

NUMERICAL CONTROL
TURRET PUNCH PRESS
PEGA-204040(W)
PARTS LIST

ORDERING INSTRUCTIONS

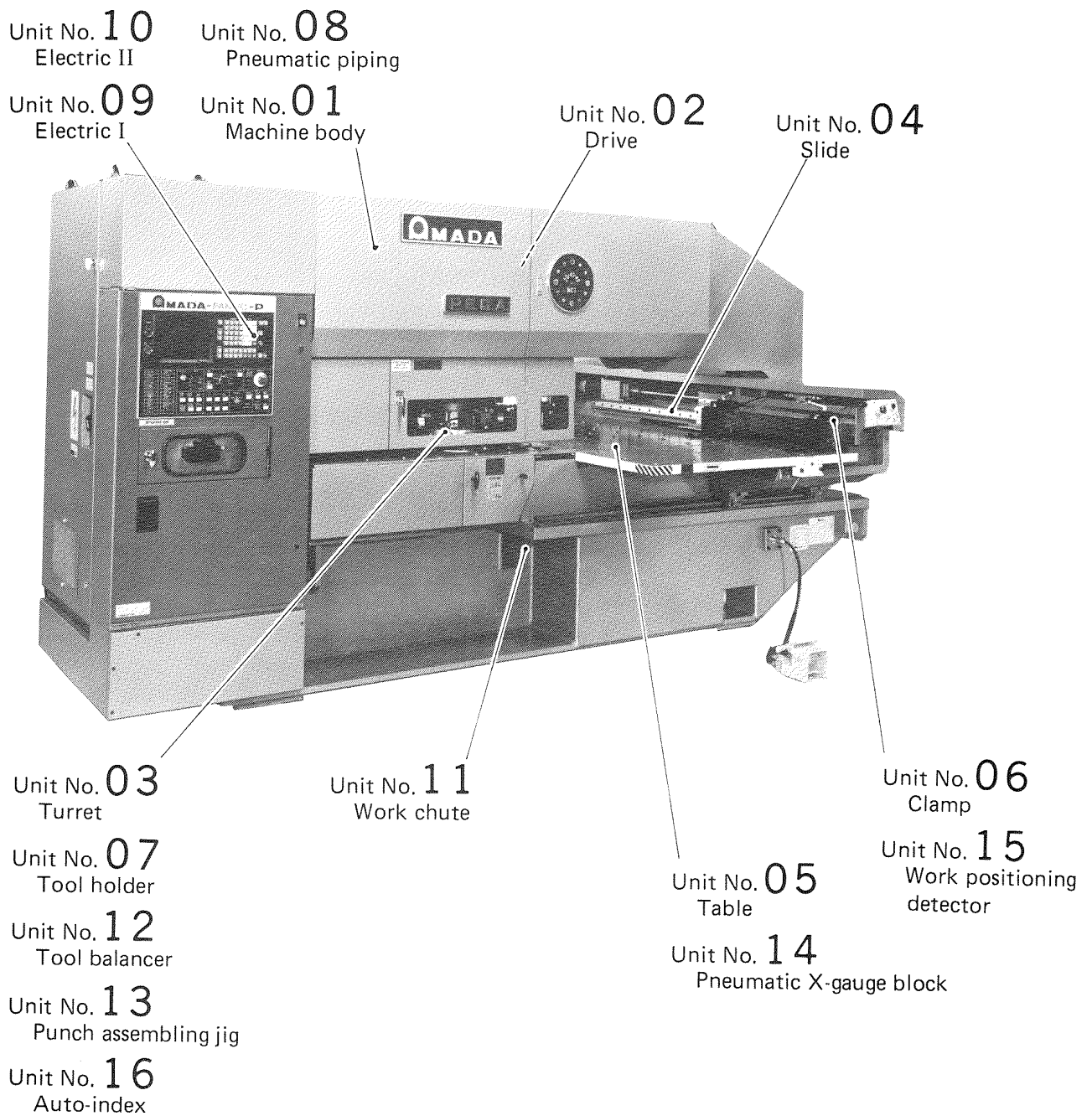
When ordering parts, specify Machine Model, Serial No., Unit No., Index No., Parts No., Parts Name, Drawing No. or Type and Quantity.

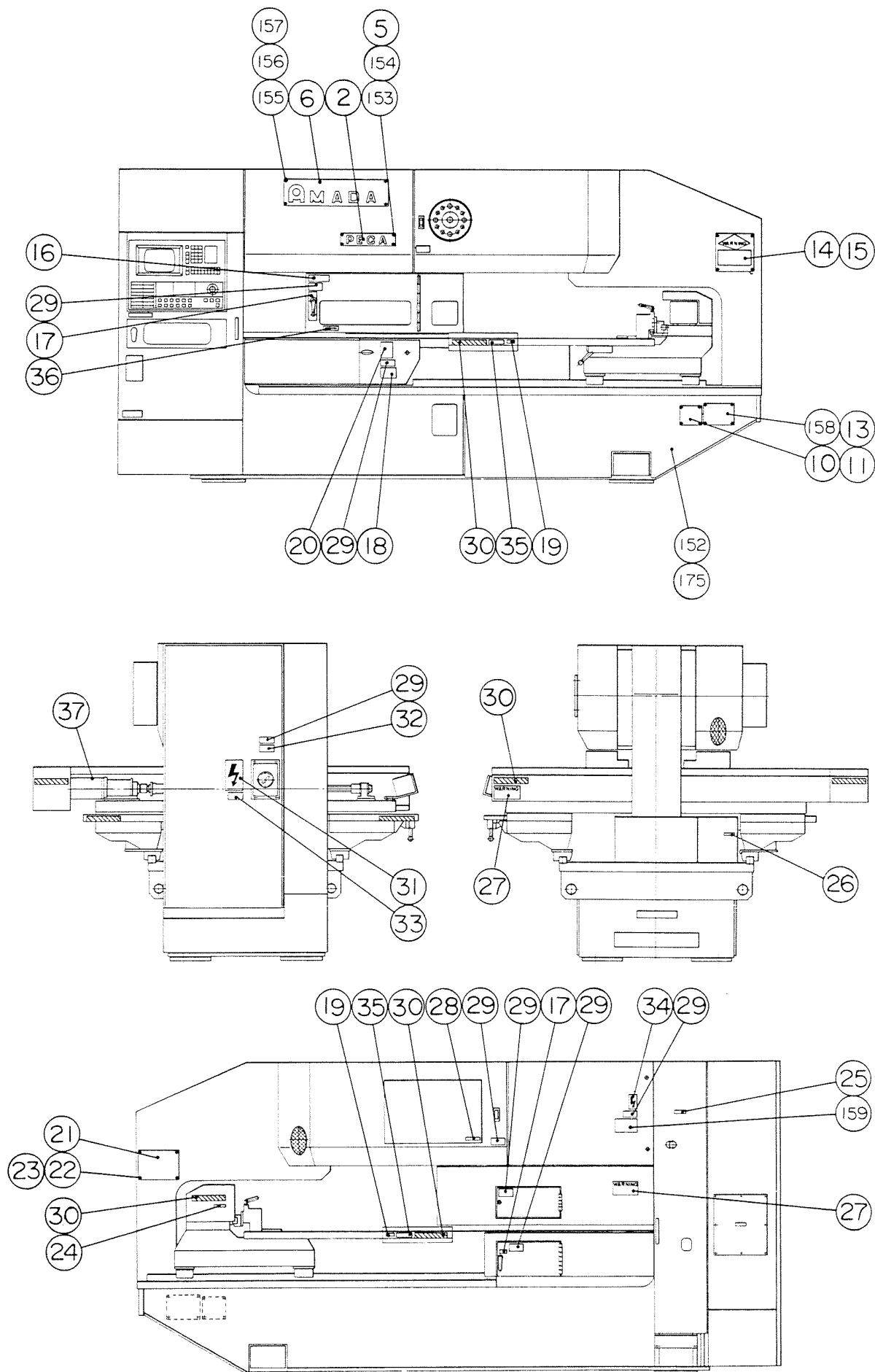
Machine Model: PEGA-204040 (W)

Serial No.: P2440202

Unit No.	Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty
01	53	74325603	Bracket (3)	818172	1
05	105	74334401	Spring	A09-03	1

CONTENTS



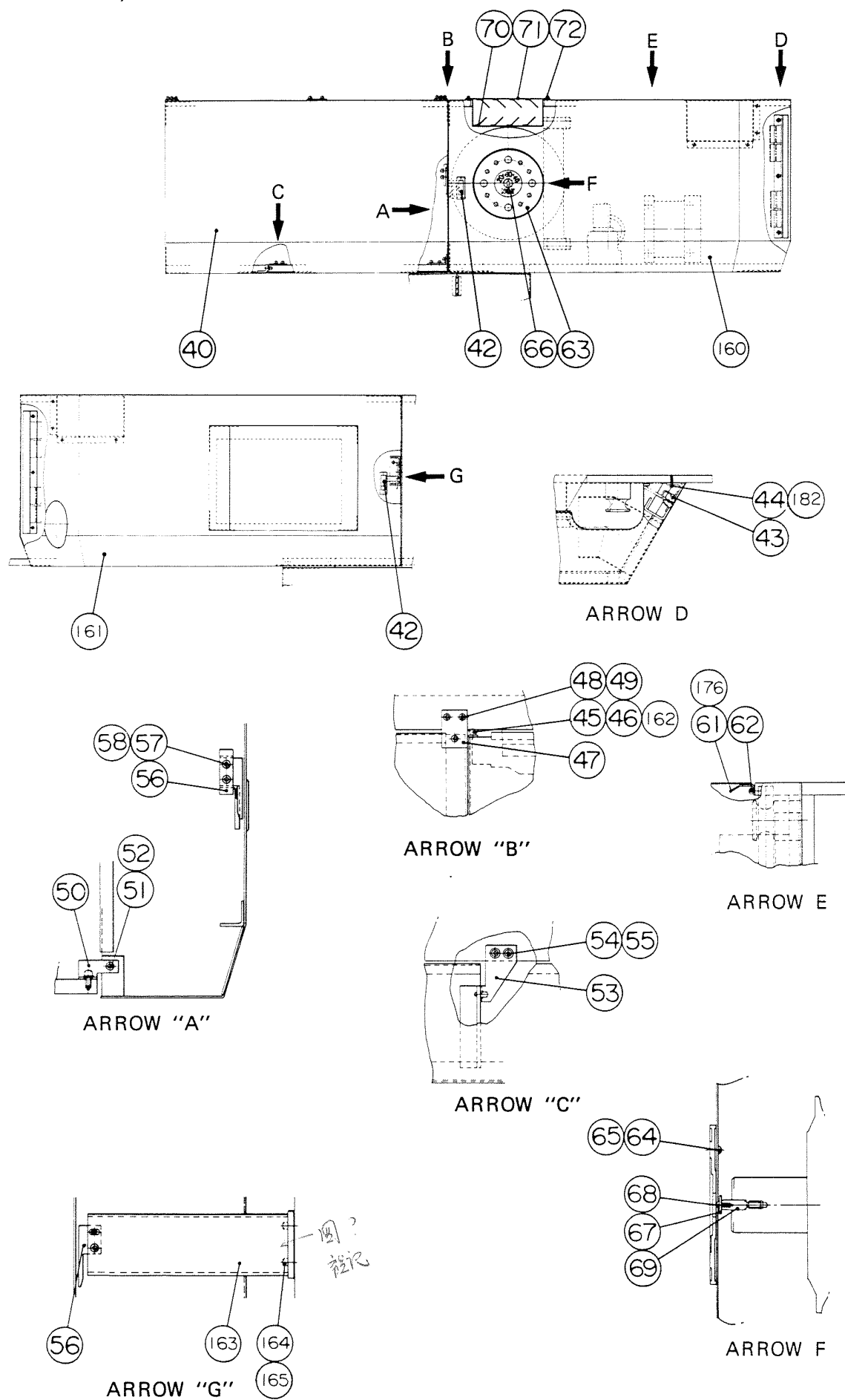


Unit No. 01

Machine body

From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
2	74325206 (74300115)	Model plate	810558	1	
5	74353405 (13239613)	Nut	M5	4	
6	74325201 (74300101)	Amada plate	400506	1	
10	74325221 (74300429)	Serial plate	820825d	1	
11	74326601 (74300719)	Drive screw rivet	φ6 x 12	4	
13	74326601 (74300719)	Drive screw rivet	φ6 x 12	4	
14	74325308 (74300125)	Legend plate (warning)	820843	1	
15	74326601	Drive screw rivet	φ6 x 12	4	
16	74325309 (74300126)	Legend plate (caution)	820853	1	
17	74325311 (74300124)	Legend plate (open)	811864	2	
18	74325306 (74300121)	Legend plate (caution)	810618a	1	
19	74325307	Legend plate (don't lift)	810649	10	
20	74325315	Legend plate (tool change)	818180	1	
21	74325310 (74300123)	Legend plate (lubrication)	810788a	1	
22	74355820 (74300708)	Pan head machine screw	M6 x 16	4	
23	74353526 (74300527)	Toothed lock washer	M6	4	
24	74325313	Legend plate (X-axis motor)	818177	1	
25	74325314	Legend plate (T-axis motor)	818178	1	
26	74325316	Legend plate (Y-axis motor)	818191	1	
27	74325501	Sticker (warning)	820839a	2	
28	74325503	Sticker (V-belt)	810789	1	
29	74326506	Sticker	AS-K1005B	8	
30	74326507 (74300406)	Sticker	AS-K1006	8	
31	74326501	Sticker	AS-K1000A	1	
32	74326502	Sticker	AS-K1000B	1	
33	74326503 (78185224)	Sticker	AS-K1000C	1	
34	74326504 (78185229)	Sticker	AS-K1000D	1	
35	74326505	Sticker	AS-K1001E	3	
37	74325318 (74307429)	Legend plate (motor brush)	828943	3	
38	74325502 (74307424)	Sticker	828707a	1	
152	74326207	Frame	810820e	1	~ P2440264
153	74355302	Button head socket screw	M5 x 15	4	
154	74353603 (44027927)	Spring washer	M5	4	
155	74355303	Button head socket screw	M6 x 20	4	
156	74353604 (44027928)	Spring washer	M6	4	
157	74353406 (10310352)	Nut	M6	4	
158	74325320	Legend plate (motor model)	818946	1	
159	74325321	Legend plate (fuse specification)	818947a	1	a: Jan. '87 ~
175	74326208	Frame	810826, 810828	1	P2440265 ~

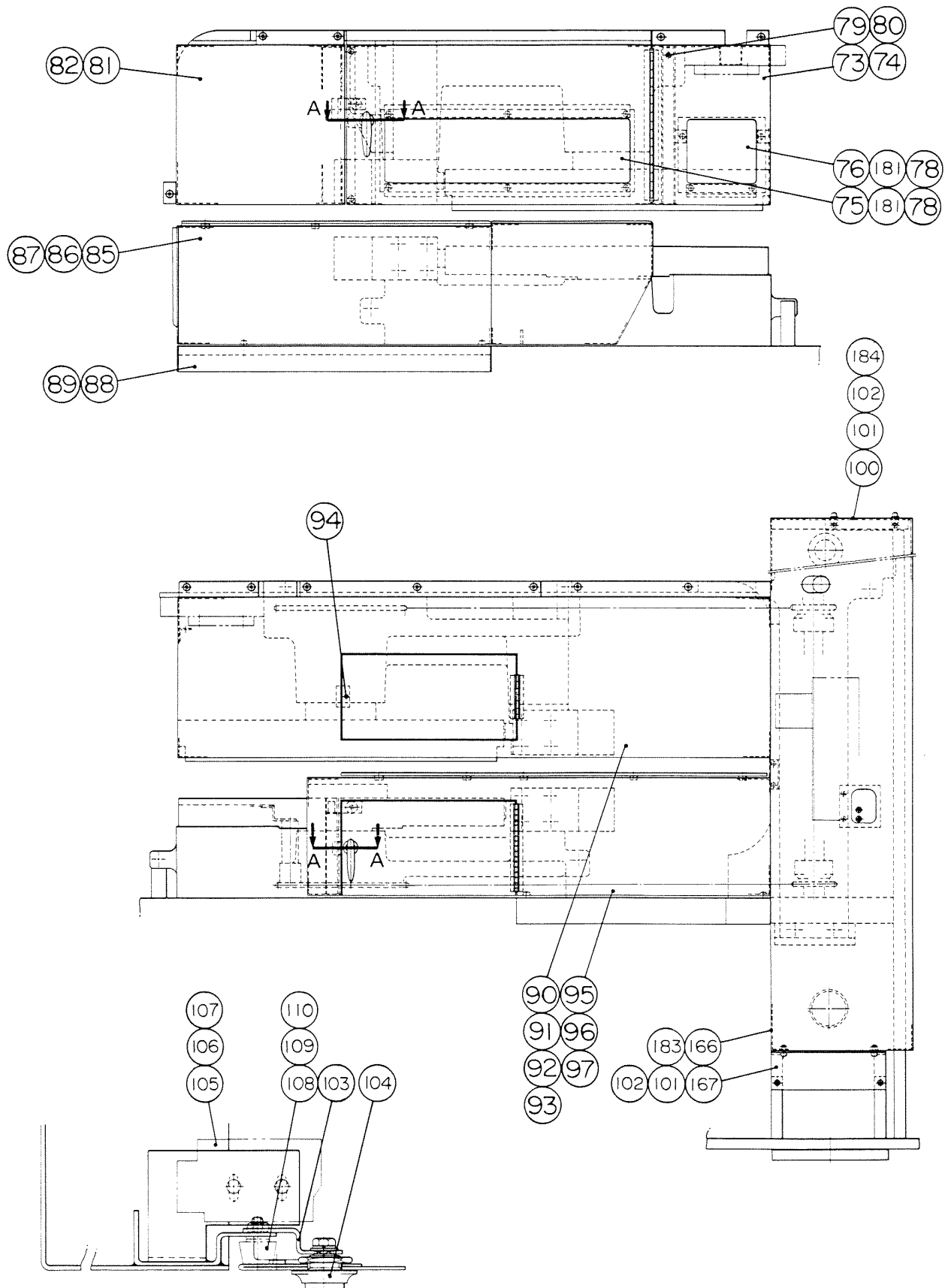


Unit No. 01

Machine body

From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
40	74325817	Front cover (2)	818157b	1	
42	74326605	Cover lock	A-240-3-2	2	
43	74326615	Hinge	B-8-11	4	
44	74354334 (73157630)	Cap screw	M8 x 15	6	
45	74326529 (74300805)	Rubber cushion	RK-18	4	
46	74354305	Cap screw	M4 x 15	4	
47	74325601	Bracket (1)	818104	2	
48	74354334 (73157630)	Cap screw	M8 x 15	6	
49	74353504 (74300511)	Washer	M8	6	
50	74325602	Bracket (2)	818189	1	
51	74354334 (73157630)	Cap screw	M8 x 15	3	
52	74353504 (74300511)	Washer	M8	3	
53	74325603	Bracket (3)	818172	1	
54	74354334 (73157630)	Cap screw	M8 x 15	3	
55	74353504 (74300511)	Washer	M8	3	
56	74326211	Hook	818107a	2	
57	74354330 (36329937)	Cap screw	M8 x 10	4	
58	74353504 (74300511)	Washer	M8	4	
61	74326311	Cover support	818165a	2	~ P2440264
62	74354334 (73157630)	Cap screw	M8 x 15	8	
63	74325301 (74300105)	Indicator plate	800537b	1	
64	74356101 (74300713)	Round head machine screw	M5 x 8	6	
65	74353603 (44027927)	Spring washer	M5	6	
66	74325312	Legend plate	818110	1	
67	74326216	Pointer	818111	1	
68	74355405	Button head socket screw	M8 x 10	1	
69	74326221	End shaft	818112	1	
70	74325916	Head cover (1)	818169	1	
71	74325917	Head cover (2)	818170	1	
72	74354334 (73157630)	Cap screw	M8 x 15	4	
160	74325818	Front cover (1)	818181d	1	d: Aug. '88 ~
161	74325827	Rear cover	818182d	1	d: Aug. '88 ~
162	74353502 (74300510)	Washer	M4	4	
163	74325628	Hook bracket	818183	1	
164	74354334 (73157630)	Cap screw	M8 x 15	2	
165	74353504 (74300511)	Washer	M8	2	
176	74326312	Cover support	818227	2	P2440265 ~
182	74353504 (74300511)	Washer	M8	6	Aug. '88 ~



SECTION "A-A"

Unit No. 01

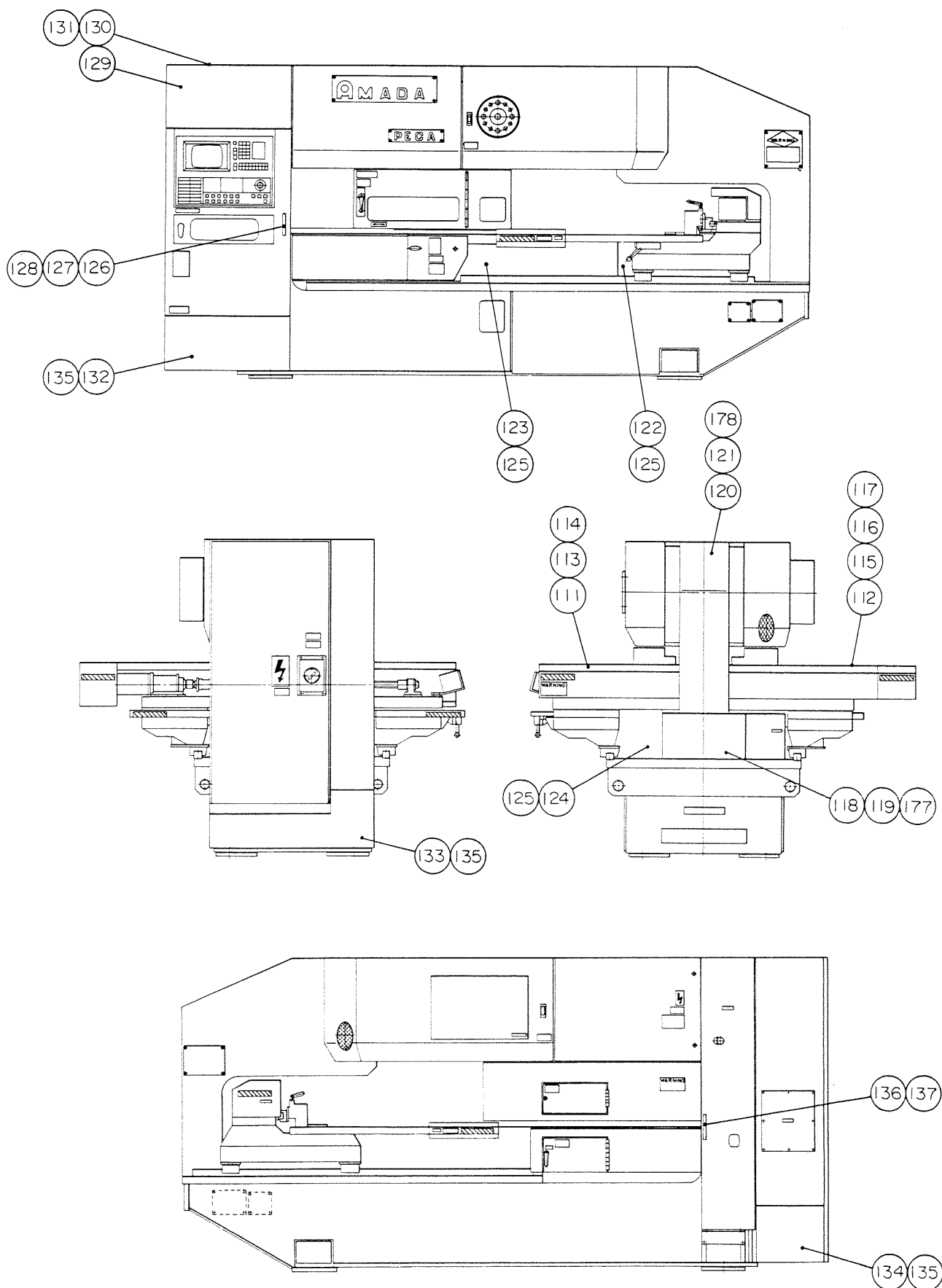
Machine body

From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
73	74325705	Front turret cover (upper)	818121c	1	
74	74355605	Truss head machine screw	M8 x 15	2	
75	74325211	Plate (A)	818124	1	
76	74325212	Plate (B)	818125a	1	
78	74353406 (10310352)	Nut	M6	10	
79	74353705	Set screw	M8 x 60	1	
80	74353407 (10001517)	Nut	M8	1	
81	74325926	Corner cover	818184a	1	
82	74355605	Truss head machine screw	M8 x 15	4	
85	74325706	Front turret cover (lower)	818123b	1	
86	74355605	Truss head machine screw	M8 x 15	2	
87	74354317 (74302812)	Cap screw	M6 x 10	5	
88	74326306	Angle	818131a	2	
89	74354334 (73157630)	Cap screw	M8 x 15	4	
90	74325713	Rear turret cover (upper)	818127e	1	e: May '88 ~
91	74355605	Truss head machine screw	M8 x 15	5	
92	74353704 (52108717)	Set screw	M8 x 30	1	
93	74353407 (10001517)	Nut	M8	1	
94	74326201	Bolt	810735	1	
95	74325714	Rear turret cover (lower)	818128e	1	
96	74355605	Truss head machine screw	M8 x 15	2	
97	74354317 (74302812)	Cap screw	M6 x 10	5	
100	74325618	Cover bracket (B)	818161	1	~ Apr. '88
101	74354334 (73157630)	Cap screw	M8 x 15	8	
102	74353504 (74300511)	Washer	M8	8	
103	74326301	Retainer	818126b	2	
104	74326610 (74300725)	Knob	A-26-1	2	
105	74326620 (74163503)	Limit switch	BZE6-2RN-J	2	
106	74354308 (36322512)	Cap screw	M4 x 30	4	
107	74353403 (74300501)	Nut	M4	4	
108	74326529 (74300805)	Rubber cushion	RK-18	2	
109	74353502 (74300510)	Washer	M4	4	
110	74353403 (74300501)	Nut	M4	2	
166	74325831	T-axis cover	818203	1	~ Apr. '88
167	74325619	Cover bracket (A)	818186	1	
181	74353905 (10325206)	Set screw (cone end)	M6 x 25	10	
183	74325832	T-axis cover	818243	1	Apr. '88 ~
184	74325620	Cover bracket (B)	818244	1	Apr. '88 ~

Unit No. 01
Machine body

From serial No. P2440202 and after.



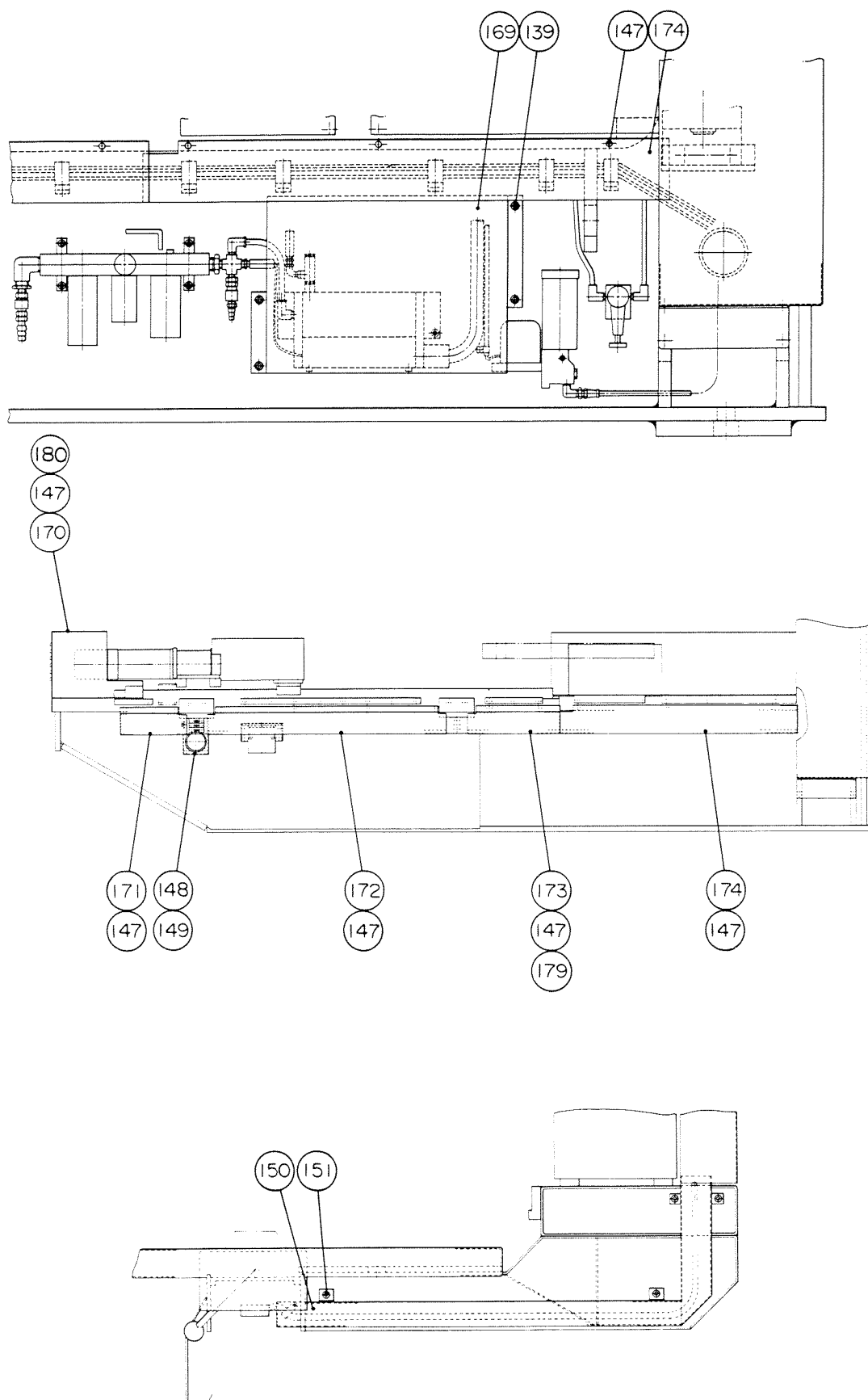
Machine body

From serial No. P2440202 and after.

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Unit No. 01
Machine body

From serial No. P2440202 and after.

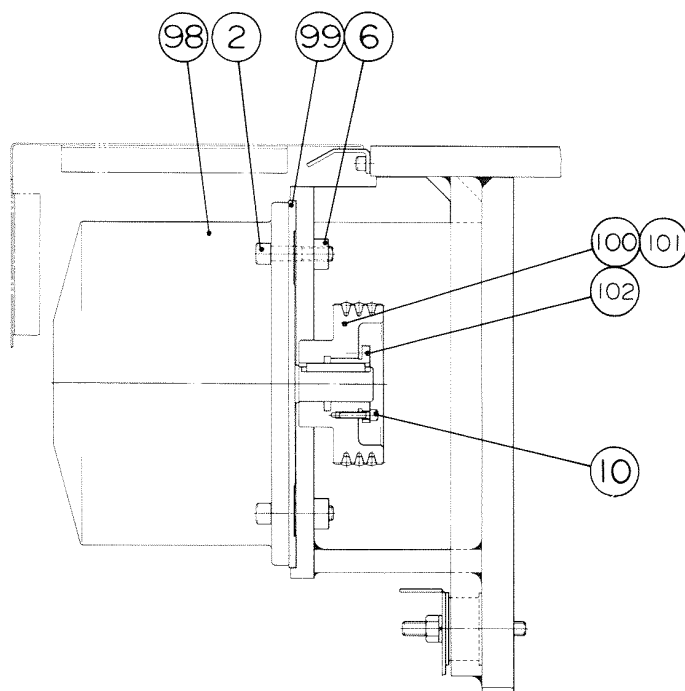
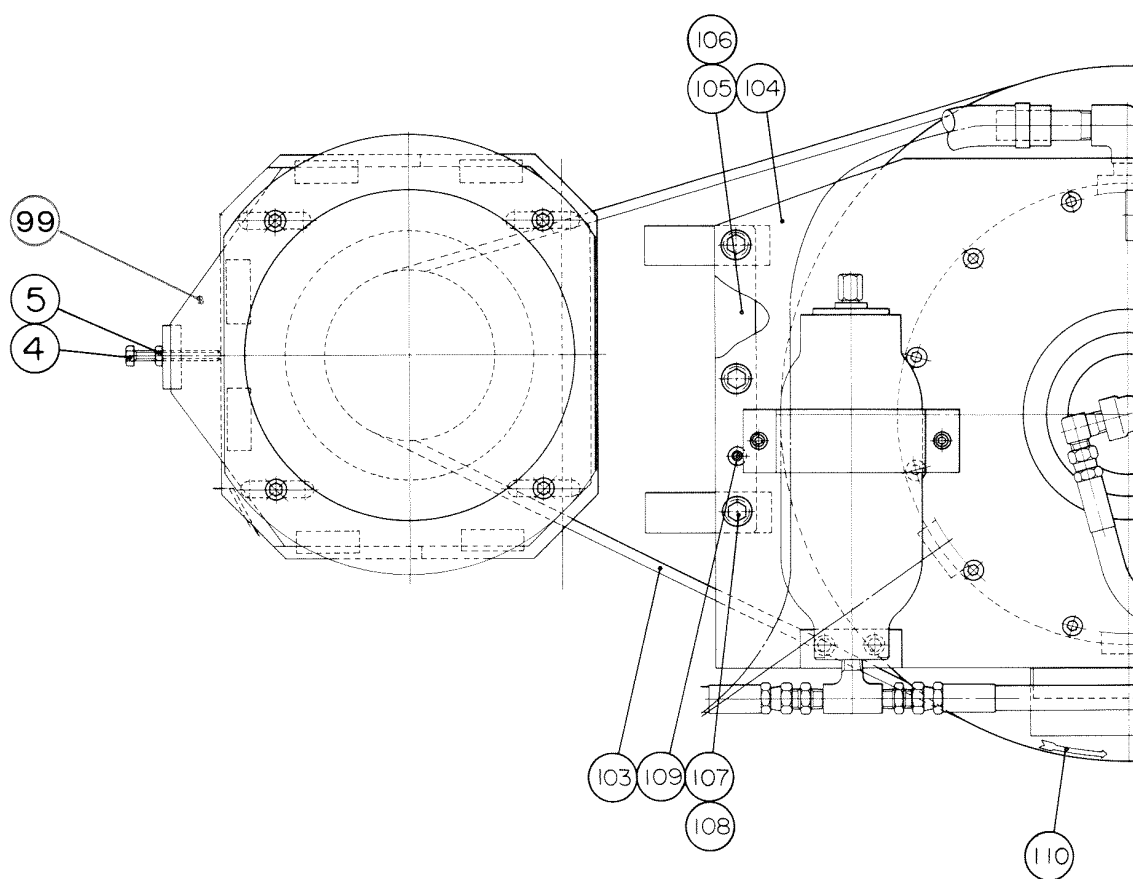


Unit No. 01

Machine body

From serial No. P2440202 and after.

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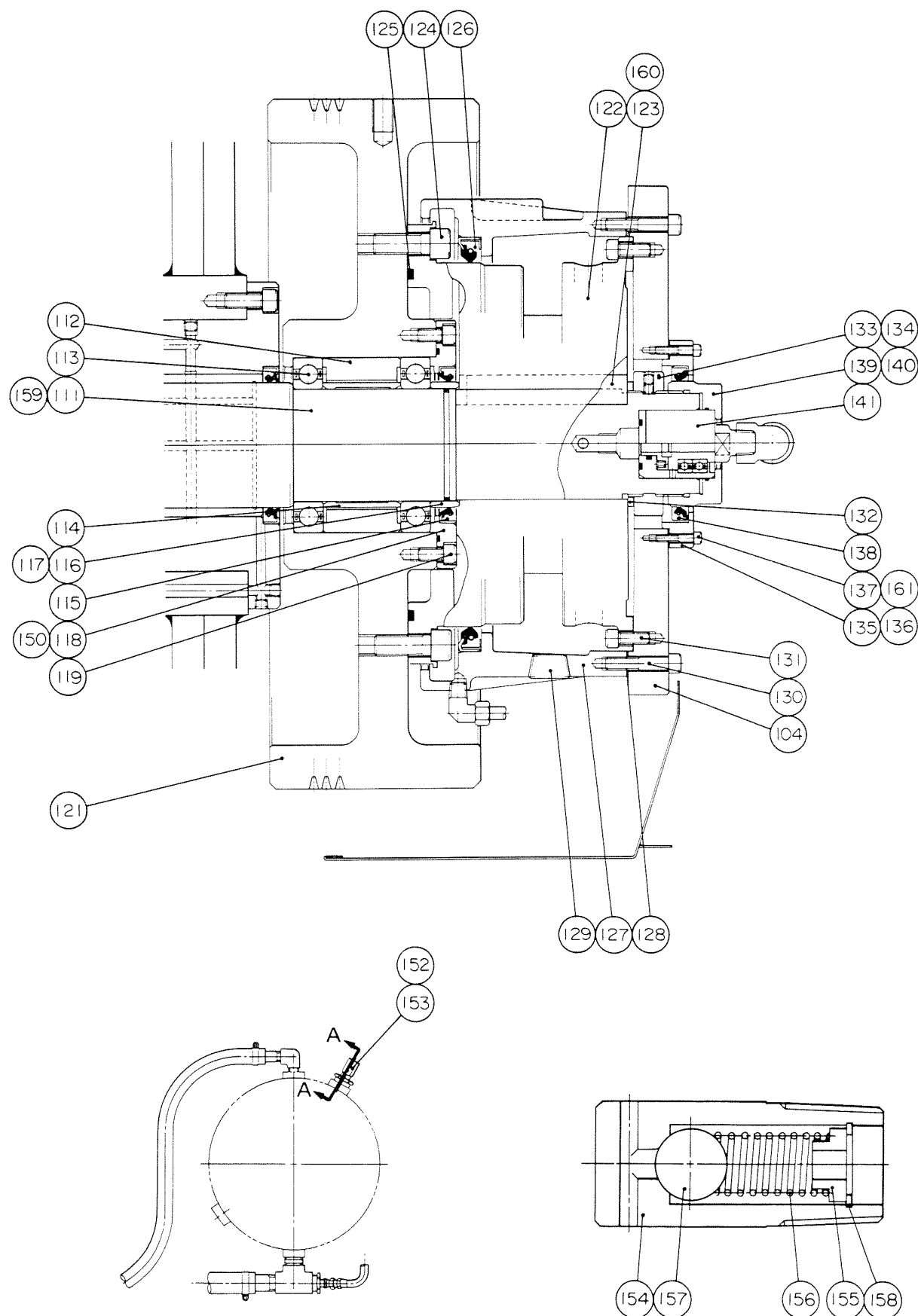


Unit No. 02

Drive

From serial No. P2440202 and after.

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Unit No. 02

Drive

From serial No. P2440202 and after.

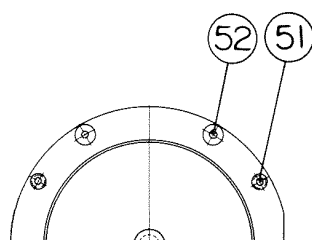
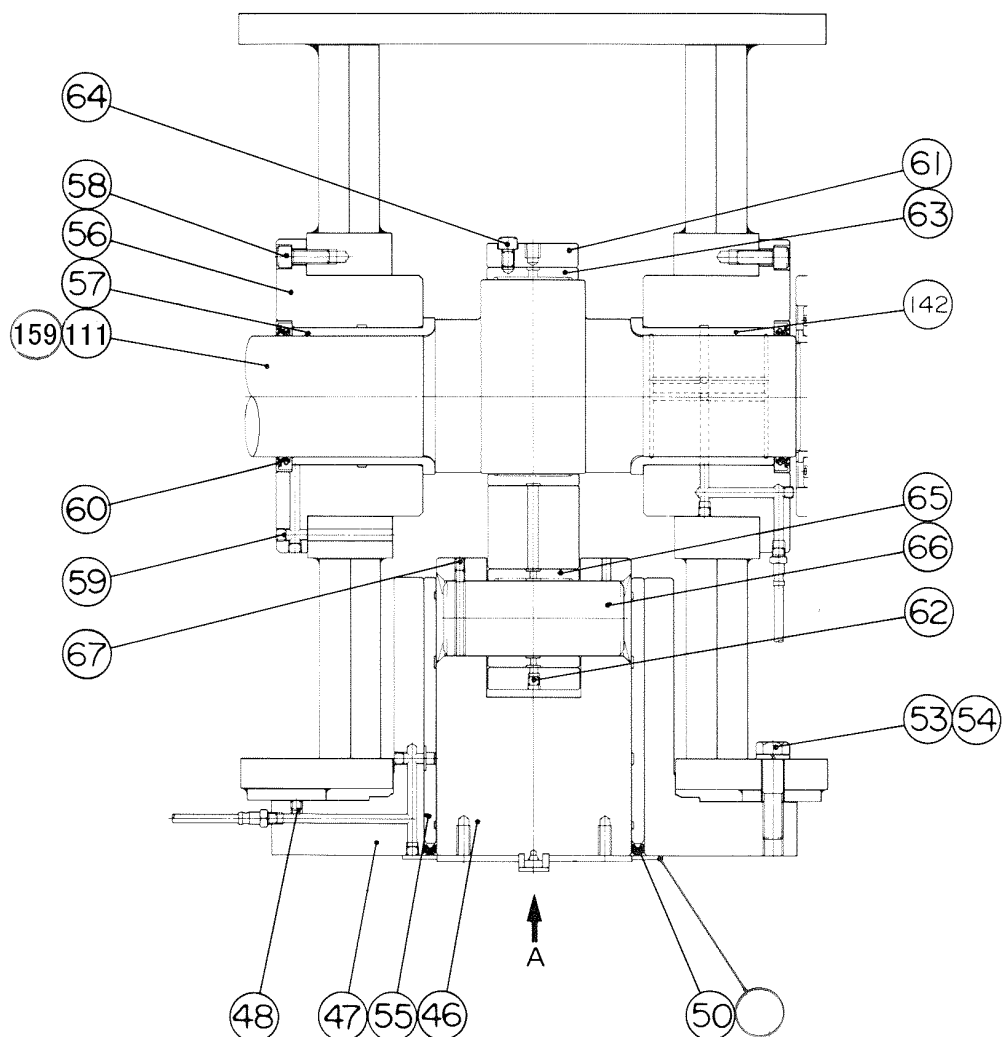
Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
111	74327727	Eccentric shaft	811181	1	~ P2440426
112	74327736	Bearing spacer (A)	6013940	1	
113	74328313	Ball bearing	#6018ZZ	2	
114	74327737	Bearing spacer (B)	6013942b	1	
115	74328413 (74159602)	Oil seal	SB- ϕ 100 x ϕ 125 x 13 ^b	1	
116	74327745	Spacer (A)	6013941	1	
117	74328403 (10310403)	O-ring	G85	1	
118	74327752	Bearing retainer	6013938a	1	
119	74354518	Cap screw	M10 x 20 (unbrako)	12	
121	74328002	Flywheel	811182	1	
122	74327619	Clutch and brake ass'y	6013700b	1	a: P2440278 ~ b: P2440427 ~
123	74327717	Eccentric shaft key	6013857	1	~ P2440426
124	74354521	Cap screw	M16 x 45 (unbrako)	12	
125	74328404	O-ring	G-270	1	
126	74328414	Oil seal	SB- ϕ 290 x ϕ 330 x 18 ^b	1	
127	74327623	Clutch and brake case	6013721	1	
128	74327522	Packing (A)	6013950	1	
129	74328505 (10465810)	Plug	PT 1"	1	Q'ty 2 → 1; P2440290 ~
130	74354519	Cap screw	M10 x 50 (unbrako)	12	
131	74354420 (74304946)	Cap screw	M10 x 25 (unbrako)	12	
132	74327746	Spacer (B)	6013943	1	
133	74327766	Lock nut	6013937	1	
134	74353708	Set screw (flat end)	MF8 x 1	4	
135	74327756	Seal holder	6013939b	1	b: July '88 ~
136	74327523	Packing (B)	6013951a	1	
137	74304904	Cap screw	M6 x 30	6	~ July '88
138	74328413 (74159602)	Oil seal	SB- ϕ 100 x ϕ 125 x 13 ^b	1	
139	74327757	Swivel holder	6013936	1	
140	74328405	O-ring	S-55	1	
141	74327761	Swivel joint	7931054	1	
150	74328407 (73157223)	O-ring	G-145	1	
152	74328509 (10329411)	Bushing	PT 1" x 1/2"	1	P2440290 ~
153	74327636 (74301147)	Check valve ass'y	821230	1	P2440290 ~
154	74327638 (74301139)	Valve body	821231	1	P2440290 ~
155	74327640 (74301143)	Spring guide	821232	1	P2440290 ~
156	74327641 (74301147)	Spring	821233	1	P2440290 ~
157	74327645 (61169601)	Steel ball	1/2"	1	P2440290 ~
158	74327647 (74301624)	Snap ring	RTW-14	1	P2440290 ~
159	74327728	Eccentric shaft	811181b	1	P2440427 ~
160	74327718 (74301328)	Eccentric shaft key	6013857a	1	P2440427 ~

Unit No. 02

Drive

From serial No. P2440202 and after.

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ARROW "A"

Unit No. 02

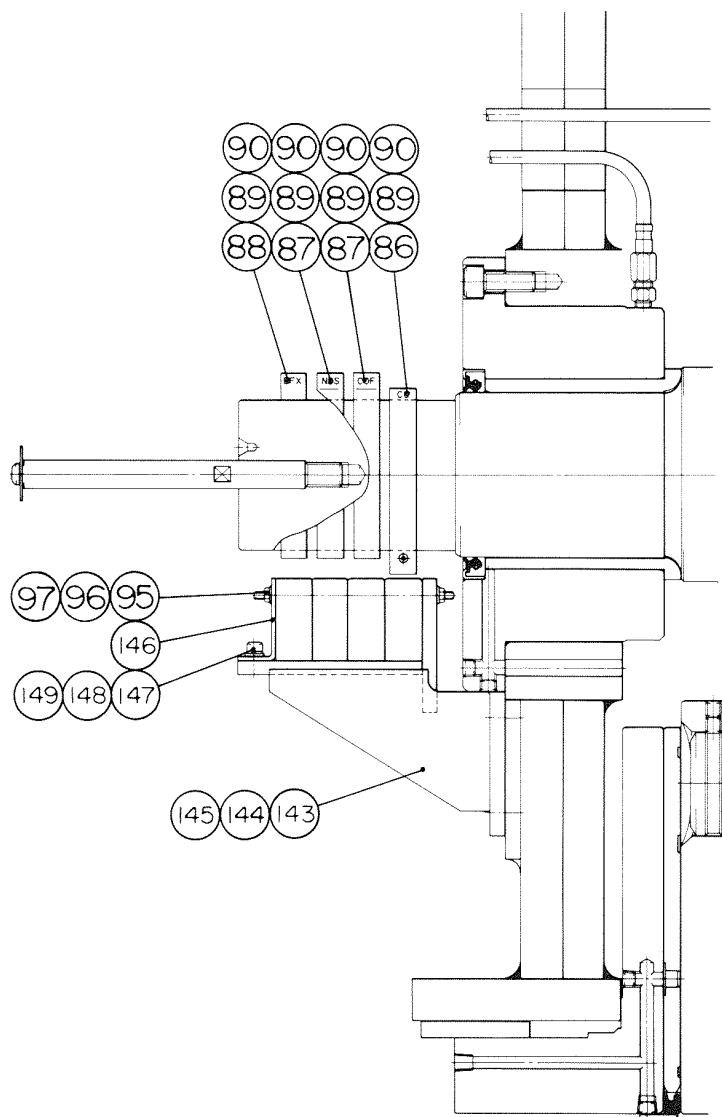
Drive

From serial No. P2440202 and after.

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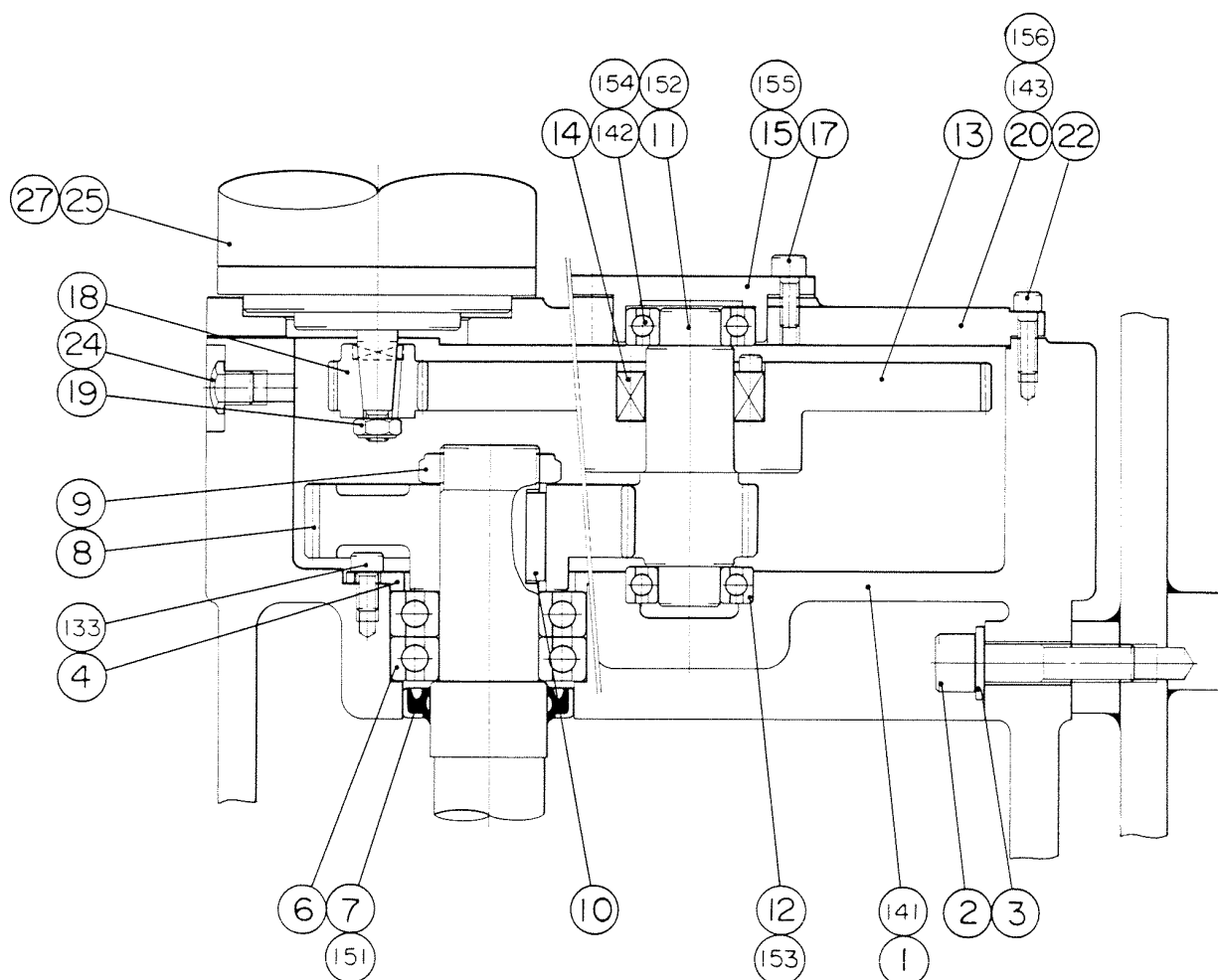
Unit No. 02
Drive

From serial No. P2440202 and after.



Drive

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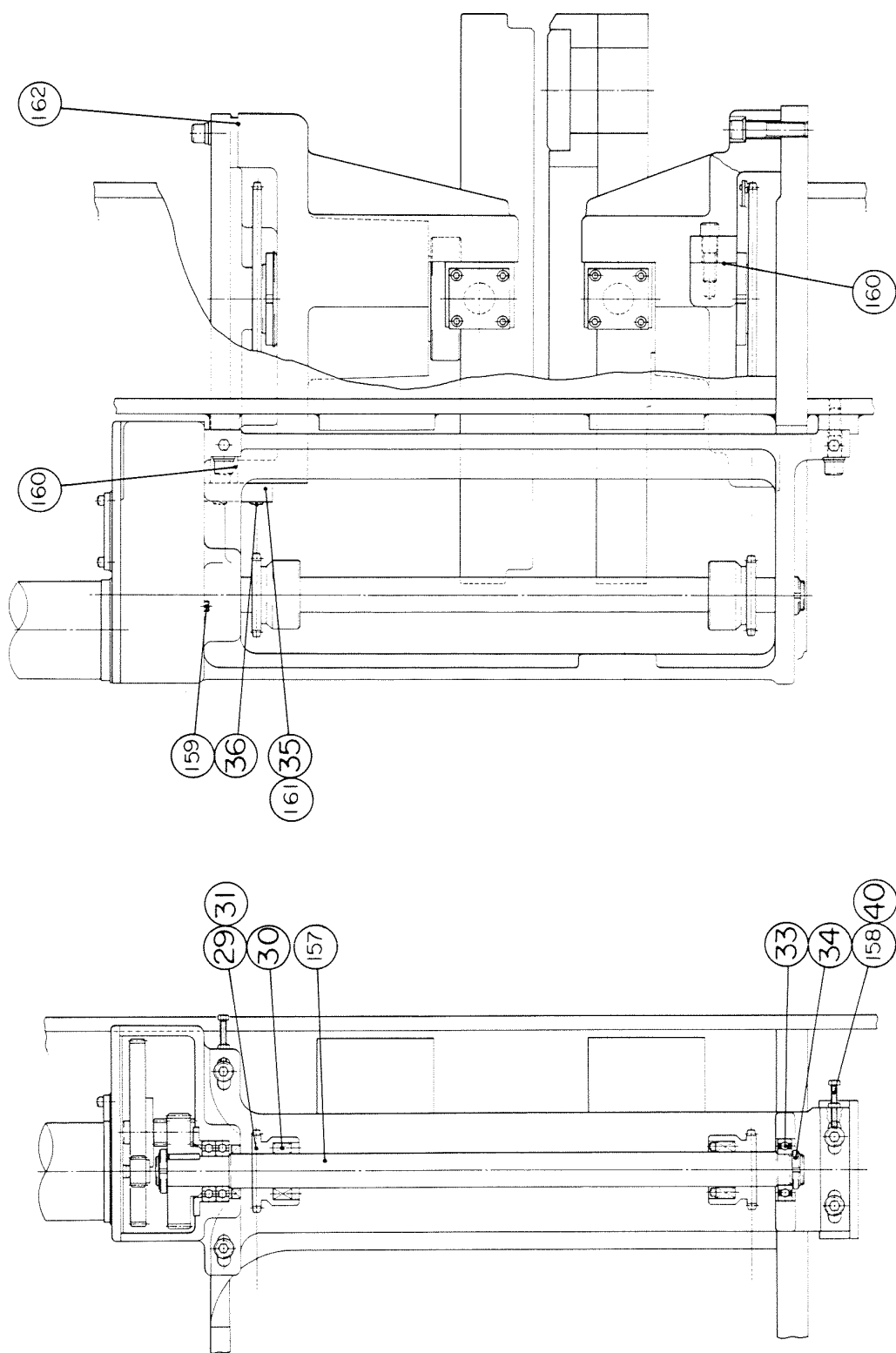


Unit No. 03

Turret

From serial No. P2440198, 200, 230, 231, 233 ~

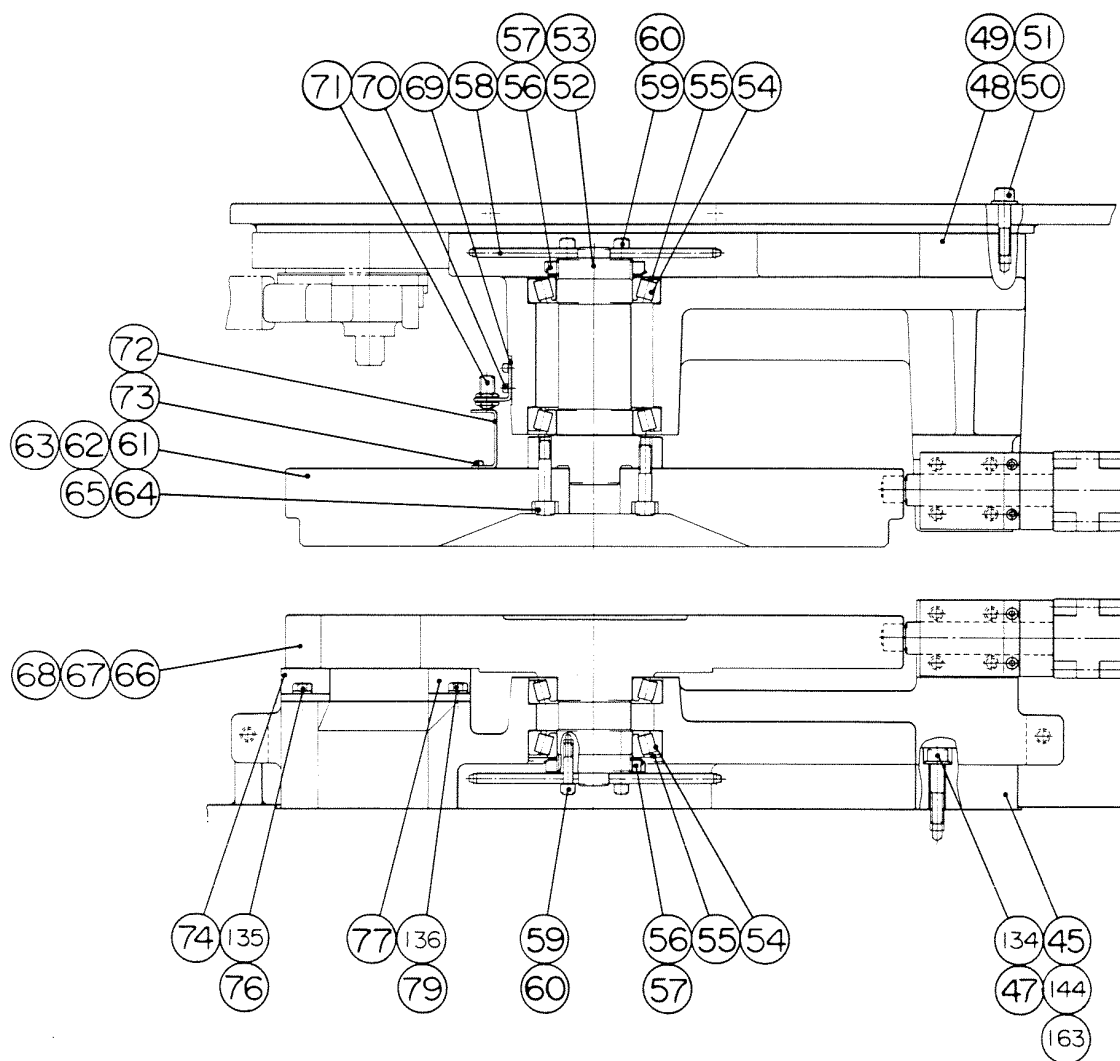
Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
1	74329601	T-axis gear box	811953f	1	P2440325 ~
2	74354508 (36320914)	Cap screw	M16 x 70	4	
3	74353506 (74314206)	Washer	M16	4	
4	74330129	Bearing retainer (A)	811965a	1	
6	74330602 (21207313)	Ball bearing	#6208	2	
7	74330625	Oil seal	AC7291A0	1	~ P2440324
8	74324801	Driven gear	811967b	1	b: P2440325 ~
9	74330701	Fine U-nut	AN08	1	
10	74330511	Key	12 x 8 x 40	1	
11	74329627	Shaft	811968b	1	~ P2440339
12	74330601 (10205322)	Ball bearing	#6205	1	~ P2440339
13	74329806	Middle gear	811969b	1	
14	74330906	Spann ring	RfN7012 $\phi 35 \times 60$	1	
15	74330130	Bearing retainer (B)	811970a	1	~ P2440339
17	74354402 (44235241)	Cap screw	M8 x 20	4	
18	74329811	Drive gear	811972a	1	
19	74330711	U-nut	M10 x 1.25	1	
20	74329706	Cover	811973b	1	~ P2440324
22	74354404 (21415514)	Cap screw	M8 x 25	8	
24	74330730	Oil level gauge	N-1	1	
25	74330501	D.C. servo motor	5M	1	
27	74354404 (21415514)	Cap screw	M8 x 25	4	
133	74354334 (73157630)	Cap screw	M8 x 15	4	
141	74329602	T-axis gear box	811953e	1	~ P2440324
142	74330604 (75171406)	Ball bearing	#6205ZZ	1	~ P2440339
143	74329728	Plug	811997	1	
151	74330626	Oil seal	AC2676E0	1	P2440325 ~
152	74329628	Shaft	811968c	1	P2440340 ~
153	74330605 (11130320)	Ball bearing	#6203	1	P2440340 ~
154	74330606 (54117930)	Ball bearing	#6203ZZ	1	P2440340 ~
155	74330132	Bearing retainer (B)	811970b	1	P2440340 ~
156	74329707	Cover	811973c	1	P2440325 ~



Turret

From serial No. P2440202 and after

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Unit No. 03

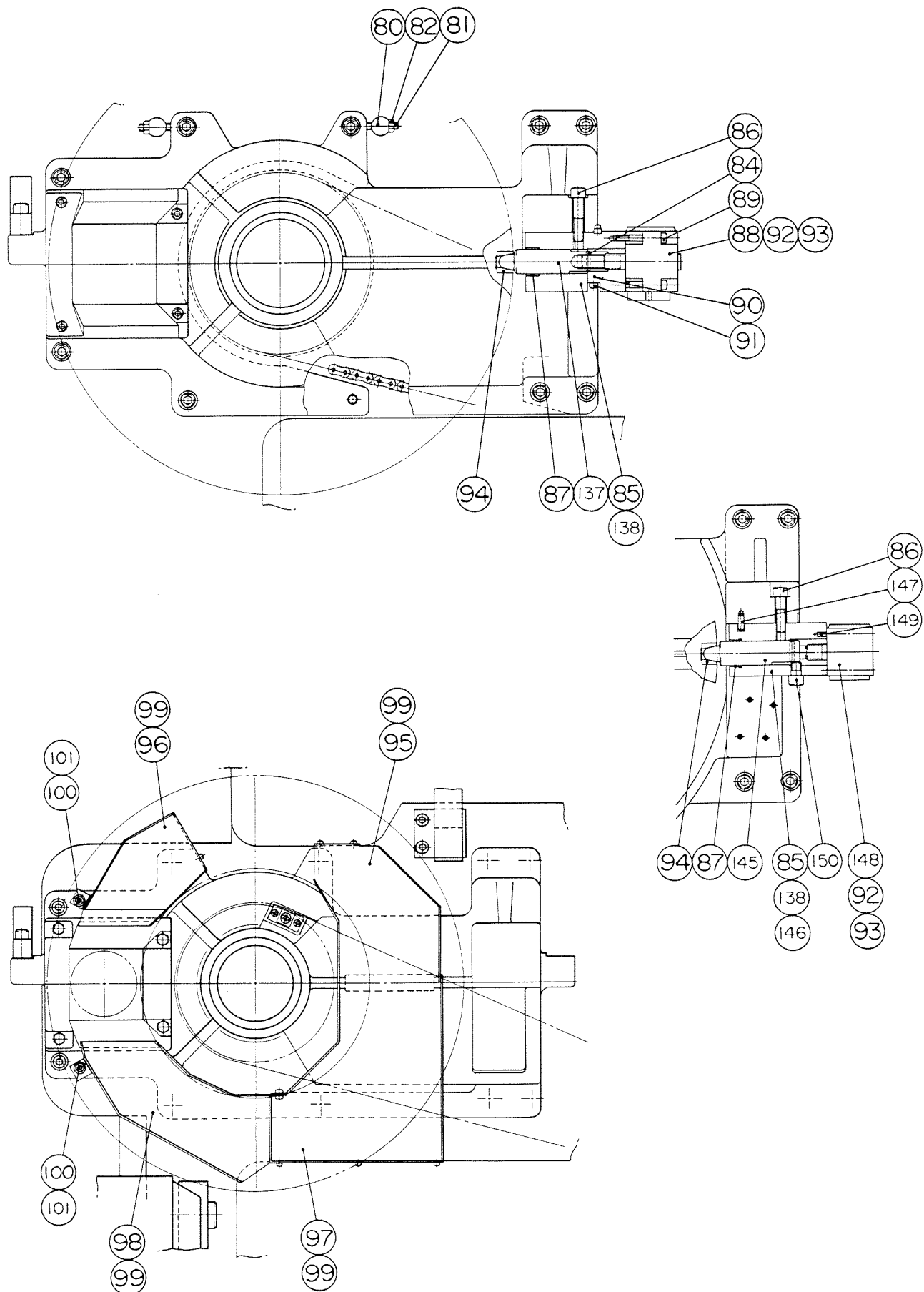
Turret

From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
45	74330231	Lower base	812166	1	~ P2440253
47	74353506 (74314206)	Washer	M16	12	
48	74330222	Upper base (thick)	812165	1	
49	74330221	Upper base (thin)	812125	1	
50	74354508 (36320914)	Cap screw	M16 x 70	8	
51	74353506 (74314206)	Washer	M16	8	
52	74329612	Bearing shaft (thick)	811957b	1	b: Jan. '88 ~
53	74329613	Bearing shaft (thin)	812123a	1	a: Jan. '88 ~
54	74330615	Roller bearing	HR30218J-P5	4	
55	74329701	Grease cover	811958	3	
56	74330706 (74169627)	Crown nut	AN18	2	
57	74330716 (74159626)	Crown washer	AW18	2	
58	74329711	Driven sprocket	811960	2	
59	74354431 (74304917)	Cap screw	M12 x 40	10	
60	74329401	Reamer bolt	1230243a	2	
61	74329503	Upper turret disk (36st) (thick)	812247b	1	b: Aug. '87 ~
62	74329501	Upper turret disk (30st) (thick)	811951f	1	d: Mar. '87 ~ f: Aug. '87 ~
63	74329502	Upper turret disk (22st) (thin)	812120a	1	a: Mar. '87 ~
64	74354508	Cap screw	M16 x 70	5	
65	74329402	Reamer bolt	811979	1	
66	74329518	Lower turret disk (36st) (thick)	812248	1	
67	74329516	Lower turret disk (30st) (thick)	811952c	1	c: Mar. '87 ~
68	74329517	Lower turret disk (22st) (thin)	812121a	1	a: Mar. '87 ~
69	74330312	Bracket	811995	1	
70	74354402 (44235241)	Cap screw	M8 x 20	2	
71	74330726	Proximity switch	FL1-5D6	1	
72	74330116	Dog (origin)	811996a	1	
73	74354318 (74302813)	Cap screw	M6 x 12	2	
74	74330121	Disk shim (A)	812001a	1	
76	74353605 (44028619)	Spring washer	M12	2	
77	74330122	Disk shim (B)	812004a	1	
79	74353605 (44028619)	Spring washer	M12	2	
134	74354508 (36320914)	Cap screw	M16 x 70	12	
135	74354006	Bolt	M12 x 25 (high tension)	2	
136	74354006	Bolt	M12 x 25 (high tension)	2	
144	74330232	Lower base	812251a	1	P2440254 ~ 264
163	74330233	Lower base	812251b	1	P2440265 ~

Unit No. 03
Turret

From serial No. P2440202 and after.



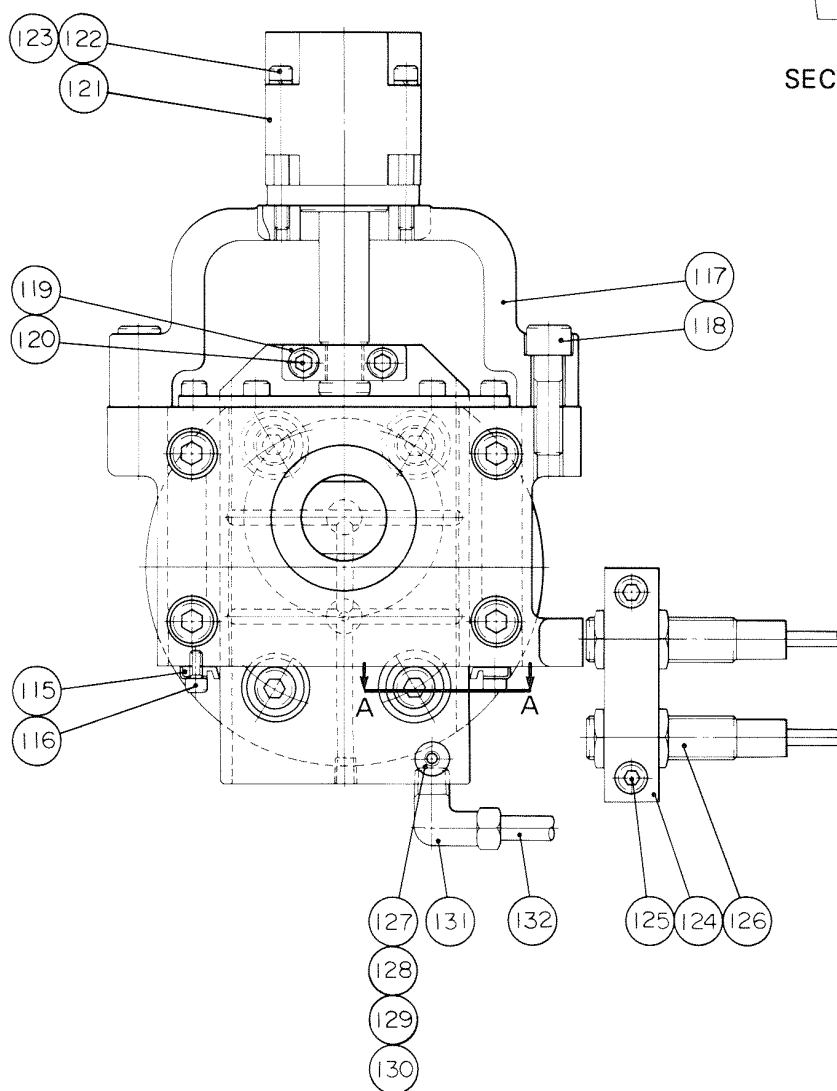
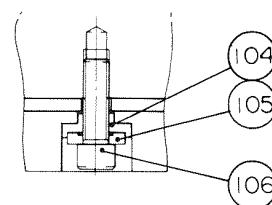
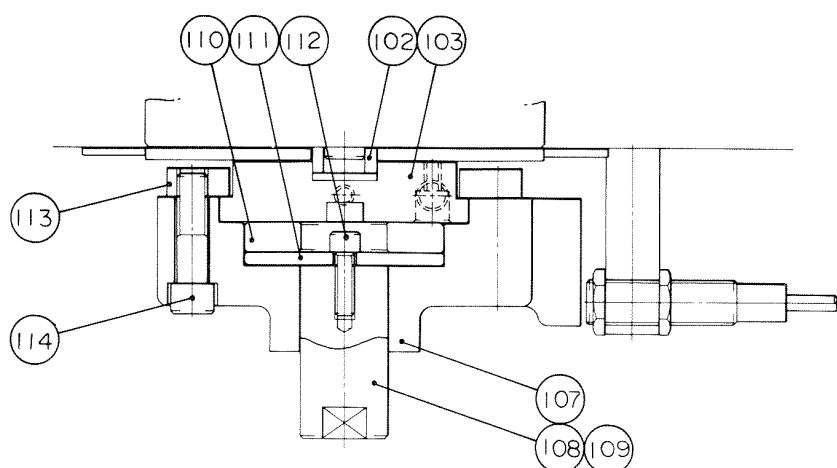
Turret

From serial No. P2440202 and after.

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Unit No. 03
Turret - striker

From serial No. P2440202 and after.



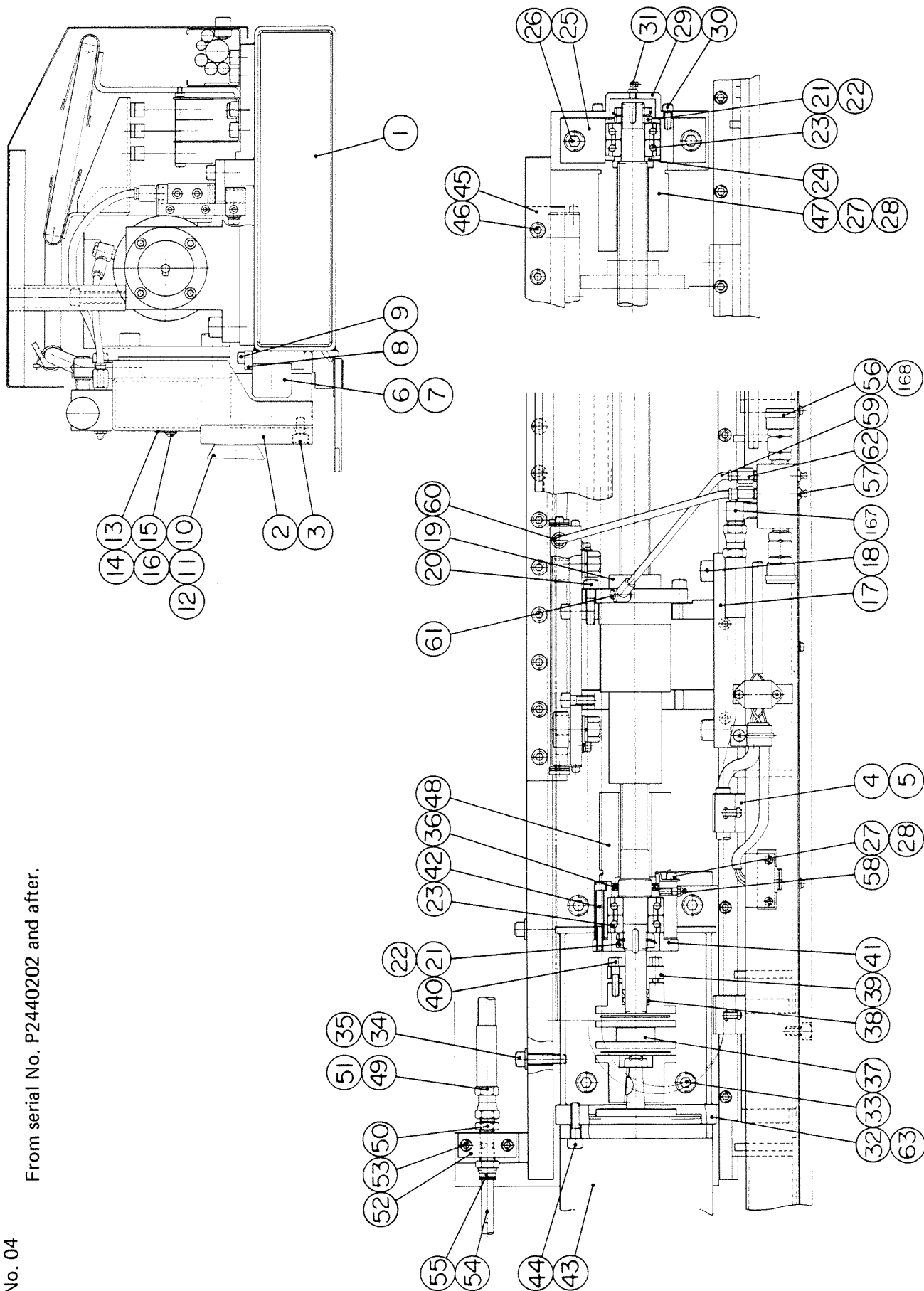
Turret-striker

From serial No. P2440202 and after.

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Unit No. 04
Slide

From serial No. P2440202 and after.



Unit No. 04

Slide

From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
1	74331926	Carriage base	813490e	1	
2	74331921	Carriage	813486f	1	f: Aug. '88 ~
3	74354401	Cap screw	M8 x 16 (unbrako)	8	
4	74332301	Hose bracket	813487	2	
5	74354334 (73157630)	Cap screw	M8 x 15	4	
6	74331601	X-axis guide	7932102	1	
7	74354406 (74304942)	Cap screw	M8 x 30 (unbrako)	24	
8	74331831	Plate	813555	2	
9	74354319 (74300604)	Cap screw	M6 x 15	22	
10	74331801	Guide plate	813442	1	
11	74354402 (44235241)	Cap screw	M8 x 20	7	
12	74331501	Reamer bolt	7034170	2	
13	74331716	Scale (mm)	813132a	1	a: P2440365 ~
14	74331717	Scale (inch)	813137a	1	a: P2440365 ~
15	74355401	Button head socket screw	M4 x 12	6	
16	74353502 (74300510)	Washer	M4	6	
17	74331930	X-axis nut holder	813492d	1	
18	74354427 (44028616)	Cap screw	M12 x 30	4	
19	74331511	Ball screw	7932100	2	
20	74354406 (74304942)	Cap screw	M8 x 30 (unbrako)	16	
21	74332627 (58135316)	Crown nut	AN-04	8	
22	74332631 (44554105)	Crown washer	AW-04	4	
23	74332701	Ball bearing set	20TAC47DB	2 set	
24	74331901	Bearing retainer	813454	2	
25	74331731	Bearing housing	813474	2	
26	74354428	Cap screw	M12 x 30 (unbrako)	2	
27	74331911	Retainer	813456a	16	
28	74354320 (74307602)	Cap screw	M6 x 16	16	
29	74332117	Bearing cap	813543	2	
30	74354319 (74300604)	Cap screw	M6 x 15	8	
31	74332528	Grease nipple	C-M6 x P1	1	
32	74332331	Motor bracket	813544d	2	d: July '88 ~
33	74354427 (44028616)	Cap screw	M12 x 30	8	
34	74354407 (38020507)	Cap screw	M8 x 35	2	
35	74353504 (74300511)	Washer	M8	2	
36	74332622	Oil seal	AF1535G0	2	
37	74332122	Coupling	813545a	2	
38	74332426	Spann ring	RfN8006 $\phi 18 \times \phi 22$	2	
39	74331726	Flange	813444	2	
40	74331506	Bolt	813445	8	

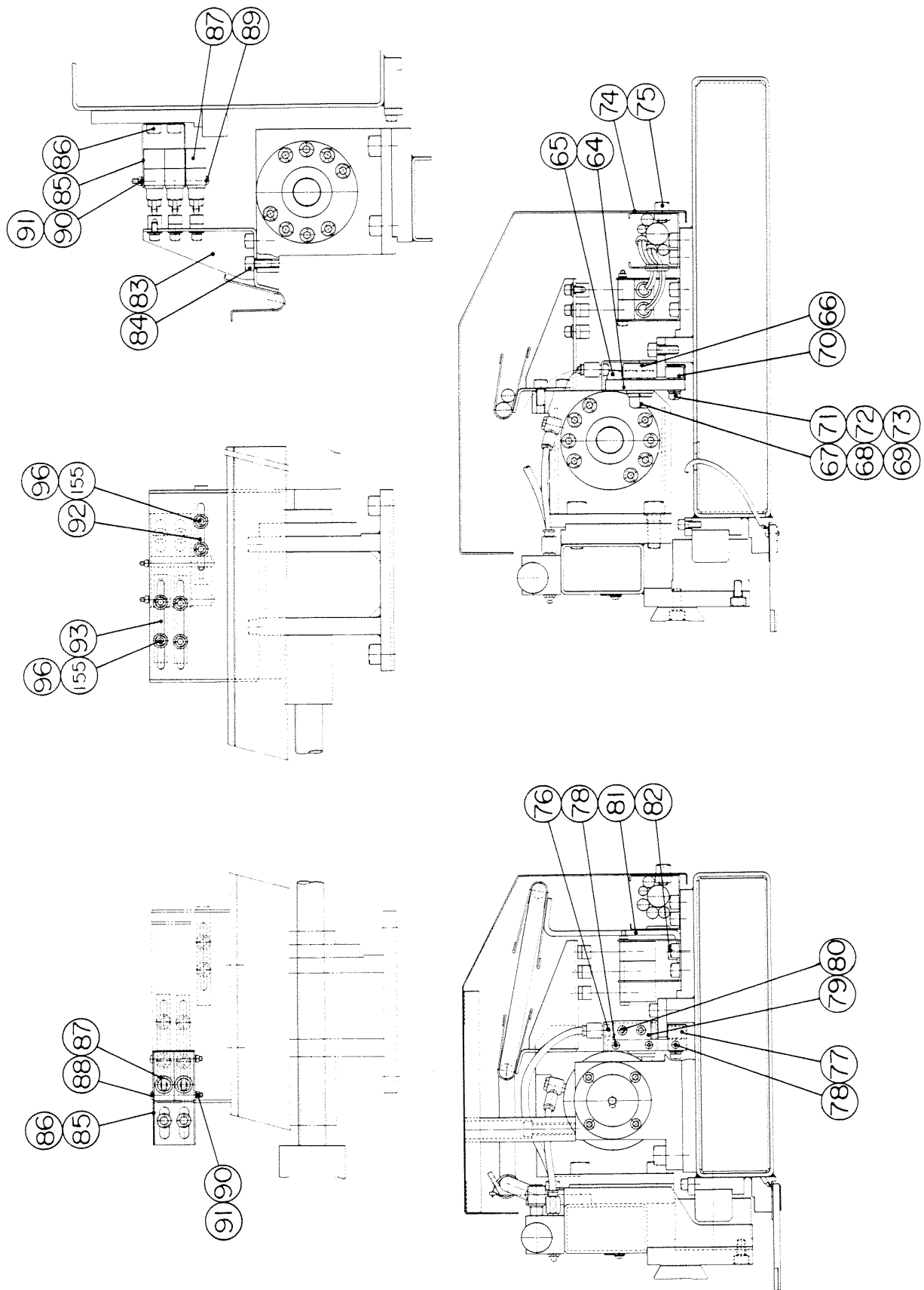
Slide

From serial No. P2440202 and after.

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Unit No. 04
Slide

From serial No. P2440202 and after.

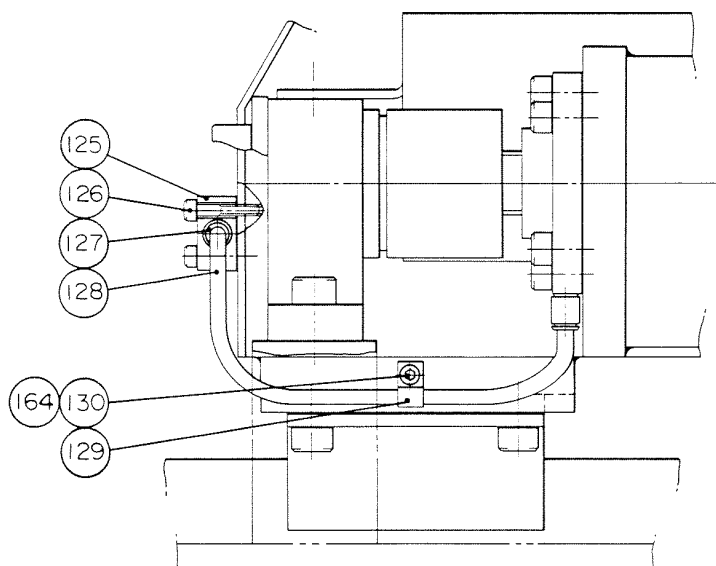
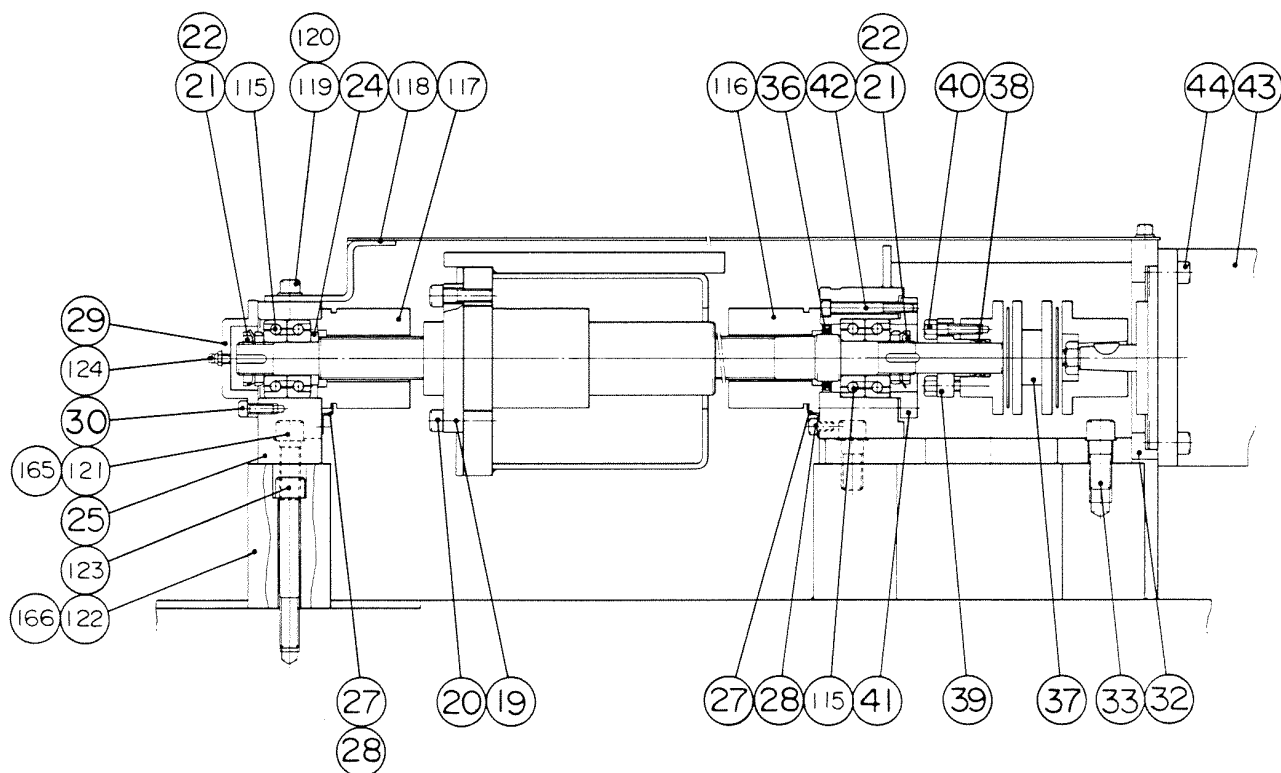


Unit No. 04

Slide

From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
64	74332312	Roller bracket	813524	1	
65	74354403 (74302842)	Cap screw	M8 x 20 (unbrako)	6	
66	74332613	Roller cam	CFH12UU-A	2	
67	74353411 (44027319)	Nut	M12	2	
68	74353505 (44028618)	Washer	M12	2	
69	74353605 (44028619)	Spring washer	M12	2	
70	74332612	Roller cam	CF6UU	4	
71	74353406 (10310352)	Nut	M6	4	
72	74353503 (44027930)	Washer	M6	4	
73	74353604 (44027928)	Spring washer	M6	4	
74	74331631	Cable guide	813508c	1	
75	74354334 (73157630)	Cap screw	M8 x 15	6	
76	74331402	Roller cover (A)	813526	1	
77	74331401	Roller cover (B)	813525	1	
78	74354310 (74302810)	Cap screw	M5 x 10	6	
79	74332001	Wiper	813496a	2	
80	74354310 (74302810)	Cap screw	M5 x 10	4	
81	74331627	Fixed hose guide	813499b	1	
82	74354334 (73157630)	Cap screw	M8 x 15	2	
83	74331622	Movable hose guide	813498e	1	e: June '88 ~
84	74354334 (73157630)	Cap screw	M8 x 15	4	
85	74332317	X-axis L.S. bracket	813507a	2	
86	74354334 (73157630)	Cap screw	M8 x 15	4	
87	74332707 (36180620)	Limit switch	SL1-A	5	
88	74355812	Pan head machine screw	M4 x 45	2	
89	74355813	Pan head machine screw	M4 x 65	2	
90	74353404	Nut	M4 (type 1)	4	
91	74353602 (44027327)	Spring washer	M4	4	
92	74331702	Dog (origin)	813509	2	
93	74331703	Dog A	808515b	6	
96	74353503 (44027930)	Washer	M6	18	
155	74354317 (74302812)	Cap screw	M6 x 10	12	



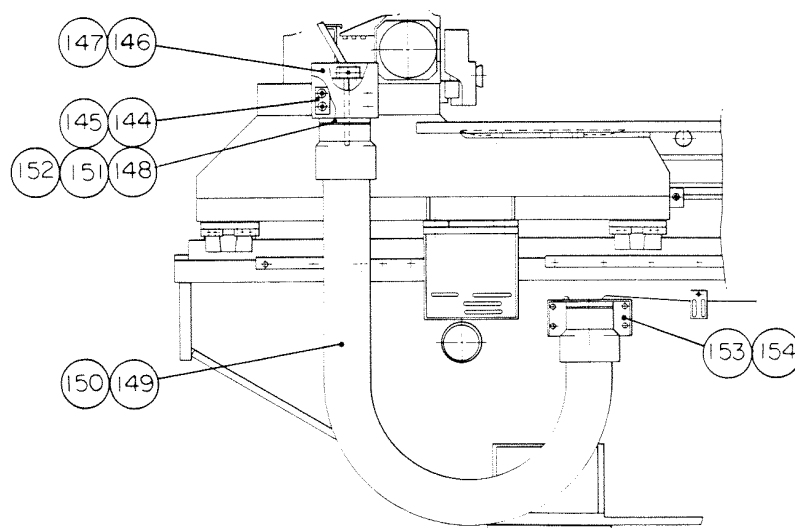
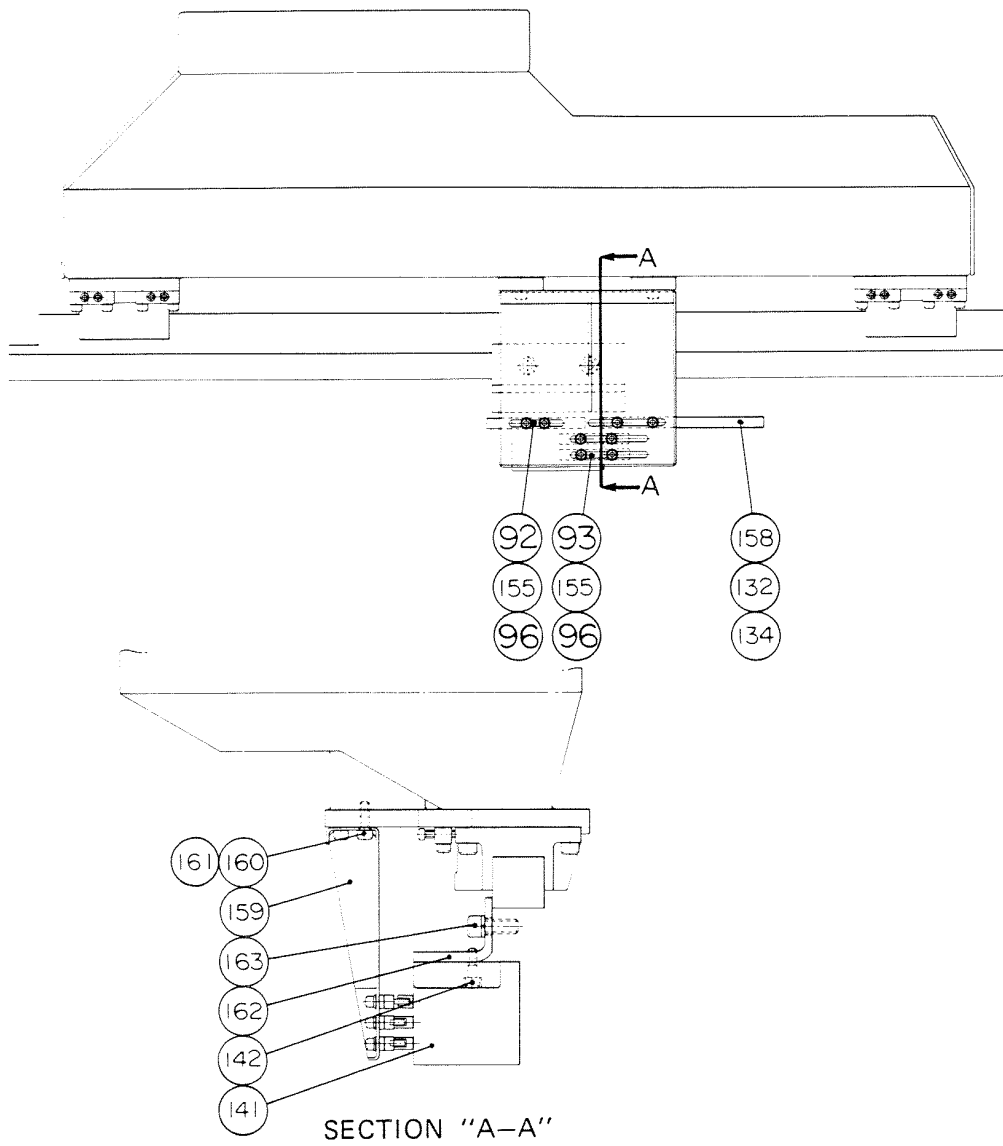
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From serial No. P2440202 and after.

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Unit No. 04
Slide

From serial No. P2440202 and after.

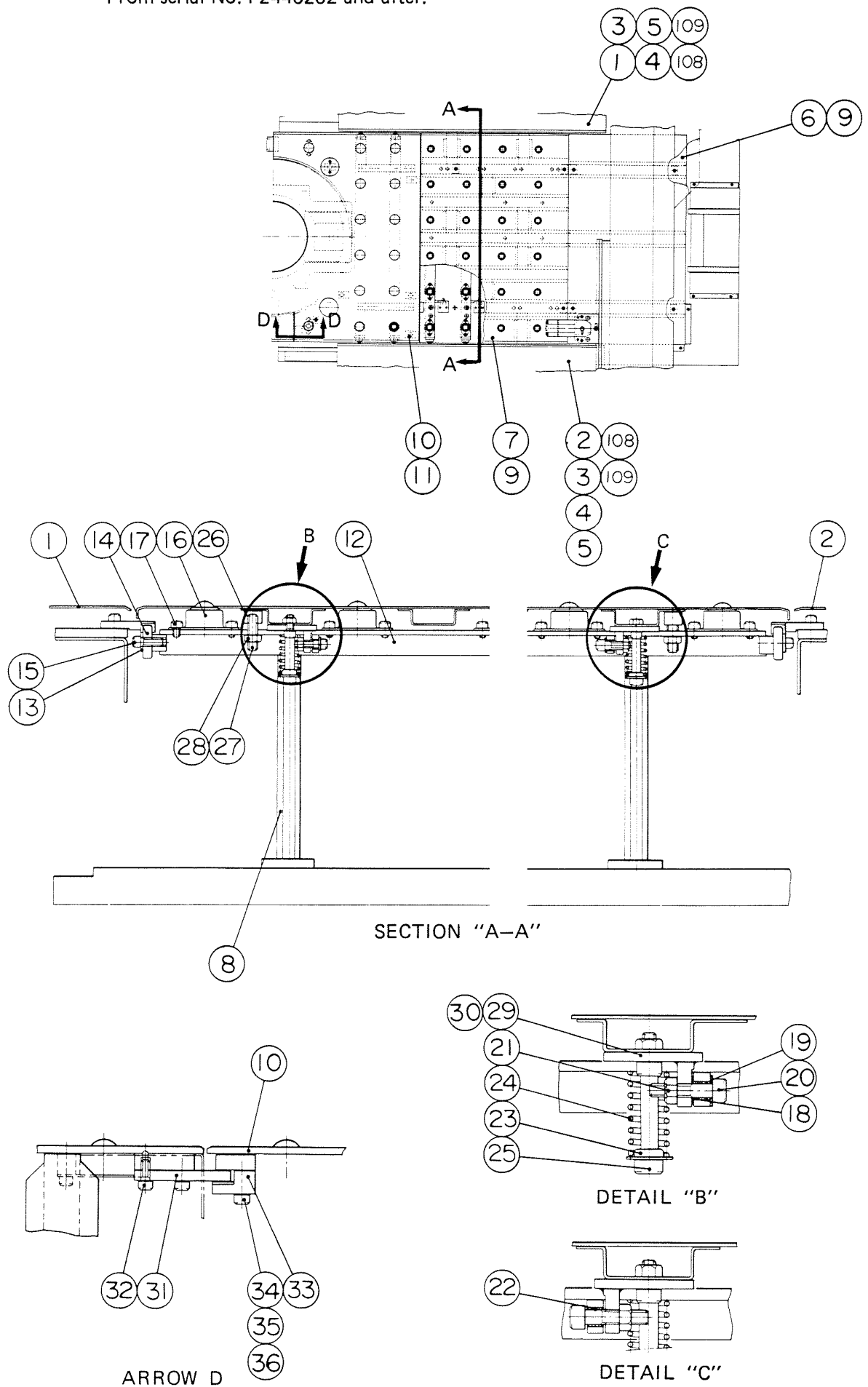


Unit No. 04

Slide

From serial No. P2440202 and after.

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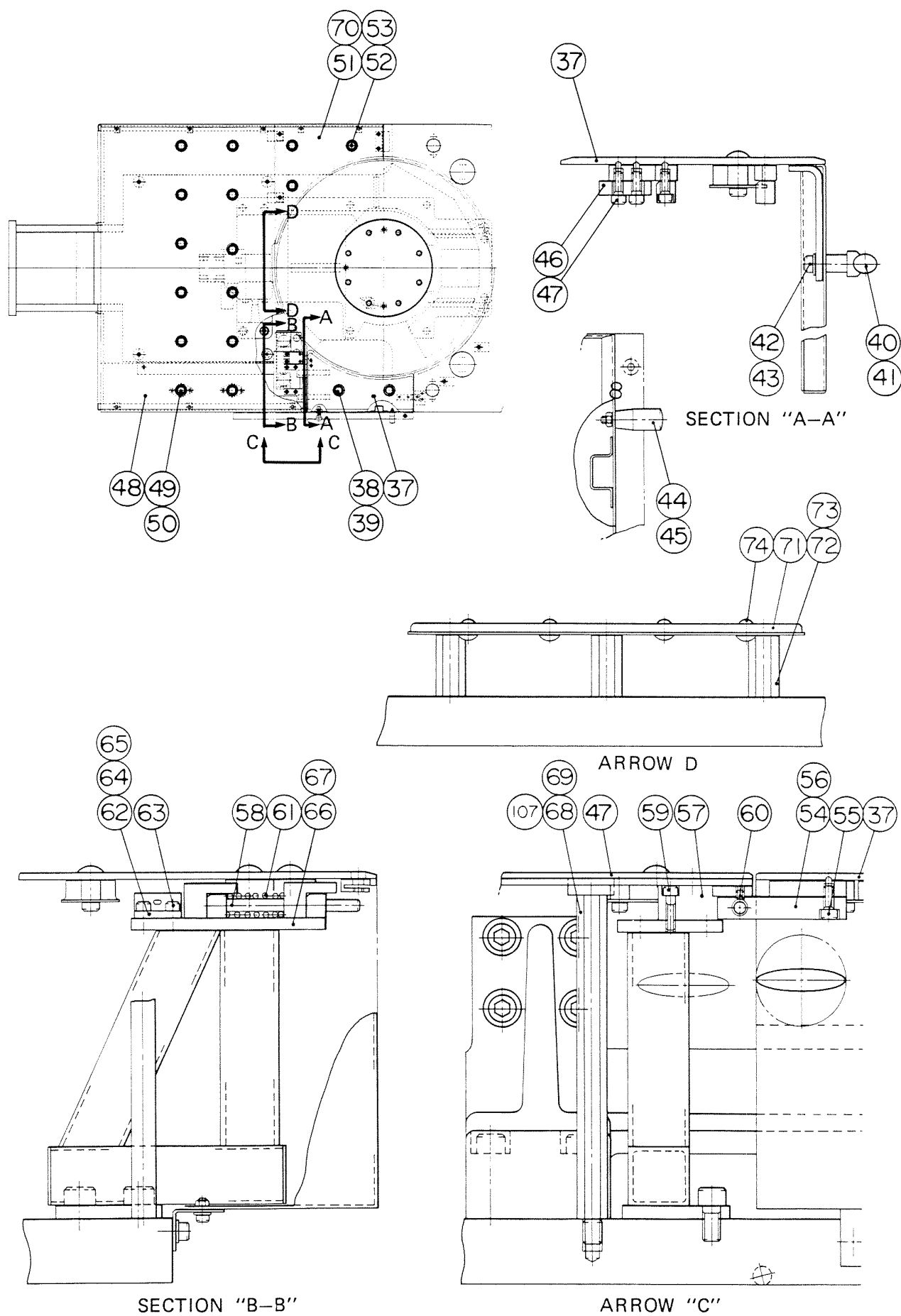


Unit No. 05

Table

From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
1	74333606	Front side table	813529c	1	c: July '88 ~
2	74333601	Rear side table	813518c	1	c: July '88 ~
3	74354333	Cap screw	M8 x 14	12	~ July '88
4	74334326 (74161611)	Free stroke bearing	C-8Y-A	30	
5	74354333	Cap screw	M8 x 14	60	
6	74333611	Center table (A)	813531b	1	
7	74333612	Center table (B)	813534	1	
8	74333817	Stud	813520	14	
9	74354402 (44235241)	Cap screw	M8 x 20	8	
10	74333701	C.C. table	813659	1	
11	74354402 (44235241)	Cap screw	M8 x 20	6	
12	74333511	Free stroke bearing guide (A)	813533a	6	
13	74333506	Roller guide	813523	12	
14	74333812	Roller	813519	12	
15	74354405 (74302818)	Cap screw	M8 x 30	12	
16	74334326 (74161611)	Free stroke bearing	C-8Y-A	36	
17	74354330 (36329937)	Cap screw	M8 x 10	72	
18	74334303 (74314921)	Oilless metal bushing	MB0808-15FDU	6	
19	74334321 (56127502)	Oilless metal washer	WC06DUN	6	
20	74354405 (74302818)	Cap screw	M8 x 30	12	
21	74353407 (10001517)	Nut	M8	12	
22	74334302 (55125127)	Oilless metal bushing	MB0808DU	6	
23	74333912	Spring collar	830399	12	
24	74333416	F.B. guide spring	813163	12	
25	74334411	Stripper bolt	MSB10-60	12	
26	74334026 (71103201)	Cushion	823072	12	
27	74353706	Set screw (flat end)	M10 x 40	12	
28	74353410 (10001516)	Nut	M10	12	
29	74334021	F.B. guide hinge	819223a	12	
30	74354334 (73157630)	Cap screw	M8 x 15	24	
31	74333922	Stopper	813562a	1	
32	74354402 (44235241)	Cap screw	M8 x 20	2	
33	74333928	Support block	813563b	1	b: Feb. '88 ~
34	74354405 (74302818)	Cap screw	M8 x 30	2	
35	74334330 (74315024)	Ball plunger	BP-8H	1	
36	74353409 (36329932)	Nut	M8 (type 3)	1	
108	74354402 (44235241)	Cap screw	M8 x 20	12	July '88 ~
109	74333608 (74314204)	Washer	827367	12	July '88 ~



Unit No. 05

Table

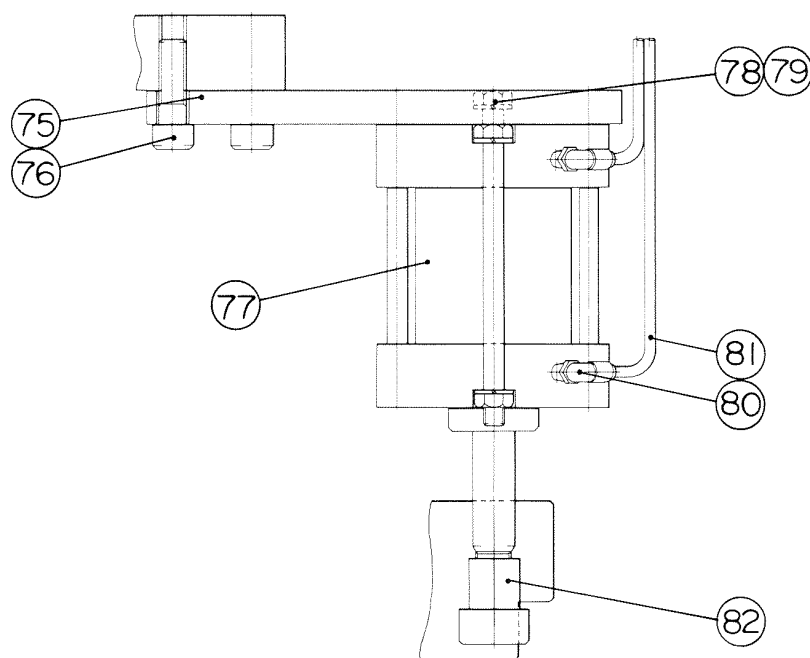
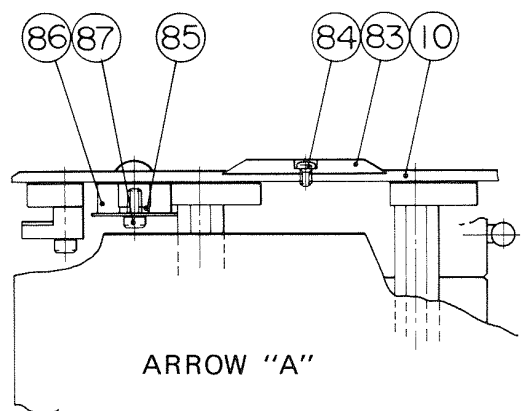
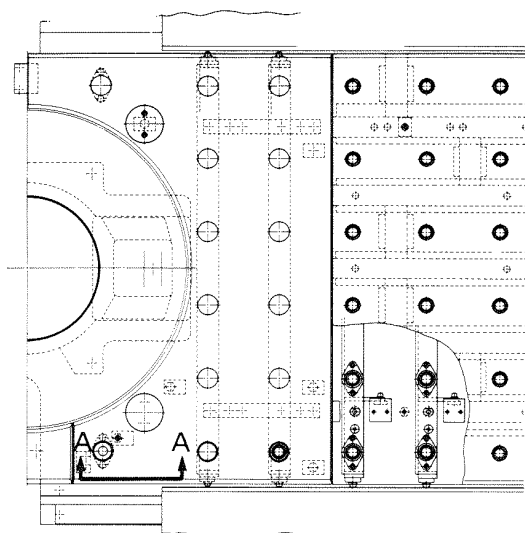
From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
37	74333621	Tool change table	813561a	1	
38	74334326 (74161611)	Free stroke bearing	C-8Y-A	2	
39	74354330 (36329937)	Cap screw	M8 x 10	4	
40	74334106	Handle	830436	1	
41	74333902	Collar	830419	1	
42	74354402 (44235241)	Cap screw	M8 x 20	1	
43	74353504 (74300511)	Washer	M8	1	
44	74334417	Knob	RG-40	1	
45	74353415	Nut	M6 (type 3)	1	
46	74334001	L.S. dog	813564	1	
47	74354402 (44235241)	Cap screw	M8 x 20	2	
48	74333626	C.L. table (1)	813573a	1	
49	74334326 (74161611)	Free stroke bearing	C-8Y-A	14	
50	74354330 (36329937)	Cap screw	M8 x 10	28	
51	74333627	C.L. table (2)	813571a	1	
52	74334326 (74161611)	Free stroke bearing	C-8Y-A	3	
53	74354330 (36329937)	Cap screw	M8 x 10	6	
54	74334006	Table support	813565a	2	
55	74354402 (44235241)	Cap screw	M8 x 20	4	
56	74334303 (10314026)	Oilless metal bushing	MB1215DU	2	
57	74334016	Hinge	813566b	2	
58	74333526	Hinge pin	813567	1	
59	74354405 (74302818)	Cap screw	M8 x 30	4	
60	74353802 (10322120)	Set screw (cup end)	M6 x 8	2	
61	74334101	Spring	830413	1	
62	74333426	L.S. bracket	813568	1	
63	74354334 (73157630)	Cap screw	M8 x 15	2	
64	74334506	Limit switch	14CEZ-1J	1	
65	74354312 (10343101)	Cap screw	M5 x 14	2	
66	74334011	Hinge support	813658c	1	c: P2440265 ~
67	74354506 (59157426)	Cap screw	M16 x 30	2	
68	74333818	Stud	813527	4	~ P2440264
69	74354402 (44235241)	Cap screw	M8 x 20	4	
70	74354402 (44235241)	Cap screw	M8 x 20	4	
71	74333411	Table plate	812022	1	
72	74333819	Stud	813577	4	
73	74354330 (36329937)	Cap screw	M8 x 10	4	
74	74333406 (74312516)	Free stroke bearing	7932054	8	
107	74333817	Stud	813520	4	P2440265 ~

Unit No. 05

Table - repositioning

From serial No. P2440202 and after.



Unit No. 05

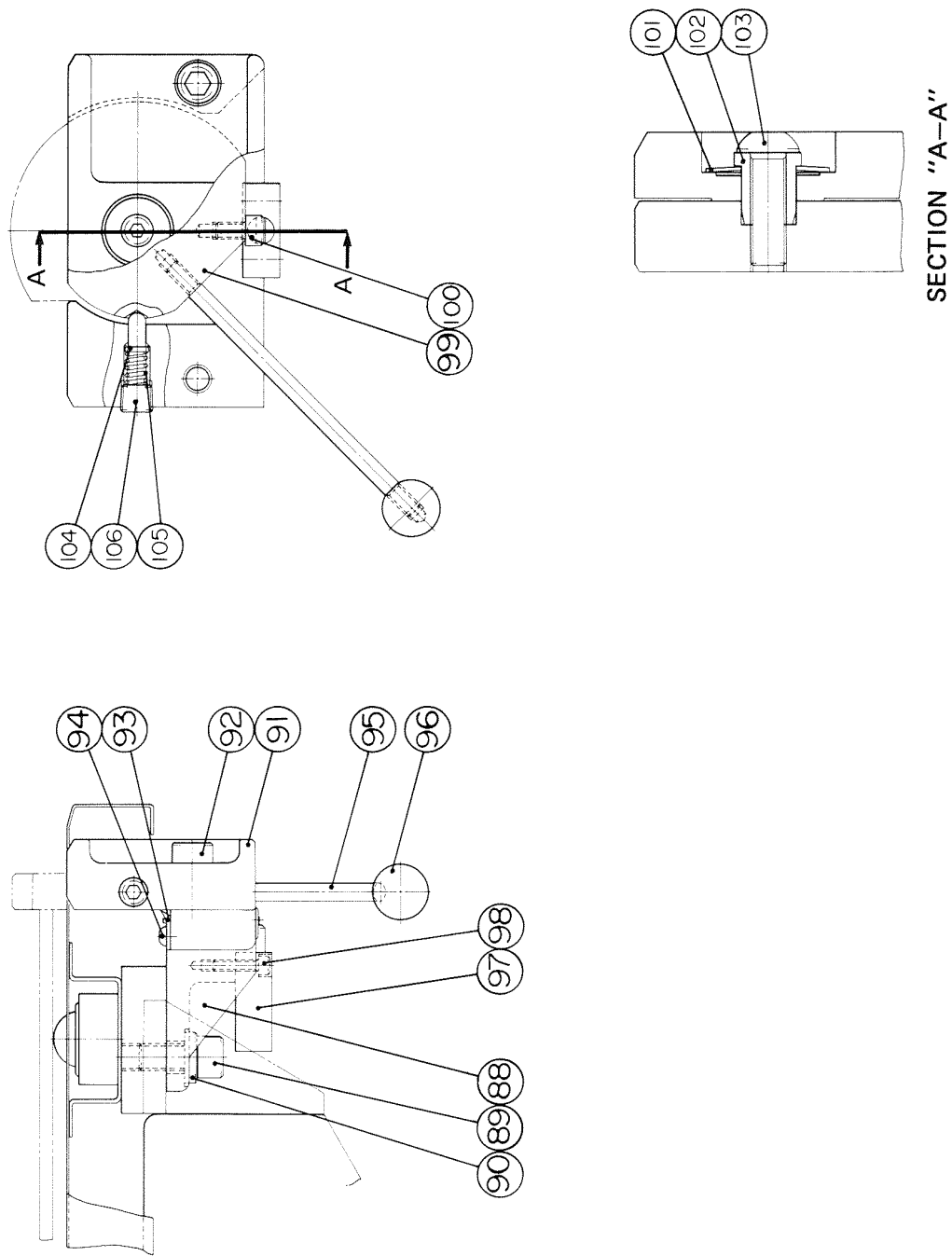
Table-repositioning

From serial No. P2440202 and after.

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Unit No. 05
Table - X-gauge block

From serial No. P2440202 and after.

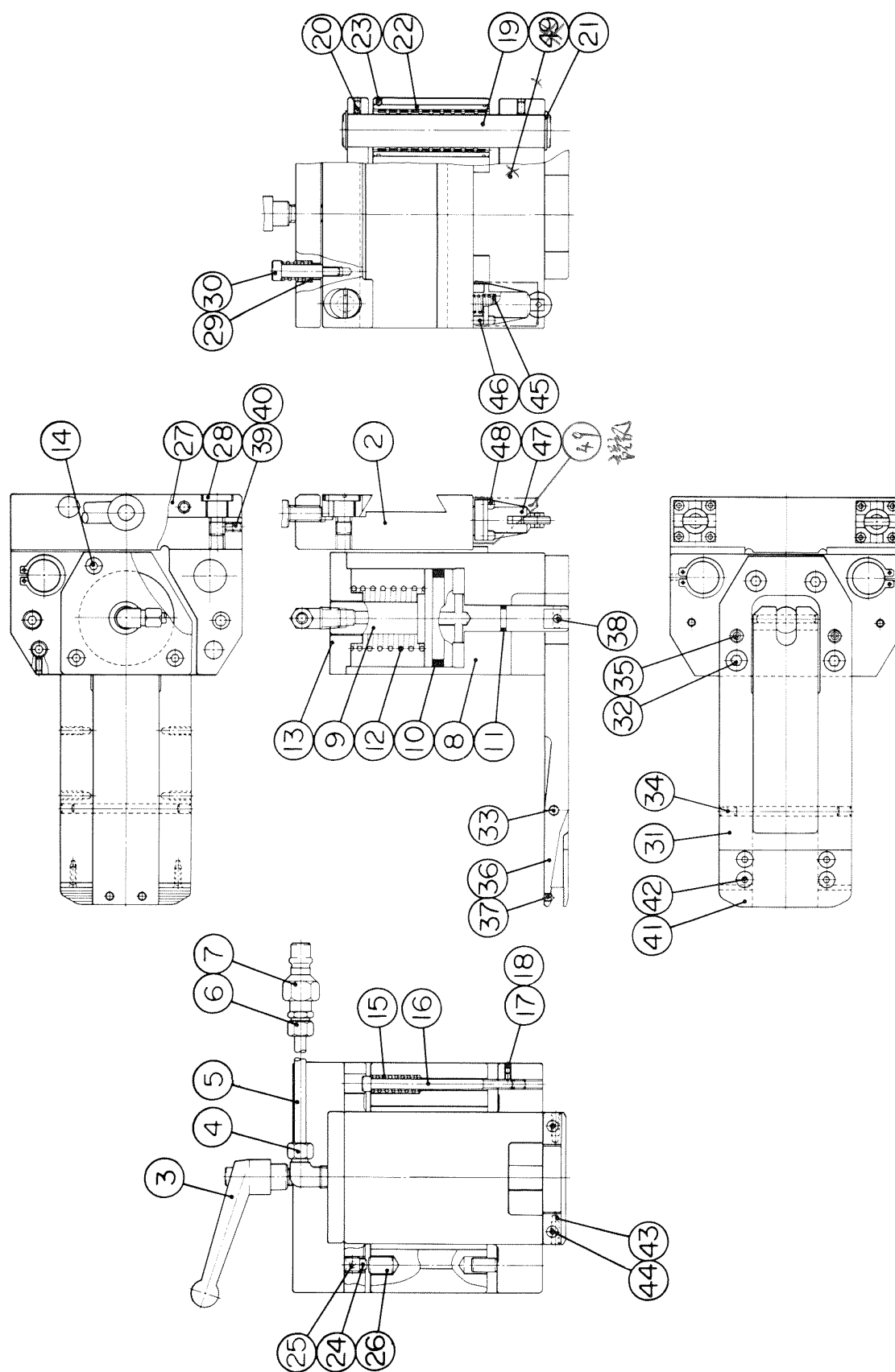


Unit No. 05

Table - X-gauge block

From serial No. P2440202 and after.

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Unit No. 06

Clamp

From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
1	74335801	Clamp ass'y	826180b	2	
2	74335806	Clamp housing	826181a	2	
3	74336221 (71105613)	Clamp lever	KR10 x 20	2	
4	74336211 (21104211)	Elbow	B-6 x 4-PT 1/4-BS	2	
5	74336123	Tube	30-06 (1M)	2	
6	74336206 (21104107)	Nipple	A-6 x 4-PT 1/4-BS	2	
7	74336201	Coupler	20PF (1/4)	2	
8	74335816	Cylinder	826183b	2	
9	74335821	Piston	826184b	2	
10	74336227 (10317120)	O-ring	P-50A	2	
11	74336226 (36110501)	O-ring	P-16	2	
12	74335606	Spring	806005	2	
13	74335901	Cylinder cap	826188	2	
14	74354319 (74300604)	Cap screw	M6 x 15	8	
15	74335601	Hanging spring	5033653	4	
16	74354329	Cap screw	M6 x 85	4	
17	74335701 (74303816)	Insert	806073	4	
18	74353702 (74305504)	Set screw (flat end)	M6 x 6	4	
19	74335830	Stroke shaft	826187	4	
20	74353801 (74306405)	Set screw (cup end)	M6 x 6	8	
21	74336118 (10001102)	Snap ring	STW-20	8	
22	74335622	Stroke bearing	6010232	4	
23	74353901	Set screw (cone end)	M4 x 4	4	
24	74353826	Set screw (dog end)	M10 x 14	4	
25	74353801 (74306405)	Set screw (cup end)	M6 x 6	4	
26	74335627	Cushion	806009	8	
27	74335706 (74304608)	Lock plate	816004a	2	
28	74335716 (74304611)	Pressure pin	816005b	4	
29	74335617	Release spring	816006	4	
30	74336113 (74304022)	Stripper bolt	STO8 x 25	4	
31	74335906	Clamp base	826189a	2	
32	74354334 (73157630)	Cap screw	M8 x 15	8	
33	74336103	Straight pin	φ6h7 x 63	2	
34	74353904	Set screw (cone end)	M8 x 8	2	
35	74336101	Straight pin (with screw)	φ10m6 x 28	4	
36	74335811	Clamper	826182a	2	
37	74335826	Set screw (cone end)	826186	4	
38	74336102	Straight pin	φ5m6 x 36	2	
39	74335701 (74303816)	Insert	806073	4	
40	74353702 (74305504)	Set screw	M6 x 6	4	

Unit No. 06
Clamp

Clamp

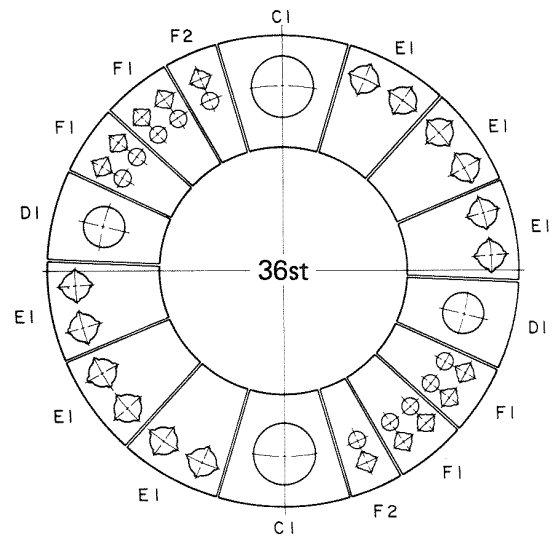
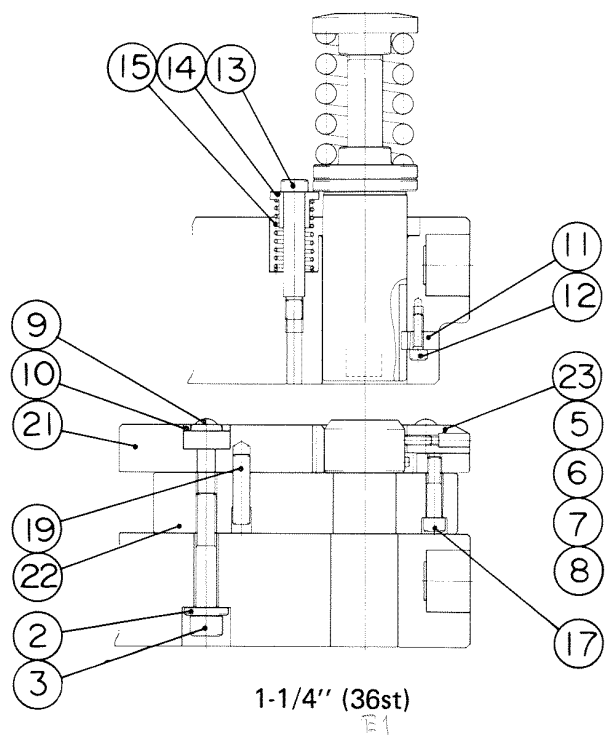
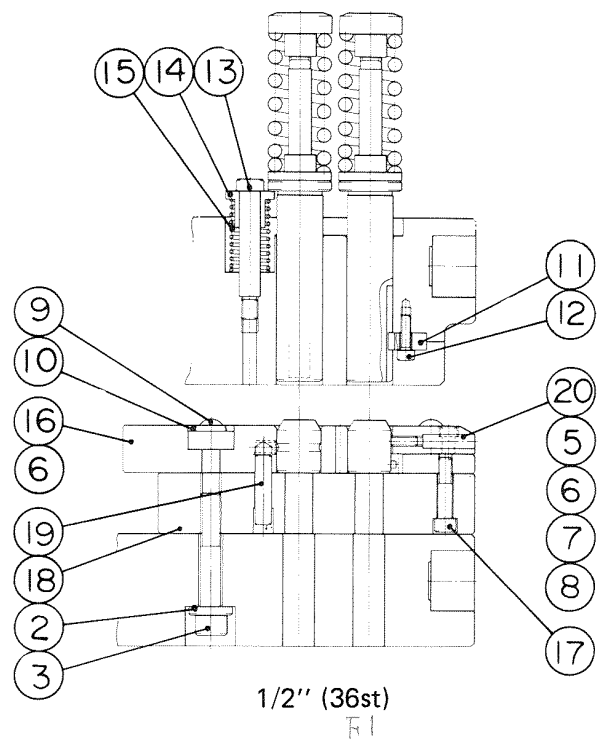
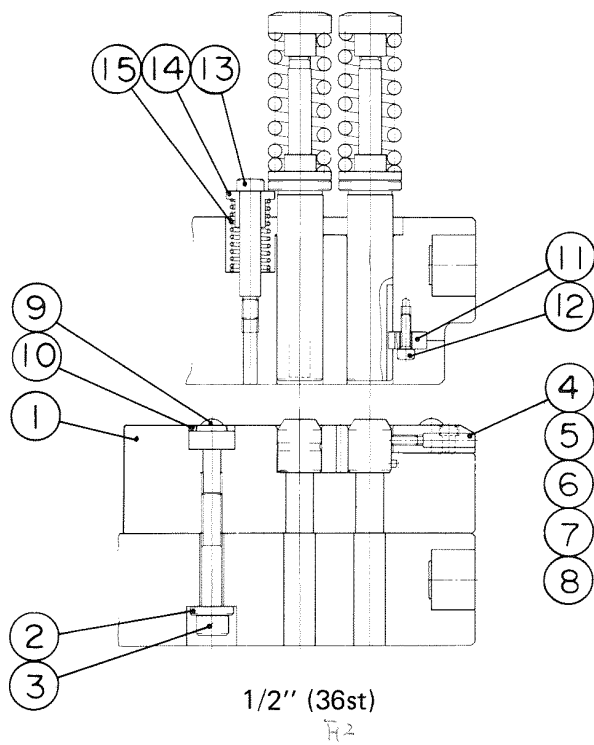
From serial No. P2440202 and after.

[illegible]

Unit No. 07

Tool holder (H-type 36st)

From serial No. P2440202 and after.



Symbol	Size	Die holder	Die spacer	Q'ty
C1	3-1/2"	30	31	2
D1	2"	24	25	2
E1	1-1/4"	21	23	6
F1	1/2"	16	20	4
F2	1/2"	1	4	2

Unit No. 07

Tool holder (H-type 36st)

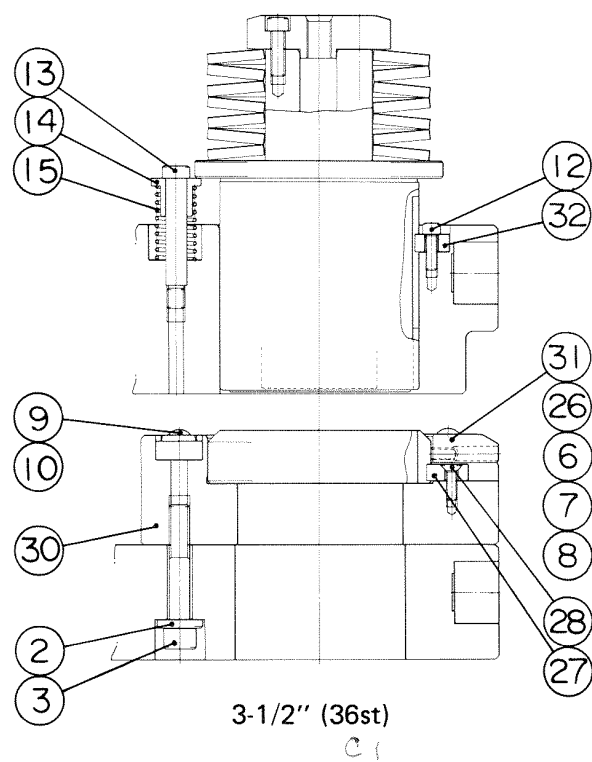
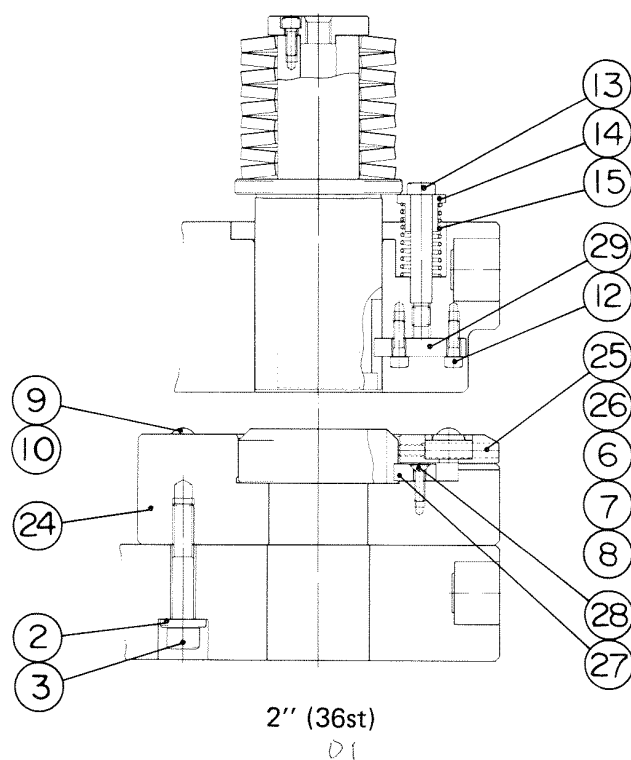
From serial No. P2440202 and after.

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Unit No. 07

Tool holder (H-type 36st)

From serial No. P2440202 and after.



Unit No. 07

Tool holder (H-type 36st)

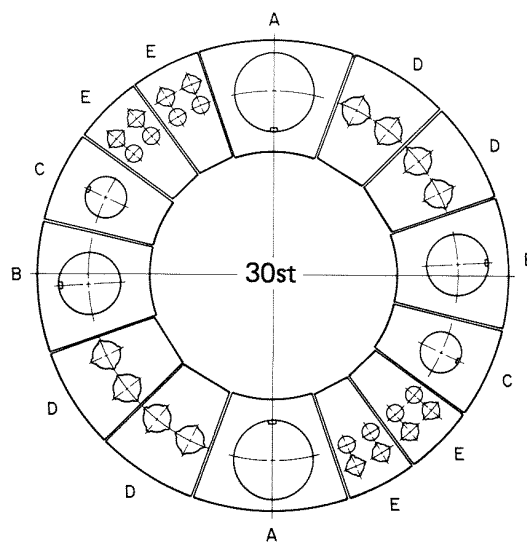
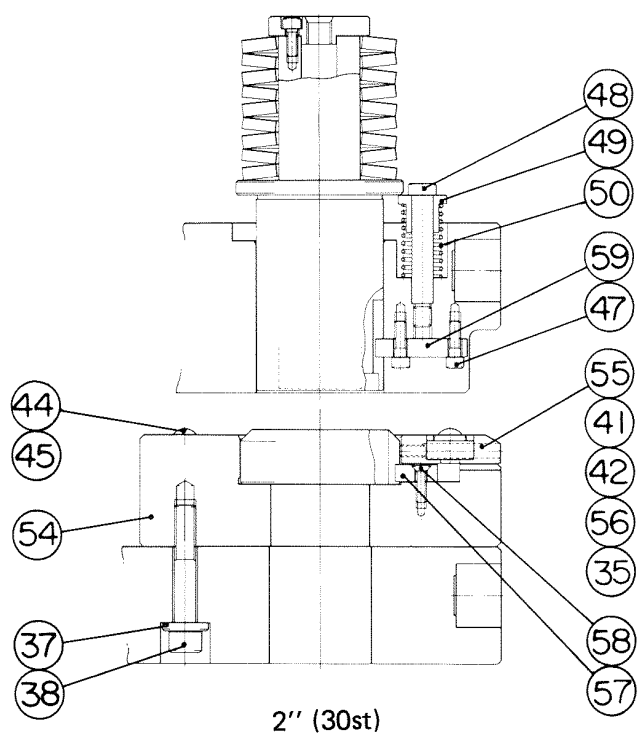
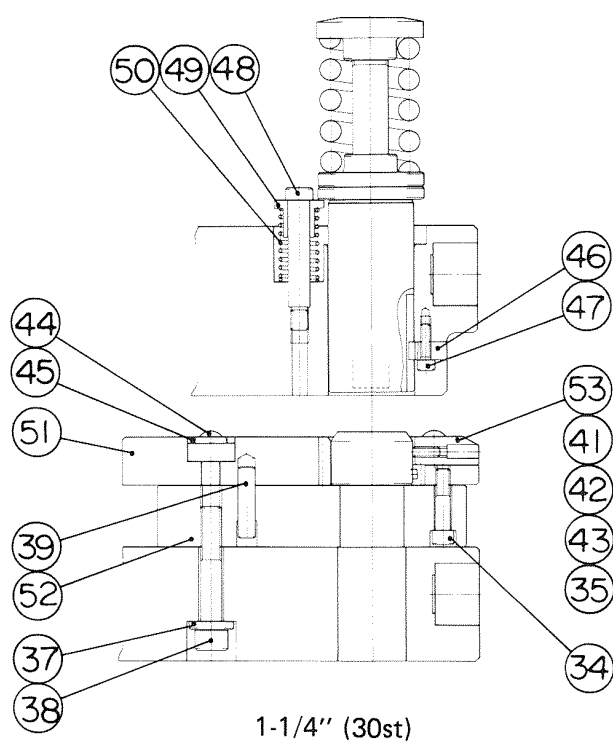
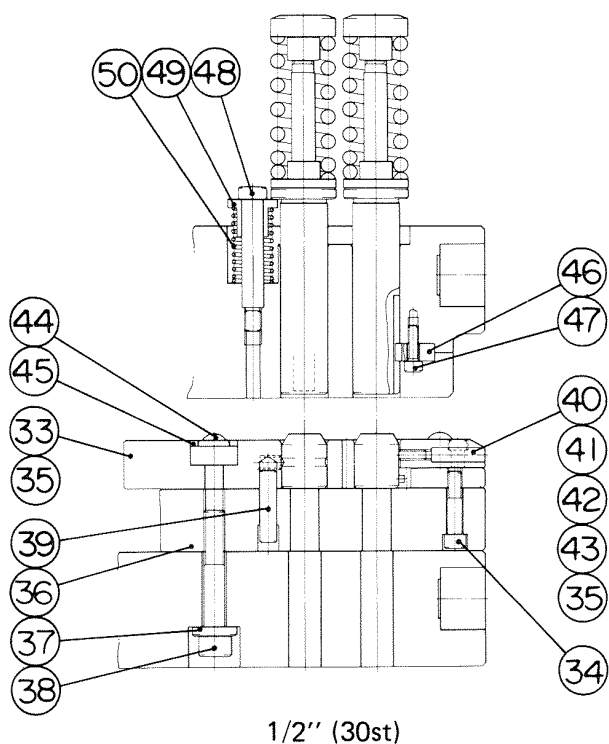
From serial No. P2440202 and after.

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Unit No. 07

Tool holder (H-type 30st)

From serial No. P2440202 and after.



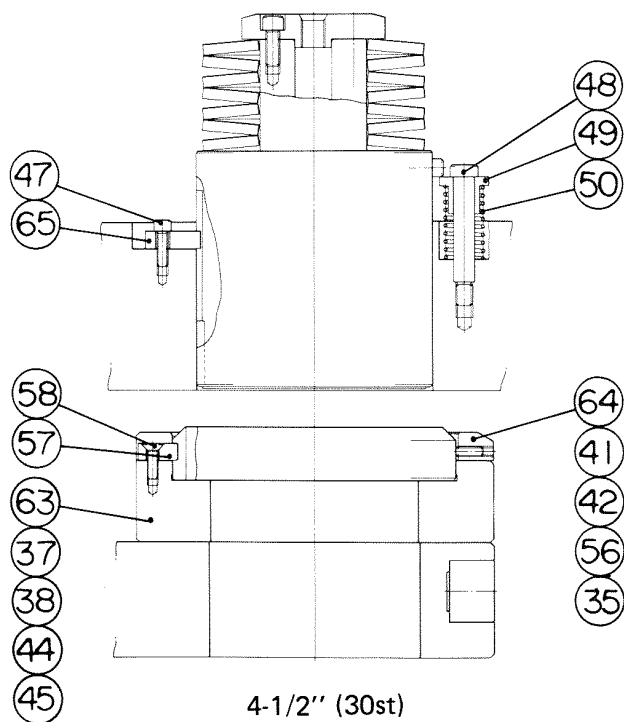
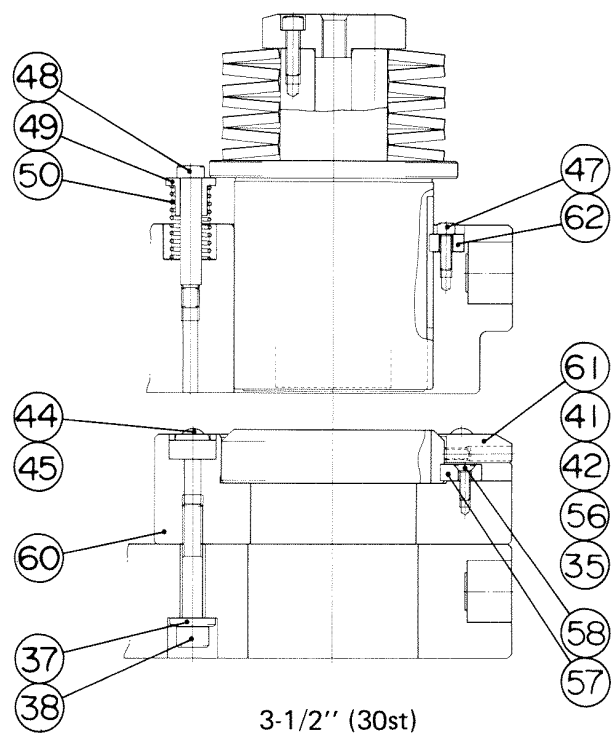
Symbol	Size	Die holder	Die spacer	Q'ty
A	4-1/2"	63	64	2
B	3-1/2"	60	61	2
C	2"	54	55	2
D	1-1/4"	51	53	4
E	1/2"	33	40	4

Unit No. 07

Tool holder (H-type 30st)

From serial No. P2440202 and after.

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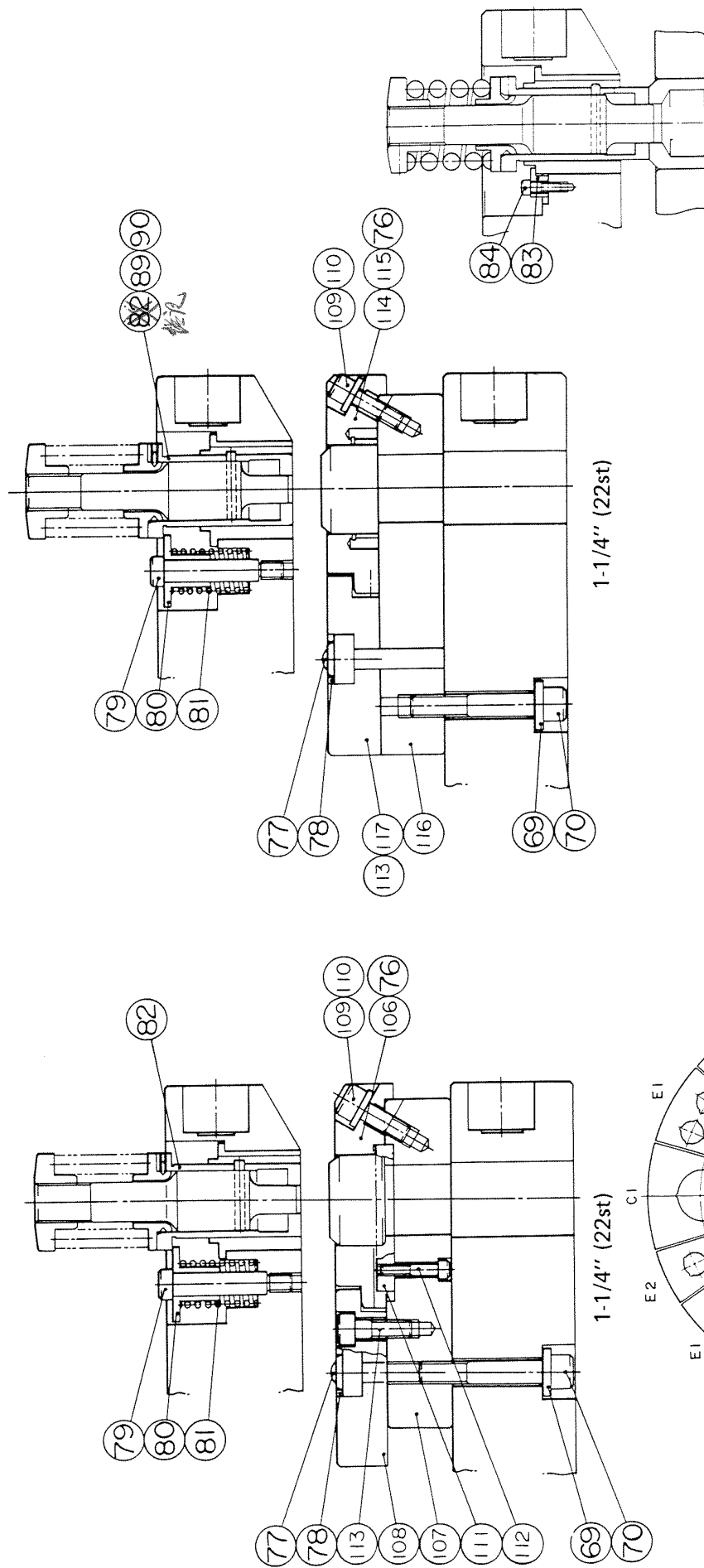
Unit No. 07

Tool holder (H-type 30st)

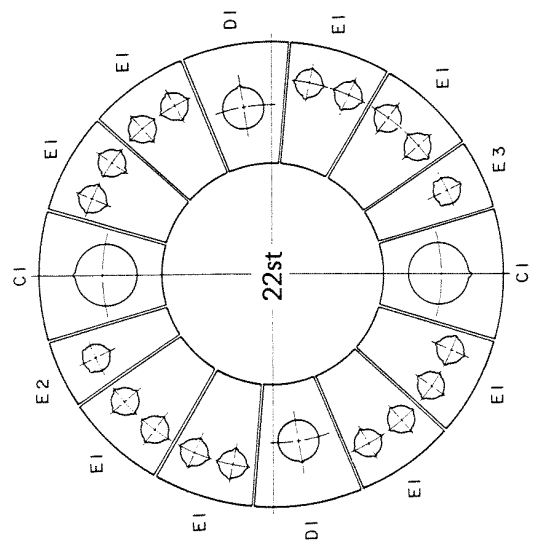
From serial No. P2440202 and after.

[illegible]

Unit No. 07
 Tool holder (L-type 22st) From serial No. P2440199, 200, 230, 231, 233~



Symbol	Size	Die holder	Die spacer	Q'ty
C1	3-1/2"	102	103	2
D1	2"	91	92	2
E1	1-1/4"	106	107	8
E2	1-1/4"	114	116	1
E3	1-1/4"	115	116	1



Unit No. 0 /

Tool holder (L-type 22st)

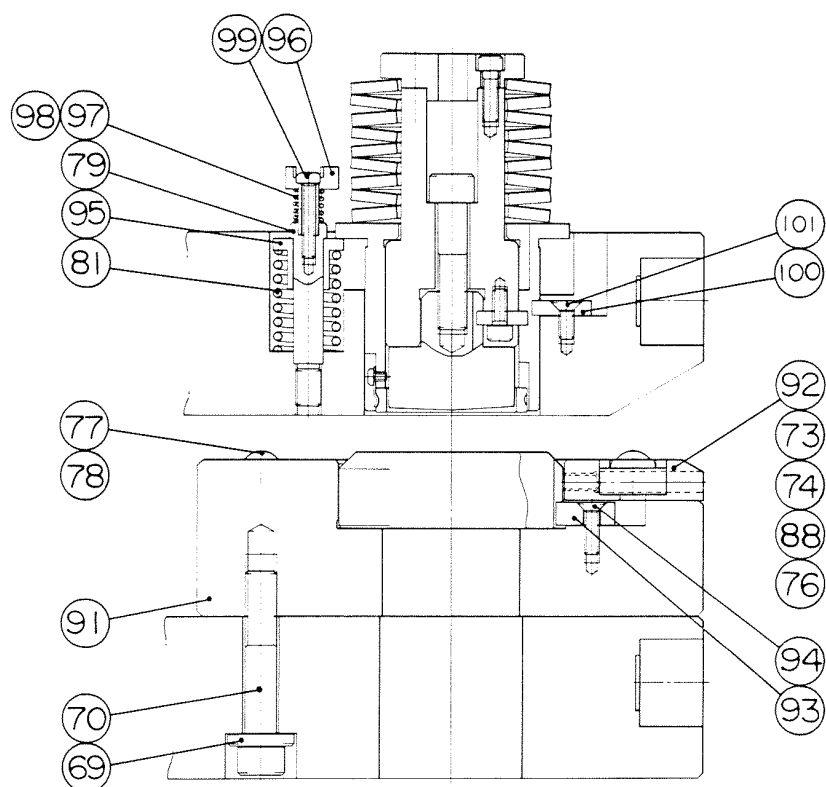
From serial No. 2440199, 200, 230, 231, 233~

[illegible]

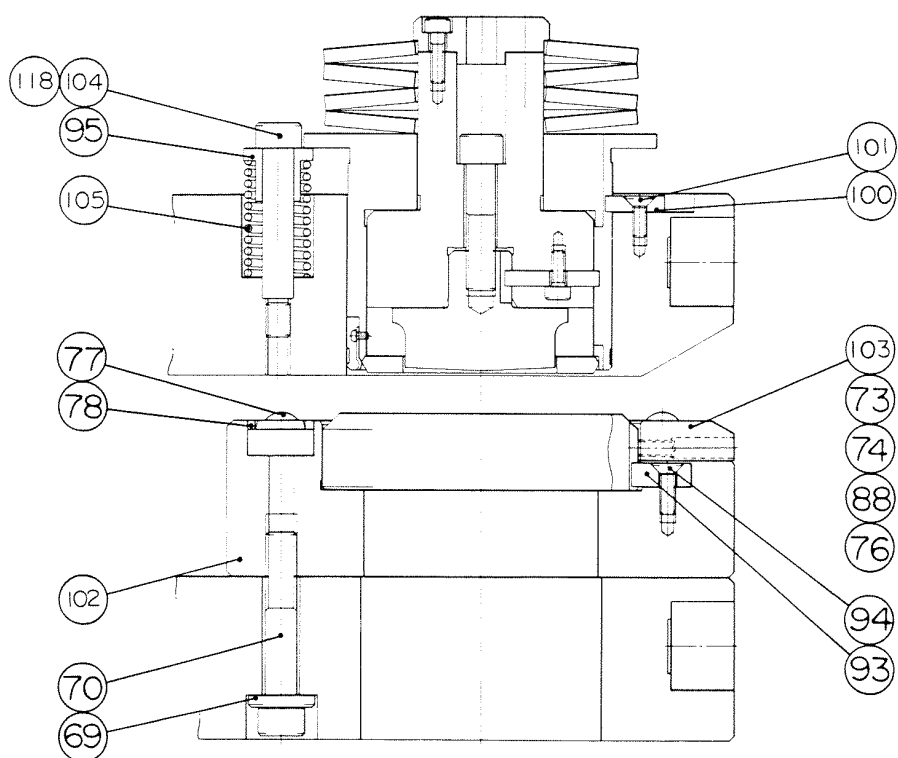
Unit No. 07

Tool holder (L-type 22st)

From serial No. P2440202 and after.



2" (D1)



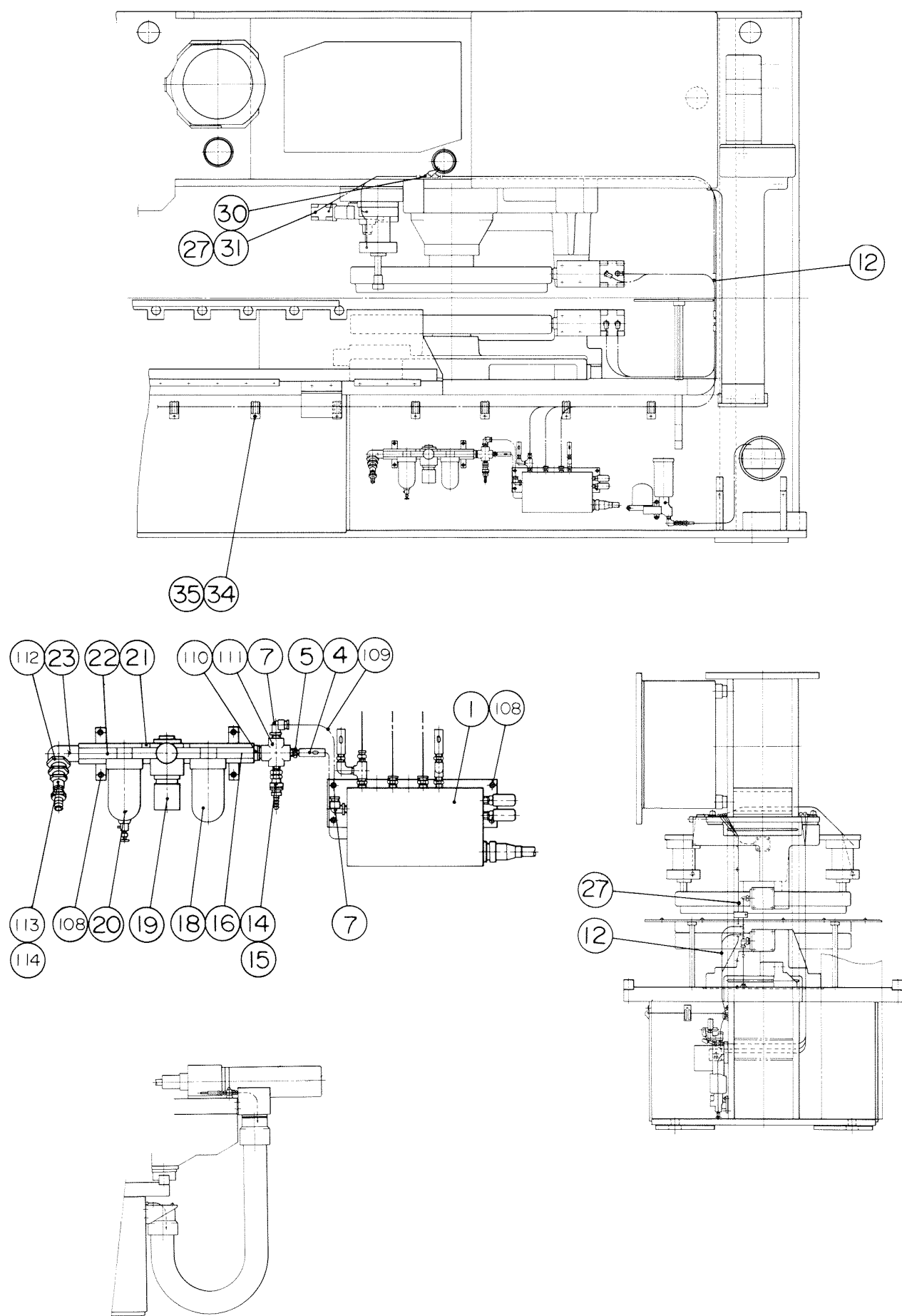
3-1/2" (C1)

Unit No. 0 /

Tool holder (L-type 22st)

From serial No. P2440202 and after.

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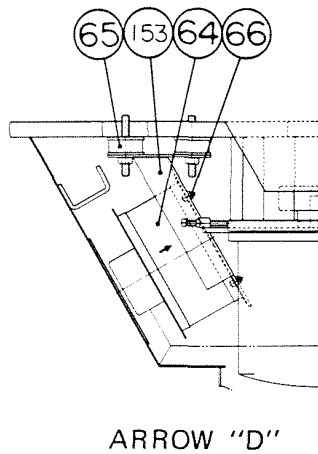


Unit No. 08

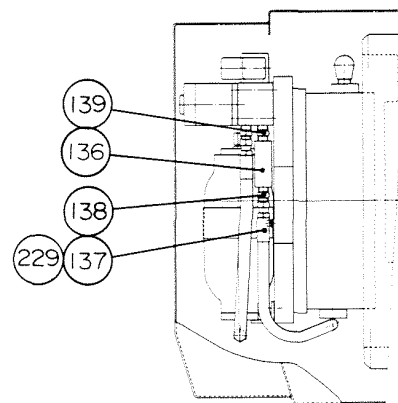
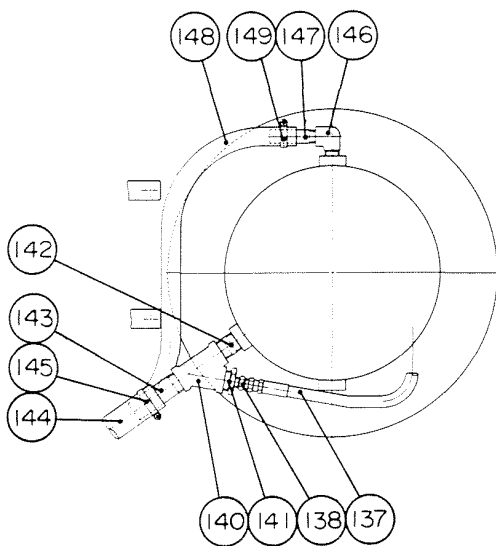
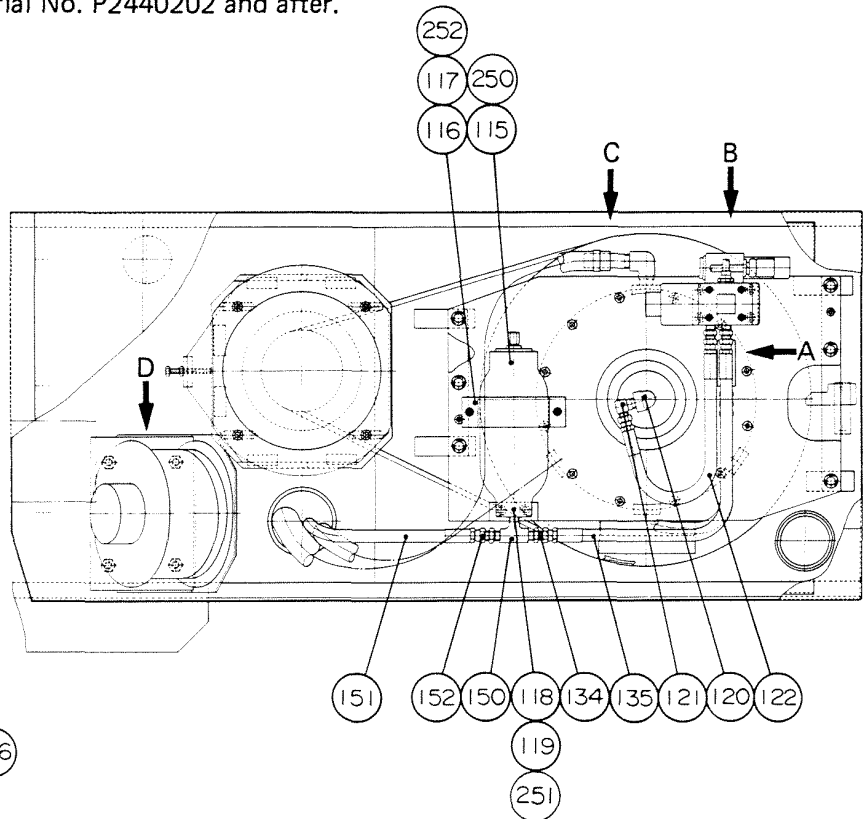
Pneumatic piping

From serial No. P2440265~271, 273, 275~277, 279~

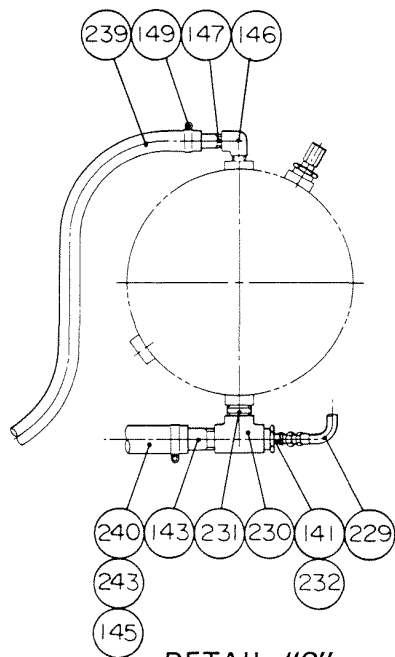
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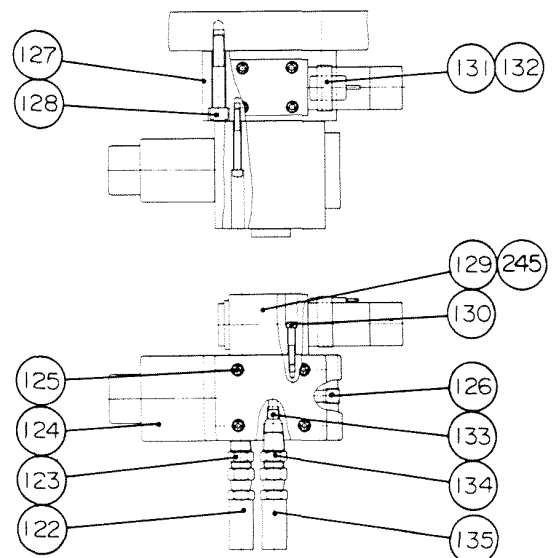
ARROW "D"



ARROW "A"



DETAIL "C"



DETAIL "B"

Unit No.08

Pneumatic piping

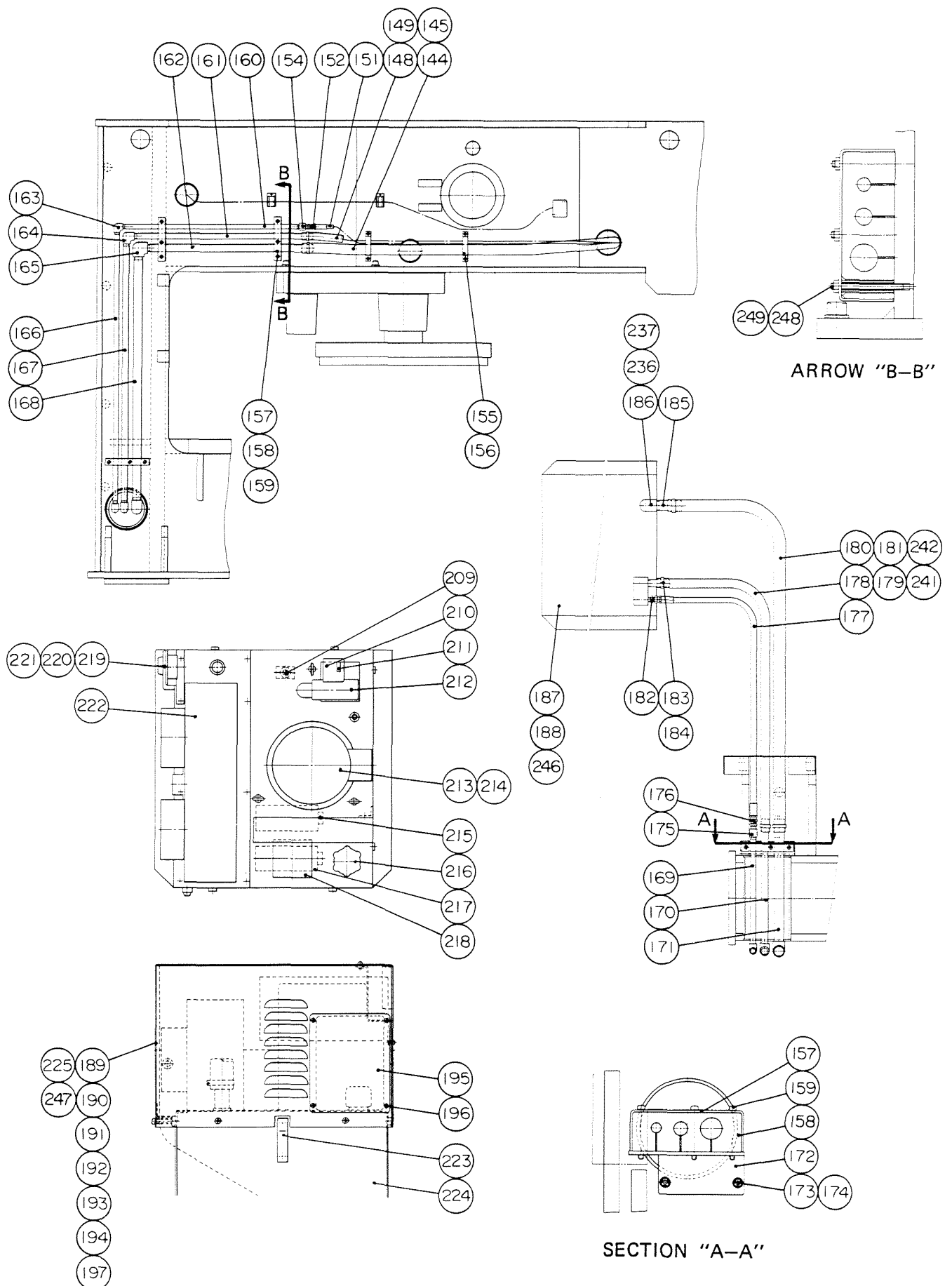
From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
64	74339107	Cooling fan	7930043	1	
65	74339117	Rubber cushion	KA-60	4	
66	74354317 (74302812)	Cap screw	M6 x 10	4	
115	74338002	Accumulator	7951134b	1	b: ~ July '88
116	74338006	Accumulator band	817768	1	
117	74314414	Cap screw	M10 x 15	4	~ July '88
118	74338007	Accumulator bracket	817767	1	~ July '88
119	74354517	Cap screw	M10 x 15 (unbrako)	2	~ July '88
120	74338014	Elbow	6013659	1	
121	74338610	Adapter	302106	1	
122	74339002	Hose	F506 ̢500	1	
123	74338619 (36115917)	Adapter	3001F06	1	
124	74338129	Solenoid valve	3WE10A-A0/ AW100-NPL	1	
125	74354325 (74314409)	Cap screw	M6 x 50	4	
126	74338528	Plug	1/4"	1	
127	74338020	Solenoid valve block	6013915a	1	a: P2440278 ~
128	74354520	Cap screw	M10 x 65 (unbrako)	4	
129	74338130	Solenoid valve	4WE6Y-A0/ AG24N24	1	~ Mar. '88
130	74304903	Cap screw	M5 x 50	4	
131	74338226	Thermal sensor	TF51P-1	1	
132	74338227	Band	TM144SS-50	1	
133	74338024	Choke plug	6013916a	1	a: P2440278 ~
134	74338619 (36115917)	Adapter	3001F06	2	
135	74339003	Hose	F506 ̢700	1	
136	74338113	Check valve	CIT-03-5-20	1	
137	74339004	Hose	F506 ̢550	1	~ P2440277
138	74338619 (36115917)	Adapter	3001F06	1	Q'ty 2 → 1; Sep. '87 ~
139	74338505	Nipple	SNP03-000J	1	
140	74338307	Joint block	45°-Y 1"	1	~ P2440277
141	74338308	Bushing	1" x 3/8"	1	
142	74338309	Pipe	1" ̢75	1	~ P2440277
143	74338029	Hose joint 1"	6013654b	1	
144	74339011	Rubber hose	JA120 ̢2200	1	~ Aug. '87
145	74339017	Hose band	#2A	2	
146	74338425	Straight elbow	1/2"	1	
147	74338030	Hose joint 1/2"	6013653b	1	
148	74339012	Rubber hose	JA112 ̢2750	1	~ Aug. '87
149	74339018	Hose band	#1	2	
150	74338317	Tee	TF-2 SK-1003	1	
151	74339005	Hose	F506 ̢2250	1	

Pneumatic piping

From serial No. P2440202 and after.

[illegible]



Unit No. 08

Pneumatic piping

From serial No. P2440202 and after.

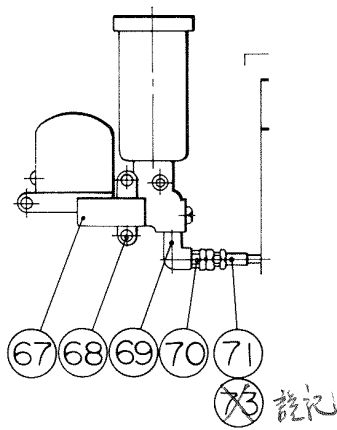
Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
154	74338735	Coupling	SFC03-000J	1	
155	74337960	Saddle	817764	2	
156	74354334 (73157630)	Cap screw	M8 x 15	4	
157	74337955	Clamp plate	817762	4	
158	74337956	Pipe clamp	817763	4	
159	74354414 (74300608)	Cap screw	M8 x 80	12	
160	74337935	Pipe 3/8" (A)	817754	1	
161	74337941	Pipe 1/2" (A)	817757	1	
162	74337947	Pipe 1" (A)	817759	1	
163	74338407	Elbow 3/8"	SLA03-000J	2	
164	74338401	Elbow 1/2"	1/2"	2	
165	74338408	Elbow 1"	1"	2	
166	74337936	Pipe 3/8" (B)	817755	1	
167	74337942	Pipe 1/2" (B)	817758	1	
168	74337948	Pipe 1" (B)	817760	1	
169	74337937	Pipe 3/8" (C)	817756	1	
170	74337943	Pipe 1/2" (C)	827927a	1	
171	74337949	Pipe 1" (C)	817761	1	
172	74337964	Bracket	817765	1	
173	74354402 (44235241)	Cap screw	M8 x 20	2	
174	74353504 (74300511)	Washer	M8	2	
175	74338735	Coupling	SFC03-000J	1	
176	74338619 (36115917)	Adapter	3001F06	1	
177	74339006	Hose	F506 11300	1	
178	74339013	Rubber hose	JA112 11500	1	~ Aug. '87
179	74339018	Hose band	#1	2	
180	74339010	Rubber hose	JA120 11700	1	~ Aug. '87
181	74339017	Hose band	#2A	2	
182	74338741	Male-female elbow	SLC03-000J	1	
183	74338030	Hose joint 1/2"	6013653b	1	
184	74338742	Male-female elbow	STE-PT 1/2"	1	
185	74338029	Hose joint 1"	6013654b	1	
186	74338426	Straight elbow	1"	1	
187	74337836	Hydraulic power unit	7931057	1	~ P2440485
188	74338728	Filter element	U03-010P	4	
189	74337841	Cover	6013827b	1	~ Aug. '87
190	74354410 (74314411)	Cap screw	M8 x 50	2	
191	74354405 (74302818)	Cap screw	M8 x 30	2	~ Aug. '87
192	74354330 (36329937)	Cap screw	M8 x 10	2	
193	74353504 (74300511)	Washer	M8	6	~ Aug. '87

Unit No. 08

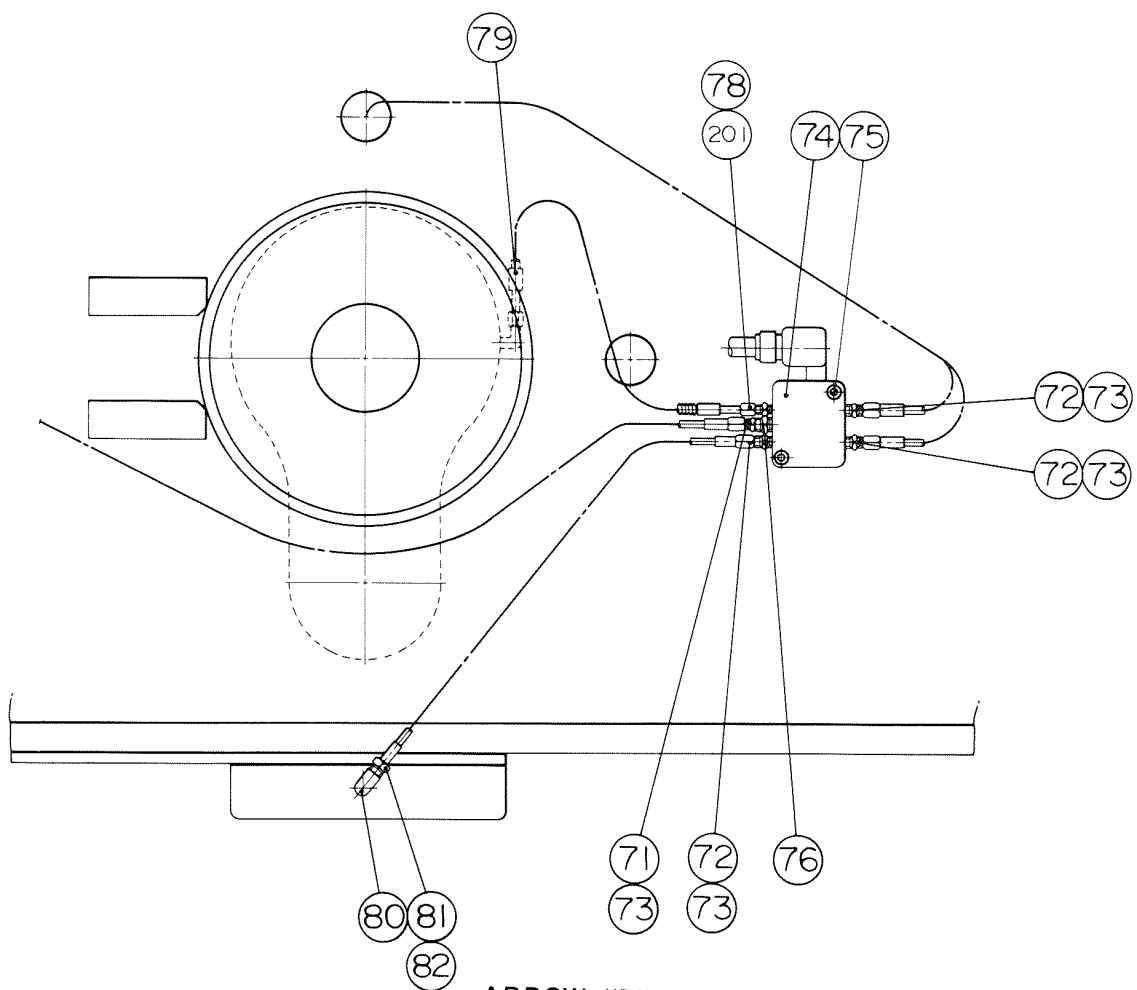
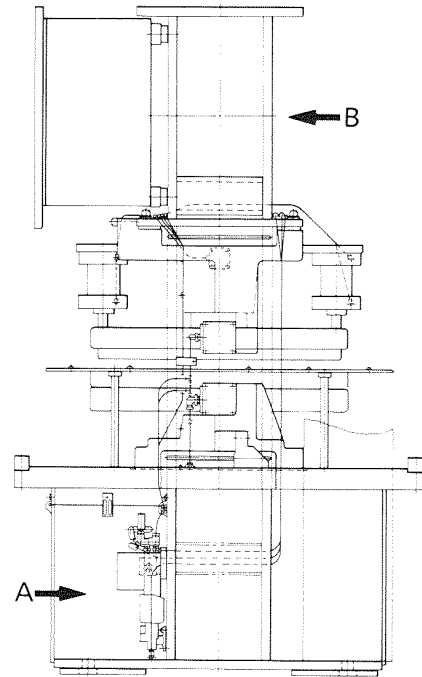
Pneumatic piping

From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
194	74337850 (74325307)	Sticker (don't lift)	810649	1	
195	74337842	Oil filter port cover	6013829	1	
196	74354418 (44446227)	Cap screw	M6 x 40	4	
197	74338804	Bushing	NB-016L	1	~ Aug. '87
198	74338909	Tube	ASI 70-10 (black) $\varnothing$ 4800	1	
199	74338409	Elbow	PL10 x 7.5-PT 1/4	1	
200	74337856	Connector	6013828	1	
209	74310701	Stop valve	T-02AT-330	1	
210	74310703	Pressure switch	TDZ-3F	1	
211	74310705	Check valve	S10A1-0-998-0 (0.5k)	1	
212	74310707	Unload relief valve	DA10-2-A0/80-998-0	1	
213	74310709	Gear pump	GSP2-A0S12A 06AR-A0-901-0	1	
214	74310711	Induction motor	2.2 kW 4P	1	
215	74310713	Suction filter	MST-04-100 μ (#150)	1	
216	74310715	Air breather	MSA-C50T-P	1	
217	74310717	Suction filter	MST-06-100 μ (#150)	1	
218	74310719	Line filter	UCF-E03-10 μ	1	
219	74310721	Pressure gauge	OPG-DT-PF 1/4 $\varnothing$ 60 x 150k	1	
220	74310723	Pressure gauge	DU-PF 1/4 $\varnothing$ 60 x 10k	1	
221	74310725	Thermo-switch	ALS-C1090C	1	
222	74310727	Heat exchanger	CLX-24	1	
223	74310729	Oil level gauge	8d - 80h	1	
224	74310731	Oil reservoir	60 ℓ	1	
225	74337840	Hydraulic unit cover	817732a	1	Aug. '87 ~ a: Nov. '88 ~ Mar. '88
236	74338508	Barrel nipple	1"	1	Aug. '87 ~
237	74338322	Union	1"	1	Aug. '87 ~
241	74339029	Hose	MID $\varnothing$ 19 $\varnothing$ 1200	1	Aug. '87 ~
242	74339028	Hose	MID $\varnothing$ 32 $\varnothing$ 1400	1	Aug. '87 ~
246	74337837	Hydraulic power unit	7835007	1	P2440486 ~
247	74337845	Hydraulic unit cover	6510469a	1	P2440486 ~
248	74353710	Set screw (flat end)	M8 x 90	9	June '88 ~
249	74353407 (10001517)	Nut	M8	9	June '88 ~



ARROW "A"



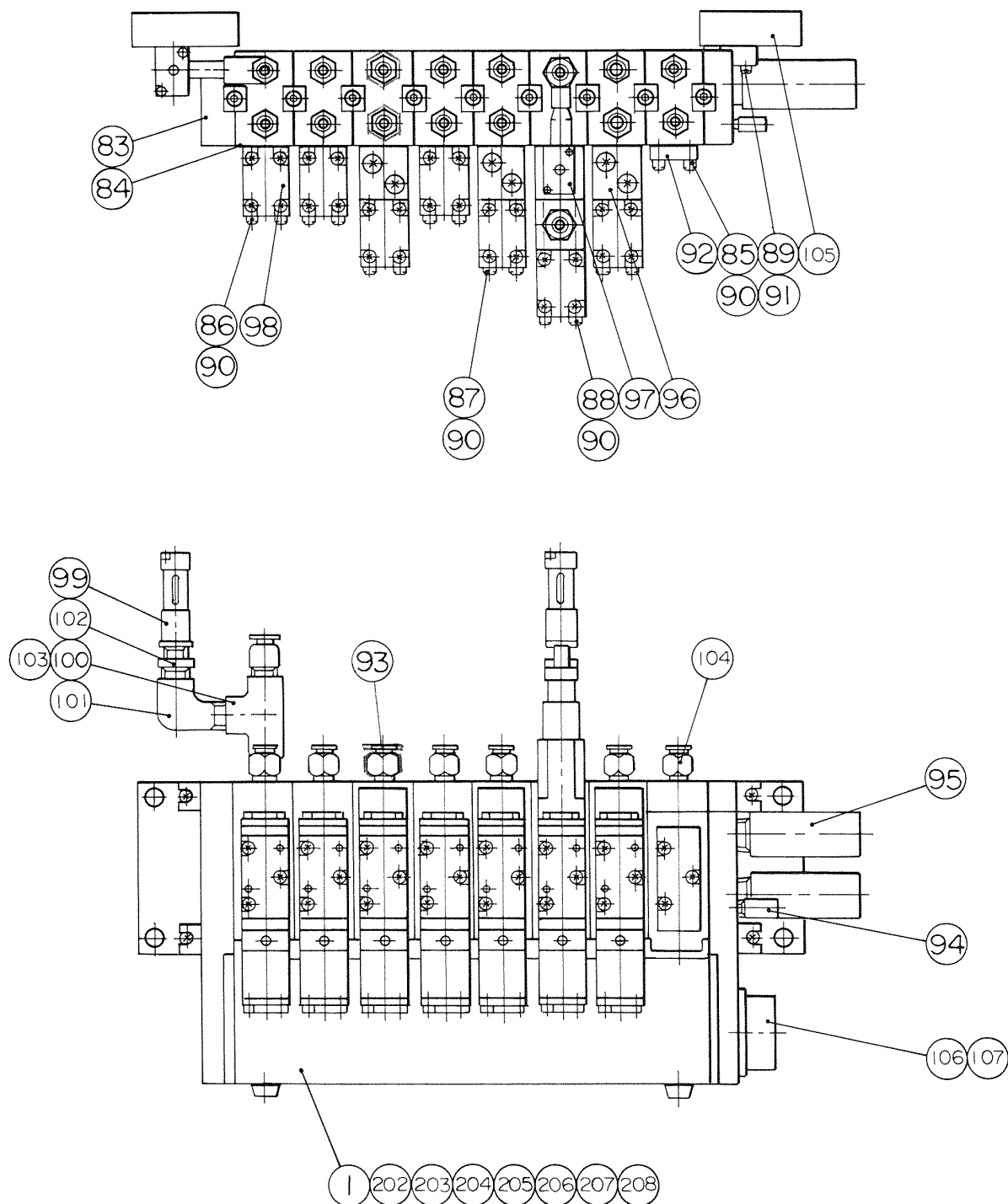
ARROW "B"

Unit No. 08

Pneumatic piping - lubrication

From serial No. P2440202 and after.

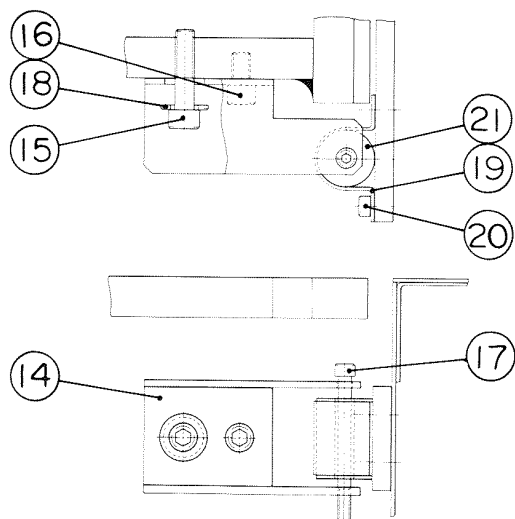
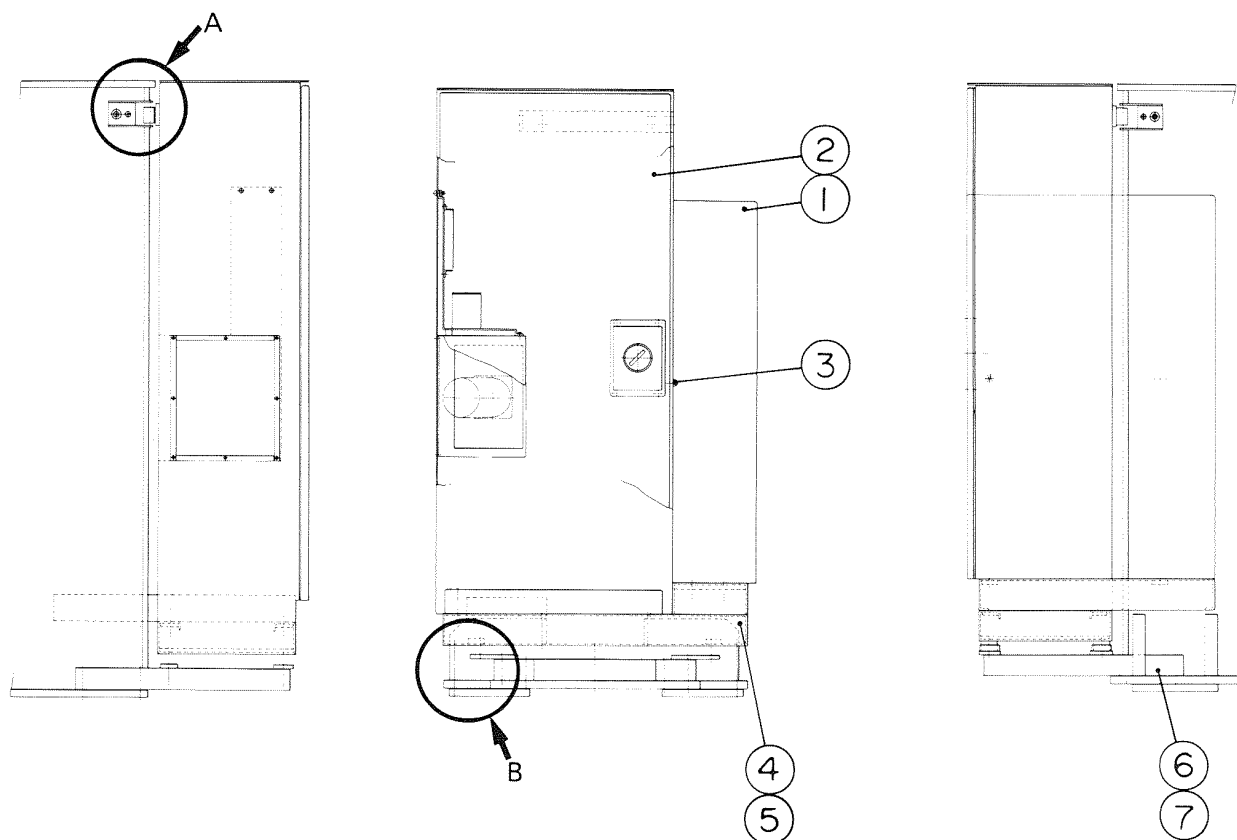
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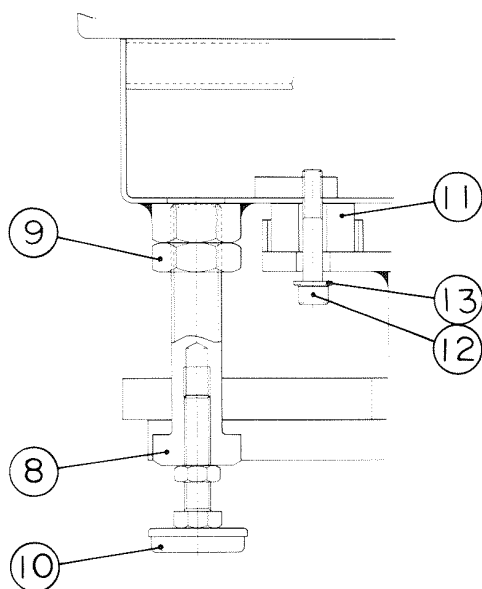
Unit No.08
Pneumatic piping

From serial No. P2440 265~271, 273, 275~277, 279~

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DETAIL "A"



DETAIL "B"

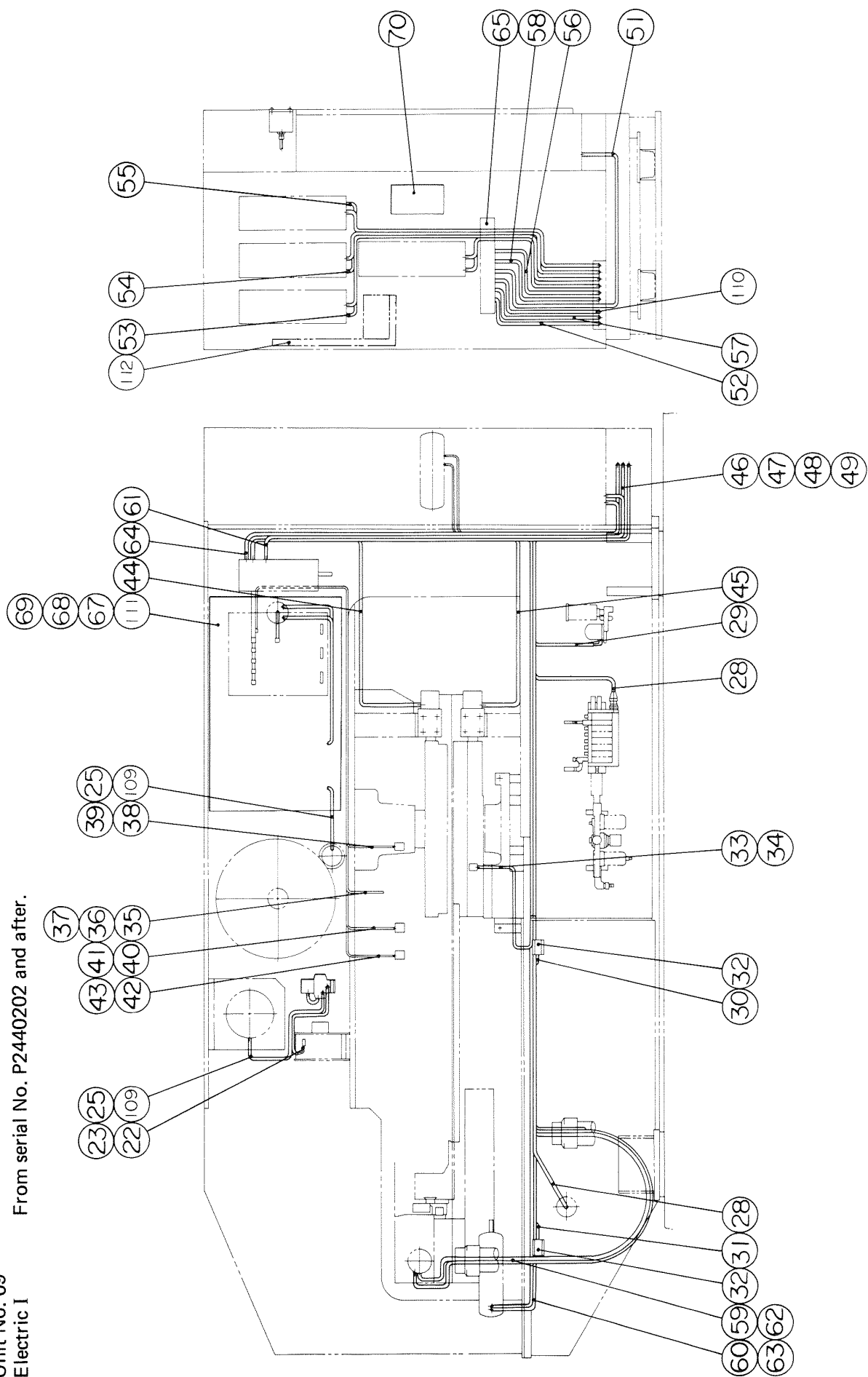
Unit No. 09
Electric I

From serial No. P2440202 and after.

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Unit No. 09
Electric I

From serial No. P2440202 and after.



Unit No. **09**
Electric I

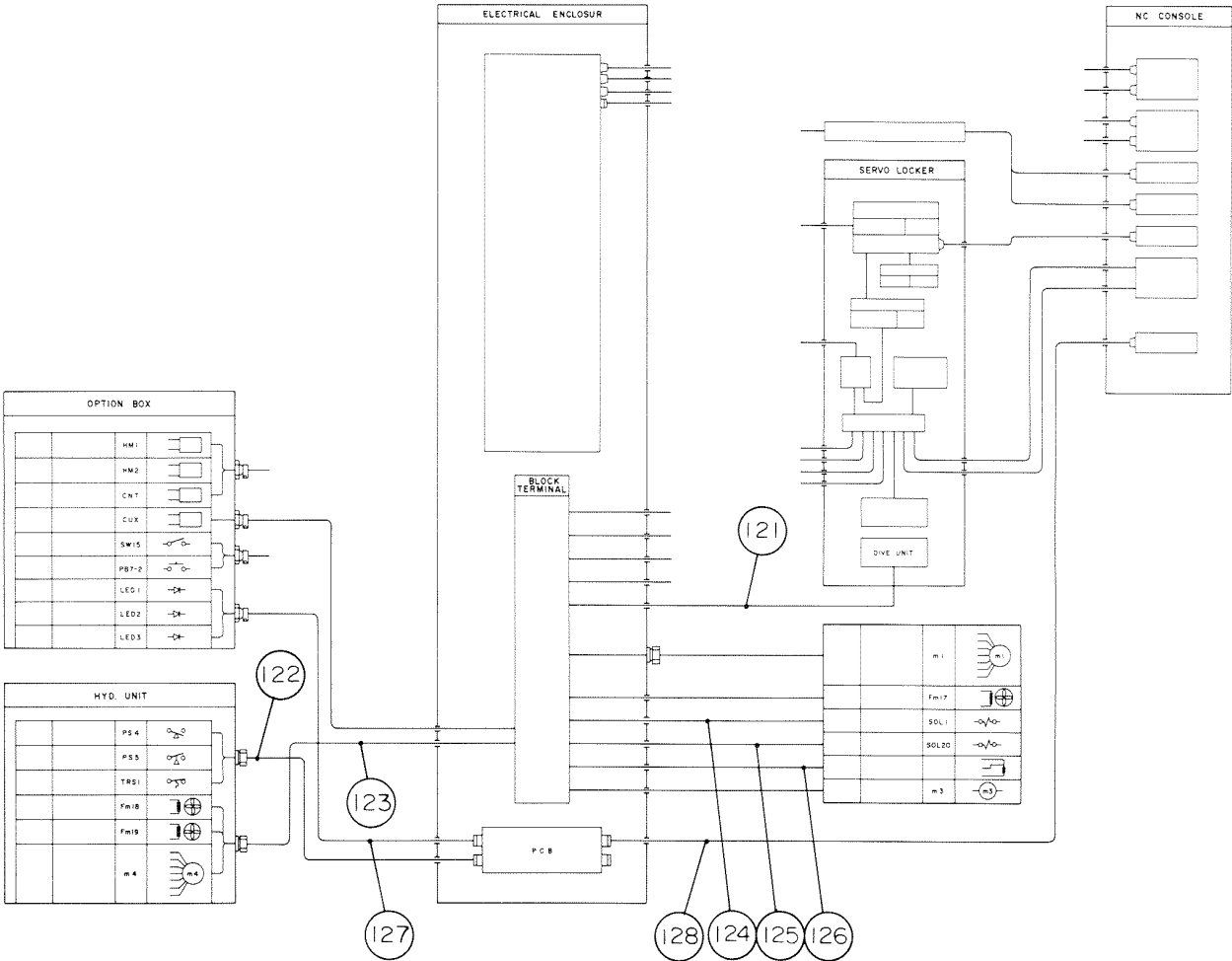
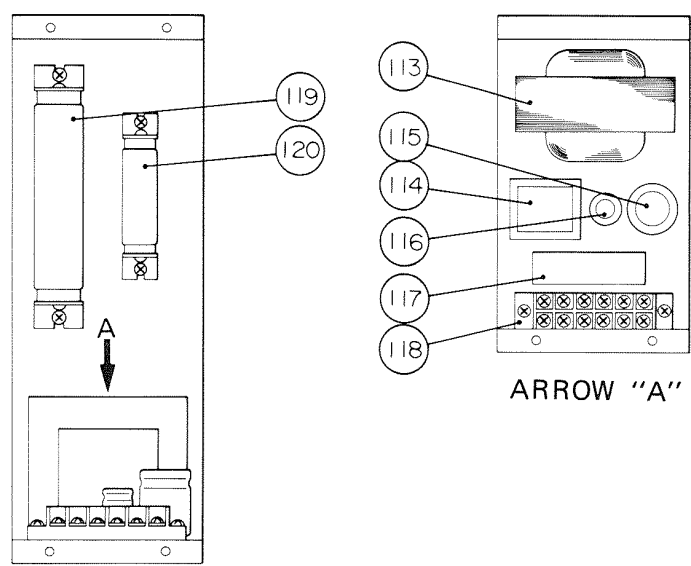
From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
23	74340202	Cooling fan cable Ex	6230070	1	
25	74341406 (74308201)	Connector	ESB-1	2	
28	74340301	Cable (E-1 Ex)	6230061b	1	a: Jan. '87 ~ b: June '88 ~
29	74340221	Lub. motor cable (M-3 Ex)	6230062	1	
30	74340306	Cable (L-5Ex)	6230063-05	1	
31	74340307	Cable (L-6Ex)	6230063-06	1	
32	74341505	Limit switch	LDZ-5321	2	
33	74340308	Cable (L-7Ex)	6230063-07a	1	a: Mar. '88 ~
34	74341503 (74163503)	Limit switch	BZE6-2RN-J	1	
35	74340718	Strip miss cable (ST-1)	818848a	1	
36	74341101	Connector	1-350867-0	1	
37	74341107	Pin	350218-1	1	
38	74340328	Cable (P-2)	818856-02a	1	
39	74341602	Proximity switch	FL1-5D6	1	
40	74340320	Cable (P-3)	81856-03	1	
41	74341602	Proximity switch	FL1-5D6	1	
42	74340321	Cable (P-4)	81856-04	1	
43	74341602	Proximity switch	FL1-5D6	1	
44	74340322	Cable (P-5)	81856-05	1	
45	74340323	Cable (P-6)	81856-06	1	
46	74340702	NC detecting cable (CA01)	818850-01a	1	
47	74340703	NC detecting cable (CA03)	818850-02a	1	
48	74340704	NC detecting cable (CN25)	818850-03b	1	
49	74340701	NC detecting cable (CN26)	6230071	1	
51	74340310	Cable (A-2AEx)	6230064-02	1	
52	74340311	Cable (A-3Ex)	6230064-03	1	
53	74340324	Cable (A-4)	818851-04a	1	
54	74340325	Cable (A-5)	818851-05a	1	
55	74340326	Cable (A-6)	818851-06a	1	
56	74340312	Cable (EM OUT Ex)	6230064-04	1	
57	74340313	Cable (A-8)	6230064-05	1	
58	74340314	Cable (A-9)	6230064-06	1	
59	74340723	Motor detecting cable (J5)	965564-01a	1	
60	74340724	Motor detecting cable (J6)	965564-02a	1	
61	74340725	Motor detecting cable (J7)	965564-03a	1	
62	74340801	Motor drive cable (J15)	965564-05a	1	
63	74340802	Motor drive cable (J16)	965564-06a	1	
64	74340803	Motor drive cable (J17)	965564-07a	1	
65	74340813	Jumper cable	6230116	1	
67	74341424	Rubber cushion	KA-60	4	

Electric I

From serial No. P2440202 and after.

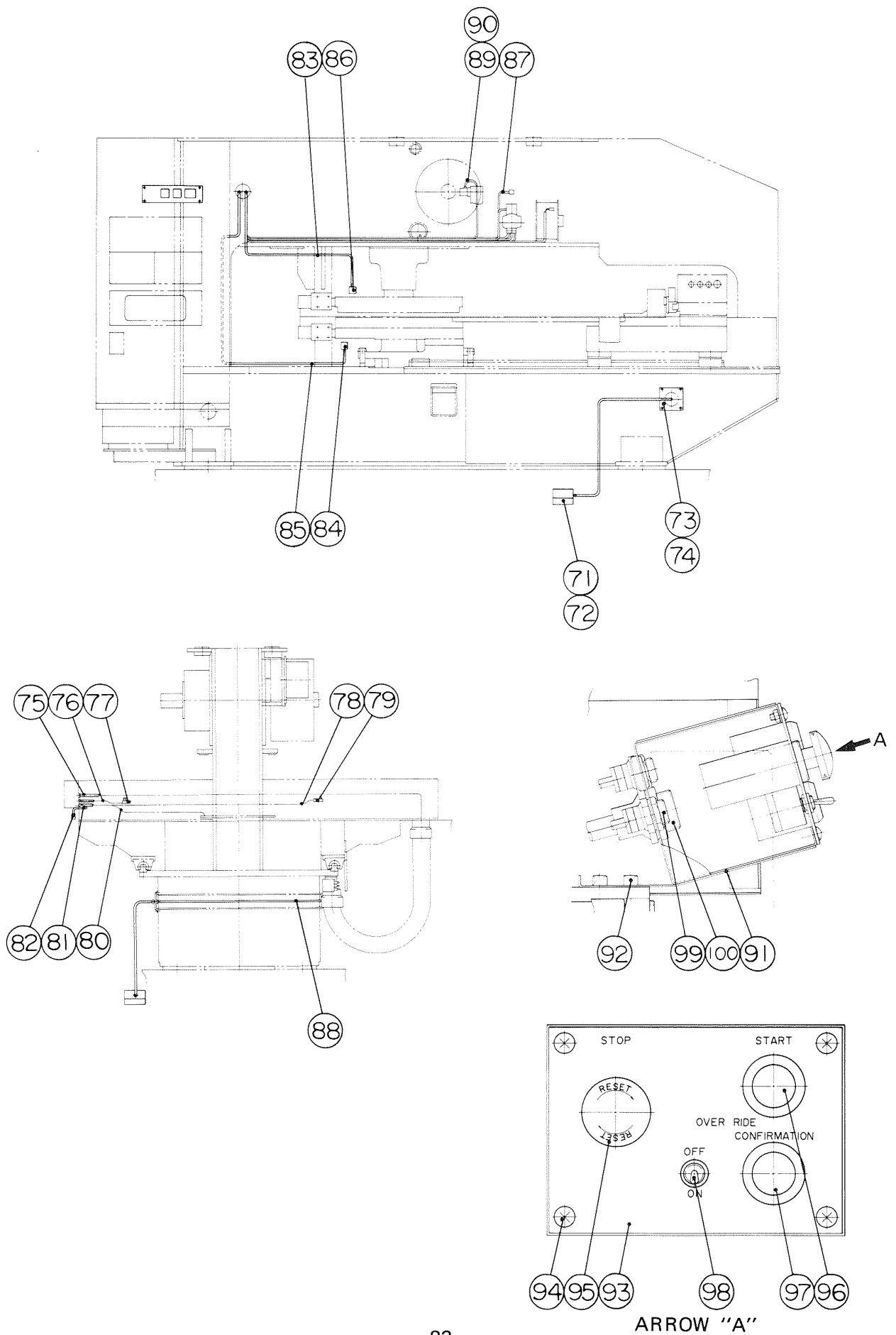
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Unit No. 09
Electric I

From serial No. P2440202 and after.

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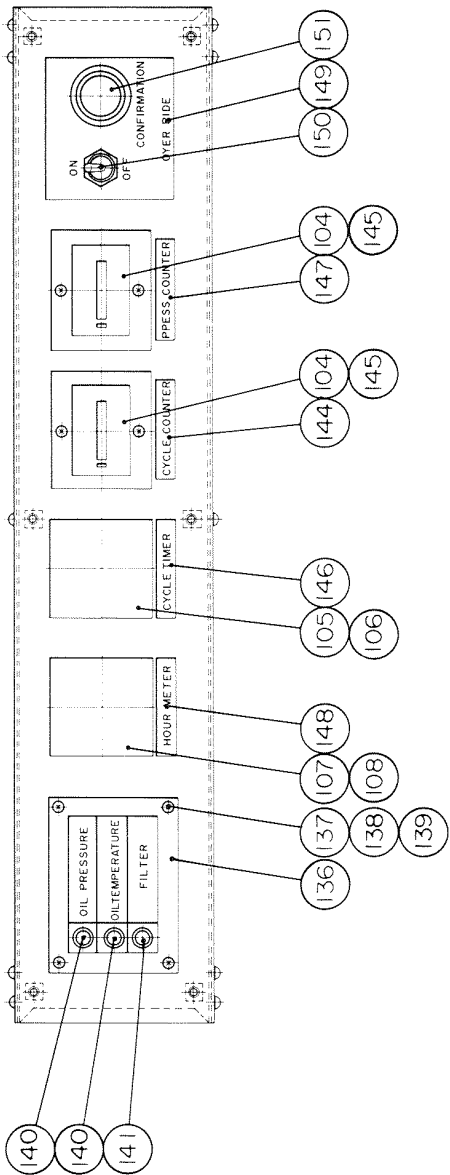
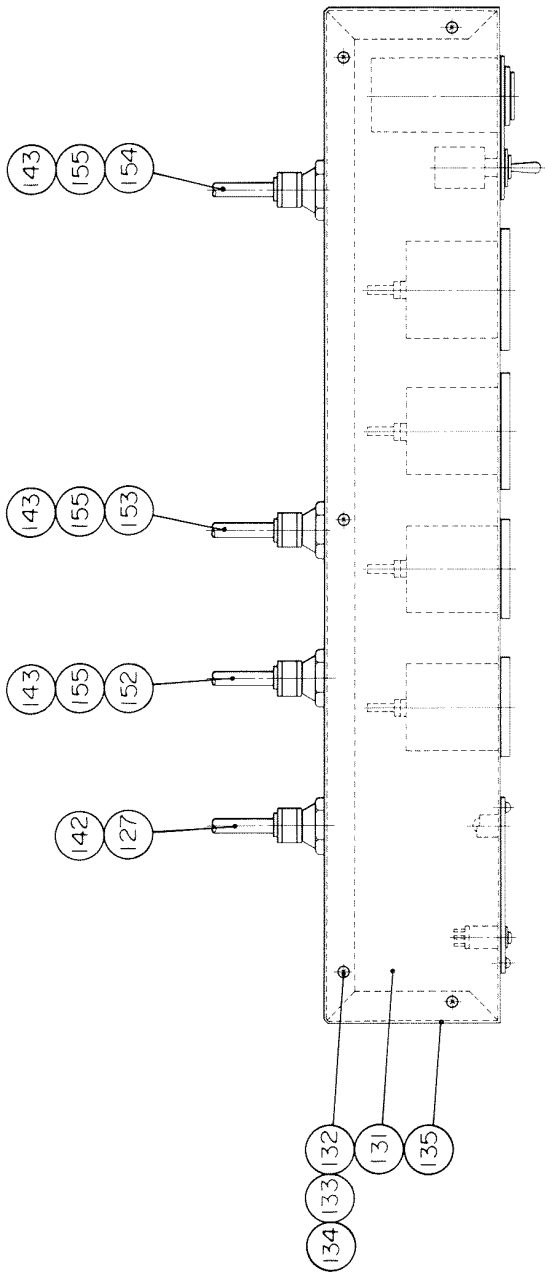
Unit No. 09

Electric I

From serial No. P2440202 and after.

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From serial No. P2440202 and after.



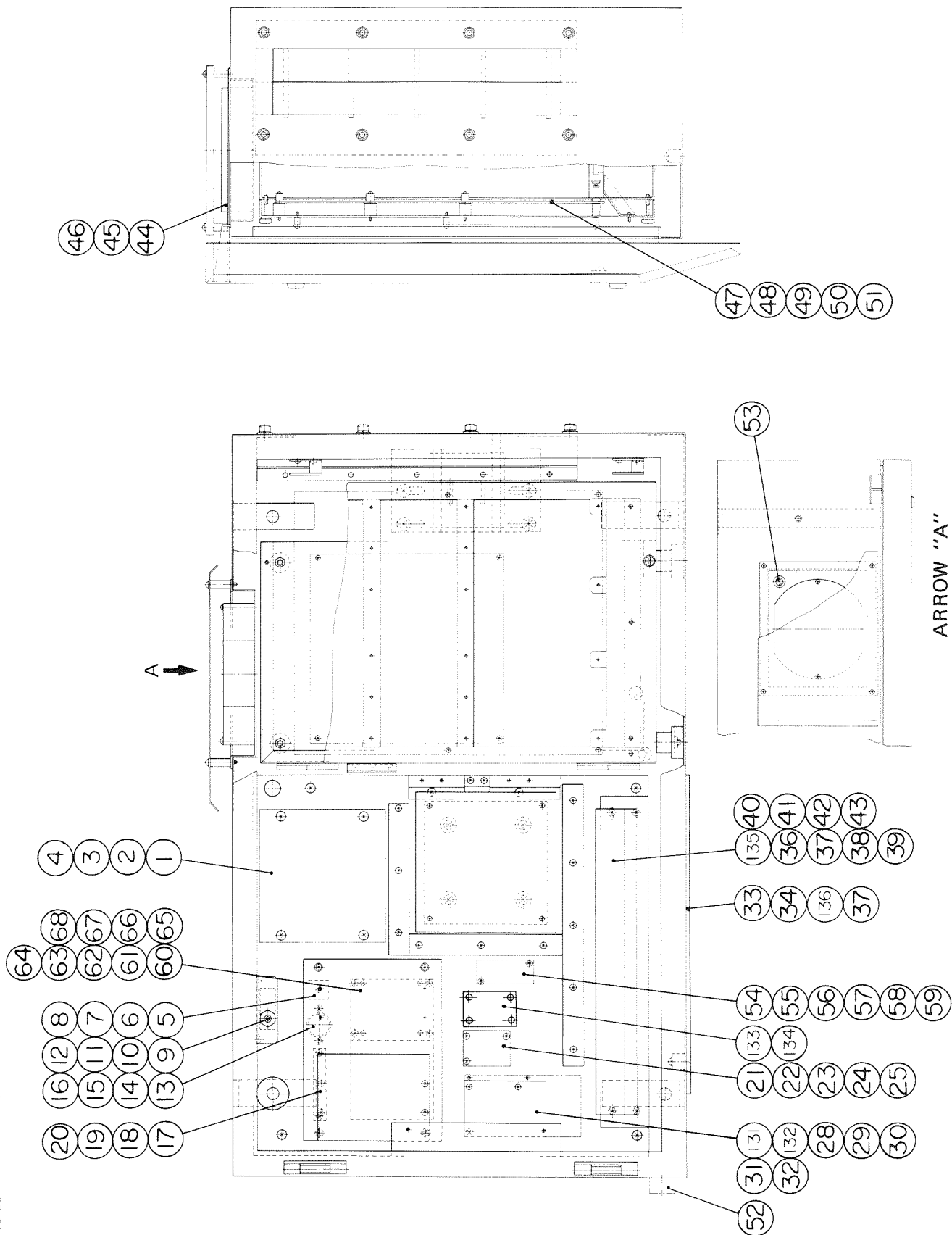
Unit No. **09**
Electric I

From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
	Counter (option)				
102	74356201	Bind screw	M5 x 10	6	
104	74341321	Sheet counter	MC6F-25CPS-100/110	1	
105	74341326 (27152068)	TAPE OPERATION time counter	TH1345 50Hz	1	
106	74341327 (27152069)	TAPE OPERATION time counter	TH1346 60Hz	1	
107	74341326 (27152068)	POWER ON time counter	TH1345 50Hz	1	
108	74341327 (27152069)	POWER ON time counter	TH1346 60Hz	1	
130	74340927	Option box ass'y	6230242	1	
131	74340931	Box panel	6230240	1	
132	74355821	Pan head machine screw	M3 x 8	10	
133	74353501 (74307605)	Washer	M3	10	
134	74353601 (74307612)	Spring washer	M3	10	
135	74340932	Box cover	6230241	1	
136	74340936	Legend plate	965199	1	
137	74307620	Pan head machine screw	M3 x 10	4	
138	74353501 (74307605)	Washer	M3	4	
139	74353601 (74307612)	Spring washer	M3	4	
140	74340951	Pilot light (LED)	BD1401R (red)	2	
141	74340952	Pilot light (LED)	BD1403A (amber)	1	
142	74341411 (74308126)	Code lock	NC-1	1	
143	74340957	Grommet	MG-4	3	
144	74340937	Sticker (cycle counter)	828593	1	
145	44028815	Countersink head machine screw	M3 x 10	4	
146	74340938	Sticker (cycle timer)	828594	1	
147	74340939	Sticker (press counter)	828595	1	
148	74340940	Sticker (hour meter)	828596	1	
149	74340945	Override panel	6230278	1	
150	74341611 (74308611)	Toggle switch	S-6A	1	
151	74341521	Push button switch	AH30-FY30	1	
152	74340425	Option cable	6230235	1	
153	74340426	CUX cable	6230215	1	
154	74340427	OVR cable	6230236	1	
155	74341411 (74308126)	Code lock	NC-1	3	

Unit No. 10
Electric II

From serial No. P2440202 and after.



Unit No. 10

Electric II

From serial No. P2440202 and after.

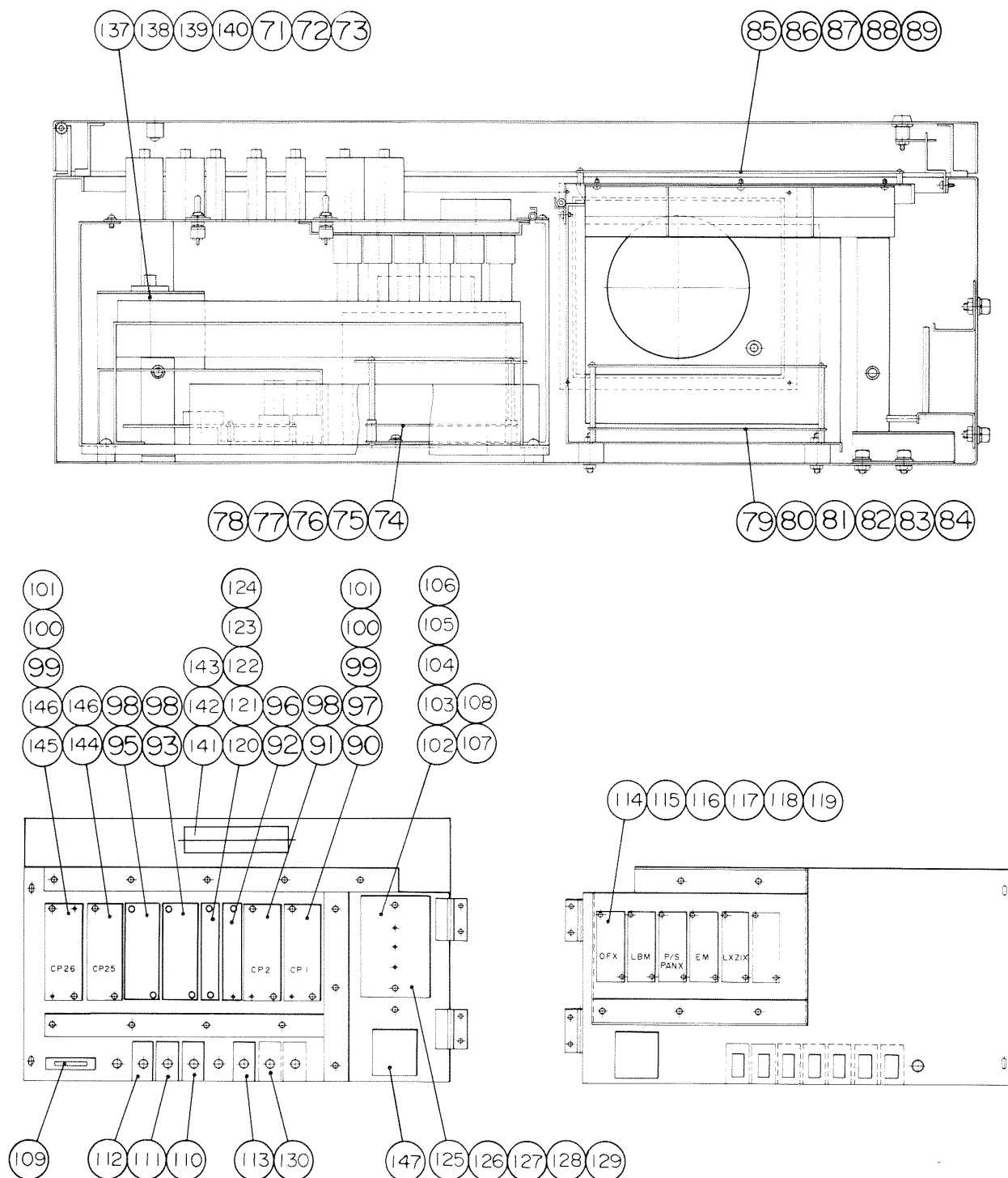
Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
1	74342629	Transformer (TF1)	TL-SA4M-95 860VA	1	
2	74355817 (74303113)	Pan head machine screw	M6 x 8	4	
3	74353503 (44027930)	Washer	M6	4	
4	74353604 (44027928)	Spring washer	M6	4	
5	74342531	Rectifier	S5VB20	1	
6	74355802	Pan head machine screw	M3 x 12	1	
7	74353501 (74307605)	Washer	M3	1	
8	74353601 (74307612)	Spring washer	M3	1	
9	74343429	Limit switch	Z-15GQ-B	1	
10	74355806 (10337027)	Pan head machine screw	M4 x 10	2	
11	74353502 (74300510)	Washer	M4	2	
12	74353602 (44027327)	Spring washer	M4	2	
13	74342607	Condenser (C1)	L type 2200 μ F 50WV	1	
14	74355821	Pan head machine screw	M3 x 8	2	
15	74353501 (74307605)	Washer	M3	2	
16	74353601 (74307612)	Spring washer	M3	2	
17	74342517	Resistor (R3)	100 Ω 20W	1	
18	74355805 (74306414)	Pan head machine screw	M4 x 8	2	
19	74353502 (74300510)	Washer	M4	2	
20	74353602 (44027327)	Spring washer	M4	2	
21	74342411 (74164309)	Magnet contactor (MFA)	SRC3631-02 AC100V	1	
22	74342725 (74164321)	Noise filter	ENB221C-14A	1	
23	74355808	Pan head machine screw	M4 x 15	3	
24	74353502 (74300510)	Washer	M4	3	
25	74353602 (44027327)	Spring washer	M4	3	
28	74342725 (74164321)	Noise filter	ENB221C-14A	2	
29	74342726 (71108402)	Noise filter	Z15L-102	6	
30	74355808	Pan head machine screw	M4 x 15	3	
31	74353502 (74300510)	Washer	M4	3	
32	74353602 (44027327)	Spring washer	M4	3	
33	74342618	Block terminal (TB1)	TU-30 x 4P	4	
34	74342619	Block terminal (TB1)	TU-30S x 7P	7	
36	74342801	Bar	TUB $\varnothing$ 400	2	
37	74342806	Hold piece	TULW	4	
38	74355814 (58250511)	Pan head machine screw	M5 x 8	2	
39	74353507 (44552819)	Washer	M5	2	
40	74353603 (44027927)	Spring washer	M5	2	
41	74355805 (74306414)	Pan head machine screw	M4 x 8	4	
42	74353502 (74300510)	Washer	M4	4	
43	74353602 (44027327)	Spring washer	M4	4	

Unit No. 10

Electric II

From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
44	74342401	Fan motor	TA600 A30826-10	1	
45	74342319	Fan guard	FG-60001	1	
46	74355805 (74306414)	Pan head machine screw	M4 x 8	2	
47	74342502	Circuit board	S01-00180A	1	
48	74342309	Connector bushing	NA315, NB300	4	
49	74355803	Pan head machine screw	M3 x 20	4	
50	74353501 (74307605)	Washer	M3	4	
51	74353601 (74307612)	Spring washer	M3	4	
52	74342601 (74308201)	Connector	ESB-1	1	
53	74342314	Grommet	MG-15	1	
131	74342420	Magnet switch (MDF)	SW-1N 18~26A (230V)	1	
132	74342421	Magnet switch (MDF)	SW-1N 9~13A (460V)	1	
133	74342418	Magnet switch (MDS)	SRCa3931-02 5~8A (230V)	1	
134	74342419	Magnet switch (MDS)	SRCa3931-02 2.8~4.2A (460V)	1	
135	74342620	Block terminal (TB2)	TU-15W x 42B	2	
136	74342802	Bar	TUB $\varnothing$ 200	2	
	Manipulator (option)				
54	74342512	Control relay (OP. HFN)	HH54P DC24V	2	
55	74342814	Socket	TP514S1	2	
56	74342612 (74163623)	Diode	S1B01-02	2	
57	74355807 (52106232)	Pan head machine screw	M4 x 12	4	
58	74353502 (74300510)	Washer	M4	4	
59	74353602 (44027327)	Spring washer	M4	4	
	Auto-index (option)				
60	74342503	Circuit board	S01-00181	1	
61	74342326	Spacer	M3 $\varnothing$ 10	4	
62	74354901	Countersink head machine screw	M3 x 20	4	
63	74353401 (74307616)	Nut	M3	4	
64	74353501 (74307605)	Washer	M3	4	
65	74353601 (74307612)	Spring washer	M3	4	
66	74355805 (74306414)	Pan head machine screw	M4 x 8	4	
67	74353502 (74300510)	Washer	M4	4	
68	74353602 (44027327)	Spring washer	M4	4	



Unit No. 10

Electric II

From serial No. P2440202 and after.

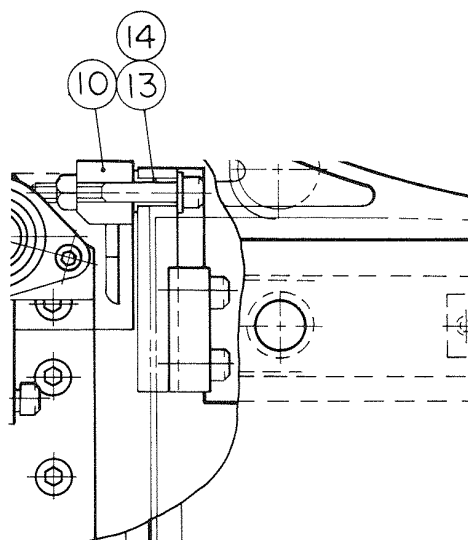
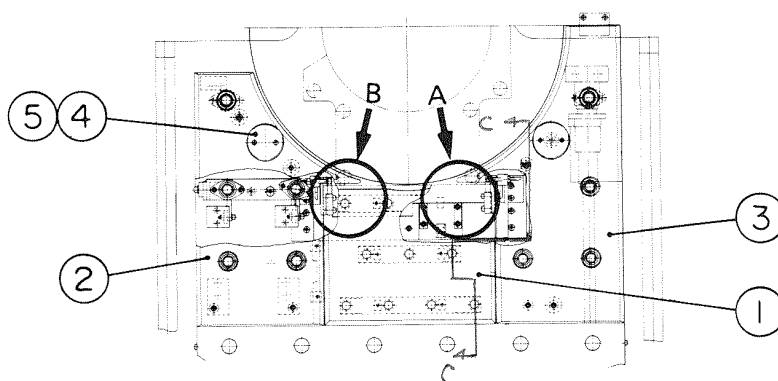
Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
71	74355811	Pan head machine screw	M4 x 30	4	
72	74353502 (74300510)	Washer	M4	4	
73	74353602 (44027327)	Spring washer	M4	4	
74	74342504	Circuit board	S01-00185	1	
75	74342309	Connector bushing	NA315, NB300	4	
76	74355804	Pan head machine screw	M3 x 25	4	
77	74353501 (74307605)	Washer	M3	4	
78	74353601 (74307612)	Spring washer	M3	4	
79	74342501 (74166223)	Circuit board	OPT1-4	1	
80	74342324	Spacer	M3 $\varnothing$ 15	4	
81	74353401 (74307616)	Nut	M3	4	
82	74355803	Pan head machine screw	M3 x 20	4	
83	74353501 (74307605)	Washer	M3	4	
84	74353601 (74307612)	Spring washer	M3	4	
85	74342331	Acrylic cover	M3-00155a	1	
86	74342325	Spacer	SN1	6	
87	74355801 (10555916)	Pan head machine screw	M3 x 6	6	
88	74353501 (74307605)	Washer	M3	6	
89	74353601 (74307612)	Spring washer	M3	6	
90	74342706	Circuit protector (CP-1)	CP32E/7.5 AC100V	1	
91	74342703	Circuit protector (CP-2)	CP32E/2.5WD AC30V 2.5A	1	
92	74342705	Circuit protector (CP-3)	CP31E/5DDC DC24V 5A	1	
93	74342701	Circuit protector (CP-23)	CP32E/0.5W AC100V 0.5A	1	
95	74342702	Circuit protector (CP-26)	CP32E/2.5W AC100V 2.5A	1	
96	74342815	Socket	CP-S1	1	
97	74342816	Socket	CP-S2	1	
98	74342817	Socket	CP-S2C	3	
99	74355807 (52106232)	Pan head machine screw	M4 x 12	14	
100	74353502 (74300510)	Washer	M4	14	
101	74353602 (44027327)	Spring washer	M4	14	
102	74342102	Fuse holder	30325	1	
103	74342522	Fuse (FU1, 2, 3, 4)	ATM-A6Y-2 1A	3	
104	74342524	Fuse (FU10A, 10B)	ATM-A6Y-2 10A 200/230V	2	
105	74342523	Fuse	ATM-A6Y-2 5A 400/460V	2	
106	74355809	Pan head machine screw	M4 x 20	2	
107	74353502 (74300510)	Washer	M4	2	
108	74353602 (44027327)	Spring washer	M4	2	
109	74342406	Hour meter	TM25A100-100	1	
110	74342424	Toggle switch (SW5)	WD1061	1	
111	74342424	Toggle switch (SW6)	WD1061	1	

Unit No. 10

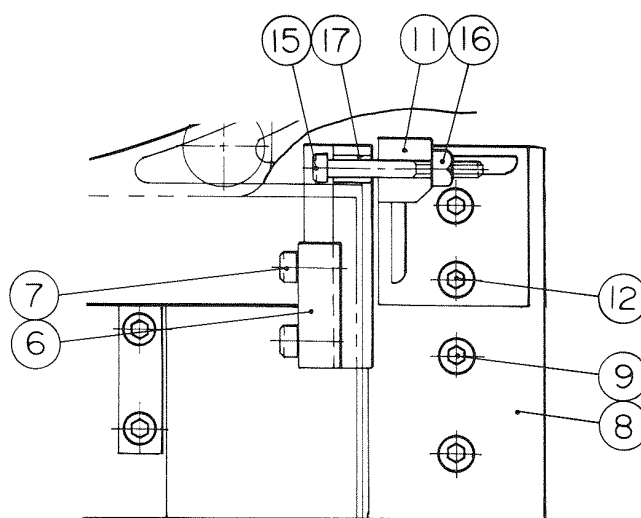
Electric II

From serial No. P2440202 and after.

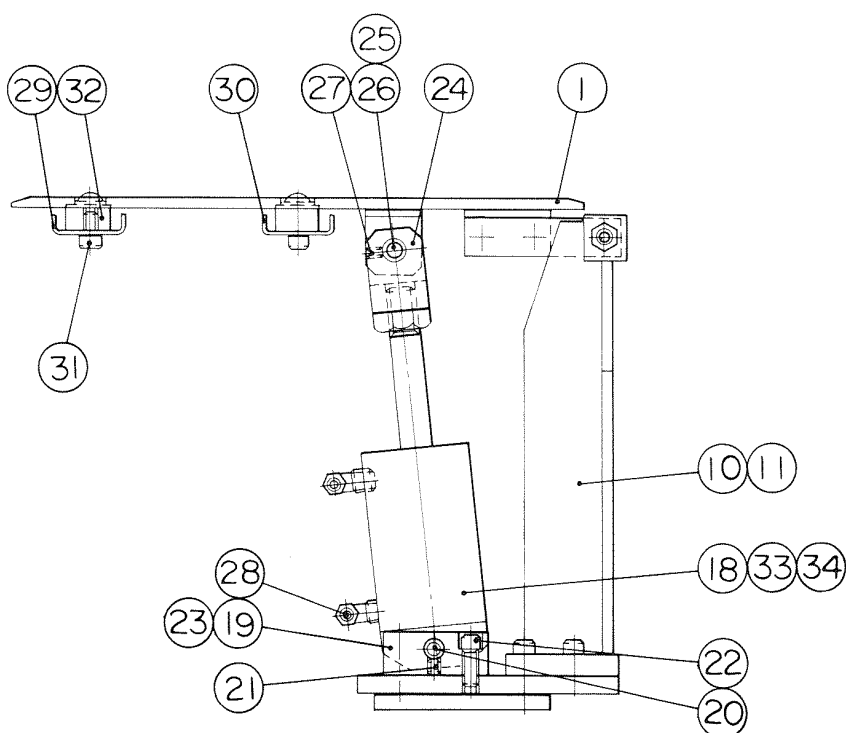
Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
112	74342424	Toggle switch (SW7)	WD1061	1	
113	74342424	Toggle switch (SW)	WD1061	1	
114	74342512	Control relay	HH54P DC24V	5	
115	74342716	Socket	TP514S ₁	5	
116	74342612 (74163623)	Diode	S1B01-02	5	
117	74355807 (52106232)	Pan head machine screw	M4 x 12	10	
118	74353502 (74300510)	Washer	M4	10	
119	74353602 (44027327)	Spring washer	M4	10	
137	74342303	Motor breaker (NFB10)	BU-ECA-3030LW 200/230V	1	
138	74342304	Motor breaker (NFB10)	BU-ESA-3015LW 400/460V	1	
139	74342305	Motor breaker (NFB15)	BU-ECA-3010LW 200/230V	1	
140	74342306	Motor breaker (NFB15)	BU-ESA-3015LW 400/460V	1	
141	74342525	Fuse (Fu14A)	ATM-A6Y-2 5A	1	
142	74342526	Fuse (Fu14B)	ATM-A6Y-2 3A	1	
143	74342103 (36112612)	Fuse holder	30322	2	
144	74342707	Circuit protector (CP-29)	CP32E/1W	1	
145	74342707	Circuit protector (CP-30)	CP32E/1W	1	
146	74342816	Socket	CP-S2	2	
147	74342717	Thermo adjuster	PYE-AHA11-C	1	
	Auto-index (option)				
120	74342704	Circuit protector (CP10)	CP31E/3WD AC30V 2.5A	1	
121	74342818	Socket	CP-S1A	1	
122	74355807 (52106232)	Pan head machine screw	M4 x 12	2	
123	74353502 (74300510)	Washer	M4	2	
124	74353602 (44027327)	Spring washer	M4	2	
125	74342101	Fuse holder	30321	1	
126	74342522	Fuse	ATM-A6Y-2 1A	1	
127	74355809	Pan head machine screw	M4 x 20	1	
128	74353502 (74300510)	Washer	M4	1	
129	74353602 (44027327)	Spring washer	M4	1	
130	74342424	Toggle switch (SW1)	WD1061	1	



DETAIL "B"



DETAIL "A"



ARROW "C"

Unit No. 11

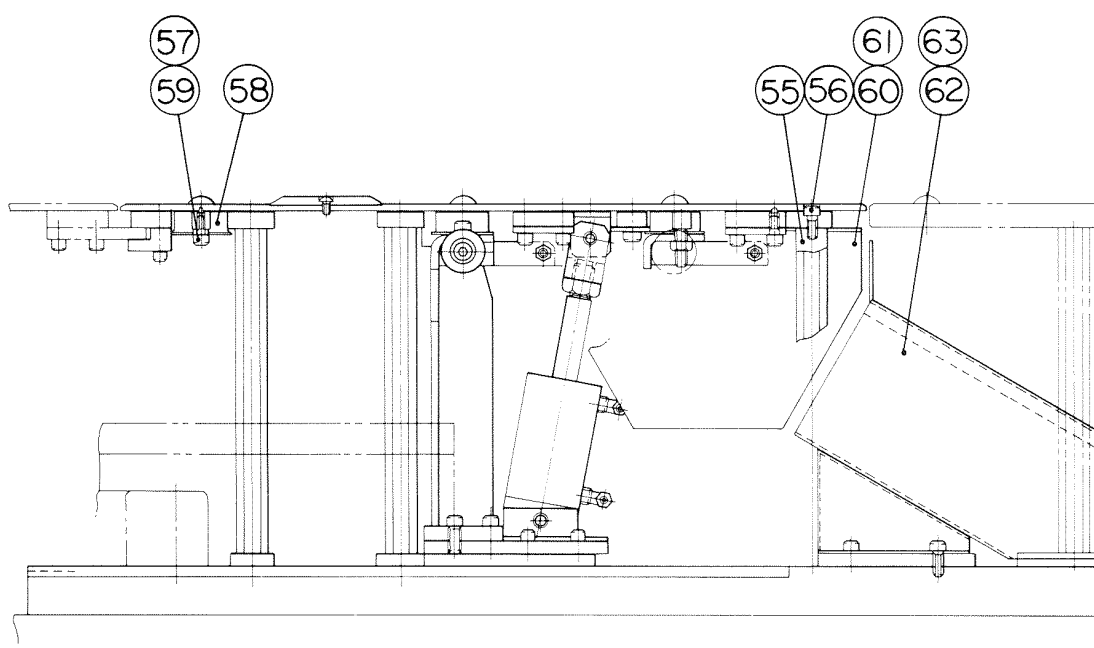
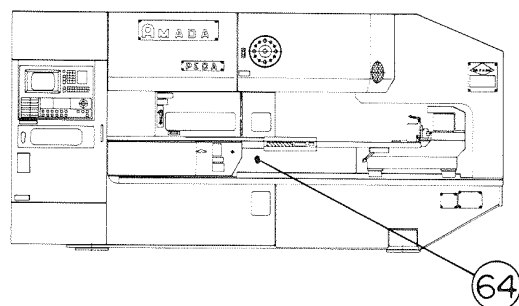
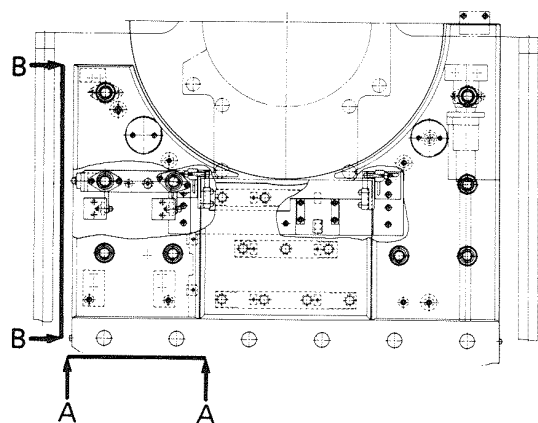
Work chute (option)

From serial No. P2440202 and after.

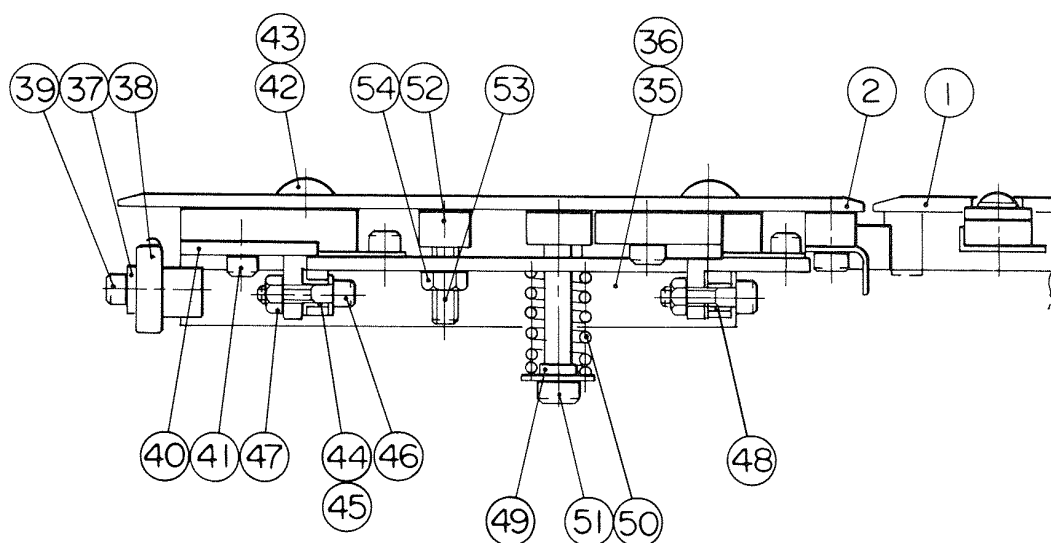
Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
1	74343823	Chute table	819221a	1	
2	74343827	Side table (F)	819236d	1	
3	74343828	Side table (R)	819237d	1	
4	74343616	Repositioning base	813521	2	
5	74355403	Button head socket screw	M6 x 10	4	
6	74343901	Hinge plate	819222a	2	
7	74354404 (21415514)	Cap screw	M8 x 25	4	
8	74343906	Base plate	819224	1	
9	74354402 (44235241)	Cap screw	M8 x 20	5	
10	74343806	Hinge bracket (F)	819226b	1	
11	74343807	Hinge bracket (R)	819225b	1	
12	74354402 (44235241)	Cap screw	M8 x 20	4	
13	74344302 (74314921)	Oilless metal bushing	MB0808-15FDU	1	
14	74344224 (56127502)	Oilless metal washer	WC06DUN	1	
15	74354411	Cap screw	M8 x 60	2	
16	74353407 (10001517)	Nut	M8	2	
17	74344303 (10560208)	Oilless metal bushing	MB0812DU	1	
18	74344201	Air cylinder	CDQ1C50-01-36788	1	
19	74343916	Block	819227	2	
20	74343921	Pin	819228	1	
21	74353902 (10560028)	Set screw (cone end)	M6 x 6	2	
22	74354402 (44235241)	Cap screw	M8 x 20	4	
23	74344305	Oilless metal bushing	MB1215-20FDU	2	
24	74344001	Clevis	819229	1	
25	74344304 (10314026)	Oilless metal bushing	MB1215DU	1	
26	74343926	Clevis pin	819230	1	
27	74353902 (10560028)	Set screw (cone end)	M6 x 6	2	
28	74344214	Elbow	4E32-2604	2	
29	74343621	F.B. base (A)	819240a	2	
30	74343622	F.B. base (B)	819241	1	
31	74354330 (36329937)	Cap screw	M8 x 10	6	
32	74344206	Free stroke bearing	C-5SA	11	
33	74343814	Cable L-10	818855-10	1	
34	74343815	Cable L-11	818855-11	1	

Unit No. 11
Work chute (option)

From serial No. P2440202 and after.



ARROW "B"



ARROW "A"

Unit No. 11

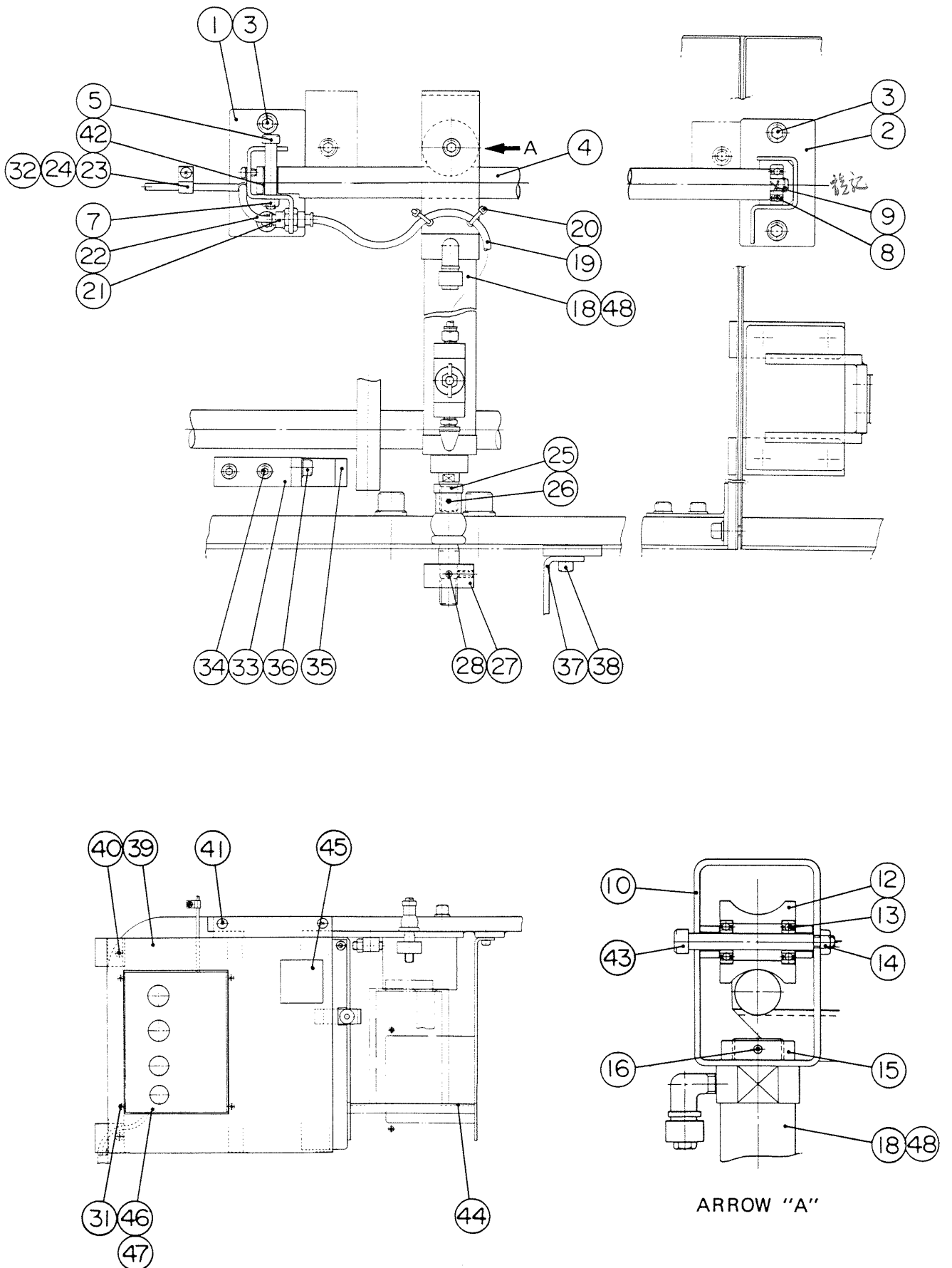
Work chute (option)

From serial No. P2440202 and after.

[illegible]

Unit No. 12
Tool balancer (option)

From serial No. P2440202 and after.



Unit No.12

Tool balancer (option)

From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
1	74345111	Bracket (1)	819293	1	
2	74345112	Bracket (2)	819294	1	
3	74354427 (44028616)	Cap screw	M12 x 30	4	
4	74345206	Shaft	819295	1	
5	74345701	Stripper bolt	MSB10-45	1	
7	74353408	Nut	M8 (type 1)	1	
8	74345717 (52108927)	Ball bearing	#6300ZZ	1	
9	74345615 (10205431)	Snap ring	STW-10	1	
10	74345121	Roller bracket	819296a	1	
12	74345211	Roller	819297a	1	
13	74345716 (52108926)	Ball bearing	#6000ZZ	2	
14	74353408	Nut	M8 (type 1)	1	
15	74345221	Nut	819299a	1	
16	74353923	Set screw (knurl end)	M6 x 12	1	
18	74345601 (74310601)	Air cylinder	SCDB ϕ 40 - 300st	1	
19	74345802	Tube	UT-06-1B	1	
20	74345620 (74307821)	Band	CV-150	2	
21	74345630	Union	SLX-060	1	
22	74345801 (21104225)	Tube	N2-4-6 x 4 3 m	1	
23	74345610 (62171547)	Saddle	PZ-0108	5	
24	74355818 (10325312)	Pan head machine screw	M6 x 10	5	
25	74345605 (74165732)	Link ball	RBIW-14	1	
26	74345709 (74310525)	Spring pin	ϕ 4 x 20	1	
27	74345216	Knob	819298	1	
28	74353923	Set screw (knurl end)	M6 x 12	2	
31	74354317 (74302812)	Cap screw	M6 x 10	6	
32	74345625	Half union	SLH-062	2	
33	74345226	Stopper	819300a	1	
34	74354402 (44235241)	Cap screw	M8 x 20	2	
35	74345306	Catch	819303	2	
36	74354330 (36329937)	Cap screw	M8 x 10	2	
37	74345230	Tool support	819301b	1	b: Jan. '88 ~
38	74354402 (44235241)	Cap screw	M8 x 20	4	
39	74345302	Corner cover	819302a	1	
40	74354334 (73157630)	Cap screw	M8 x 15	2	
41	74355605	Truss head machine screw	M8 x 15	2	
42	74345725	Oilless metal bushing	MB1010-18FDU	2	
43	74345703	Stripper bolt	819308	1	
44	74345313	Rubber plate	819306a	1	a: Jan. '88 ~
45	74345107	Legend plate (balancer)	819304a	1	

Unit No.12
Tool balancer (option)

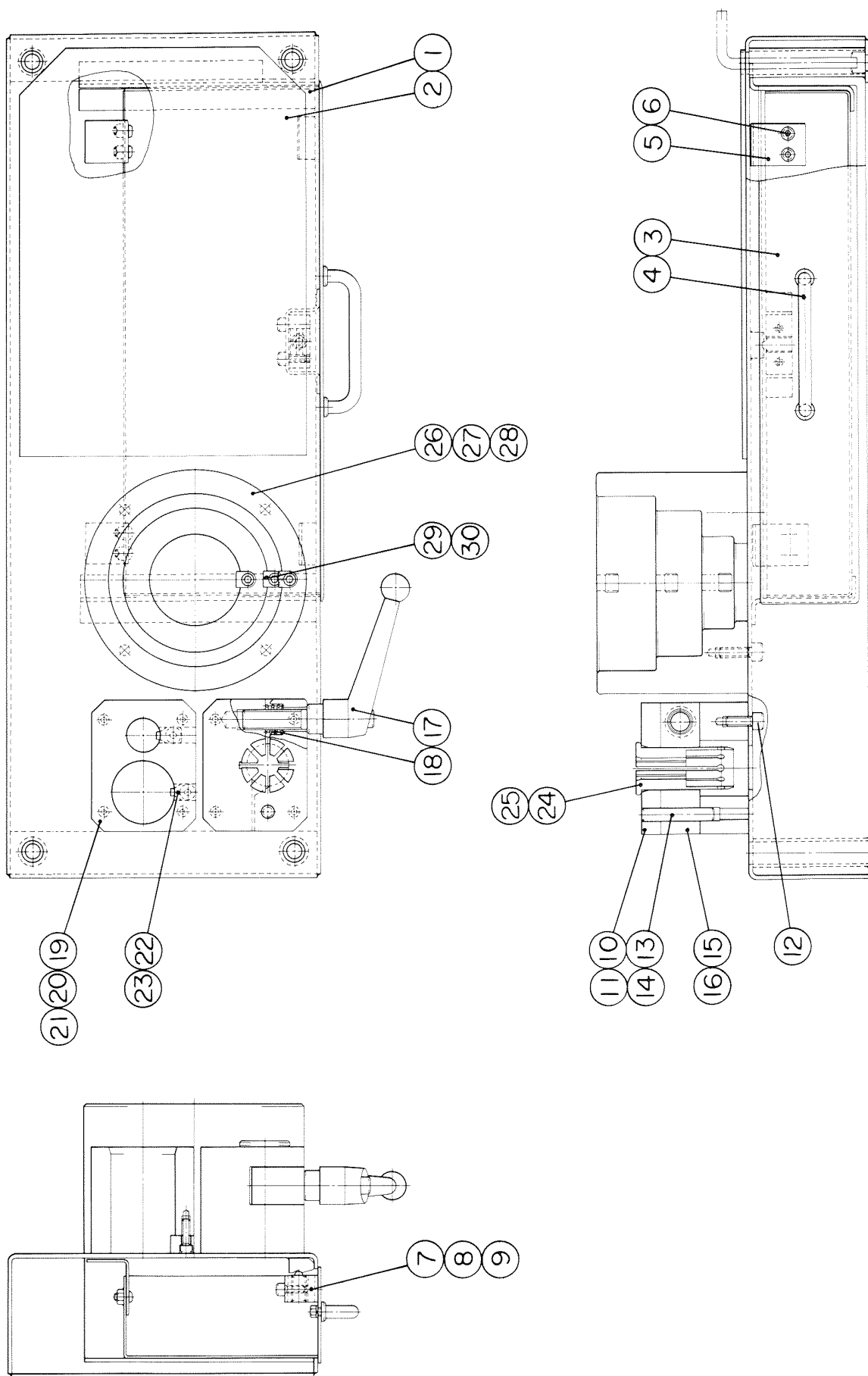
From serial No. P2440202 and after.

[illegible]

Unit No. 13

Punch assembling jig (option)

From serial No. P2440202 and after.



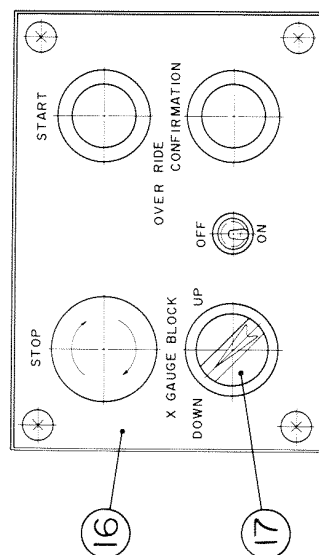
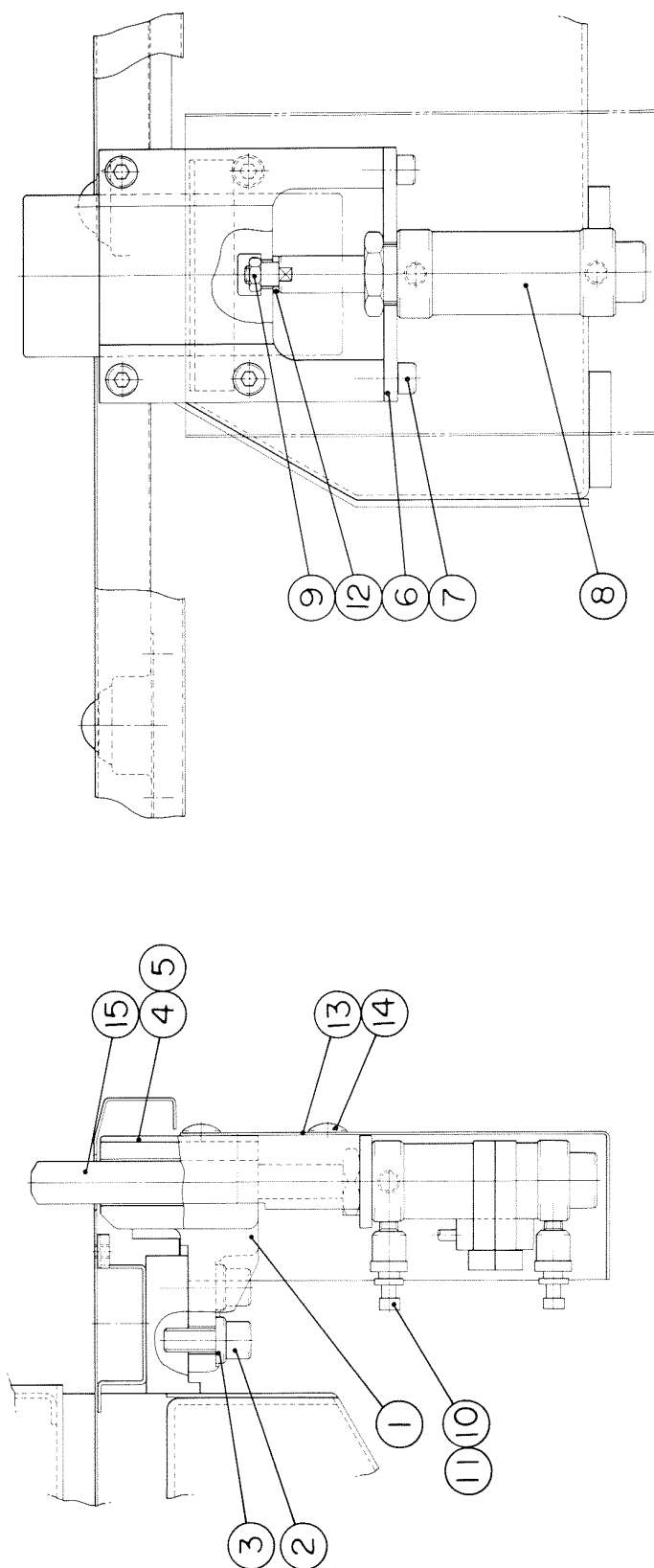
Unit No. 13

Punch assembling jig (option)

From serial No. P2440202 and after.

[illegible]

Unit No. 14
Pneumatic X-gauge block (option) From serial No. P2440202 and after.

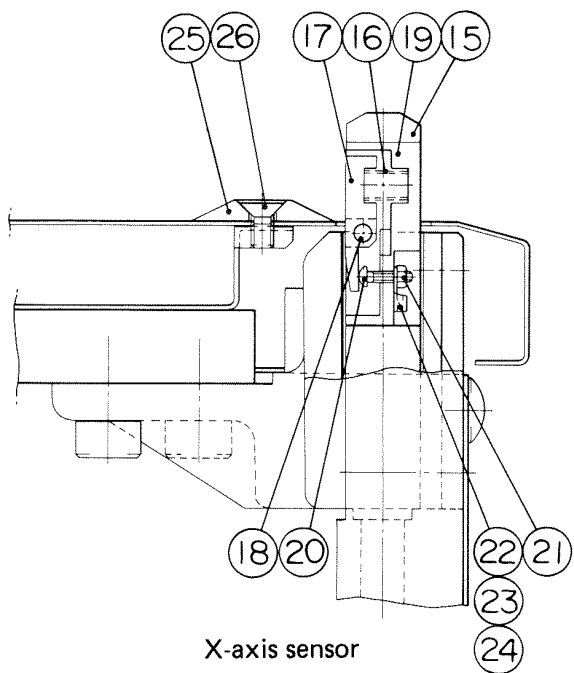


Unit No. 14

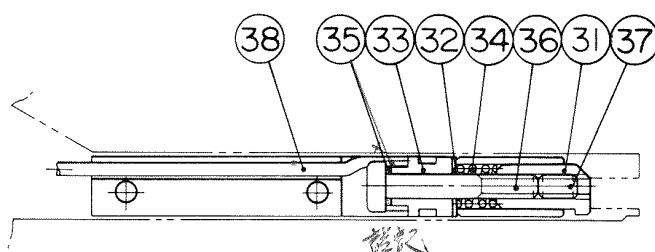
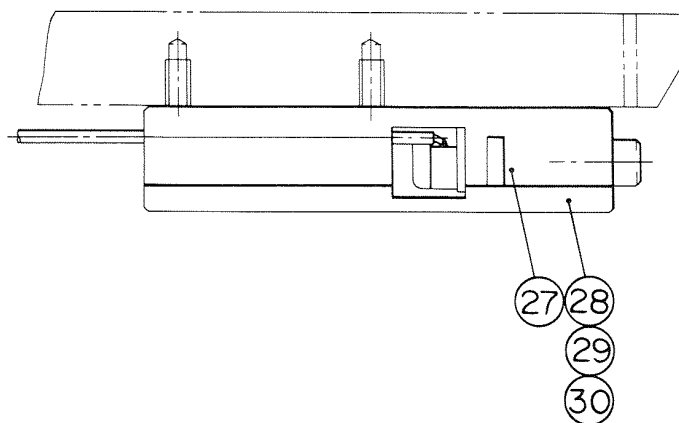
Pneumatic X-gauge block

From serial No. P2440202 and after.

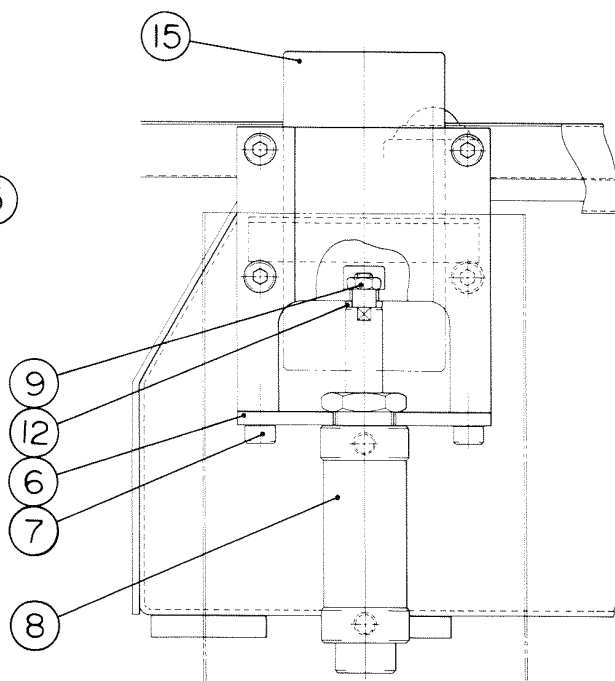
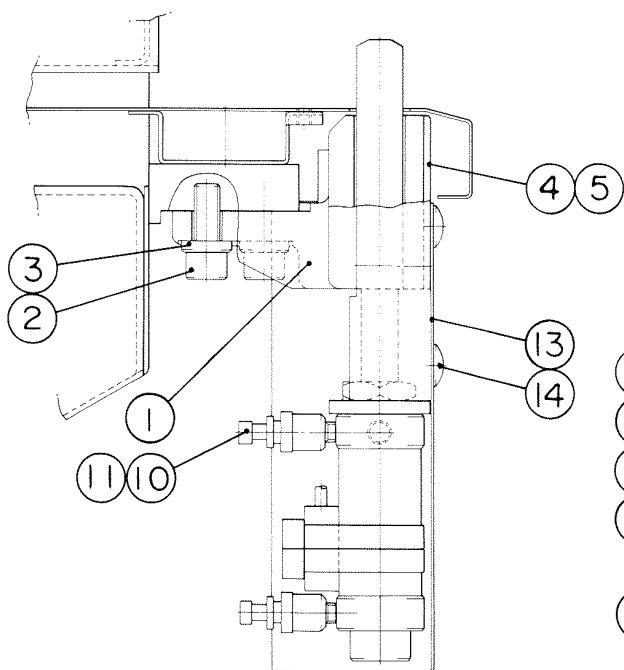
[illegible]



X-axis sensor



Y-axis sensor



Unit No.15

Work positioning detector (option)

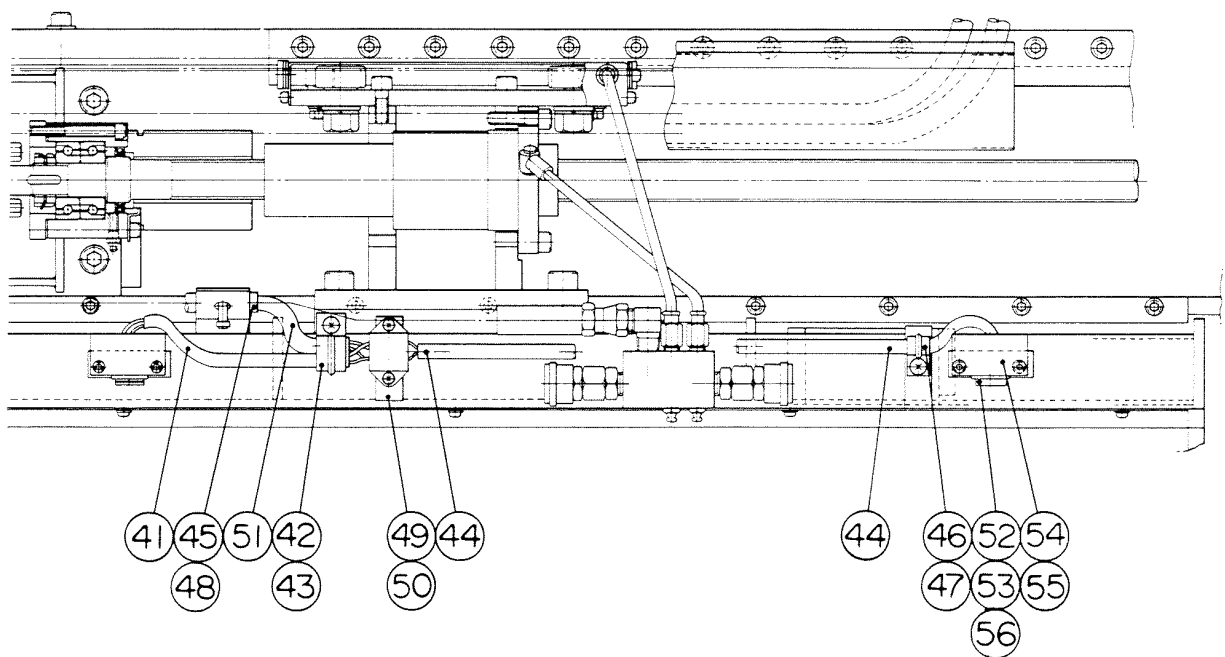
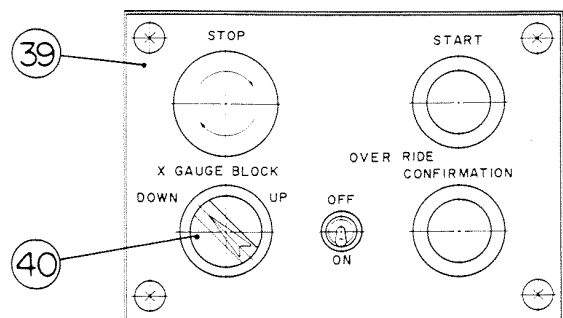
From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
1	74347311	Guide bracket	819321a	1	
2	74354427 (44028616)	Cap screw	M12 x 30	4	
3	74347301	Washer	813535	4	
4	74347316	Guide	819322	1	
5	74354407 (38020507)	Cap screw	M8 x 35	4	
6	74347326	Cylinder support	819325	1	
7	74354402 (44235241)	Cap screw	M8 x 20	2	
8	74347806	Air cylinder	7931044	1	
9	74353409 (36329932)	Nut	M8 (type 3)	1	
10	74347811	Speed controller	PSC-PT 1/8''-0	2	
11	74347816	Tube	N2-4-6 x 4 10 m	1	
12	74347330	Collar	819326	1	
13	74347401	Cover	819327	1	
14	74355603 (10557119)	Truss head machine screw	M8 x 10	4	
15	74347322	Stopper (with sensor)	819324	1	
16	74347230	Spring	829622a	1	
17	74347501	X-axis sensor	829974	1	
18	74347511	Straight pin	829975	1	
19	74347219	Insulator	829976a	1	
20	74356301	Slotted head machine screw	M3 x 12	1	
21	74353402	Nut	M3 (type 3)	1	
22	74347831	Lug terminal		1	
23	74347204	Cable TS-4	6230095-04	1	
24	74347821	Marker tube	1.25 mm ² 10 mm	1	
25	74347306	Base (A)	819255a	3	a: Sep. '87 ~
26	74354903	Countersink head machine screw	M6 x 15	6	
27	74347416	Sensor holder (L)	826222	2	
28	74347406	Sensor cover (L)	826223	2	
29	74355407	Button head socket screw	M5 x 30	4	
30	74353603 (44027927)	Spring washer	M5	4	
31	74347506	Y-axis sensor	826226	2	
32	74347213	Spacer	809809	2	
33	74347218	Insulator	809813	2	
34	74347226	Sensor spring	809814	2	
35	74347426	Terminal plate	829968a	2	a: Jan. '88 ~
36	74347430	Terminal screw	829971	2	
37	74353701 (10342302)	Set screw (flat end)	M5 x 8	2	
38	74347205	Cable	0.5 mm ² 1-core 1.5 m	2	

Unit No. 15

Work positioning detector (option)

From serial No. P2440202 and after.

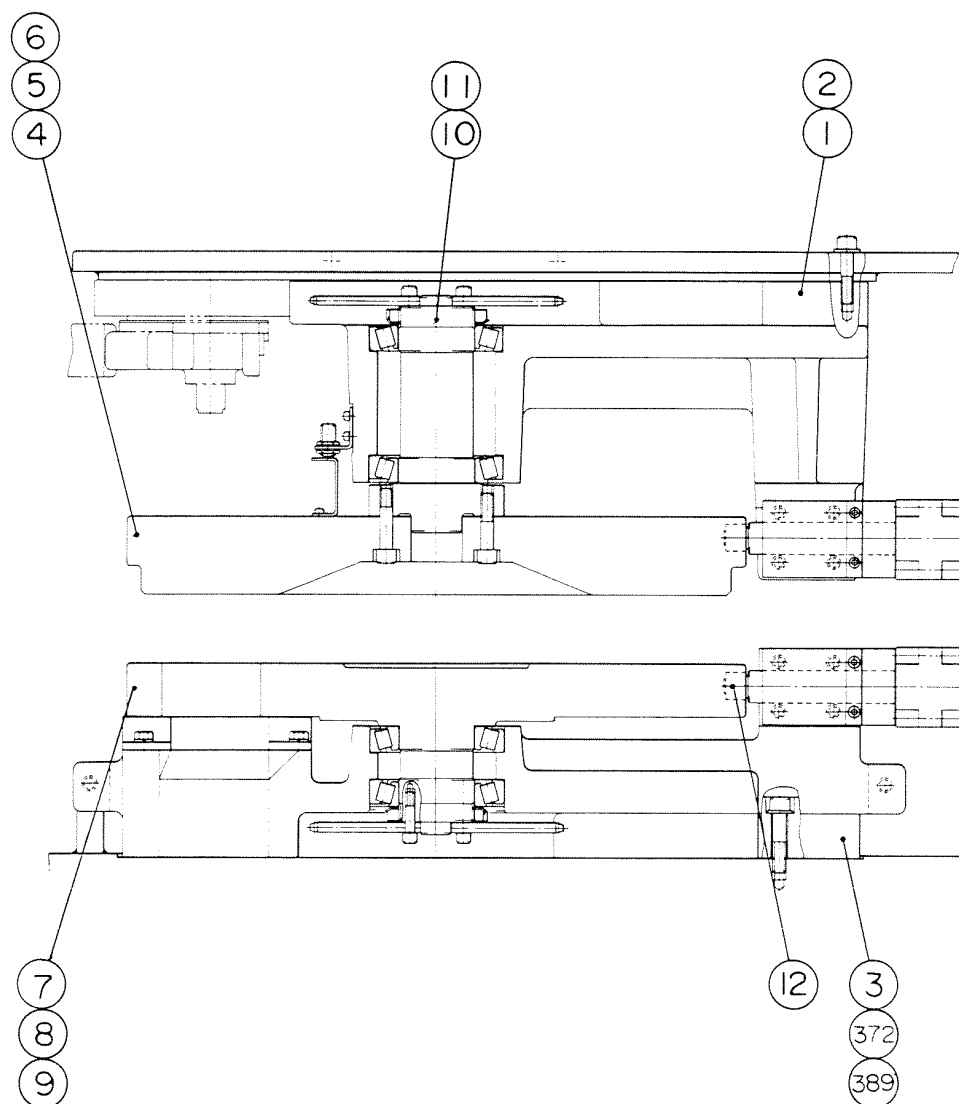


Unit No. 15

Work positioning detector (option)

From serial No. P2440202 and after.

[illegible]



Unit No. 16

Auto-index (option)

From serial No. P2440202 and after.

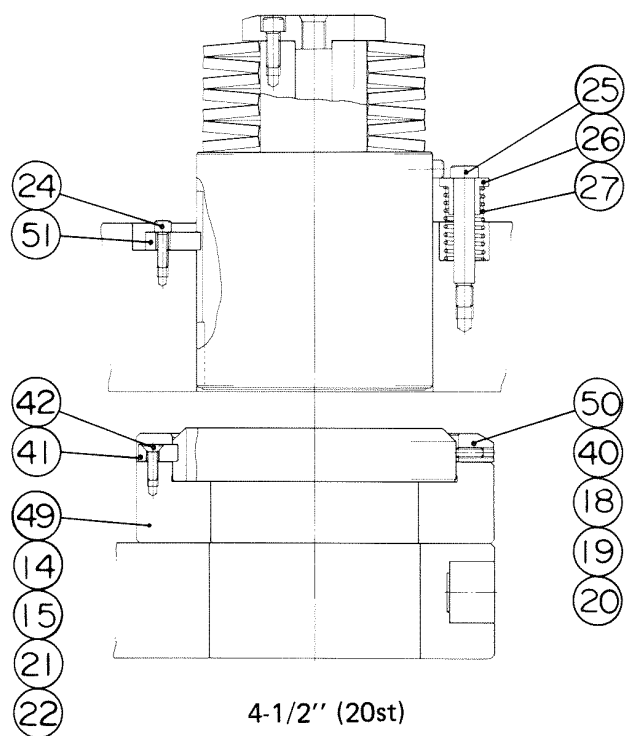
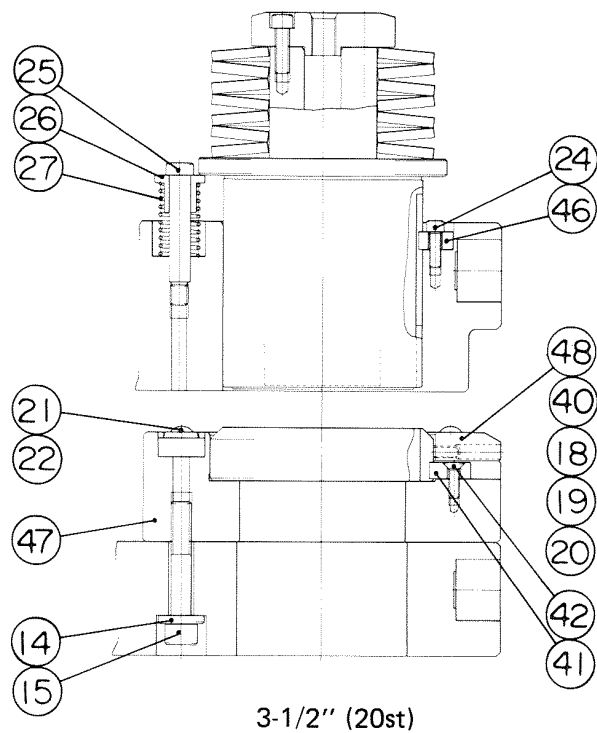
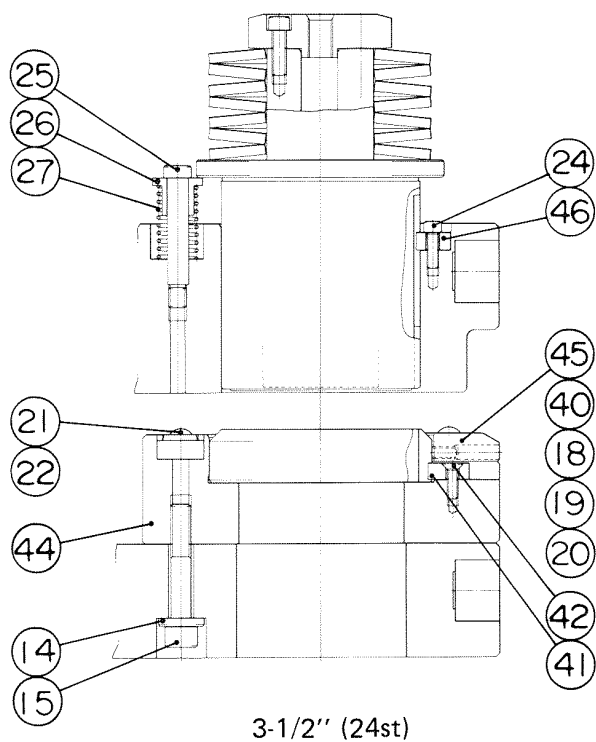
[illegible]

Unit No. 16

Auto-index (option) H-type tool holder

From serial No. P2440202 and after.

[illegible]

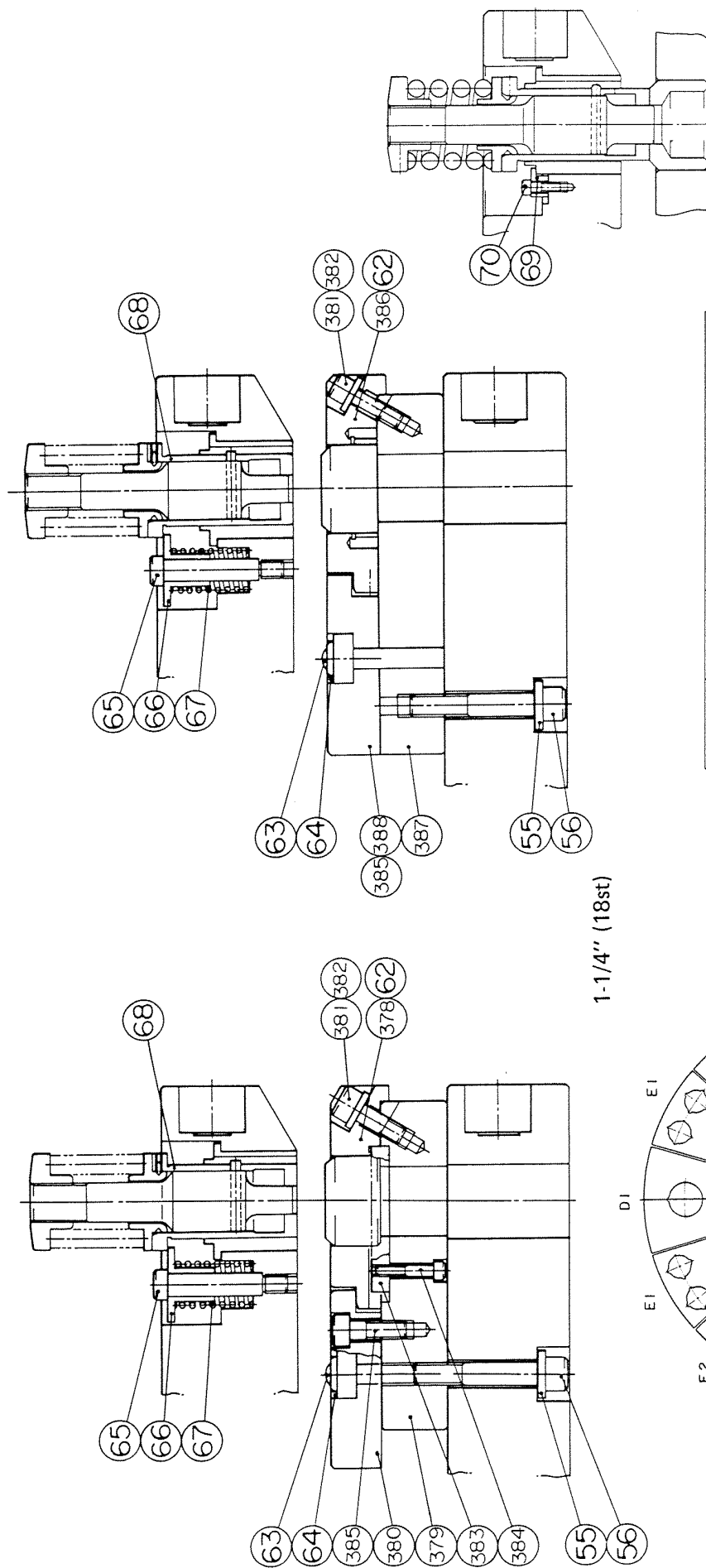


Unit No. 16

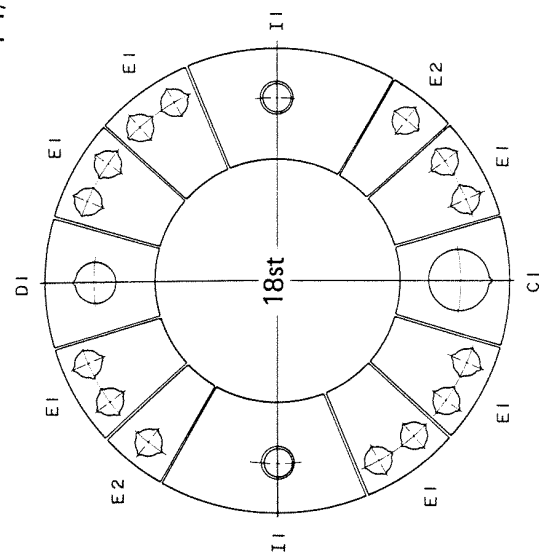
Auto-index (option) H-type tool holder

From serial No. P2440202 and after.

[illegible]



Symbol	Size	Die holder	Die spacer	Q'ty
C1	3-1/2"	85	86	1
D1	2"	74	75	1
E1	1-1/4"	378	379	6
E2	1-1/4"	386	387	2
I1	A1	176	181	2

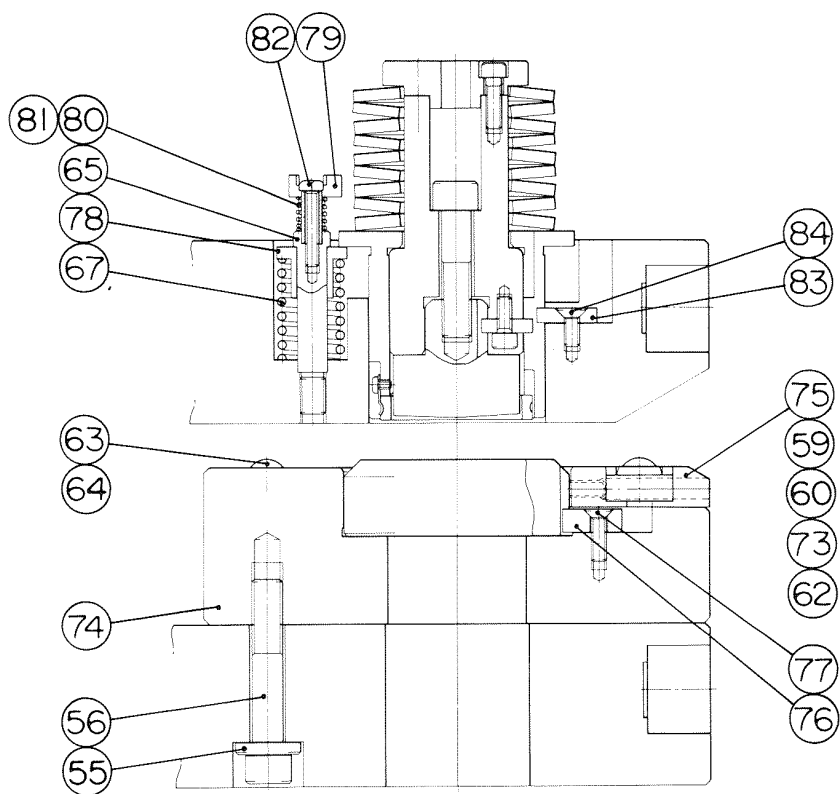


Unit No. 16

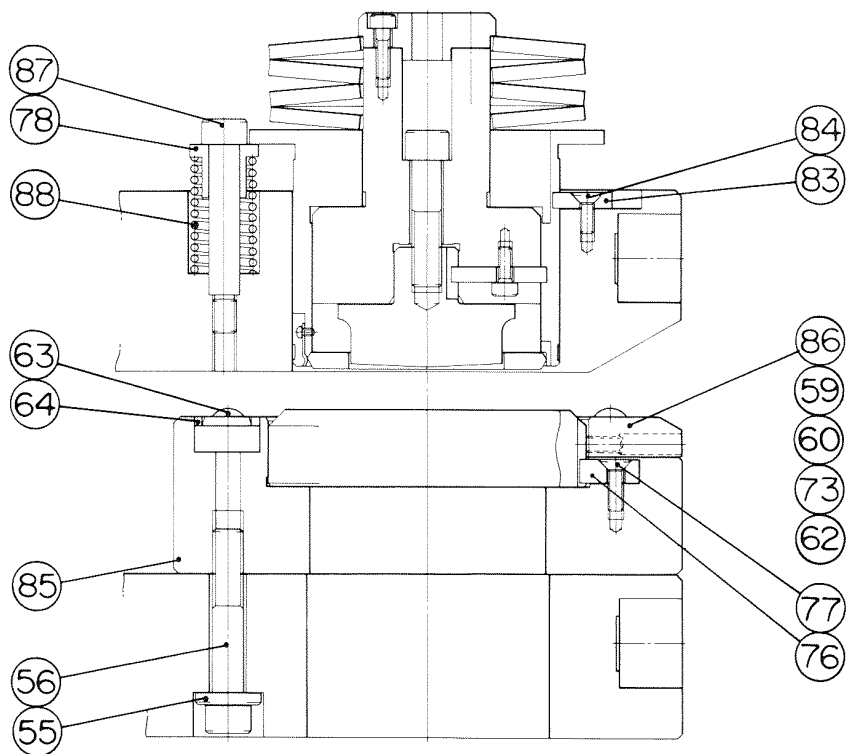
Auto-index (option) L-type tool holder

From serial No. P2440199, 200, 230, 231, 233~

[illegible]



2" (18st)



3-1/2" (18st)

Unit No. 16

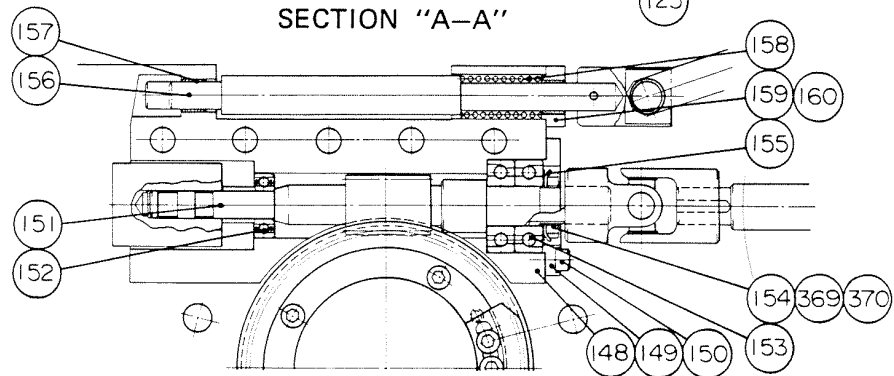
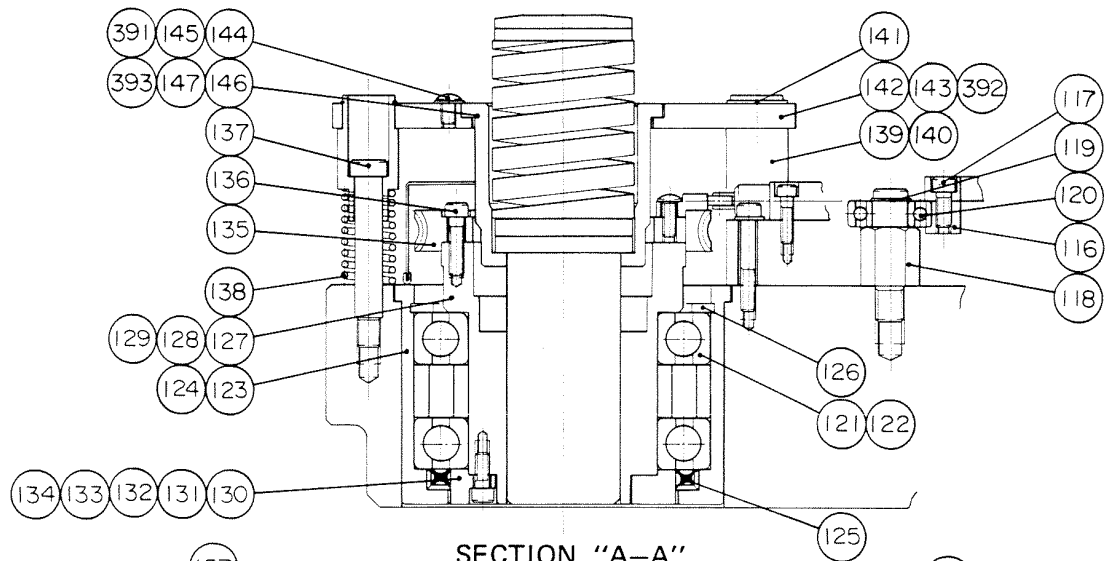
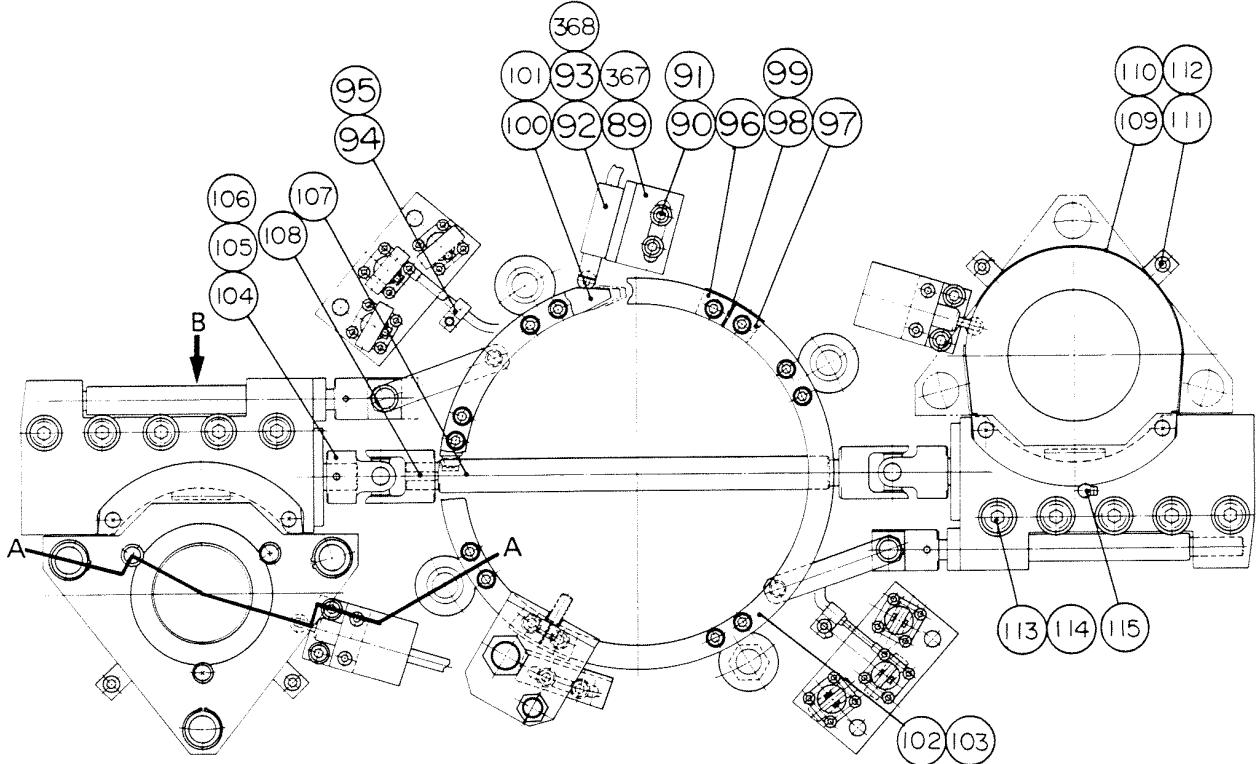
Auto-index (option) L-type tool holder

From serial No. P2440202 and after.

[illegible]

Unit No. 16
Auto-index (option) upper turret

From serial No. P2440202 and after.



DETAIL "B"

Unit No. 16

Auto-index (option)

From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
89	74350806	L.S. bracket	812141	1	~ Mar. '87
90	74354321 (74302815)	Cap screw	M6 x 20	4	
91	74353503 (44027930)	Washer	M6	4	
92	74351721	Limit switch	14CE3-1	1	~ Mar. '87
93	74354315 (74314404)	Cap screw	M5 x 20	4	
94	74352128 (44027304)	Saddle	CH-6	10	
95	74354319 (74300604)	Cap screw	M6 x 15	10	
96	74350211	Ring (A)	812148a	1	a: Mar. '87 ~
97	74350212	Ring (B)	812149a	1	a: Mar. '87 ~
98	74349521	Ring joint	812151	2	
99	74354319 (74300604)	Cap screw	M6 x 15	4	
100	74349806	Hinge dog	812152a	2	a: Mar. '87 ~
101	74354319 (74300604)	Cap screw	M6 x 15	2	Q'ty 4 → 2: Mar. '87 ~
102	74351001	Hinge	812153	2	~ Mar. '87
103	74354319 (74300604)	Cap screw	M6 x 15	2	Q'ty 4 → 2: Mar. '87 ~
104	74349401 (74058995)	Universal joint	802236a	4	
105	74353921	Set screw (knurl end)	M6 x 6 (unbrako)	16	
106	74352423 (74314915)	Spring pin	φ6 x 30	4	
107	74349621	Center shaft	812081a	2	
108	74348603 (74313506)	Key	821887	4	
109	74350106	Wheel cover (thick)	812049b	2	b: Feb. '87 ~
110	74350107	Wheel cover (thin)	812219a	2	a: Feb. '87 ~
111	74354319 (74300604)	Cap screw	M6 x 15	4	
112	74355815 (74305017)	Pan head machine screw	M5 x 10	4	
113	74354501	Cap screw	M10 x 65	10	
114	74351502 (74165309)	Washer	827013b	10	
115	74351812	Grease nipple	B-φ6-P1	2	
116	74351224	Bearing guide	812038	6	Q'ty 4 → 6: Mar. '87 ~
117	74354319 (74300604)	Cap screw	M6 x 15	12	Q'ty 8 → 12: Mar. '87 ~
118	74349321	Bearing support (upper)	812040a	4	
119	74352713 (15247621)	Snap ring	STW-15	8	
120	74352103 (61163323)	Ball bearing	#6202ZZ	8	
121	74348917	Upper bearing unit (thick)	7932121	2	
122	74348916	Upper bearing unit (thin)	7932024	2	
123	74349002	Bearing holder (thick)	812045a	2	
124	74349001	Bearing holder (thin)	802224	2	
125	74352603	Oil seal	AG3982ED	2	
126	74352711	Snap ring	RTW-125	2	
127	74349201	Guide holder (thick)	812046	2	
128	74349202	Guide holder (thin)	812215a	2	

Unit No. 16

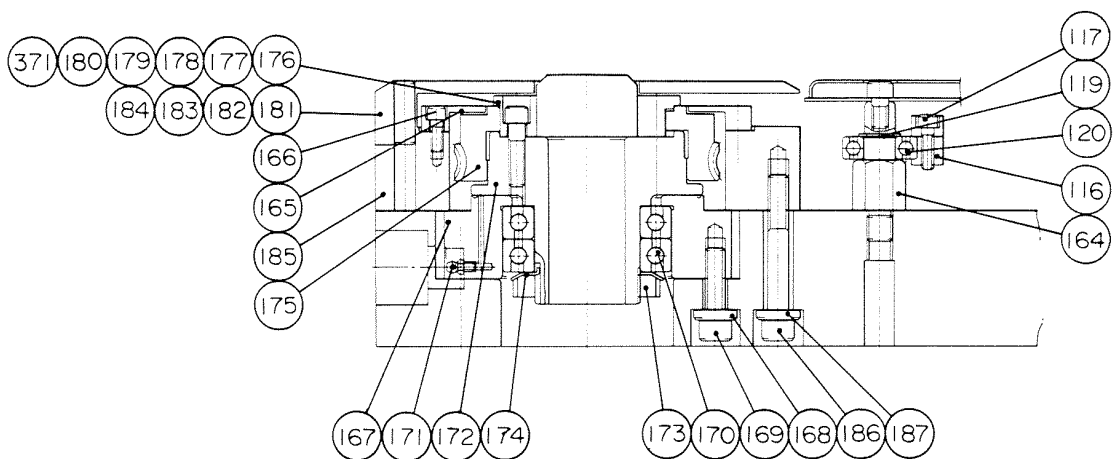
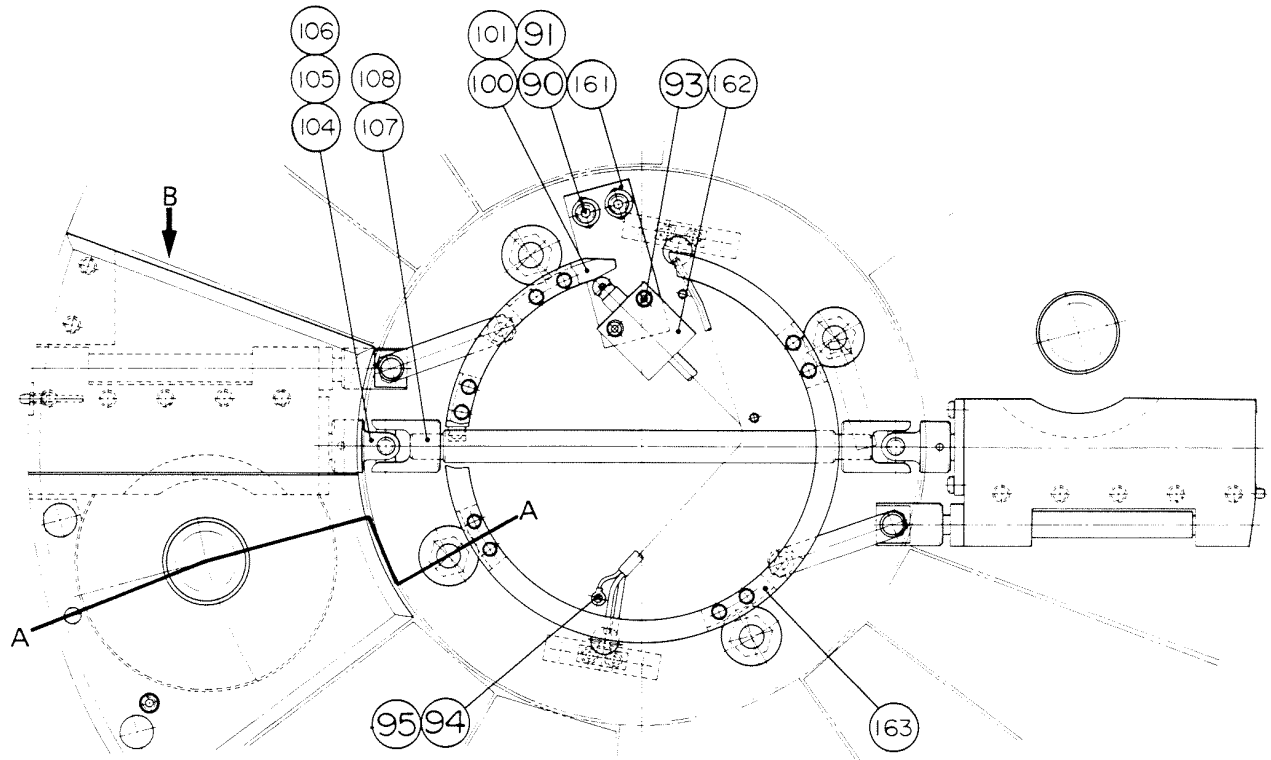
Auto-index (option)

From serial No. P2440202 and after.

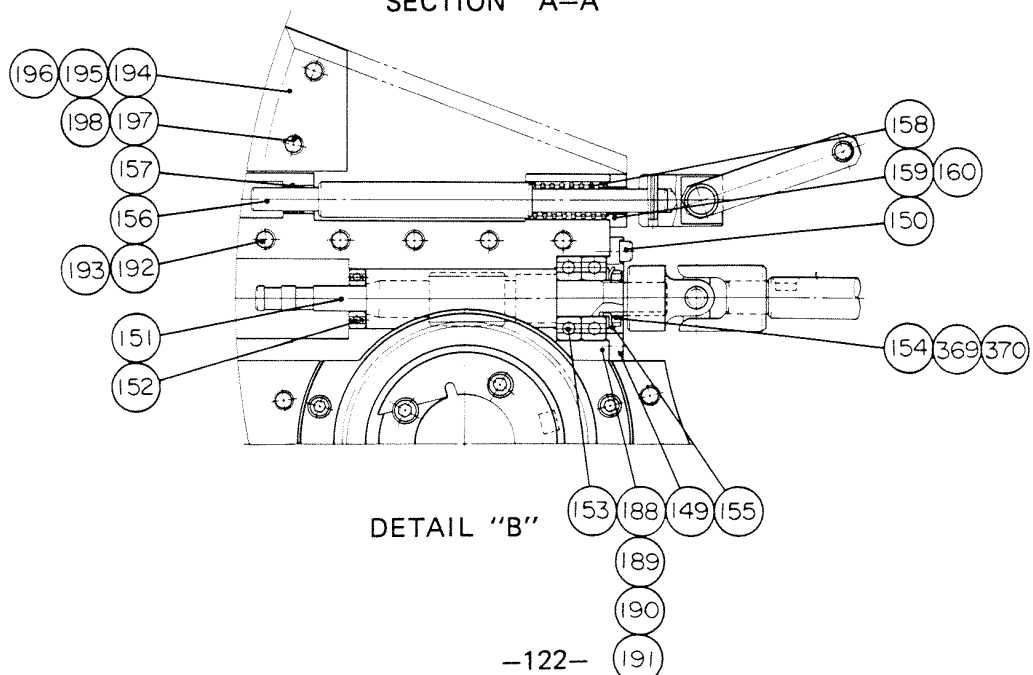
Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
129	74352422	Spring pin	φ6 x 14	2	
130	74349302	Seal retainer (thick)	822419a	2	
131	74349301	Seal retainer (thin)	802228b	2	
132	74354319 (74300604)	Cap screw (thick) (thin)	M6 x 15	8 7	
133	74348530 (74058997)	Guide key	822420	2	
134	74354321 (74302815)	Cap screw	M6 x 20	2	
135	74351026 (74312628)	Worm wheel (upper)	822422c	2	
136	74354322 (75168508)	Cap screw	M6 x 25	8	
137	74348418 (74165216)	Shoulder screw	5501017c	6	
138	74349422 (74165232)	Lifter spring	827241a	6	
139	74348702	Lifter collar (thick)	812047	6	
140	74348703	Lifter collar (thin)	812216	6	
141	74352714 (10317507)	Snap ring	STW-22	6	
142	74349228	Link holder (thick)	821815b	2	b: P2440265 ~
143	74349227	Link holder (thin)	812217a	2	a: P2440265 ~ 536
144	74355403	Button head socket screw	M6 x 10	6	
145	74353503 (44027930)	Washer	M6	6	~ P2440536
146	74350201	Lifter ring (thick)	812048b	2	b: Mar. '88 ~
147	74350202	Lifter ring (thin)	812218b	2	a: Jan. '87 ~ b: ~ P2440536
148	74351006	Worm housing (upper)	812154b	2	b: Feb. '87 ~
149	74349311	Bearing retainer	812051	4	
150	74354319 (74300604)	Cap screw	M6 x 15	16	
151	74349616	Worm shaft	812052b	4	b: Apr. '87 ~
152	74352101 (58144832)	Ball bearing	#6001Z	4	
153	74348907	Ball bearing	7932122	4	
154	74352212	Fine U-nut	AN07	4	~ Feb. '87
155	74351127 (74313812)	Seal	822398	4	
156	74349511	Push rod	812031a	4	
157	74352220 (52110031)	Oilless metal bushing	MB1210DU	8	
158	74349407	Spring	812032	4	
159	74349316	Spring retainer	812147	4	
160	74354319 (74300604)	Cap screw	M6 x 15	8	
367	74350808	L.S. plate	812137	1	Mar. '87 ~
368	74351723	Limit switch	14CEZ-1	1	Mar. '87 ~
369	74352202 (44132503)	Crown nut	AN03	4	Feb. '87 ~
370	74352207 (44132502)	Crown washer	AW03	4	Feb. '87 ~
391	74350220	Washer	821819	6	P2440537 ~
392	74349229	Link holder (thin)	812217b	2	P2440537 ~
393	74350203	Lifter ring (thin)	812218c	2	P2440537 ~

Unit No. 16
Auto-index (option) lower turret

From serial No. P2440202 and after.



SECTION "A-A"

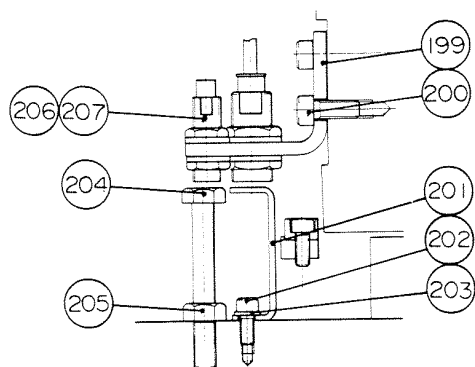
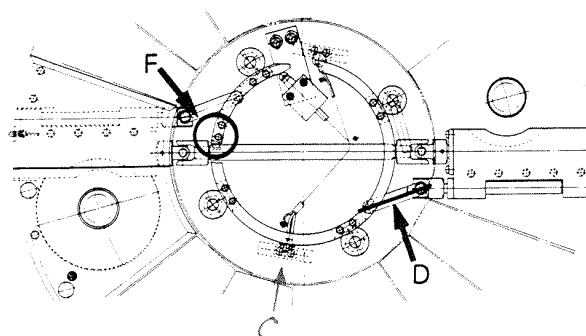
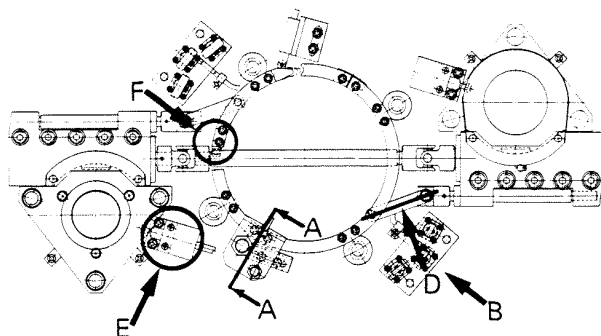


DETAIL "B"

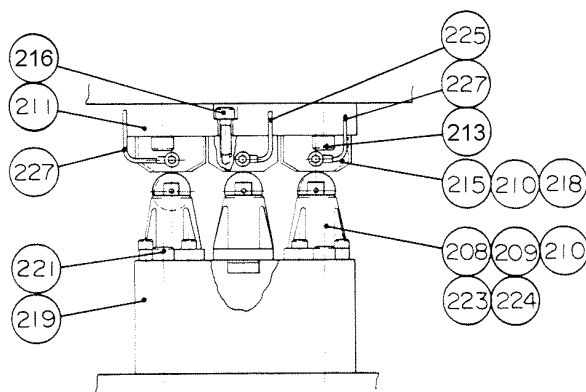
Unit No. **16**
Auto-index (option)

From serial No. P2440202 and after.

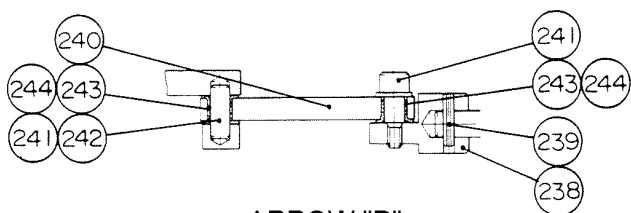
Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
161	74350807	L.S. plate	812142a	1	a: Mar. '87 ~
162	74351723	Limit switch	14CE2-1	1	
163	74350213	Ring (C)	812150a	1	a: Mar. '87 ~
164	74349362	Bearing support (lower)	812041a	4	
165	74350101	Cover	812042	2	
166	74354319 (74300604)	Cap screw	M6 x 15	6	
167	74349003	Bearing holder	812054	2	
168	74351502 (74165309)	Washer	827013b	14	
169	74354422 (74304918)	Cap screw	M10 x 35	14	
170	74348906	Ball bearing	7932017a	2 set	
171	74351810	Grease nipple	A- ϕ 6-P1	2	
172	74351016	Support	812156a	2	a: Feb. '87 ~
173	74352201 (13138201)	Crown nut	AN-10	2	
174	74352206 (13138205)	Crown washer	AW-10	2	
175	74351021	Worm wheel (lower)	812157b	2	b: Feb. '87 ~
176	74349016	Die holder	802245b	2	Please order together with index No. 181.
177	74354334 (73157630)	Cap screw	M8 x 15	4	
178	74354402 (44235241)	Cap screw	M8 x 20	4	
179	74352302	Key	10 x 8 x 11	2	~ Feb. '87
180	74348618 (74058998)	Wheel key (with step)	822453	1	
181	74350301	Die spacer	812058b	2	Please order together with index No. 176.
182	74352122 (54117433)	Free stroke bearing	C-3S	4	
183	74352502	Grooved fastener pin	D- ϕ 10 x 30	4	
184	74354321 (74302815)	Cap screw	M6 x 20	2	
185	74349330	Die spacer support	812059c	2	c: Feb. '87 ~
186	74354502 (74314417)	Cap screw	M10 x 70	6	
187	74351502 (74165309)	Washer	827013b	6	
188	74351011	Worm housing (lower)	812155b	2	b: Feb. '87 ~
189	74351101	Dust seal	812159a	2	a: Feb. '87 ~
190	74351810	Grease nipple	A- ϕ 6-P1	2	
191	74353702 (74305504)	Set screw	M6 x 6	2	
192	74354502 (74314417)	Cap screw	M10 x 70	10	
193	74351502 (74165309)	Washer	827013b	10	
194	74349908	Auxiliary base (thick 24st)	812236a	1	
195	74349906	Auxiliary base (thick 20st)	812060b	2	
196	74349907	Auxiliary base (thin)	812220	2	
197	74354502 (74314417)	Cap screw	M10 x 70	4	
198	74351502 (74165309)	Washer	827013b	4	
371	74352303	Key	10 x 8 x 8	2	



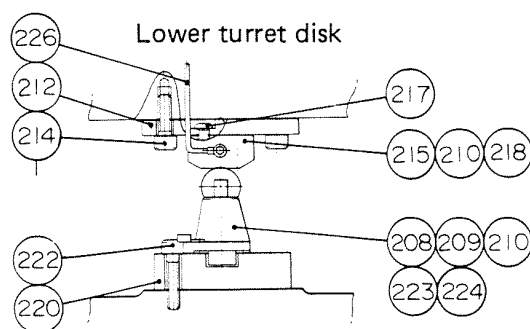
SECTION "A-A"



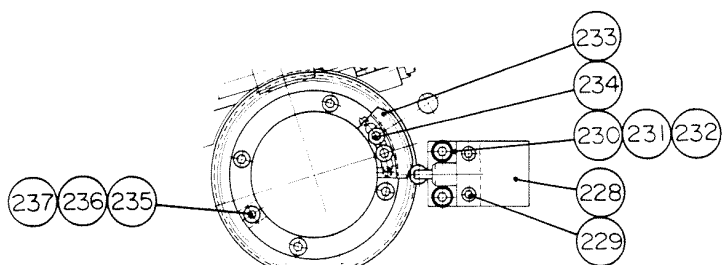
ARROW "B"



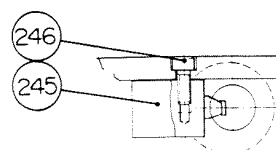
ARROW "D"



ARROW "C"



DETAIL "E"



DETAIL "F"

Unit No. 16

Auto-index (option)

From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
199	74350801	Proximity switch bracket	812140	1	
200	74354402 (44235241)	Cap screw	M8 x 20	2	
201	74349801	Turret origin dog	812026	1	
202	74354319 (74300604)	Cap screw	M6 x 15	2	
203	74353503 (44027930)	Washer	M6	2	
204	74354003	Bolt (all thread)	M10 x 75	2	
205	74353416	Nut	M10 (type 1)	2	
206	74348809	Cable P-14	6230066-09	1	
207	74351801	Proximity switch	FL1-2D6	1	
208	74348429	Head	7932020	7	
209	74354305	Cap screw	M4 x 15	28	
210	74351805	Lug terminal	φ4-0.75 mm ²	12	
211	74350816	Dog bracket (upper)	812143	1	
212	74350821	Dog bracket (lower)	812144a	2	
213	74354322 (75168508)	Cap screw	M6 x 25	2	
214	74354319 (74300604)	Cap screw	M6 x 15	4	
215	74349812 (74313503)	Dog (B)	829437a	5	
216	74354313 (75168220)	Cap screw	M5 x 15	6	
217	74355402	Button head socket screw	M5 x 10	4	
218	74354419	Cap screw	M4 x 10	5	
219	74350006	Head base (upper)	812145	2	
220	74350011	Head base (lower)	812146b	1	
221	74354328 (52105831)	Cap screw	M6 x 60	4	
222	74354322 (75168508)	Cap screw	M6 x 25	2	
223	74349409	Spring	822231a	7	
224	74351416 (74313707)	Contact support plate	822235	7	
225	74348801	Cable P-10	6230066-01	1	
226	74348802	Cable P-12	6230066-02	1	
227	74348810	Cable L-12	6230066-10	1	
228	74351722	Limit switch	14CE8-1J	2	
229	74354315 (74314404)	Cap screw	M5 x 20	4	
230	74349901	L.S. base	812027a	2	
231	74354418 (44446227)	Cap screw	M6 x 40	4	
232	74353503 (44027930)	Washer	M6	4	
233	74349820	Switch dog	828987c	2	
234	74355404	Button head socket screw	M6 x 15	4	
235	74348617 (74313917)	Wheel key	822421a	2	
236	74348618 (74058998)	Wheel key (with step)	822423	1	
237	74354322 (75168508)	Cap screw	M6 x 25	2	
238	74349516	Joint	812034b	4	

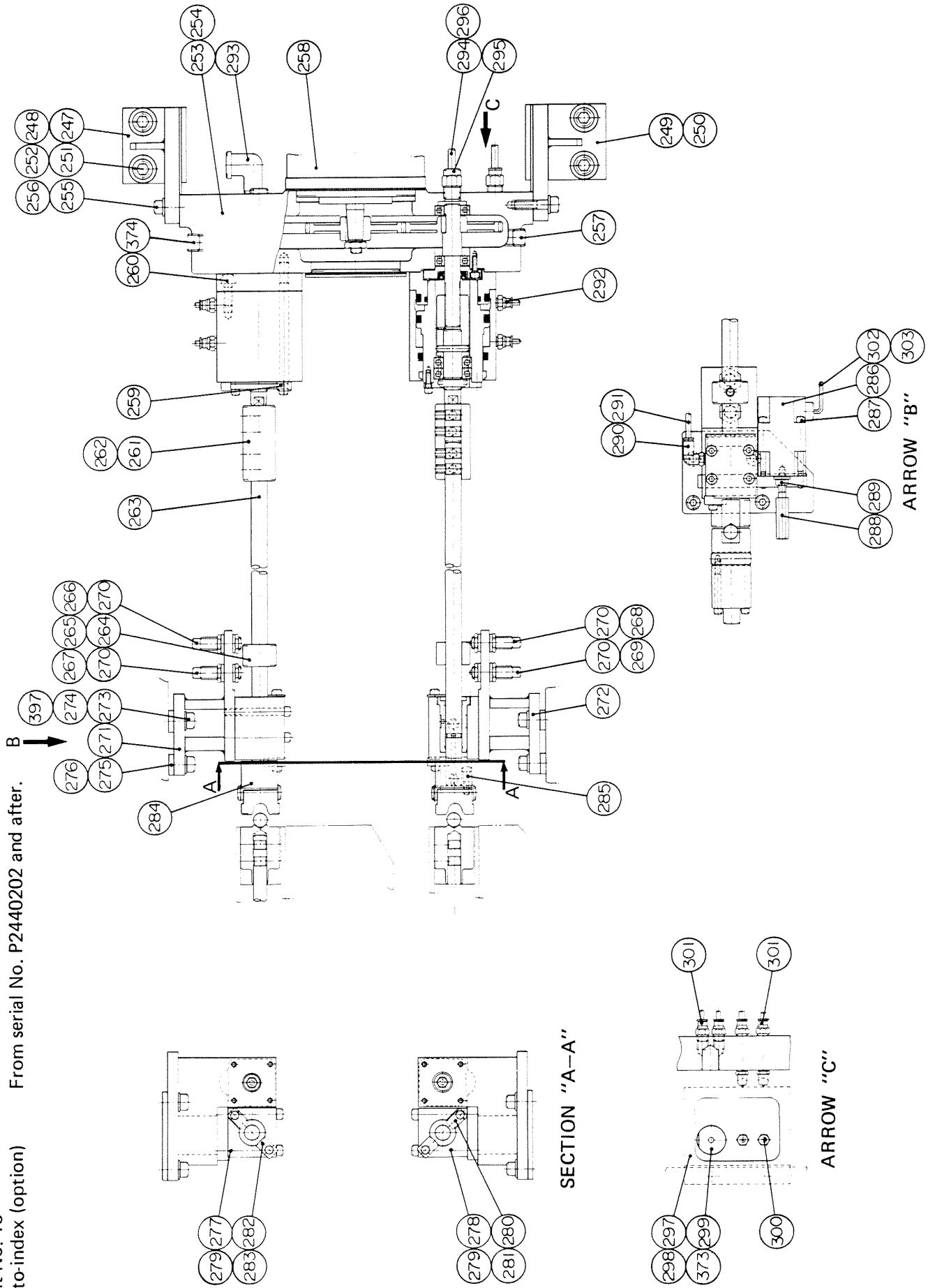
Auto-index (option)

From serial No. P2440202 and after.

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Unit No. 16
Auto-index (option)

From serial No. P2440202 and after.



Unit No. 16

Auto-index (option)

From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
247	74349211	Box holder (upper) (thick)	812203b	1	b: Nov. '87 ~
248	74349212	Box holder (upper) (thin)	812205b	1	b: Nov. '87 ~
249	74349213	Box holder (lower) (thick)	812204b	1	b: Nov. '87 ~
250	74349214	Box holder (lower) (thin)	812206b	1	b: Nov. '87 ~
251	74354429 (74302820)	Cap screw	M12 x 35	4	
252	74353505 (44028618)	Washer	M12	4	~ Nov. '87
253	74351301	Gear box (thick)	812172c	1	c: P2440325 ~
254	74351302	Gear box (thin)	812173b	1	b: P2440325 ~
255	74354405 (74302818)	Cap screw	M8 x 30	6	
256	74353504 (74300511)	Washer	M8	6	
257	74352001 (44552306)	Plug	PT 3/8"	3	Q'ty 2 → 3; P2440325 ~
258	74351711	DC motor	6L	1	
259	74354331	Cap screw	M8 x 110	4	
260	74354402 (44235241)	Cap screw	M8 x 20	4	
261	74350611	Connecting block	812189	2	
262	74353924	Set screw (knurl end)	M8 x 8 (unbrako)	16	
263	74349721	Shaft	812190a	2	
264	74349811	Dog	812191a	2	
265	74353924	Set screw (knurl end)	M8 x 8 (unbrako)	2	
266	74348805	Cable P-15	6230066-05	1	
267	74348806	Cable P-16	6230066-06	1	
268	74348807	Cable P-17	6230066-07	1	
269	74348808	Cable P-18	6230066-08	1	
270	74351801	Proximity switch	FL1-2D6	4	
271	74350901	Support bracket (upper)	812201b	1	
272	74350902	Support bracket (lower)	812202b	1	
273	74354404 (21415514)	Cap screw	M8 x 25	8	
274	74353504 (74300511)	Washer	M8	8	~ Jan. '88
275	74351117	Shim (1)	812168	2	
276	74351118	Shim (2)	812169	2	
277	74350616	Support block (upper)	812196a	1	
278	74350617	Support block (lower)	812197a	1	
279	74354326 (74309804)	Cap screw	M6 x 55	8	
280	74349302	Seal retainer	812228	6	
281	74354310 (74302810)	Cap screw	M5 x 10	6	
282	74348601	Key	812199	2	
283	74354313 (75168220)	Cap screw	M5 x 15	2	
284	74349701	Drive shaft (upper)	812193a	1	
285	74349702	Drive shaft (lower)	812198a	1	
286	74351308	Cylinder	7931036	2	

Unit No. 16

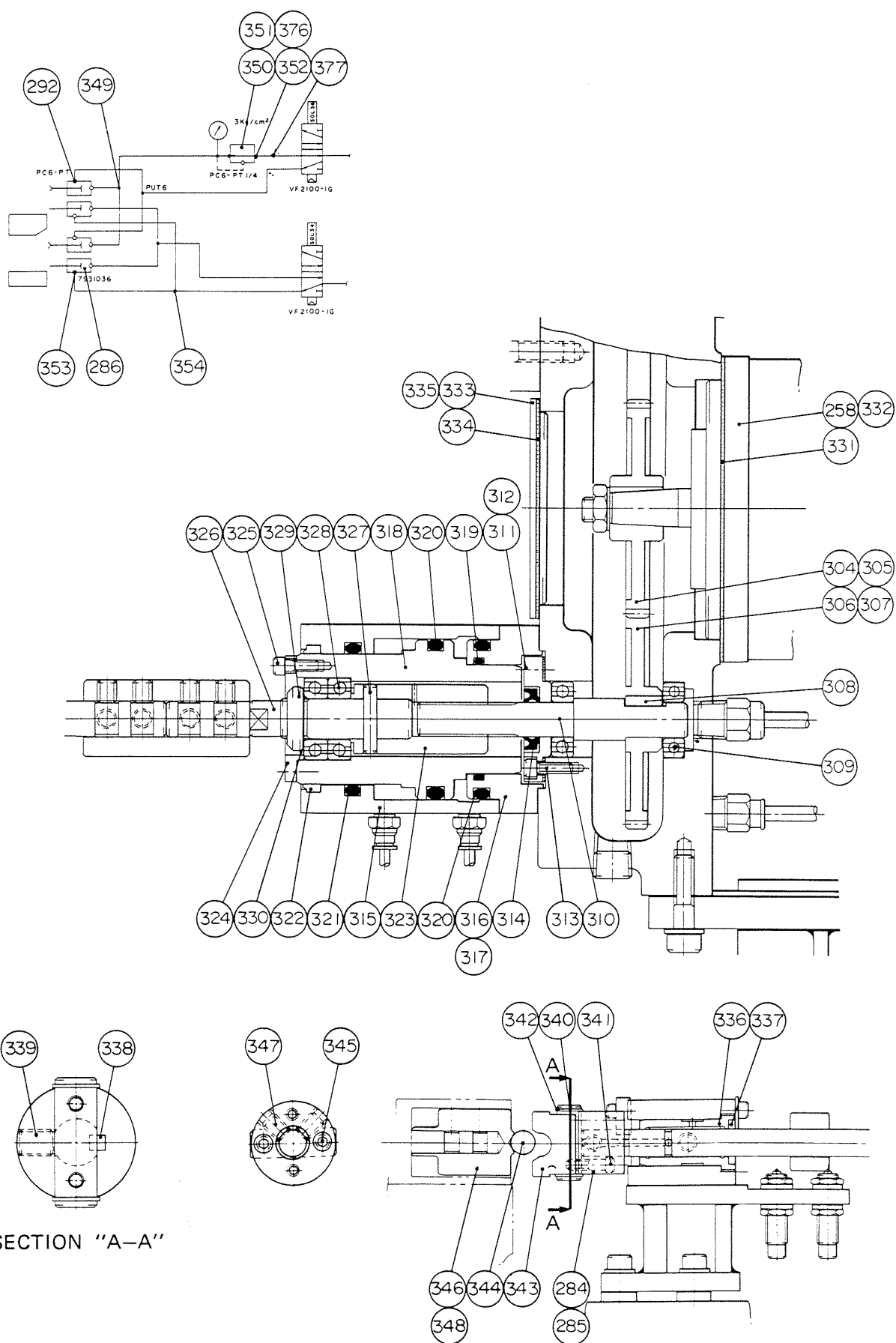
Auto-index (option)

From serial No. P2440202 and after.

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Unit No. 16
Auto-index (option)

From serial No. P2440202 and after.



Unit No. 16

Auto-index (option)

From serial No. P2440202 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
304	74350501	Drive gear (thick)	812067b	1	
305	74350502	Drive gear (thin)	812174a	1	a: Apr. '87 ~
306	74350511	Driven gear (thick)	812068b	2	
307	74350512	Driven gear (thin)	812175a	2	a: Apr. '87 ~
308	74352301 (29215605)	Key	5 x 5 x 15	2	
309	74352102	Ball bearing	#6002	4	
310	74349626	Driven gear shaft	812176a	2	
311	74351201	Bearing cap	812178a	2	
312	74351106	Packing	812179	2	
313	74354313 (75168220)	Cap screw	M5 x 15	8	
314	74352601	Oil seal	AB0592E0	2	
315	74351309	Cylinder	812184	2	
316	74351211	Cylinder cap (thick)	812182	2	
317	74351212	Cylinder cap (thin)	812183	2	
318	74351314	Piston	812185	2	
319	74352621 (15142404)	O-ring	P-46	2	
320	74352623 (63173413)	O-ring	P-58	4	
321	74352622 (74159803)	O-ring	P-55	2	
322	74352616	Dust seal	FQ0045D0	2	
323	74349711	Spline shaft	812186	2	
324	74351202	Bearing cap	812187a	2	a: Apr. '87 ~
325	74354313 (75168220)	Cap screw	M5 x 15	8	
326	74349716	Countershaft	812188a	2	
327	74352402	Straight pin	$\phi 6 \times 28^L$	2	
328	74352116	Ball bearing set	#7003CDB	2	
329	74352211	Fine U-nut	AN03	2	
330	74351127 (74313812)	Seal	822398	2	
331	74351108 (74058990)	Packing	822378	1	
332	74354404 (21415514)	Cap screw	M8 x 25	4	
333	74350116	Gear box cover	812180	1	
334	74351107	Packing	812181	1	
335	74354334 (73157630)	Cap screw	M8 x 15	4	
336	74348402	Bushing	812192	2	
337	74352602	Oil seal	AG0585E0	4	
338	74352311 (29215606)	Drive shaft key	5 x 5 x 20	2	
339	74353924	Set screw (knurl end)	M8 x 8 (unbrako)	2	
340	74350701	Pin	812100	2	
341	74354315 (74314404)	Cap screw	M5 x 20	4	
342	74352712 (10423418)	Snap ring	STW-13	4	
343	74349726	Clamp shaft	812194	2	

Unit No. 16

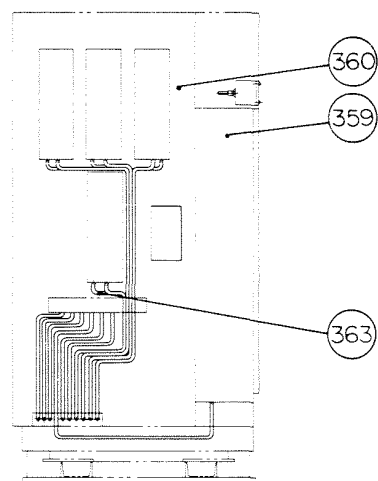
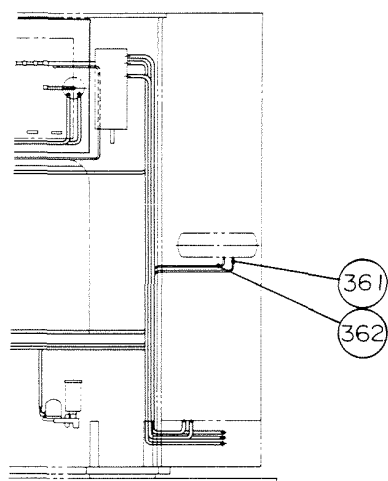
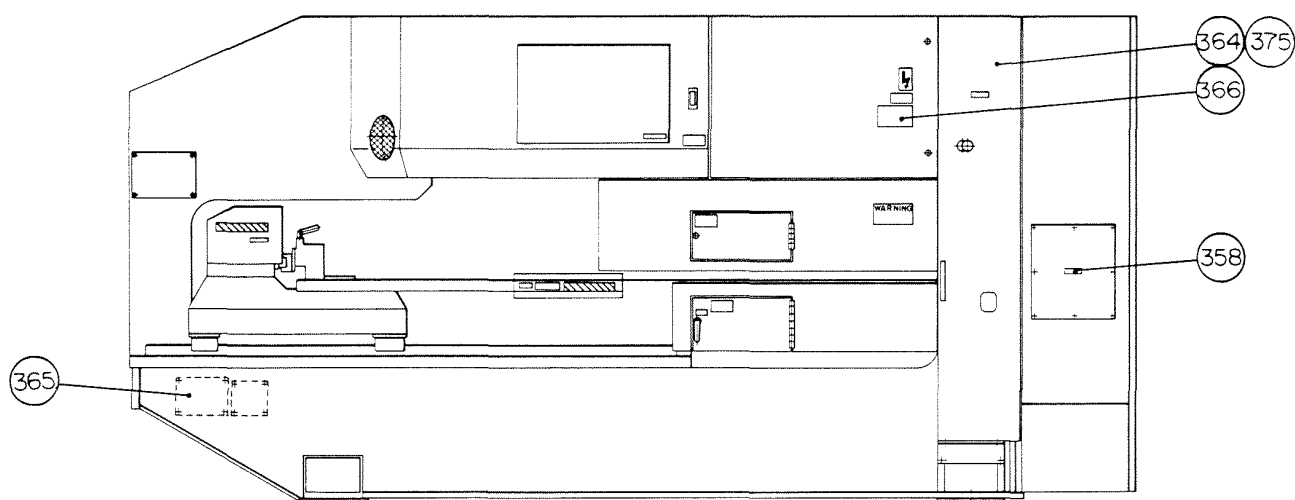
Auto-index (option)

From serial No. P2440202 and after.

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Unit No. 16
Auto-index (option)

From serial No. P2440202 and after.



Unit No. 16

Auto-index (option)

From serial No. P2440202 and after.

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