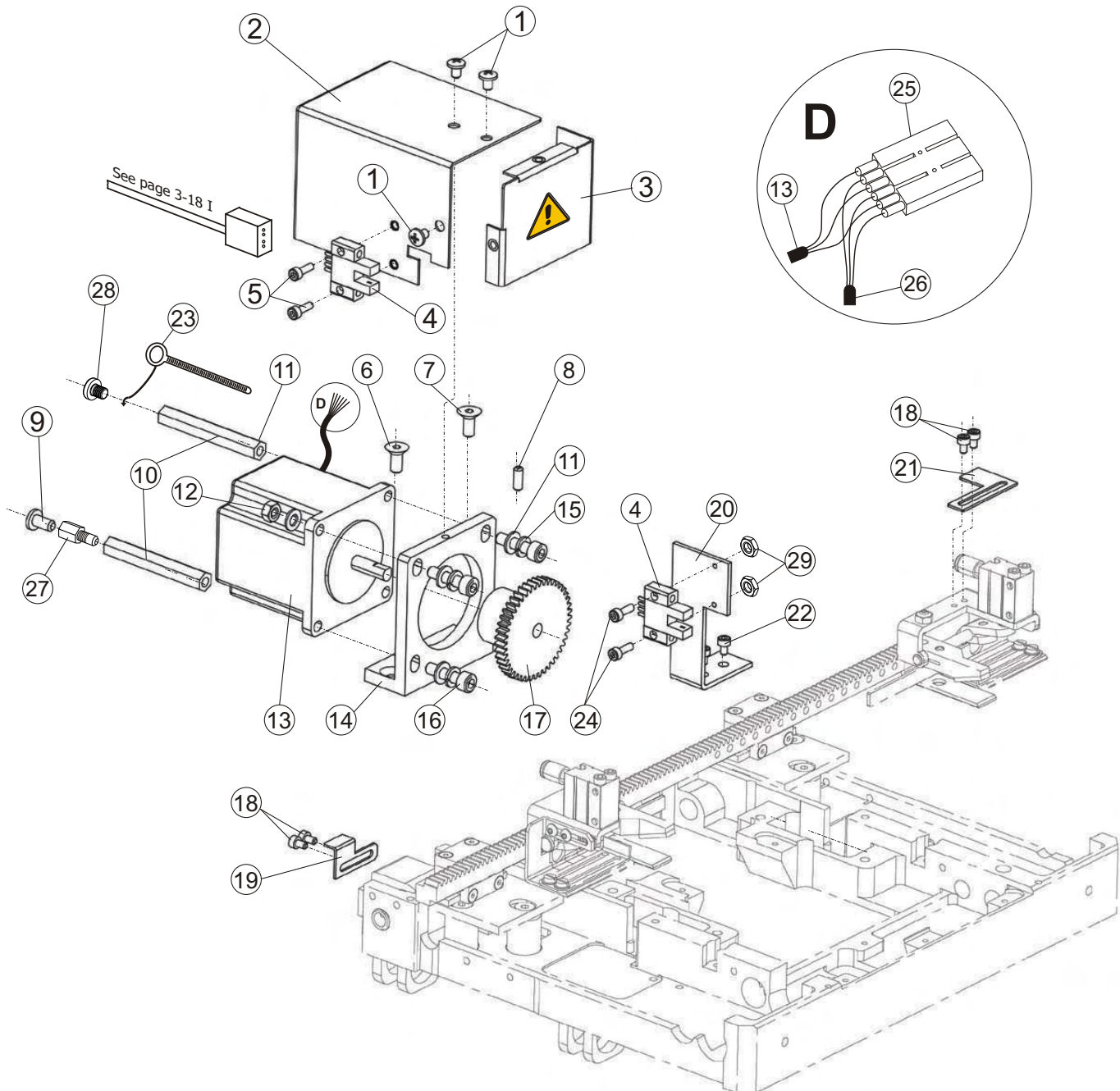


BASE AND CLAMP

DET	PART NUMBER	DESCRIPTION	QTY.
01	08.6000.3.025	Screw	4
02	12.0008.3.729	Cylinder	2
03	08.6200.3.005	Screw	6
04	08.6700.4.000	Nut	2
05	19.0011.2.403	Spring Screw	2
06	19.0005.0.022	Cylinder Bracket Right	1
07	08.6012.3.003	Screw	4
08	08.6852.3.000	Washer	4
09	17.0026.1.084	Spring	2
10	19.0082.6.450	Front Gauge-Right(Jacket)	1
11	19.0082.6.442	Front Gauge-Right(Jeans)	1
12	19.0082.6.448	Gauge	2
13	19.0032.0.403	Stud	2
14	19.0064.6.508	Lever	2
15	08.6100.4.008	Screw	4
16	19.0064.6.506	Clamp Foot Right	1
17	19.0064.6.507	Clamp Foot Left	1
18	19.0082.6.451	Front Gauge-Left(Jacket)	1
19	19.0008.6.443	Front Gauge-Left(Jeans)	1
20	08.6100.3.008	Screw	(8)
21	08.6200.3.008	Screw	2
22	08.6032.4.008	Screw	1
23	19.0064.6.514	Carriage Cover-Upper	(2)
24	19.0064.7.429	Clamp Rack	(1)
25	08.6010.4.008	Screw	4
26	08.6000.4.008	Screw	4
27	19.0064.6.511	Carriage Base	(2)
28	19.0064.6.516	Carriage Cover-Lower	(2)
29	08.6050.5.006	Screw	4
30	19.0082.6.445	Left Bracket	1
31	19.0082.6.446	Right Bracket	1
32	12.0008.3.761	Connector	(2)
33	19.0005.0.021	Cylinder Bracket Left	1
34	19.0071.4.208	Bedplate	1
35	19.0094.2.422	Air Tubing	1
36	12.0008.3.548	Pneumatics Kit	1
37	12.0008.3.750	Connector	(1)
38	84.0004.6.847	Connector	(1)
39	12.0008.3.780	Valve	(1)
40	12.0008.3.781	Plug	(1)
41	08.6832.4.000	M4 Washer	1
42	12.0008.4.052	Label "Ground"	1
43	19.0002.9.009	Carriage Assy	1

* — Extra Part

POWER



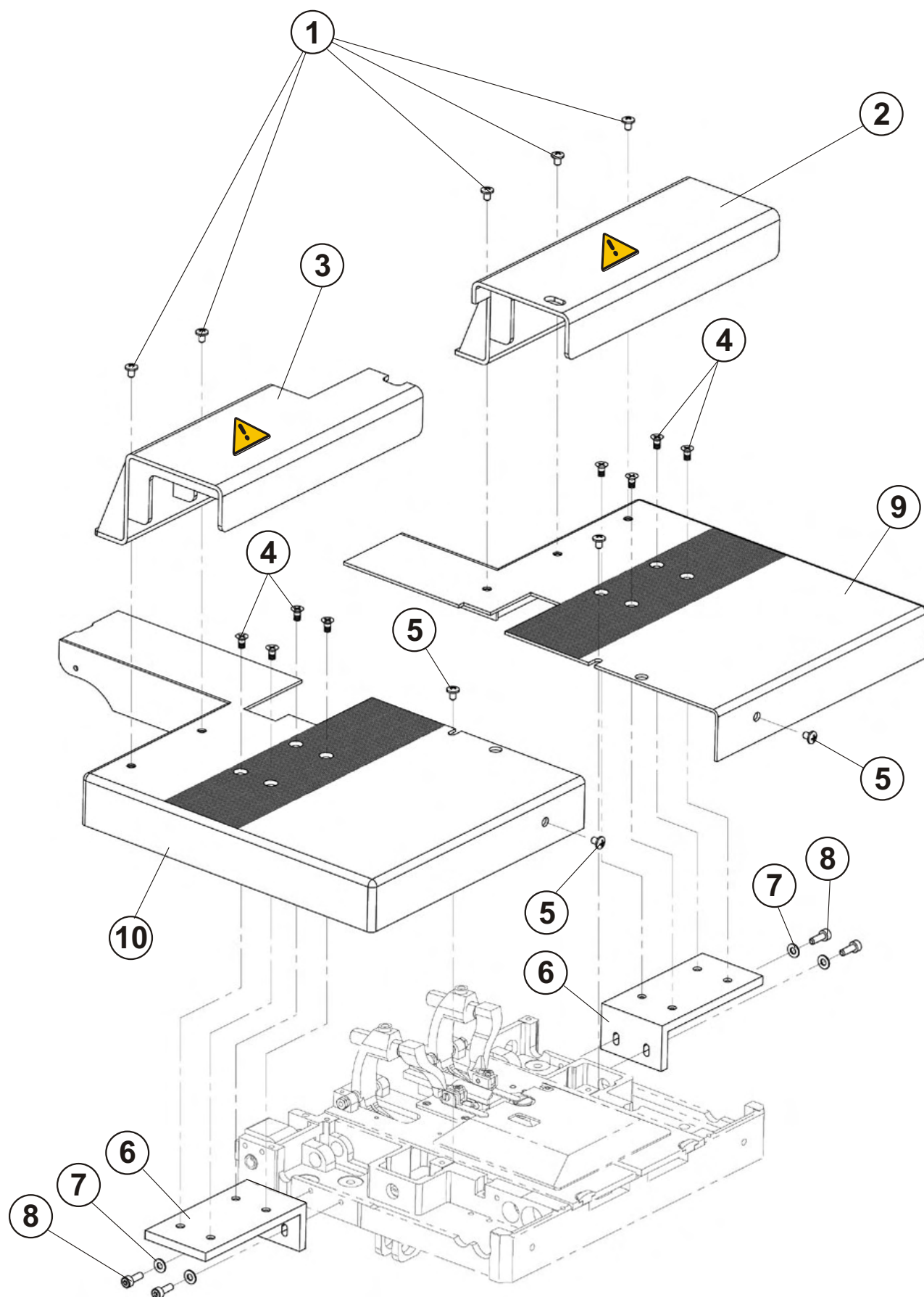
POWER

DET	PART NUMBER	DESCRIPTION	QTY.
01	08.6522.4.006	Screw	3
02	19.0005.0.027	Motor Cover	1
03	19.0005.0.019	Front Motor Cover	1
04	12.0010.4.038	Senzor	2
05	08.6000.3.010	Screw	2
06	08.6100.5.012	Screw	1
07	08.6100.5.010	Screw	1
08	08.6400.6.010	Screw	1
09	08.6032.5.006	Screw	1
10	12.0010.4.011	Spacer	2
11	08.6850.5.000	Washer	4
12	08.6700.5.000	Nut	1
13	06.1900.0.003	Motor	1
14	19.0074.0.000	Motor Holder	1
15	08.6800.5.000	LockWasher	3
16	08.6000.5.020	Screw	3
17	19.0055.4.432	Gear	1
18	08.6200.3.005	Screw	4
19	19.0081.5.413	Senzor Plate-Left	1
20	19.0082.3.462	Senzor Bracket-Right	1
21	19.0081.5.474	Senzor Plate-Right	1
22	08.6000.4.008	Screw	2
23	12.0010.4.013	Cable Binder	1
24	08.6000.3.012	Screw	2
25	12.0010.4.085	Terminal	1
26		See page 3-19 I	1
27	12.0010.4.075	Screw	1
28	08.6032.5.010	Screw	1
29	08.6710.3.000	Nut	2

*

— Extra Part

COVERS

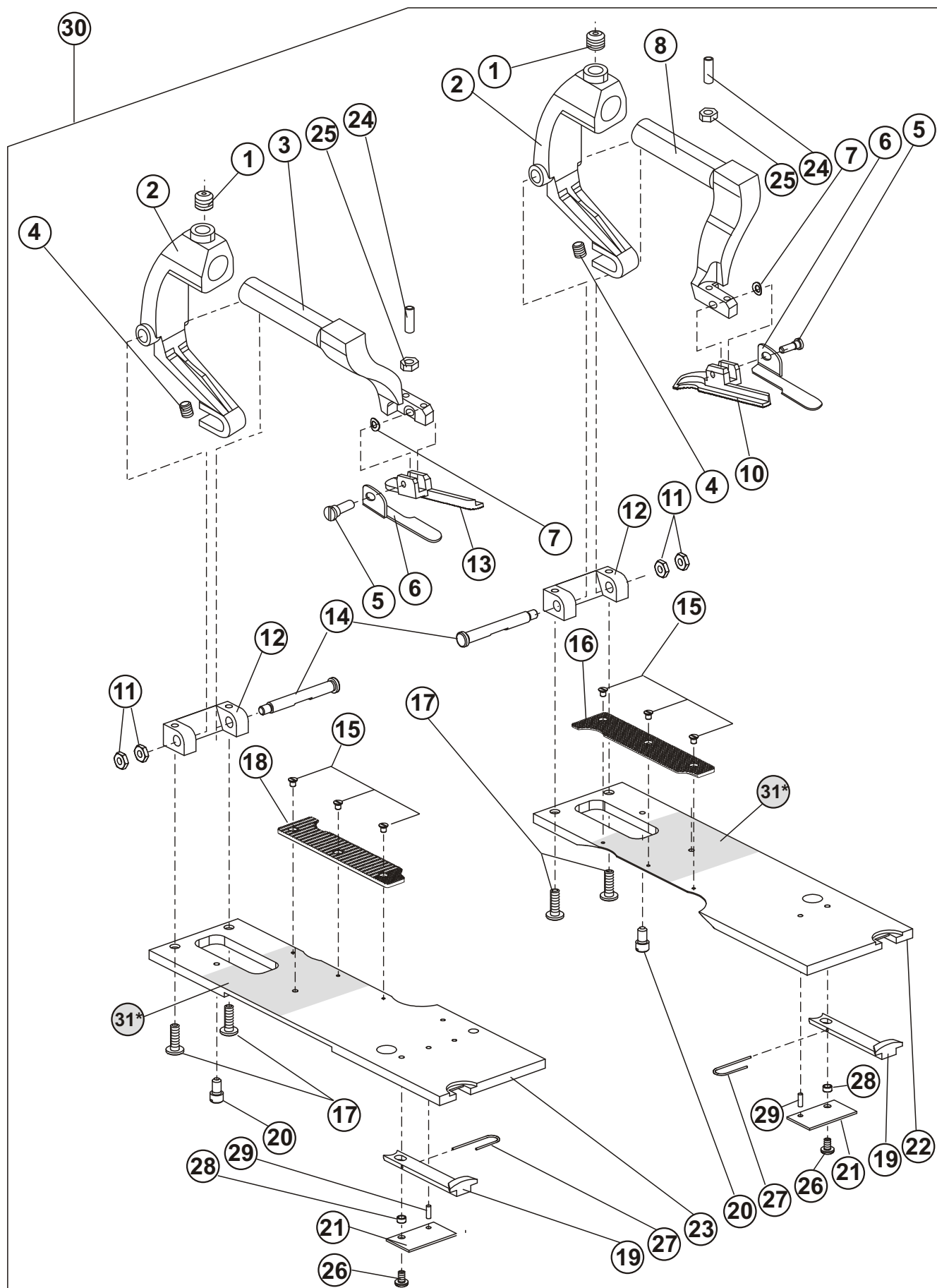


COVERS

DET	PART NUMBER	DESCRIPTION	QTY.
01	08.6032.4.008	Screw	5
02	19.0095.4.402	Plastic Guard Cover-Right	1
03	19.0095.4.401	Plastic Guard Cover-Left	1
04	08.6132.4.010	Screw	8
05	08.6522.4.006	Screw	4
06	19.0074.4.541	Cover Support	2
07	08.6850.4.000	Washer	4
08	08.6000.4.012	Screw	4
09	19.0005.0.024	Plate Right	1
10	19.0005.0.023	Plate Left	1

* — Extra Part

CLAMPING - AF+I

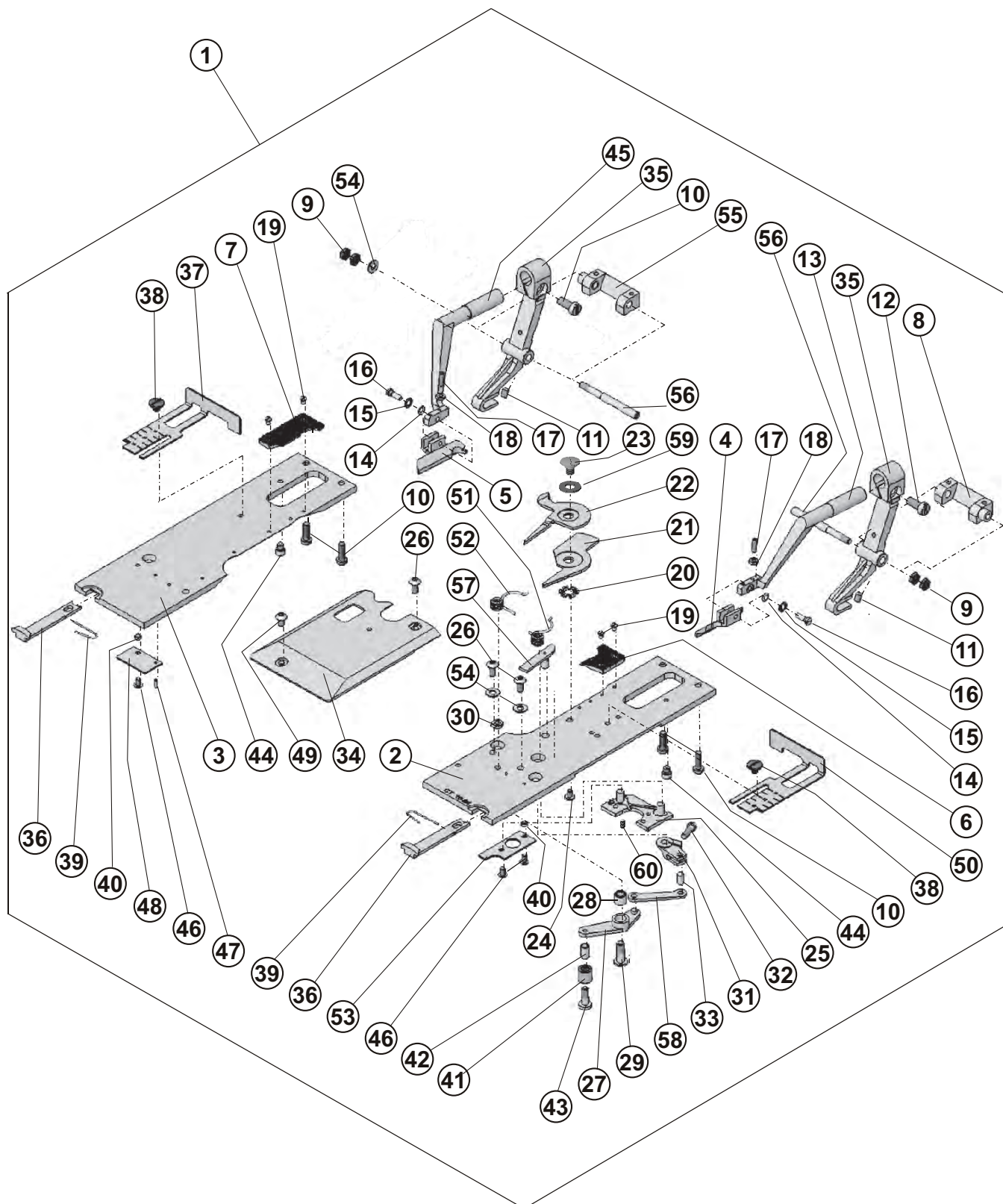


CLAMPING - AF+I

DET	PART NUMBER	DESCRIPTION	QTY.
01	08.6400.6.006	Screw	2
02	19.0063.5.418	Clamp Arm Base	2
03	19.0066.8.405	L.H. Clamp Arm	1
04	08.6400.4.006	Screw	2
05	17.0013.5.067	Screw	2
06	19.0081.5.473	Cloth Holder - Left	1
07	17.0019.2.066	Curved Spring Washer	2
08	19.0066.8.406	R.H. Clamp Arm	1
09	19.0081.5.472	Cloth Holder - Right	1
10	18.0066.7.410	R.H. Clamp Foot 40	1
11	08.6710.4.000	Nut	4
12	19.0064.7.402	Block	2
13	18.0066.7.411	L.H. Clamp Foot 40	1
14	19.0032.8.401	Shaft	2
15	17.0012.3.054	Screw	6
16	19.0081.1.760	R.H. Short Clamp Mat	1
17	08.6010.4.012	Screw	4
18	19.0081.1.761	L.H. Short Clamp Mat	1
19	19.0062.5.408	Pawl	2
20	19.0033.1.404	Screw	2
21	19.0081.5.449	Cover	2
22	19.0081.5.440	R.H. Plate ●	1
23	19.0081.5.433	L.H. Plate ●	1
24	08.6400.3.010	Screw	2
25	08.6710.3.000	Nut	2
26	08.6200.3.005	Screw	2
27	19.0027.1.610	Spring	2
28	19.0041.0.684	Ring	2
29	12.1010.0.206	Pin	2
30	19.0003.1.601	Clamps AF+I	1
31*	12.0008.6.981	Teflon Tape	

*	— Extra Part
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CLAMPING - CT+I

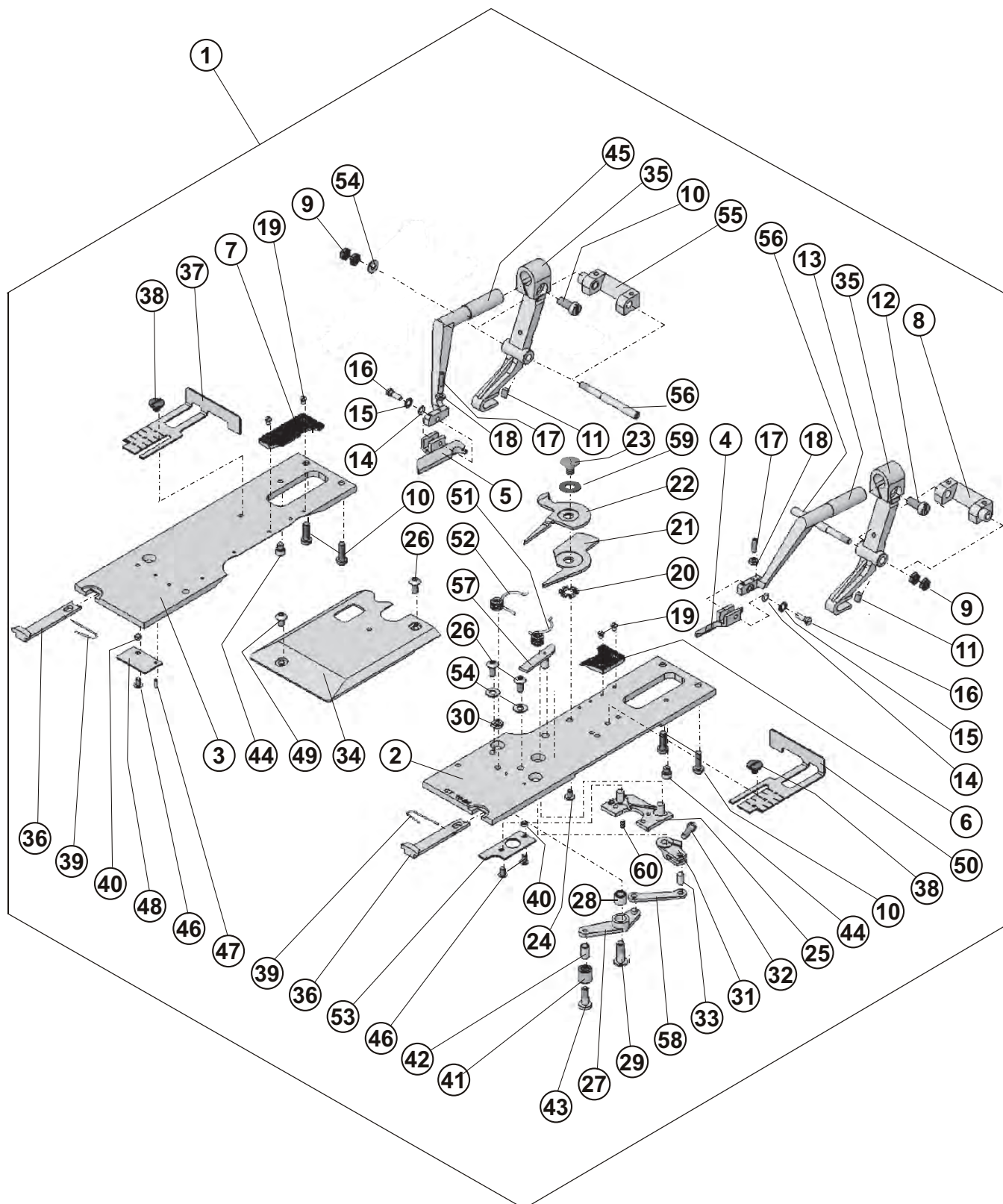


CLAMPING - CT+I

DET	PART NUMBER	DESCRIPTION	QTY.
01	19.0003.1.693	Modification (14 - 24)	1
	19.0003.1.694	Modification (22 - 32)	
02	See Table Below	R.H.Plate	1
03	19.0081.5.433	L.H.Plate	1
04	See Table Below	Clamp Foot Right	1
05	See Table Below	Clamp Foot Left	1
06	See Table Below	Clamp Mat Right	1
07	See Table Below	Clamp Mat Left	1
08	19.0064.7.424	Block Right	1
09	08.6710.4.000	Nut M4	4
10	08.6010.4.012	Screw M4-12	4
11	08.6400.4.006	Screw M4-6	2
12	08.6010.5.012	Screw M5-12	2
13	19.0066.8.400	Clamp Arm Right	1
14	17.0019.2.066	Washer	2
15	17.0019.5.040	Washer	2
16	17.0013.5.067	Screw	2
17	08.6400.3.010	Screw M3-10	2
18	08.6710.3.000	Nut M3	2
19	17.0012.3.054	Screw	4
20	12.3013.0.002	Washer-Spring	1
21	19.0087.0.446	Lower Shear-Cord Trim	1
22	19.0087.0.447	Uppre Shear - CT	1
23	19.0013.1.498	Pivot Screw	1
24	17.0012.0.605	Screw	1
25	19.0005.2.220	Actuator Assembly	1
26	08.6200.4.008	Screw M4-8	3
27	See Table Below	Lewer	1
28	19.0044.1.626	Bushing	1
29	19.0012.1.404	Screw	1
30	17.0016.1.054	Nut	1
31	19.0061.3.605	Lever	1
32	17.0012.0.543	Screw M4-12	1
33	12.1010.0.408	Pin	1
34	19.0074.6.228	Cover CT	1
35	19.0063.5.410	Clamp Arm Base Uni	2
36	19.0062.5.408	Pawl	2
37	19.0082.6.421	L.H.Cloth Gauge	1
38	17.0012.4.106	Screw M4	2
39	19.0027.1.610	Spring	2
40	19.0041.0.684	Ring Insert	2
41	12.2050.1.005	Bushing	1
42	19.0041.1.400	Bushing	1
43	17.0012.1.142	Screw	1
44	19.0033.1.404	Screw	2
45	19.0066.8.401	Clamp Arm Left	1
46	08.6200.3.005	Screw M3-5	3



CLAMPING - CT+I



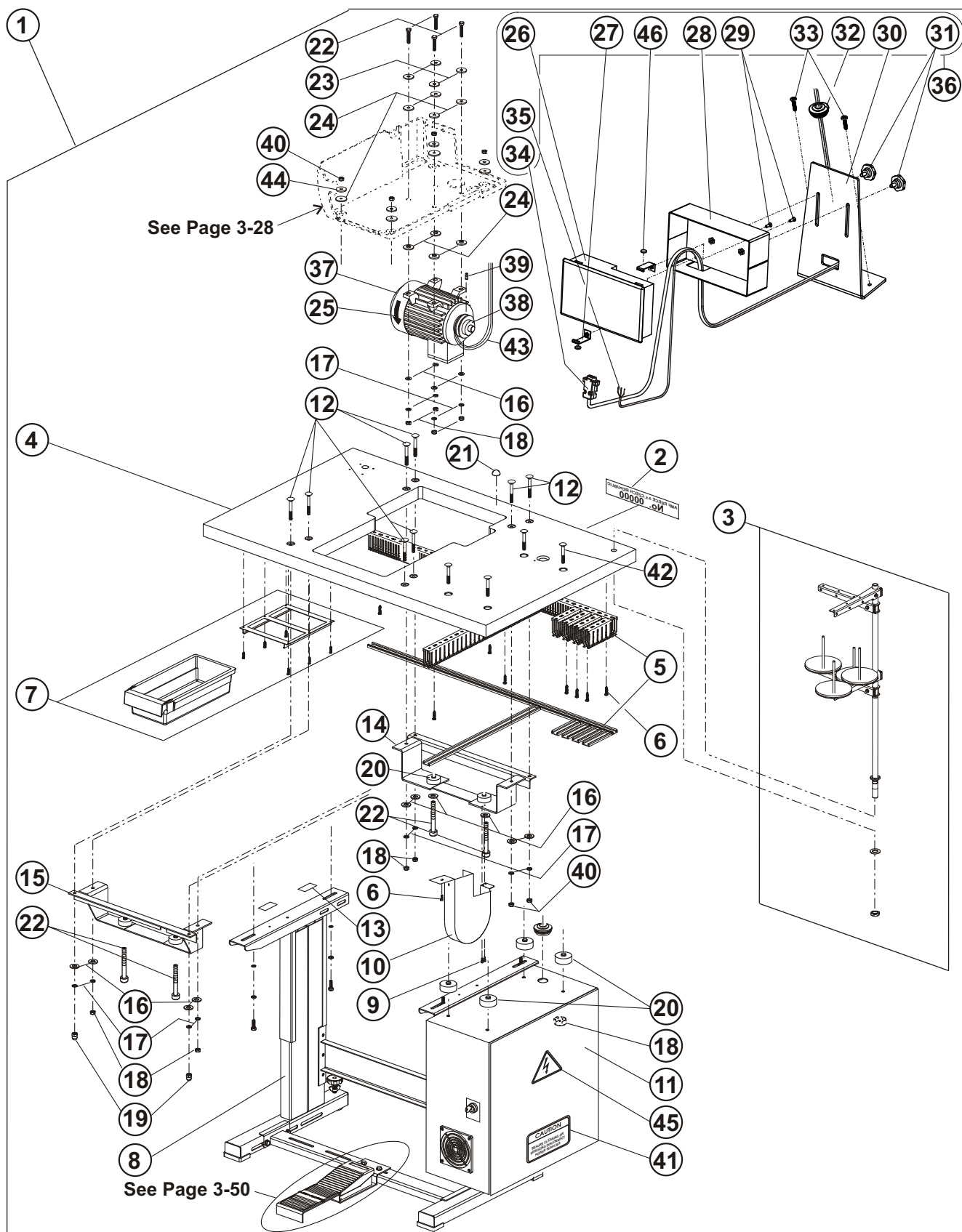
CLAMPING - CT+I



DET	PART NUMBER	DESCRIPTION	QTY.
47	12.1010.0.206	Pin	1
48	19.0081.5.449	Cover Plate	1
49	19.0082.6.442	R.H.Cloth Gauge	1
50	17.0026.4.064	Spring	1
51	17.0026.4.065	Spring - Torsion	1
52	19.0081.5.441	Cover Plate	1
53	08.6850.4.000	Washer M4	3
54	19.0064.7.423	Block Left	1
55	19.0032.8.404	Screw CT	2
56	19.0062.5.415	Actuator	1
57	See Table Below	Lever	1
58	19.0019.6.402	Washer	1
59	08.6400.3.006	Screw M3-6	1

MODIFICATION KIT — BUTTONHOLE LENGTH					
DET	19.0003.1.693		19.0003.1.694		APPLICATION
	14—24		22—32		
	PART NUMBER	QTY.	PART NUMBER	QTY.	
2	19.0081.5.483	1	19.0081.5.487	1	
4	19.0066.7.412	1	19.0066.7.426	1	JEANS
4	18.0066.7.410	1	19.0066.7.420	1	JACKET
5	19.0066.7.413	1	19.0066.7.427	1	JEANS
5	18.0066.7.411	1	19.0066.7.421	1	JACKET
6	19.0081.1.766	1	19.0081.1.768	1	
7	19.0081.1.767	1	13.0081.1.769	1	
27	19.0063.3.408	1	19.0063.3.407	1	
57	19.0081.0.514	1	19.0081.0.512	1	

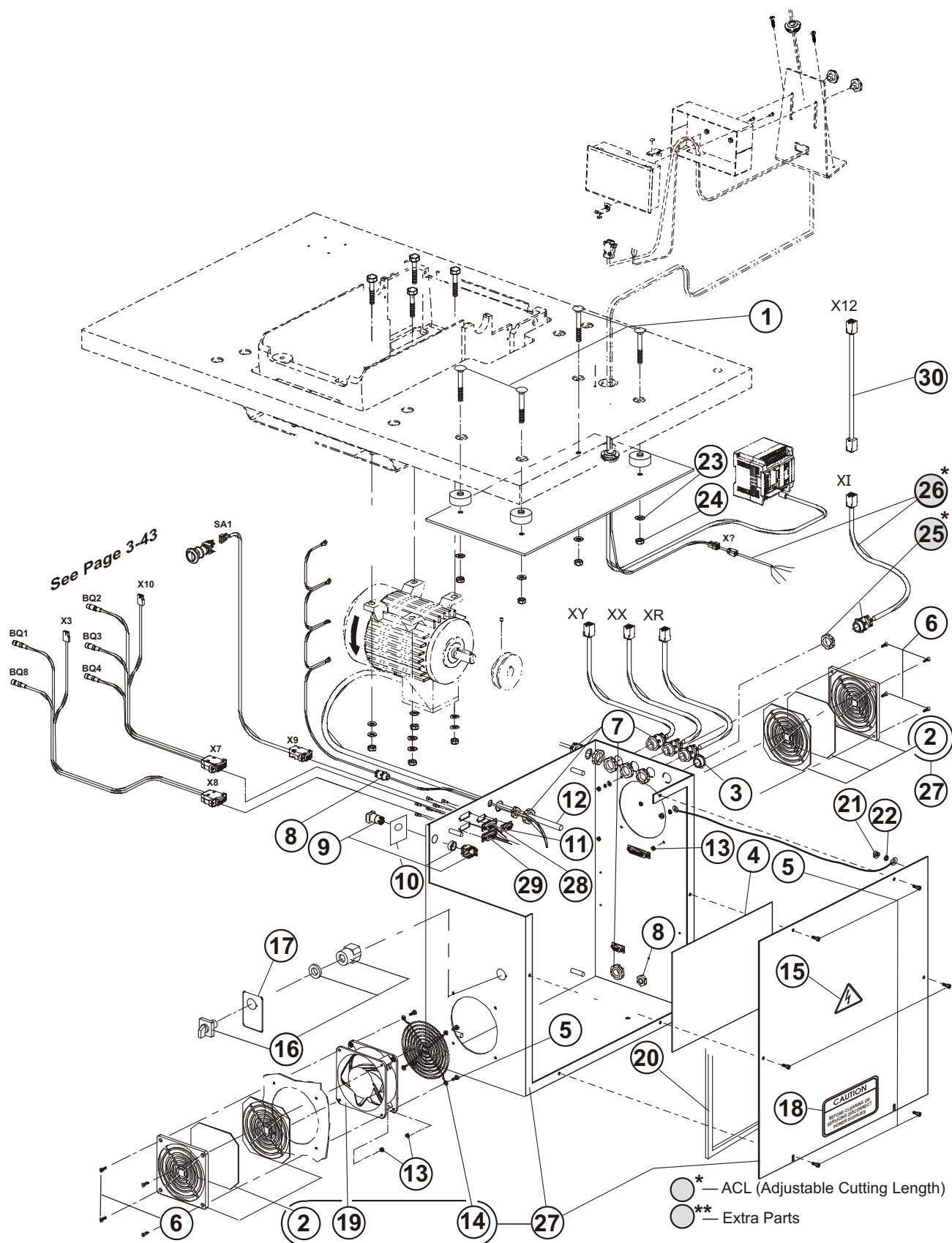
TABLE



TABLE

DET	PART NUMBER	DESCRIPTION	QTY.
01	03.5519.1.091	Table Assembly	1
02	04.1416.0.003	Label "No. xxxxx" ●●●	1
03	17.0003.6.156	Thread Stand Assembly	1
04	19.0091.0.402	Table Top ●●●	1
05	19.0095.2.403	Latch for Cable Kit ●●●	1
06	08.6632.3.016	Screw	15
07	12.0008.6.901	Drawer Kit ●●●	1
08	04.9000.2.123	Frame Kit	1
09	08.6000.4.008	Screw	2
10	19.0005.0.028	Cover Pulley ●●●	1
11	19.0006.9.448	Electrical Box Assembly α	1
12	08.6532.8.050	Screw	8
13	17.0094.0.200	Washer	4
14	19.0005.0.016	Framework	1
15	19.0005.0.015	Framework	1
16	08.6852.8.000	Washer	12
17	08.6802.8.000	Spring Washer	12
18	08.6702.8.000	Nut	14
19	08.6722.8.000	Nut	2
20	19.0095.1.405	Rubber Washer	8
21	12.0008.6.915	Holder	1
22	08.6312.8.040	Screw	8
23	01.4750.0.000	Washer	4
24	17.0095.1.272	Rubber Washer	12
25	17.0097.5.182	Label	1
26	19.8001.0.009	Display	(1)
27	19.0005.0.032	Panel Holder	(2)
28	19.0005.0.031	Display Box	(1)
29	08.6100.4.012	Screw	(1)
30	19.0083.4.036	Display Box Holder	(1)
31	19.0014.7.003	Screw	(2)
32	12.0008.4.366	Bushing	(1)
33	08.6663.5.025	Screw	(2)
34	19.0007.9.045	Cable RS 232	(1)
35	19.0007.9.046	Cable Display Power	(1)
36	03.5519.3.003	Touch Screen Assembly	1
37	12.0008.4.757	Motor	1
38	19.0052.0.501	Puley	1
39	08.6400.6.006	Screw M6x6	1
40	08.6733.8.000	M8 Nut Lock	4
41	00.2751.3.602	Label	1
42	08.6532.8.070	Screw	4
43	12.5050.1.501	Belt	1
44	17.0019.0.441	Washer	4
45	17.0097.5.174	Label	1
46	24.4049.0.000	Washer	(2)

ELECTRONIC BOX - ELECTRONIC PARTS - I



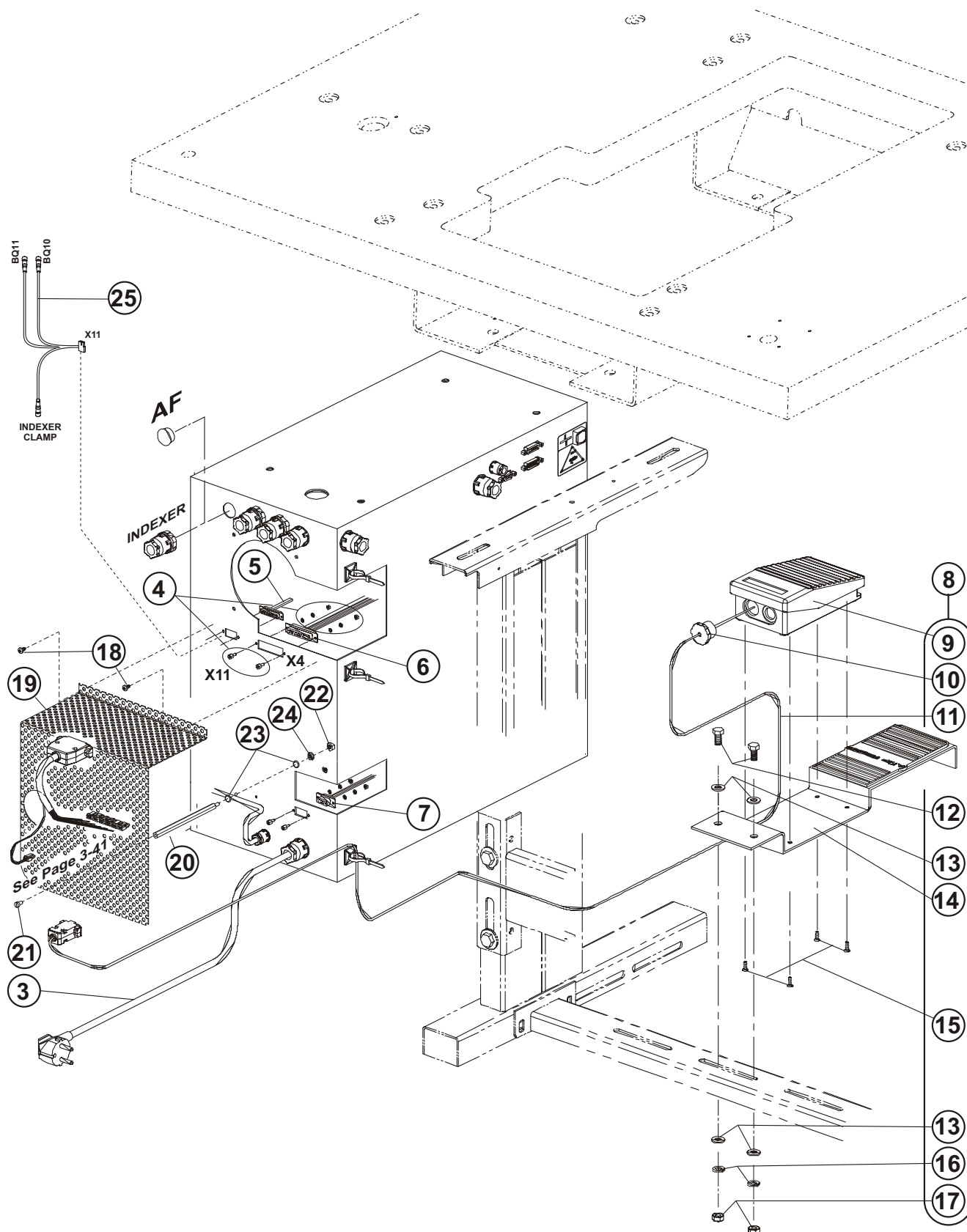
ELECTRONIC BOX - ELECTRONIC PARTS - I

DET	PART NUMBER	DESCRIPTION	QTY.
01	08.6532.8.070	Screw	4
02	12.0008.4.761	Fan Cover With Filter	●●● (2)
03	12.0008.4.777	Stopper	●●● 1
04	12.8000.0.077	Electrical Diagram Label	1
05	08.6032.4.012	Screw	14
06	08.6032.4.016	Screw	4
07	12.0008.4.231	Bushing	●●● 6
08	12.0008.4.207	Bushing	●●● 2
09	12.0008.4.613	Pushbutton (Green)	1
10	12.0008.4.615	Switch Unit (ZB6-E2B)	(1)
11	19.0007.9.023	Cable X9A	1
12	19.0007.9.008	Sew Motor	1
13	08.6702.4.000	Nut	12
14	12.0008.4.691	Fan Rack	(1)
15	12.0008.4.378	Label	1
16	12.0008.4.835	Knob	1
17	12.8000.0.423	Label	1
18	00.2751.3.602	Label "CAUTION"	1
19	12.0008.4.682	Fan	(1)
20	19.0094.2.410	Gasket	1
21	08.6702.6.000	Nut	2
22	08.6832.6.000	Washer	2
23	08.6852.8.000	Washer	4
24	08.6702.8.000	Nut	4
25*	12.0008.4.231	Bushing	●●● 1*
26*	19.0007.9.011	Cable Motor	1*
27	19.0005.0.014	Driving Box	1
28	19.0007.9.021	Cable X7A	1
29	19.0007.9.022	Cable X8A	1
30	19.0007.9.041	Junction Cable	1

* — ACL (Adjustable Cutting Length)

* — Extra Part

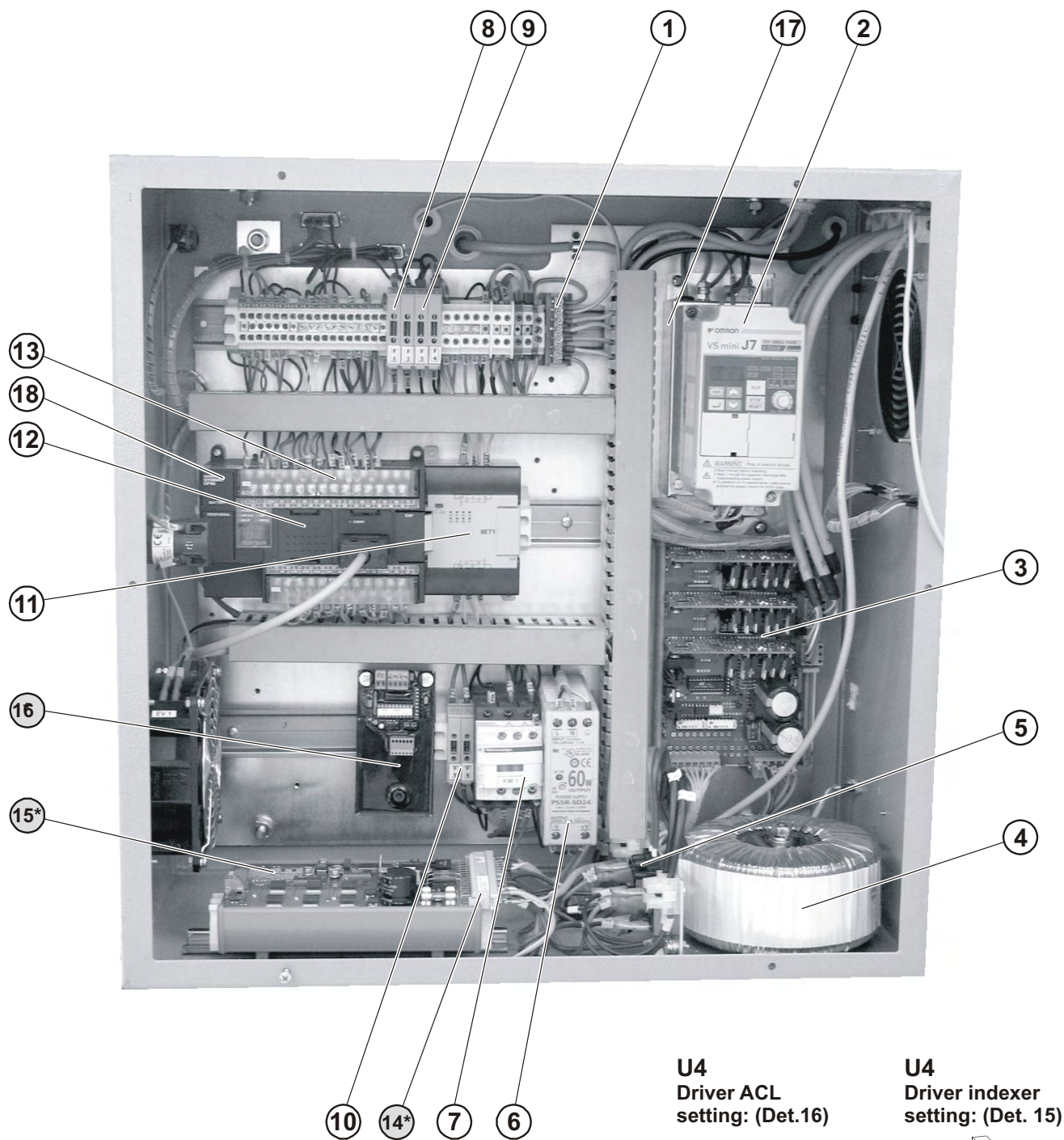
ELECTRONIC BOX - ELECTRONIC PARTS - II



ELECTRONIC BOX - ELECTRONIC PARTS - II

DET	PART NUMBER	DESCRIPTION	QTY.
03	12.0008.4.885	Cable Flexo	1
04	12.0008.4.710	Screw Kit	5
05	19.0007.9.028	Cable X11A	1
06	19.0007.9.018	Cable X4A	1
07	19.0007.9.019	Cable X5A	1
08	19.0007.9.037	Pedal Assembly	1
09	06.8800.0.001	Pedal ●●●	(1)
10	12.0008.4.296	Bushing ●●●	(1)
11	19.0007.9.036	Cable	(1)
12	08.6312.8.020	Screw	(2)
13	08.6852.8.000	Washer	(4)
14	24.0097.0.000	Holder Pedal	(1)
15	08.6100.4.012	Screw	(4)
16	08.6802.8.000	Spring Washer	(2)
17	08.6702.8.020	Screw	(2)
18	08.6662.4.010	Screw	2
19	19.0083.1.688	Cover	1
20	19.0014.6.412	Distance Nut	1
21	08.6010.4.008	Screw	2
22	08.6702.4.000	Nut	1
23	08.6852.4.000	Washer	2
24	08.6832.4.000	Washer Serated	1
25	19.0007.9.029	Cable X11	1

ELECTRONIC BOX - ELECTRONIC PARTS - III



* Only indexer

** Only ACL

ELECTRONIC BOX - ELECTRONIC PARTS - III

DET	PART NUMBER	DESCRIPTION	QTY.
01	12.0008.4.050	Bridge GND	1
02	19.8001.0.008	Inverter U5	1
03	12.0010.4.080	Drivers U1, U2, U3 MD-921-1	1
04	12.0008.4.756	Trafo GS3	1
05	12.0008.4.770	Rectifier	2
06	12.0010.4.168	Power 24V GS1	1
07	12.0008.4.833	Contactor 24V	1
08	12.0008.4.665	Fuse F1, F2, T2A	1
09	12.0008.4.664	Fuse F3, F4 T10A	1
10	12.0008.4.664	Fuse F5, F6 T10A	1
11	12.0010.4.071	Ext. Block 8ET1	1
12	19.8000.1.007	PLC CP1H Omron	1
13	12.0010.4.067	Port RS232	1
14*	06.1900.0.007	Connector U4 Assembly	1
15*	12.0008.4.754	Driver U4 Indexer	1
16**	12.0008.4.898	Driver U4 ACL	1
17	12.0010.4.078	Filter	1
18	12.0010.4.163	Battery PLC Omron	1

* only indexer

** only ACL

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00.2751.3.602	3-15 i	41	1	05.0043.1.000	3-15	19	1	08.6000.4.008	3-31	02	2
00.2751.3.602	3-17 i	18	1	05.0043.1.000	3-27	36	1	08.6000.4.008	3-37	08	2
				05.1322.0.000	3-29	33	(1)	08.6000.4.008	3-45	1	2
01.2056.1.000	3-55	09	1					08.6000.4.008	3-47	09	2
01.2056.1.000	3-57	05	(1)	06.1900.0.003	3-5 i	13	1	08.6000.4.008	3-3 i	26	4
01.2056.1.000	3-69	04	(1)	06.1900.0.007	3-53	14*	1	08.6000.4.008	3-5 i	22	2
01.2056.1.000	3-77	03	(1)	06.1900.0.007	3-21 i	14*	1	08.6000.4.008	3-15 i	09	2
01.4750.0.000	3-47	23	8	06.1900.0.009	3-5 ACL	4	1	08.6000.4.008	3-3 ACL	11	(2)
01.4750.0.000	3-15 i	23	4	06.1900.0.010	3-3 ACL	27	1	08.6000.4.010	3-13	14	(2)
01.5002.0.000	3-15	22*	1	06.1900.0.012	3-5 ACL	6	1	08.6000.4.010	3-15	05	2
01.5003.0.000	3-11	09	(2)	06.1900.0.015	3-7 ACL	8	(1)	08.6000.4.010	3-19	01	3+1
01.5041.0.000	3-63	62	1	06.1900.0.016	3-7 ACL	9	(1)	08.6000.4.010	3-27	27	2
01.5041.0.000	3-3 ACL	49	1	06.8800.0.001	3-51	7	(1)	08.6000.4.010	3-29	01	4
01.5603.0.000	4-3	8	1	06.8800.0.001	3-19 i	09	(1)	08.6000.4.010	3-31	19	2
01.5603.0.000	4-2	8	1					08.6000.4.010	3-37	04	3
01.5619.0.000	3-17	17	1	07.0000.0.024	3-33	26	4	08.6000.4.010	3-39	20	2
01.5620.0.000	3-17	11	1	07.6600.0.004	3-21	40	1	08.6000.4.010	3-5 ACL	5	1
				07.6600.0.006	3-21	42	1	08.6000.4.012	3-31	24	6
02.0558.0.111	3-11	17	1	07.6600.0.006	3-43	4	(1)	08.6000.4.012	3-75	68	(1)
02.0558.0.111	3-71	43	(5)					08.6000.4.012	3-7 i	8	4
02.0558.0.112	3-59	48*	6	08.1900.0.017				08.6000.4.014	3-31	21	4
				08.1900.0.017	3-3 ACL	33	(1)	08.6000.4.014	3-37	10	1
03.5519.1.091	3-15 i	01	1	08.6000.3.005	3-21	15	6	08.6000.4.014	3-67	15	(2)
03.5519.2.091	3-47	01	1	08.6000.3.005	3-27	10	4	08.6000.4.016	3-29	21	(1)
03.5519.3.002	3-81	1	1	08.6000.3.006	3-39	15*	4	08.6000.4.016	3-39	10	5
03.5519.3.003	3-47	38	1	08.6000.3.006	3-39	31	(2)	08.6000.4.020	3-9	04	1
03.5519.3.003	3-15 i	36	1	08.6000.3.006	3-71	51	1	08.6000.4.020	3-15	11	1
03.5519.3.004	3-5 ACL	1	1	08.6000.3.006	3-3 ACL	23	(1)	08.6000.4.020	3-27	05	1
03.5519.3.030	3-69	01	1	08.6000.3.008	3-17	31	2	08.6000.4.025	3-15	25**	1
03.5519.3.050	3-77	01	1	08.6000.3.008	3-39	37**	1	08.6000.4.025	3-39	05	4
03.5519.4.009	3-65	1	1	08.6000.3.008	3-45	19	4	08.6000.4.025	3-41	25	2
03.5519.4.011	3-3 ACL	01	1	08.6000.3.008	3-59	61	(1)	08.6000.4.035	3-33	14	2
03.5519.4.013	3-67	01*	1	08.6000.3.008	3-67	22	(1)				
03.5519.4.013	3-69	03	(1)	08.6000.3.008	3-75	46	(2)	08.6000.5.010			
03.5519.4.022	3-57	01	1	08.6000.3.010	3-67	21	(1)	08.6000.5.010	3-19	51	2
03.5519.4.023	3-57	01	0	08.6000.3.010	3-5 i	5	2	08.6000.5.012	3-21	09	3
03.5519.4.029	3-57	01	0	08.6000.3.012	3-5 i	24	2	08.6000.5.012	3-23	20	2
03.5519.4.040	3-7 ACL	01	1	08.6000.3.014	3-3 ACL	34	1	08.6000.5.012	3-25	03	2
03.5519.4.041	3-7 ACL	04	1	08.6000.3.025	3-3 i	1	4	08.6000.5.012	3-27	37	2
03.5519.4.042	3-7 ACL	7	1	08.6000.3.030	3-67	05	(2)	08.6000.5.016	3-21	13	4
				08.6000.3.035	3-13	21	(2)	08.6000.5.016	3-23	23	1
04.1416.0.003	3-47	02	1	08.6000.3.045	3-43	10	2	08.6000.5.016	3-31	12	8
04.1416.0.003	3-15 i	02	1	08.6000.4.005	3-27	19	4	08.6000.5.020	3-23	19	1
04.9000.0.444	3-29	38	1	08.6000.4.005	3-29	37	4	08.6000.5.020	3-29	07	2
04.9000.1.443	3-29	41	(1)	08.6000.4.005	3-31	05	1	08.6000.5.020	3-5 i	16	3
04.9000.2.123	3-47	08	1	08.6000.4.005	3-37	24	2	08.6000.5.022	3-43	8	1
04.9000.2.123	3-15 i	08	1	08.6000.4.005	3-39	11	2	08.6000.5.025	3-21	20	1
04.9001.0.001	3-29	42	(1)	08.6000.4.005	3-81	4	(2)	08.6000.5.060	3-57	41	(1)
04.9001.1.050	3-29	44	1	08.6000.4.008	3-23	30*	1	08.6000.5.060	3-69	33	(1)

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08.6000.6.010	3-45	10	2	08.6032.4.016	3-49	6	4	08.6200.4.008	3-11 i	26	3
08.6000.6.030	3-29	43	(1)	08.6032.4.016	3-17 i	6	4	08.6200.4.012	3-17	29	1
08.6000.7.016	3-67	11	(2)	08.6032.5.006	3-5 i	9	1	08.6200.4.012	3-67	23	(2)
08.6000.8.020	3-27	01	4	08.6032.5.010	3-5 i	28	1	08.6200.4.016	3-3 ACL	37	2
08.6010.2.004	3-67	35	(2)	08.6050.4.006	3-73	28	(1)	08.6200.5.006	3-29	14	1
08.6010.2.004	3-73	22	(2)	08.6050.5.006	3-3 i	29	4	08.6200.5.006	3-43	5	(1)
08.6010.3.005	3-17	09	3	08.6100.3.006	3-3 ACL	22	(6)	08.6200.5.012	3-29	24	2
08.6010.3.005	3-63	70	1	08.6100.3.008	3-3 i	20	(8)	08.6200.5.020	3-31	47	2
08.6010.3.005	3-73	30	(4)	08.6100.4.006	3-3 ACL	15	(2)	08.6310.4.030	3-33	19	2
08.6010.3.006	3-57	20	(4)	08.6100.4.008	3-3 i	15	4	08.6310.6.016	3-29	40	(2)
08.6010.3.006	3-69	09	(3)	08.6100.4.010	3-57	42	(1)	08.6312.8.020	3-51	10	(2)
08.6010.3.006	0	46	(2)	08.6100.4.010	3-69	35	(1)	08.6312.8.020	3-19 i	12	(2)
08.6010.4.006	3-7	18	2	08.6100.4.012	3-47	29	(2)	08.6312.8.035	3-47	30	4
08.6010.4.006	3-39	21	1	08.6100.4.012	3-51	13	(4)	08.6312.8.040	3-47	22	4
08.6010.4.006	3-3 ACL	35	1	08.6100.4.012	3-15 i	29	(1)	08.6312.8.040	3-15 i	22	8
08.6010.4.008	3-51	19	2	08.6100.4.012	3-19 i	15	(4)				
08.6010.4.008	3-3 i	25	4	08.6100.5.010	3-5 i	7	1	08.6400.3.003			
08.6010.4.008	3-19 i	21	2	08.6100.5.012	3-5 i	6	1	08.6400.3.003	4-3	10	1
08.6010.4.010	3-27	09	1	08.6100.5.020	3-31	03	1	08.6400.3.003	4-2	10	1
08.6010.4.012	3-19	44	2	08.6102.3.008	3-45	5	4	08.6400.3.004	3-17	08	1
08.6010.4.012	3-33	15	2	08.6112.3.004	3-73	21	(5)	08.6400.3.005	3-11	32	(2)
08.6010.4.012	3-35	20	4	08.6132.4.010	3-65	8	(1)	08.6400.3.005	3-37	21	1
08.6010.4.012	3-61	10	4	08.6132.4.010	3-73	10	(2)	08.6400.3.006	3-63	69	1
08.6010.4.012	3-75	53	(4)	08.6132.4.010	3-7 i	4	8	08.6400.3.006	3-13 i	59	1
08.6010.4.012	3-79	12	(1)					08.6400.3.010	3-35	30	2
08.6010.4.012	3-9 i	17	4	08.6200.3.005				08.6400.3.010	3-61	17	2
08.6010.4.012	3-11 i	10	4	08.6200.3.005	3-21	41	1	08.6400.3.010	3-63	65	1
08.6010.4.012	3-3 ACL	36	2	08.6200.3.005	3-35	32	2	08.6400.3.010	3-73	05	(3)
08.6010.5.012	3-33	11	4	08.6200.3.005	3-57	7	(1)	08.6400.3.010	3-9 i	24	2
08.6010.5.012	3-35	01	2	08.6200.3.005	3-63	46	3	08.6400.3.010	3-11 i	17	2
08.6010.5.012	3-61	12	2	08.6200.3.005	3-71	53*	(1)	08.6400.4.004	3-15	21*	1
08.6010.5.012	3-11 i	12	2	08.6200.3.005	3-75	56	(2)	08.6400.4.004	3-23	34*	1
08.6010.5.016	3-21	19	2	08.6200.3.005	3-79	11	(1)	08.6400.4.004	3-31	43	(2)
				08.6200.3.005	3-3 i	3	6	08.6400.4.004	3-57	22	(2)
08.6012.2.006				08.6200.3.005	3-5 i	18	4	08.6400.4.004	3-69	11	(2)
08.6012.2.006	3-73	37	(4)	08.6200.3.005	3-9 i	26	2	08.6400.4.005	3-13	12	(1)
08.6012.3.003	3-3 i	7	4	08.6200.3.005	3-11 i	46	3	08.6400.4.005	3-17	26	2
08.6012.3.006	3-13	06	(2)	08.6200.3.006	3-27	40*	1	08.6400.4.005	3-63	61	1
08.6012.4.006	3-69	24	(2)	08.6200.3.006	3-5 ACL	7	1	08.6400.4.006	3-35	04	2
08.6012.4.010	3-11	02	3	08.6200.3.008	3-3 i	21	2	08.6400.4.006	3-37	11	2
08.6032.3.008	3-9	01	1	08.6200.4.006	3-27	13	3	08.6400.4.006	3-43	12	1
08.6032.4.008	3-13	25	1	08.6200.4.006	3-59	63	(1)	08.6400.4.006	3-61	11	2
08.6032.4.008	3-15	20	1	08.6200.4.006	3-63	49	2	08.6400.4.006	3-73	12	(2)
08.6032.4.008	3-37	19	6	08.6200.4.006	3-67	04	(2)	08.6400.4.006	3-79	09	(2)
08.6032.4.008	3-41	04	6	08.6200.4.006	3-67	08	(2)	08.6400.4.006	3-9 i	4	2
08.6032.4.008	3-3 i	22	1	08.6200.4.008	3-15	10	2	08.6400.4.006	3-11 i	11	2
08.6032.4.008	3-7 i	01	5	08.6200.4.008	3-37	22	2	08.6400.4.006	3-3 ACL	26	2+(1)
08.6032.4.008	3-7 ACL	19	(2)	08.6200.4.008	3-39	23	4	08.6400.4.008	3-21	25	2
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08.6400.4.010	3-77	22	(1)	08.6700.4.000	3-67	29	(2)	08.6717.0.400	3-21	32	1
08.6400.4.030	3-25	01	1	08.6700.4.000	3-79	13	(2)	08.6722.8.000	3-47	19	2
08.6400.5.005	3-3	07	2	08.6700.4.000	3-3 i	4	2	08.6722.8.000	3-15 i	19	2
08.6400.5.006	3-33	23	1	08.6700.5.000	3-17	22	1	08.6733.3.000	3-13	22	(2)
08.6400.5.008	3-19	36	2	08.6700.5.000	3-21	39	1	08.6733.8.000	3-47	43	4
08.6400.5.030	3-23	27	1	08.6700.5.000	3-23	26	1	08.6733.8.000	3-15 i	40	4
08.6400.5.305	3-19	16	2	08.6700.5.000	3-5 i	12	1	08.6800.4.000	3-65	10	(1)
08.6400.5.305	3-21	22	(2)	08.6700.6.000	3-67	03	(2)	08.6800.5.000	3-5 i	15	3
08.6400.6.006	3-3	21	(2)	08.6700.6.300	3-31	15	1	08.6800.6.000	3-29	39	(2)
08.6400.6.006	3-5	01	4+(2)	08.6700.6.300	3-31	42	1	08.6800.8.000	3-27	33	4
08.6400.6.006	3-19	07	(2)	08.6702.2.000	3-73	31	(2)	08.6802.3.000	3-13	04	(1)
08.6400.6.006	3-21	29	2	08.6702.4.000	3-39	17	1	08.6802.3.000	3-13	05	(1)
08.6400.6.006	3-31	22	6	08.6702.4.000	3-49	14	12	08.6802.8.000	3-47	17	12
08.6400.6.006	3-47	41	1	08.6702.4.000	3-51	20	1	08.6802.8.000	3-51	14	(2)
08.6400.6.006	3-73	02	(2)	08.6702.4.000	3-17 i	13	12	08.6802.8.000	3-15 i	17	12
08.6400.6.006	3-79	08	(1)	08.6702.4.000	3-19 i	22	1	08.6802.8.000	3-19 i	16	(2)
08.6400.6.006	3-9 i	1	2	08.6702.5.000	3-25	09	1	08.6832.4.000	3-51	22	1
08.6400.6.006	3-15 i	39	1	08.6702.6.000	3-49	22	2	08.6832.4.000	3-3 i	41	1
08.6400.6.008	3-3	01	(2)	08.6702.6.000	3-69	27	(1)	08.6832.4.000	3-19 i	24	1
08.6400.6.010	3-5 i	8	1	08.6702.6.000	3-17 i	21	2	08.6832.4.000	3-7 ACL	20	(2)
				08.6702.7.000	3-67	28	(2)	08.6832.6.000	3-49	23	2
08.6522.4.006				08.6702.8.000				08.6832.6.000	3-17 i	22	2
08.6522.4.006	3-33	01	6	08.6702.8.000	3-47	18	14	08.6842.5.000	3-31	46	2
08.6522.4.006	3-65	7	(1)	08.6702.8.000	3-49	25	4	08.6850.0.000			
08.6522.4.006	3-5 i	1	3	08.6702.8.000	3-15 i	18	14	08.6850.0.000	3-21	33	1
08.6522.4.006	3-7 i	5	4	08.6702.8.000	3-17 i	24	4	08.6850.3.000	3-27	38	2
08.6532.8.050	3-47	12	8	08.6702.8.000	3-51	15	(2)	08.6850.3.000	3-39	38**	1
08.6532.8.050	3-15 i	12	8	08.6702.8.020	3-19 i	17	(2)	08.6850.3.000	3-45	18	3
08.6532.8.070	3-47	44	4	08.6710.3.000	3-35	31	2	08.6850.3.000	3-57	04	(1)
08.6532.8.070	3-49	1	4	08.6710.3.000	3-61	18	2	08.6850.3.000	3-67	20	(3)
08.6532.8.070	3-15 i	42	4	08.6710.3.000	3-67	17	(2)	08.6850.3.000	3-69	19	(2)
08.6532.8.070	3-17 i	1	4	08.6710.3.000	3-73	04	(2)	08.6850.3.000	3-73	25	(1)
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08.6632.3.016	3-15 i	06	15	08.6710.3.000	3-11 i	18	2	08.6850.4.000	3-17	34	1
08.6662.4.010	3-51	16	2	08.6710.3.000	3-5 ACL	2	1	08.6850.4.000	3-23	29*	1
08.6662.4.010	3-19 i	18	2	08.6710.4.000	3-27	17	1	08.6850.4.000	3-27	26	2
08.6663.5.025	3-47	34	(2)	08.6710.4.000	3-33	20	2	08.6850.4.000	3-31	31	6
08.6663.5.025	3-15 i	33	(2)	08.6710.4.000	3-35	12	4	08.6850.4.000	3-33	16	2
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08.6700.3.000	3-13	19	(1)	08.6710.4.000	3-9 i	11	4	08.6850.4.000	3-45	8	2
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08.6700.3.000	3-63	66	1	08.6710.5.000	3-69	34	(1)	08.6850.5.000	3-19	33	4
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08.6850.8.000	3-29	45	2	12.0008.3.411	3-43	14	1	12.0008.3.780	3-59	45	((1))
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08.6852.8.000	3-49	24	4	12.0008.3.421	3-7 ACL	12	(2)	12.0008.3.782	3-67	37	((1))
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08.6852.8.000	3-15 i	16	12	12.0008.3.430	3-41	27	2	12.0008.3.783	3-67	40	((3))
08.6852.8.000	3-17 i	23	4	12.0008.3.431	3-7 ACL	22	1	12.0008.3.784	3-67	26	((1))
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10.1010.3.000	4-3	9	1	12.0008.3.615	3-7 ACL	17	(1)	12.0008.3.794	3-41	16	1
10.1010.3.000	4-2	9	1	12.0008.3.622	3-69	39	((1))	12.0008.3.795	3-39	09	1
10.1021.2.000	3-11	10	(2)	12.0008.3.631	3-67	13	((1))	12.0008.3.801	3-7 ACL	21	(1)
10.1077.0.000	4-3	03	1	12.0008.3.659	3-41	01	1	12.0008.3.803	3-41	6	2
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10.1078.1.000	4-2	04	1	12.0008.3.713	3-7 ACL	14	(1)	12.0008.3.805	3-67	38	((1))
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12.0008.4.682	3-49	20	1	12.0010.4.075	3-5 i	27	1	12.2050.1.005	3-75	65	(1)
12.0008.4.682	3-17 i	19	(1)	12.0010.4.078	3-53	17	1	12.2050.1.005	3-11 i	41	1
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19.0041.1.400	3-61	42	1	19.0055.5.400	3-31	37	2	19.0064.5.849	3-59	43	0
19.0041.1.400	3-75	66	(1)	19.0058.1.400	3-31	28	2	19.0064.5.849	3-59	61	0
19.0041.1.400	3-11 i	42	1	19.0061.3.601	3-25	06	1	19.0064.5.849	3-71	46	(1)
19.0041.2.404	3-19	30	1	19.0061.3.601	3-33	12 *	2	19.0064.5.850	3-59	62	0
19.0041.6.400	3-29	04	2	19.0061.3.605	3-61	31	1	19.0064.5.851	3-59	63	0
19.0041.6.401	3-11	11	(1)	19.0061.3.605	3-11 i	31	1	19.0064.5.852	3-59	64	0
19.0041.6.402	3-5	02	1	19.0061.3.610	3-25	04	1	19.0064.5.852	3-71	48	(1)
19.0041.6.403	3-75	49	(1)	19.0061.3.611	3-75	64	(1)	19.0064.5.853	3-59	65	0
19.0041.8.401	3-19	12	2	19.0061.3.612	3-33	12	2	19.0064.5.854	3-59	66	0
19.0042.1.406	3-19	38	1	19.0061.3.613	3-5 ACL	3	1	19.0064.5.854	3-71	49	(1)
19.0042.1.408	3-5	09	(1)	19.0061.6.401	3-57	11	(1)	19.0064.5.855	3-59	67	0
19.0042.2.400	3-19	09	1	19.0062.2.410	3-3 ACL	5	(1)	19.0064.5.856	3-59	68	0
19.0042.5.401	3-21	08	1	19.0062.5.405	3-57	29	(1)	19.0064.5.856	3-71	50	(1)
19.0042.5.409	3-75	60	(1)	19.0062.5.405	3-69	17	(1)	19.0064.5.952	3-71	47	(1)
19.0043.6.046	3-31	39	1	19.0062.5.408	3-35	23	2	19.0064.5.958	3-3 ACL	7	(1)
19.0043.6.441	3-19	29	1	19.0062.5.408	3-61	36	2	19.0064.5.959	3-7 ACL	03	(1)
19.0043.6.442	3-5	17	1	19.0062.5.408	3-75	58	(2)	19.0064.5.964	3-7 ACL	6	(1)
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19.0064.7.402	3-9 i	12	2	19.0074.4.537	3-77	13	(1)	19.0081.5.453	3-73	42	(1)
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19.0064.7.423	3-13 i	54	1	19.0074.4.544	3-3 ACL	18	(1)	19.0081.5.463	3-21	27	1
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19.0064.7.424	3-11 i	08	1	19.0074.6.218	3-3 ACL	44	(1)	19.0081.5.473	3-9 i	6	1
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19.0064.7.432	3-31	18	1	19.0074.6.226	3-37	12	1	19.0081.5.478	3-13	01	(1)
19.0064.7.435	3-3 ACL	24	(1)	19.0074.6.227	3-37	05	1	19.0081.6.402	3-45	2	1
19.0064.8.407	3-33	29	1	19.0074.6.228	3-61	34	1	19.0081.6.403	3-45	4	1
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19.0064.8.444	3-39	24	5	19.0081.0.517	3-33	09	2	19.0082.1.410	3-13	02	(1)
19.0064.8.445	3-39	06	2	19.0081.0.518	3-33	08	2	19.0082.1.412	3-27	41*	1
19.0064.8.446	3-3 ACL	42	1	19.0081.0.519	3-79	28	1	19.0082.1.413	3-57	16	(1)
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19.0066.8.400	3-61	13	1	19.0081.1.771	3-75	48	(1)	19.0082.3.404	3-45	12	1
19.0066.8.400	3-11 i	13	1	19.0081.4.444	3-33	32	1	19.0082.3.407	3-15	09	1
19.0066.8.401	3-35	03	1	19.0081.4.446	3-33	33	2	19.0082.3.410	3-55	11	1
19.0066.8.401	3-63	45	1	19.0081.4.448	3-33	34	2	19.0082.3.410	3-69	14	(1)
19.0066.8.401	3-11 i	45	1	19.0081.4.449	3-3 ACL	3	(1)	19.0082.3.410	3-77	08	(1)
19.0066.8.402	3-73	41	(1)	19.0081.4.450	3-3 ACL	20	(1)	19.0082.3.411	3-27	11	1
19.0066.8.404	3-79	23	(1)	19.0081.4.453	3-3 ACL	19	(1)	19.0082.3.433	3-29	36	2
19.0066.8.405	3-73	06	(1)	19.0081.4.454	3-3 ACL	25	(1)	19.0082.3.434	3-69	28	(1)
19.0066.8.405	3-9 i	3	1	19.0081.5.413	3-5 i	19	1	19.0082.3.435	3-69	25	(1)
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19.0082.6.420				19.0087.0.446	3-11 i	21	1	19.0095.4.401	3-7 i	3	1
19.0082.6.420	3-57	27	(1)	19.0087.0.447	3-61	22	1	19.0095.4.402	3-7 i	2	1
19.0082.6.421	3-35	17	1	19.0087.0.447	3-11 i	22	1	19.0095.4.403	3-37	15	1
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19.0082.6.421	3-75	61	(1)	19.0091.0.402	3-15 i	04	1	19.1301.0.600	4-2	01	1
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19.0082.6.422	3-35	10	1	19.0094.0.410	3-73	26	(1)	19.1303.0.400	4-2	02	1
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19.0082.6.422	3-75	71	(1)	19.0094.1.400	3-29	05	2	19.8000.1.007	3-21 i	12	1
19.0082.6.426	3-73	38	(1)	19.0094.1.401	3-73	33	(1)	19.8000.1.013	3-13	27	1
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19.0082.6.434	3-39	02**	3	19.0094.2.410	3-49	21	1	19.8001.0.009	3-47	26	(1)
19.0082.6.434	3-69	42	(3)	19.0094.2.410	3-17 i	20	1	19.8001.0.009	3-15 i	26	(1)
19.0082.6.442	3-3 i	11	1	19.0094.2.412	3-15	01	1				
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19.0082.6.445	3-3 i	30	1	19.0094.2.413	3-37	18	-	24.0097.0.000	3-51	12	(1)
19.0082.6.446	3-3 i	31	1	19.0094.2.418	3-43	6	1	24.0097.0.000	3-19 i	14	(1)
19.0082.6.448	3-3 i	12	2	19.0094.2.419	3-27	30*	1	24.0119.0.050	3-13	17	(1)
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19.0082.6.451	3-3 i	18	1	19.0094.2.421	3-39	32	1	24.4049.0.000	3-15 i	46	(2)
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19.0083.1.683	3-33	03	1	19.0094.5.401	3-15	12	1	84.0004.6.847	3-57	40	((1))
19.0083.1.686	3-3 ACL	38	3	19.0094.5.402	3-15	08	1	84.0004.6.847	3-69	29	((2))
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