

**NUMERICAL CONTROL
TURRET PUNCH PRESS
PEGA-304050 KING
PARTS LIST**

ORDERING INSTRUCTIONS

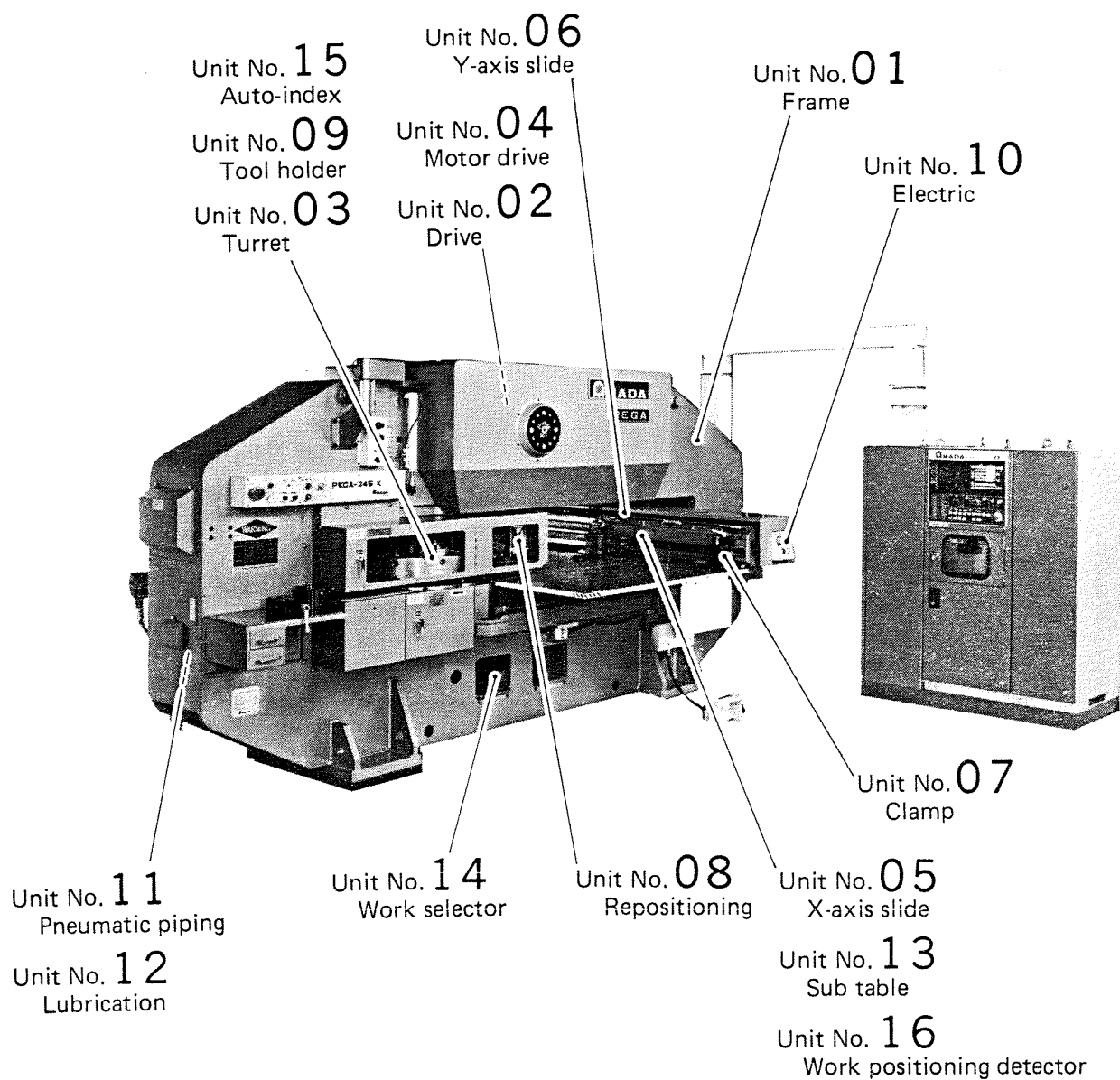
When ordering parts, specify Machine Model, Serial No., Unit No., Index No., Code No., Parts Name, Drawing No. or Type and Quantity.

Machine Model: PEGA-304050 KING

Serial No.: P3450057

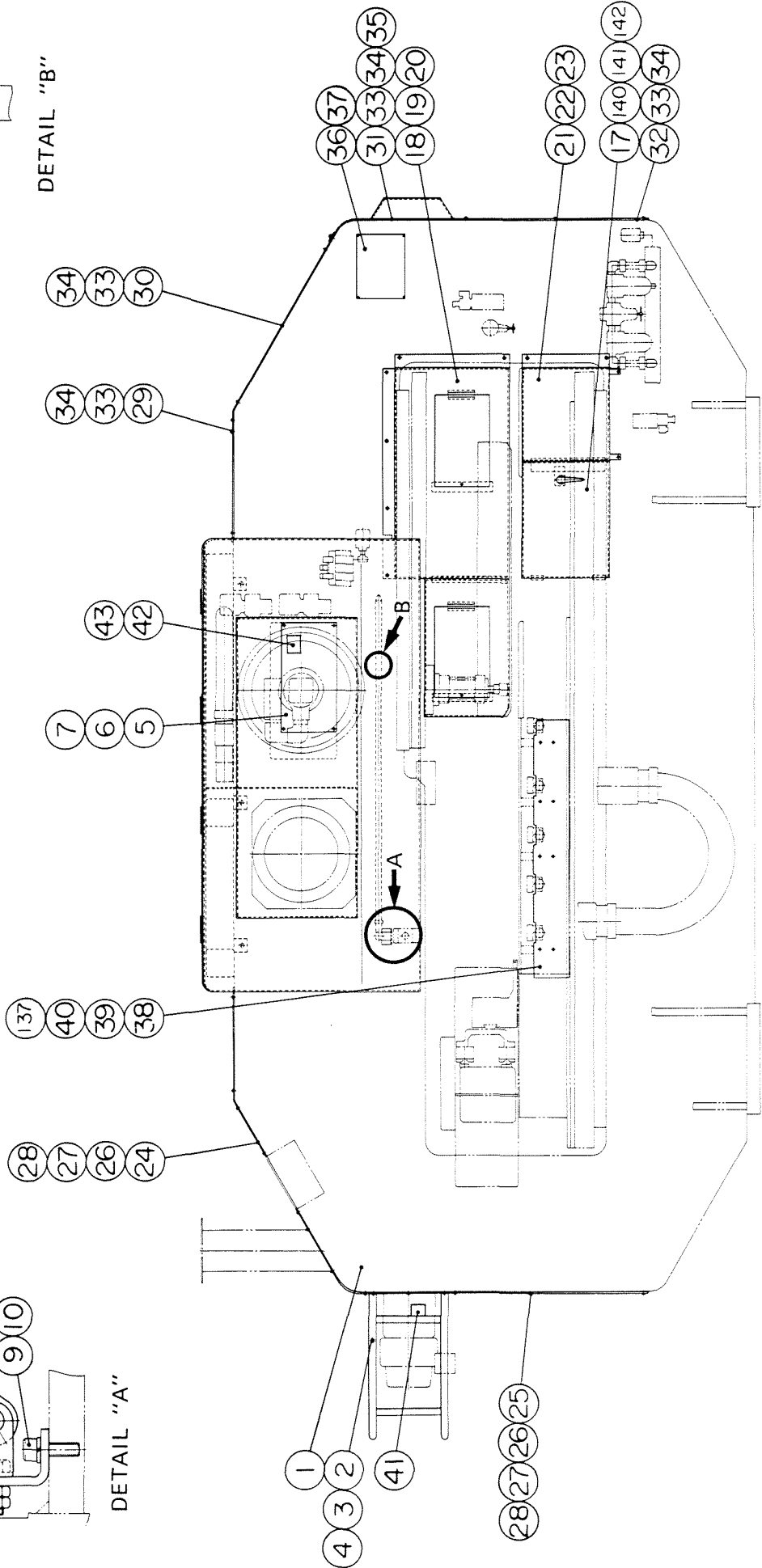
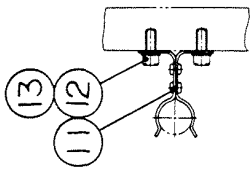
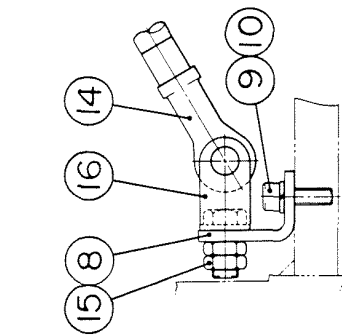
Unit No.	Index No.	Code No.	Parts Name	Drawing No. or Type	Q'ty
05	57	74304301	Bearing retainer (A)	813613	1
08	4	74305801	Air cylinder	7931015	2

CONTENTS



Unit No. 01
Frame

From serial No. P3450057 and after.



Unit No. 01

Frame

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
1	74300412	Frame	810781-1/2a, 810508-2/2n	1	
2	74300218	Motor guard (Y-axis)	810679a	1	
3	74300606 (44235241)	Cap screw	M8 x 20	6	
4	74300518 (10001521)	Spring washer	M8	6	
5	74300301	Cover	820724	1	
6	74300624	Button head socket screw	M6 x 15	4	
7	74300527	Toothed lock washer	M6	4	
8	74300113	Stay bracket	810557	2	
9	74300609 (38124012)	Cap screw	M10 x 25	4	
10	74300519	Spring washer	M10	4	
11	74300423	Stay catch	820564b	2	
12	74300604	Cap screw	M6 x 15	4	
13	74300517 (44027928)	Spring washer	M6	4	
14	74300201	Stay	810597	2	
15	74300505	Nut	M14 (type 3)	4	
16	74300801	Connecting end	RBC-14CB	2	
17	74300307	Door (R)	810728b	1	~ P3450083
18	74300324	Rear turret cover (upper)	810751a	1	
19	74300702	Truss head machine screw	M8 x 16	6	
20	74300314	Knob screw	810735	2	
21	74300325	Rear turret cover (lower)	810752a	1	
22	74300702	Truss head machine screw	M8 x 16	4	
23	74300602	Cap screw	M4 x 35	2	
24	74300319	Roof (right)	810740b	1	
25	74300213	Right side cover	810676a	1	
26	74300629	Button head cap screw	M6 x 15	20	
27	74300527	Toothed lock washer	M6	20	
28	74300810	Packing	350 ^l	2	
29	74300320	Roof (left)	810742	1	
30	74300321	Side roof (left)	810743	1	
31	74300214	Left side cover (upper)	810683a	1	
32	74300215	Left side cover (lower)	810745	1	
33	74300624	Button head socket screw	M6 x 15	18	
34	74300517 (44027928)	Spring washer	M6	18	
35	74300315 (74159011)	Knob screw	A-176-5	3	
36	74300123	Legend plate (lubrication)	810778a	1	
37	74300719	Round head grooved rivet	φ6 x 12	4	
38	74300117	Table cover	810580b	2	~ P3450083
39	74300708	Pan head machine screw	M6 x 16	16	
40	74300527	Toothed lock washer	M6	16	

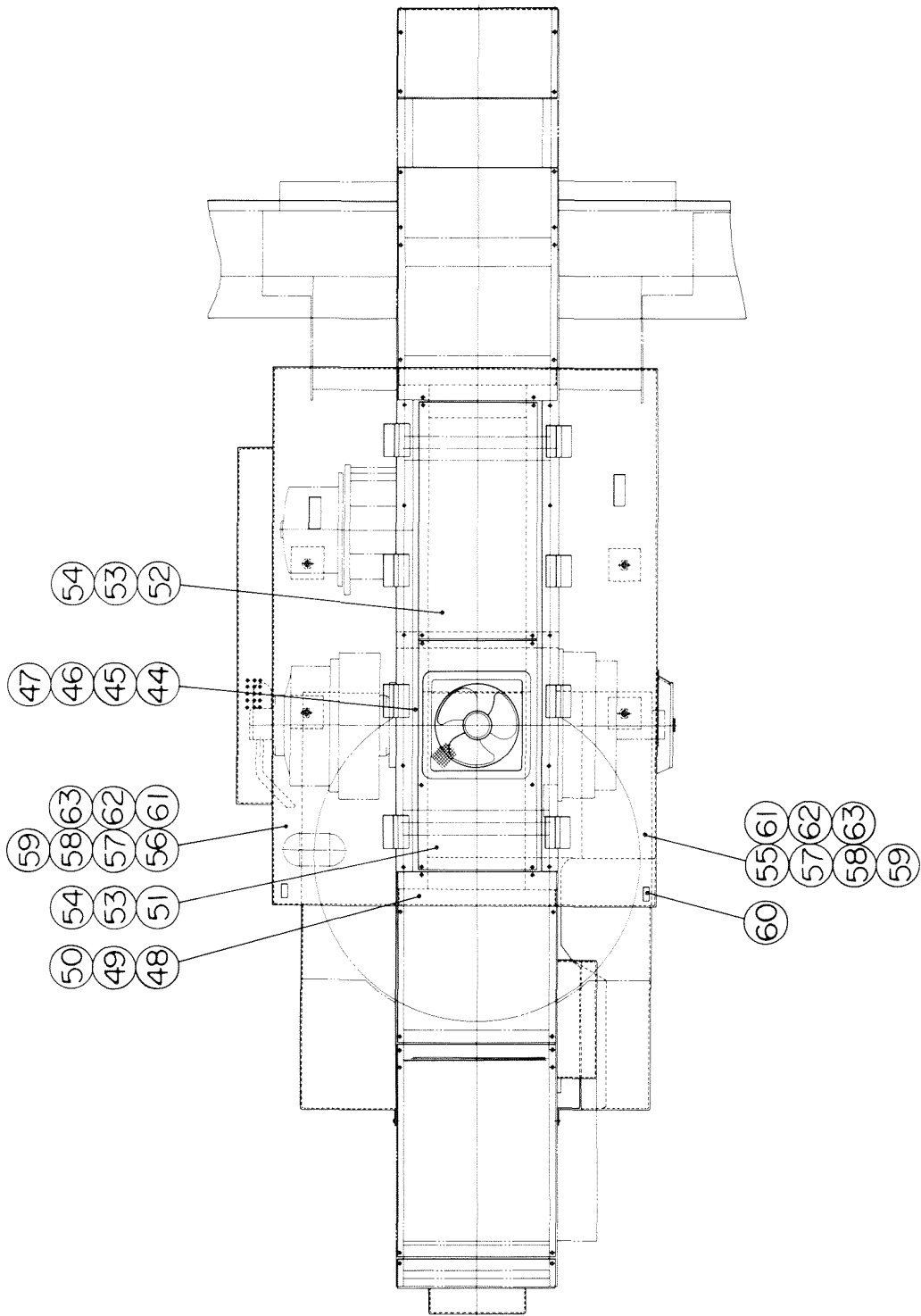
Frame

From serial No. P3450057 and after.

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Unit No. 01
Frame

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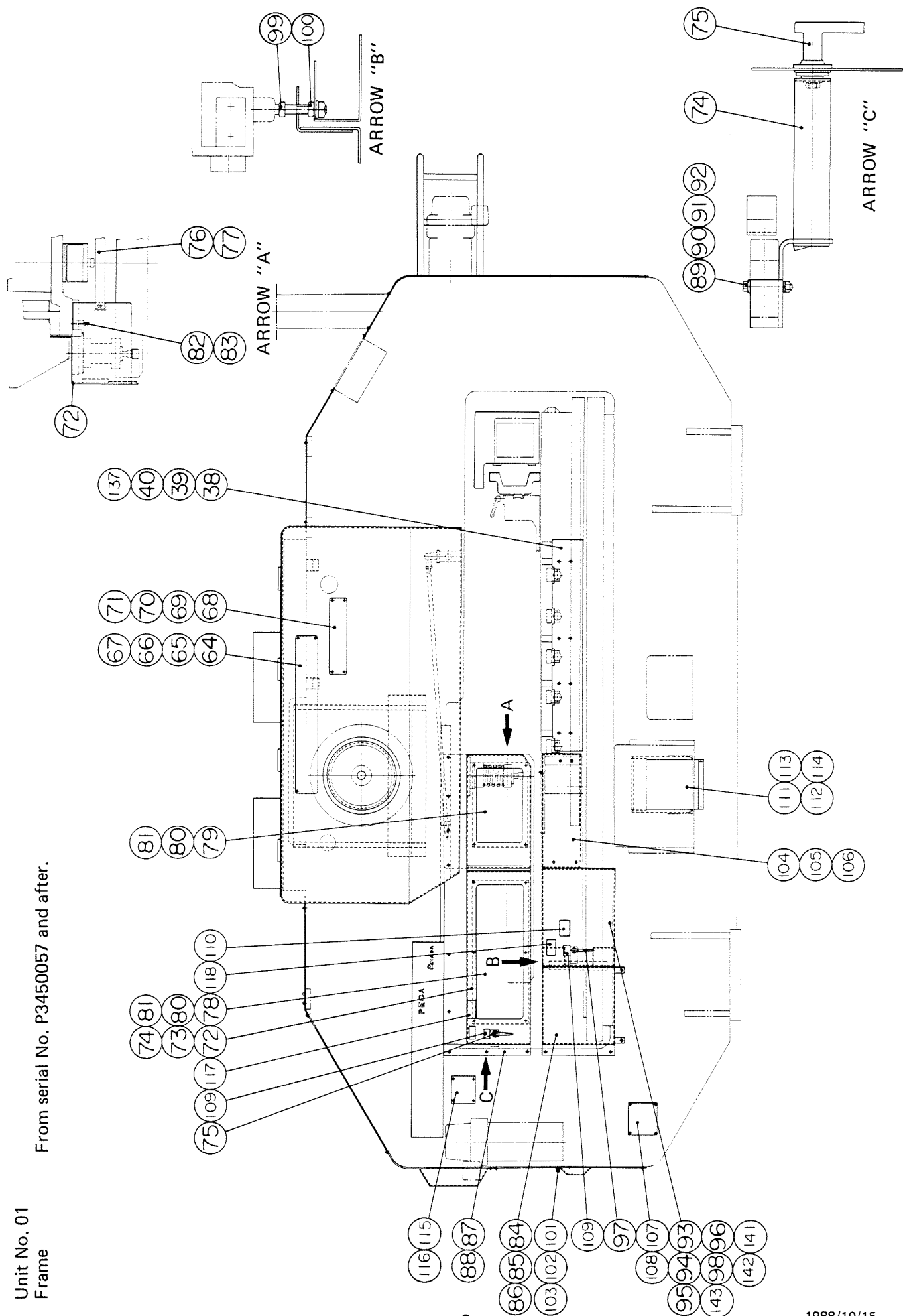
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Unit No. 01

Frame

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
64	74300101	Amada plate	400506	1	
65	74300708	Pan head machine screw	M6 x 16	4	
66	74300527	Toothed lock washer	M6	4	
67	74300503 (10310352)	Nut	M6	4	
68	74300115	Model plate	810558	1	
69	74300706	Pan head machine screw	M5 x 16	4	
70	74300526	Toothed lock washer	M5	4	
71	74300502 (13239613)	Nut	M5	4	
72	74300721	Front turret cover	810721c	1	
73	74300702	Truss head machine screw	M8 x 16	4	
74	74300310	Retainer (A)	810732a	1	
75	74300725	Lever	A-26-1	1	
76	74300229	Connecting plate	810723a	1	
77	74300702	Truss head machine screw	M8 x 16	2	
78	74300204	Plate (large)	810604	1	
79	74300205 (74159034)	Plate (small)	810605	1	
80	74300701	Truss head machine screw	M6 x 12	10	
81	74300503 (10310352)	Nut	M6	10	
82	74300618	Bolt	M8 x 70	2	
83	74300504 (10001517)	Nut	M8	2	
84	74300722	Front turret cover (lower)	810725a	1	
85	74300702	Truss head machine screw	M8 x 16	4	
86	74300602	Cap screw	M4 x 35	2	
87	74300225	Corner cover	810722b	1	
88	74300702	Truss head machine screw	M8 x 16	5	
89	74300603	Cap screw	M4 x 40	2	
90	74300501	Nut	M4	2	
91	74300515 (44027327)	Spring washer	M4	2	
92	74300510	Washer	M4	2	
93	74300306	Door (F)	810726b	1	~ P3450083
94	74300606	Cap screw	M8 x 20	8	
95	74300518 (10001521)	Spring washer	M8	8	
96	74300511	Washer	M8	8	
97	74300725	Lever	A-26-1	2	
98	74300311	Retainer (B)	810733a	2	
99	74300617	Bolt	M8 x 35	2	
100	74300504 (10001517)	Nut	M8	2	
101	74300805	Rubber cushion	RK-18	4	
102	74300601	Cap screw	M4 x 15	4	
103	74300510	Washer	M4	4	

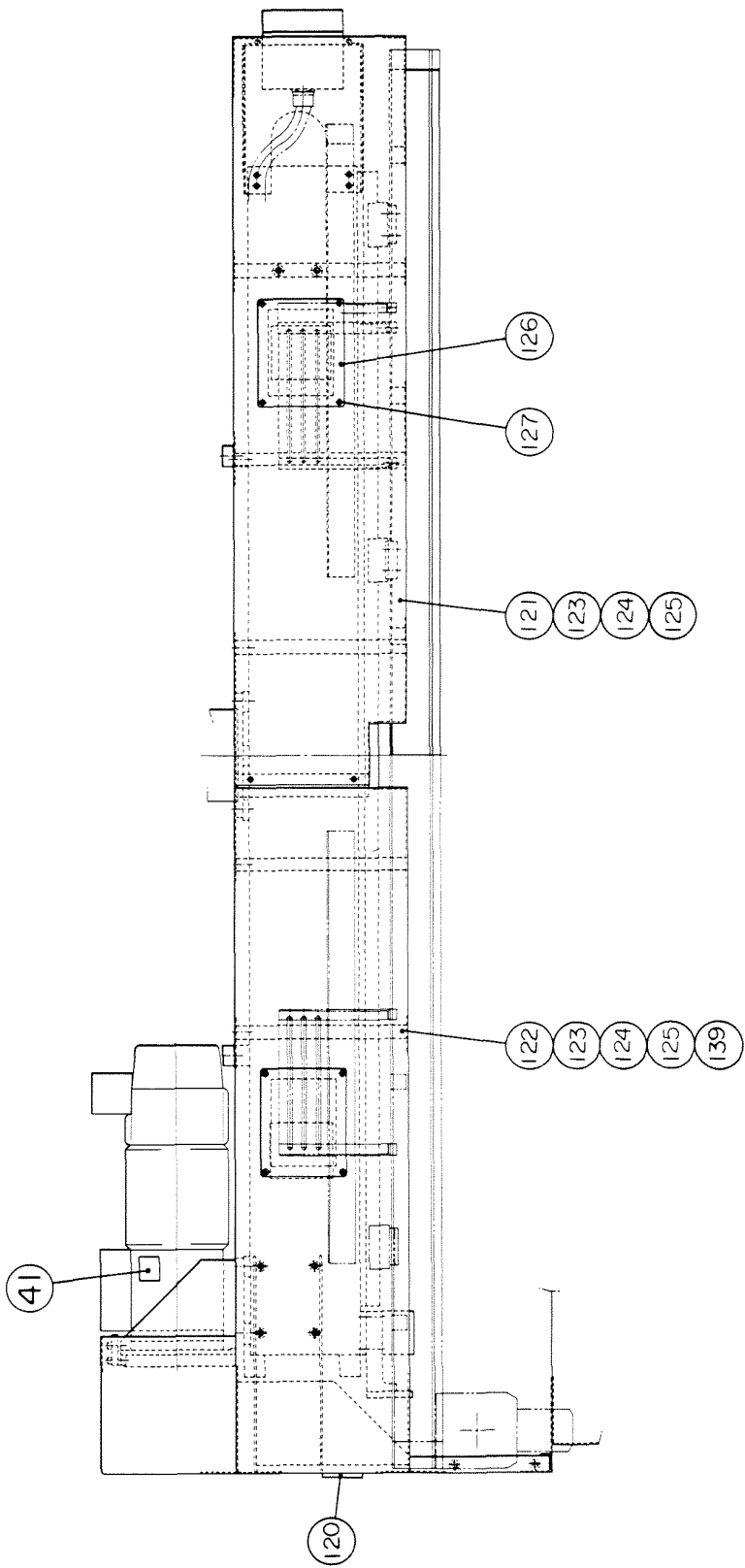
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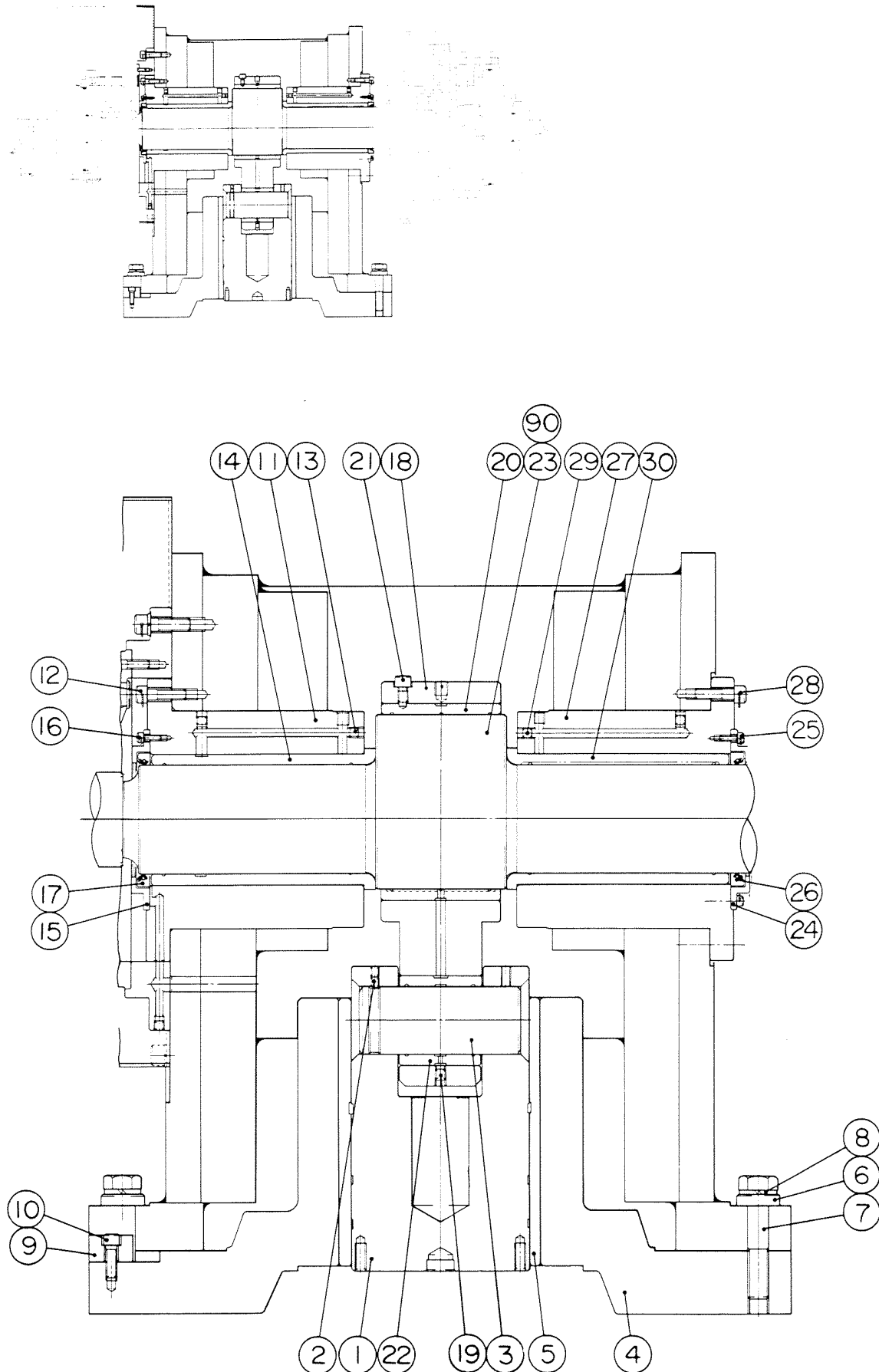
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Unit No. 02
Drive

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Unit No. 02

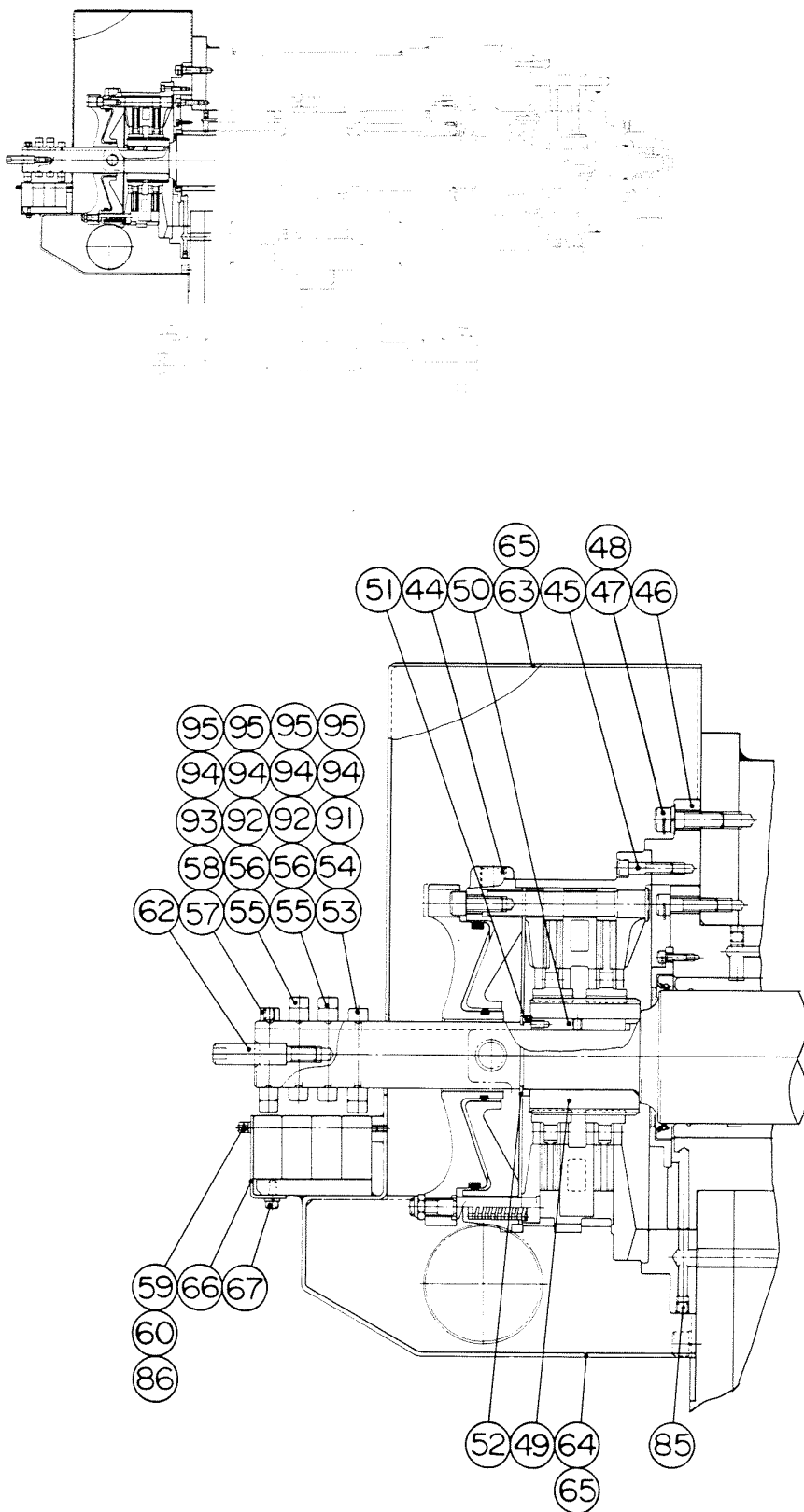
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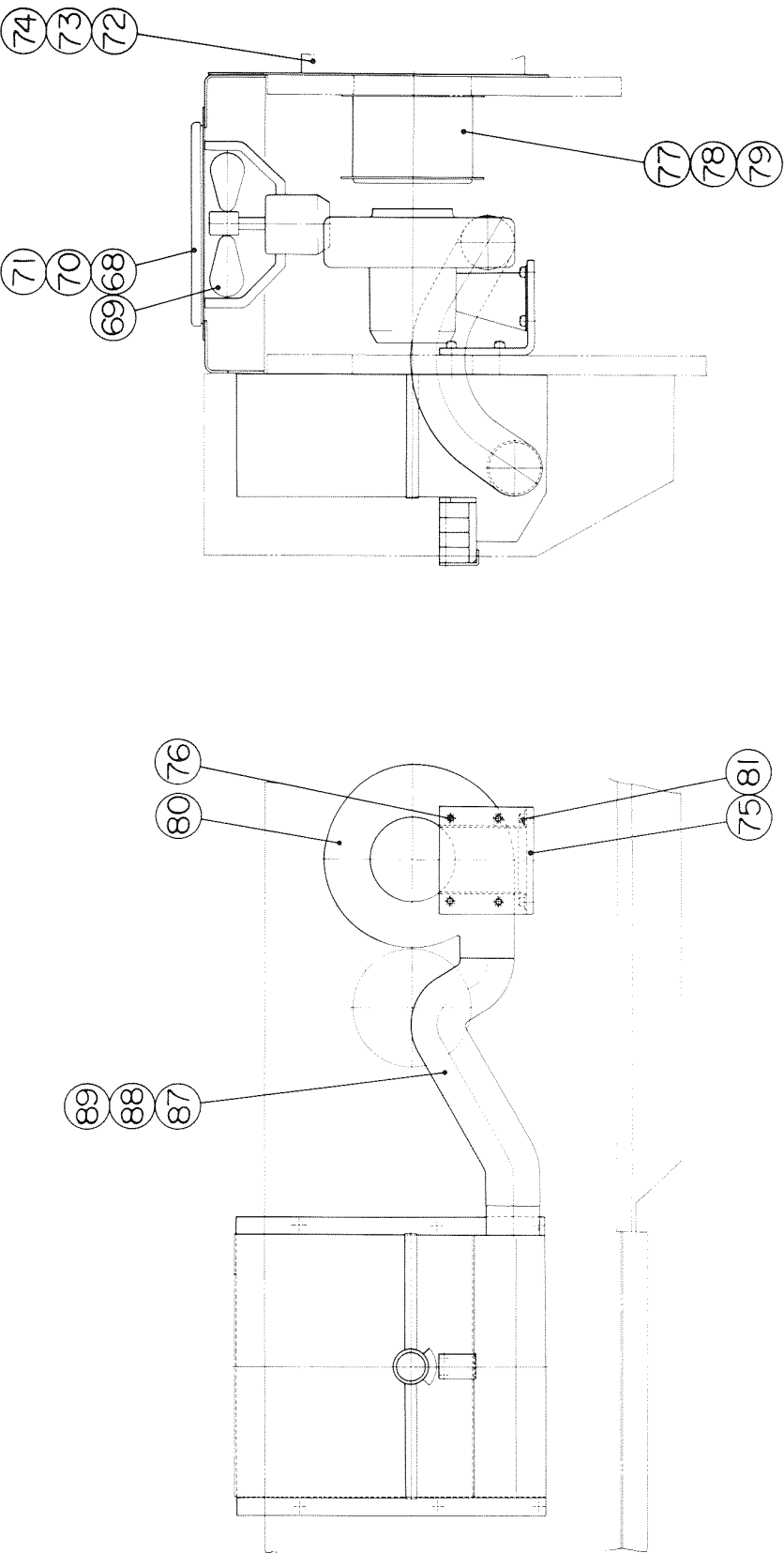
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Unit No. 02
Drive

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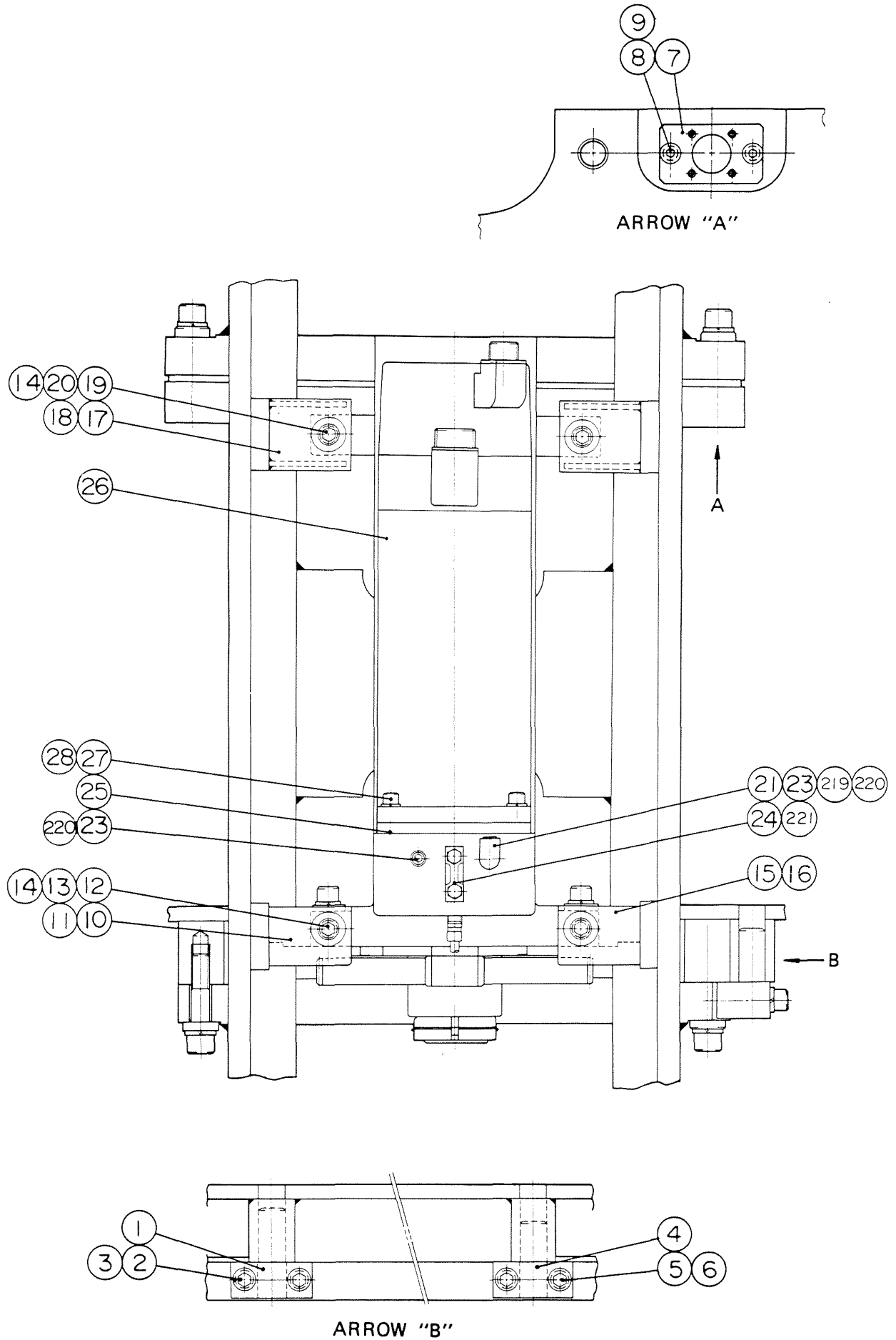
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Unit No. 03
Turret

From serial No. P3450057 and after.



Unit No. 03

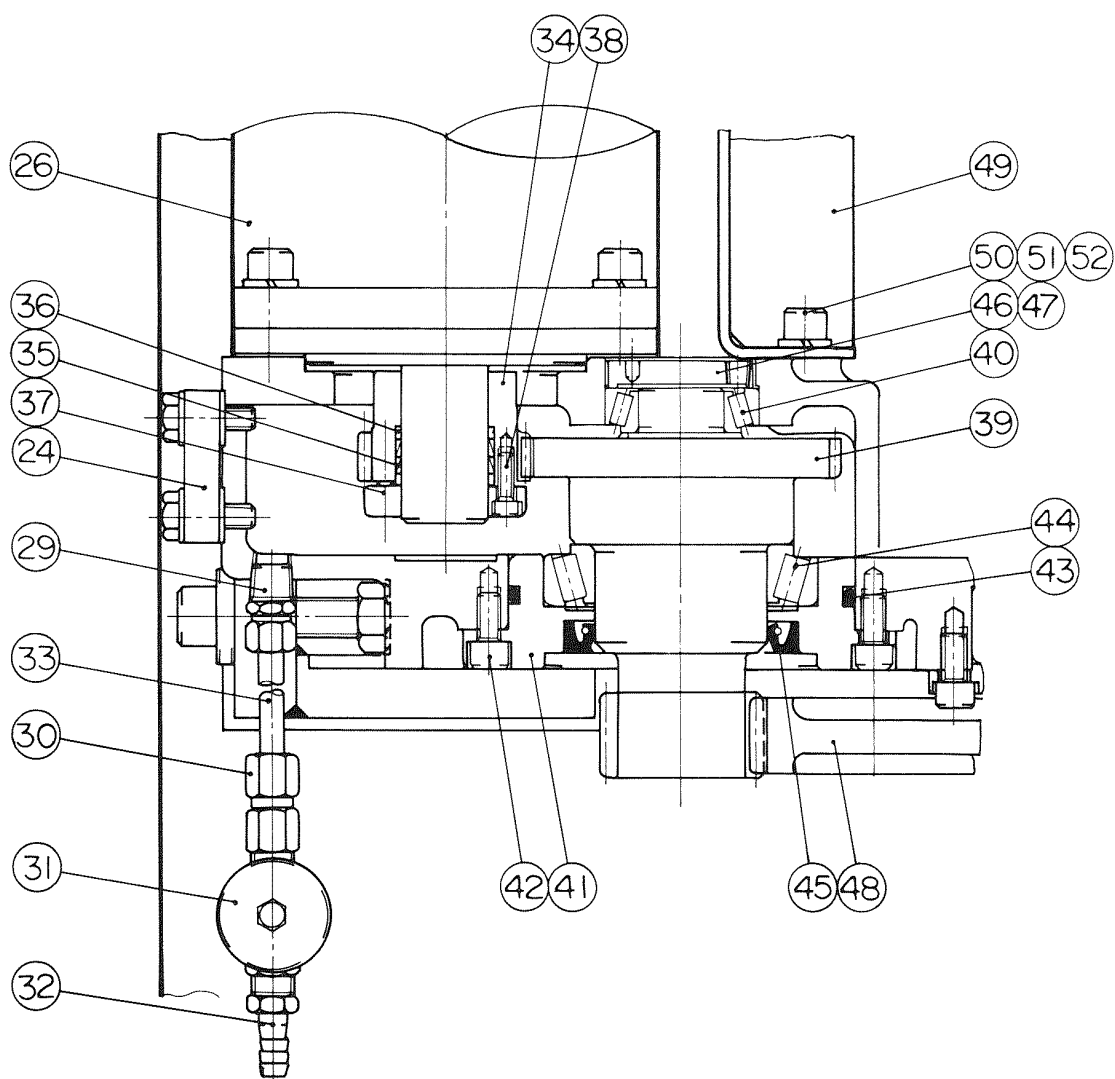
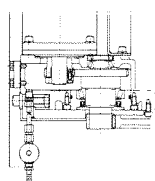
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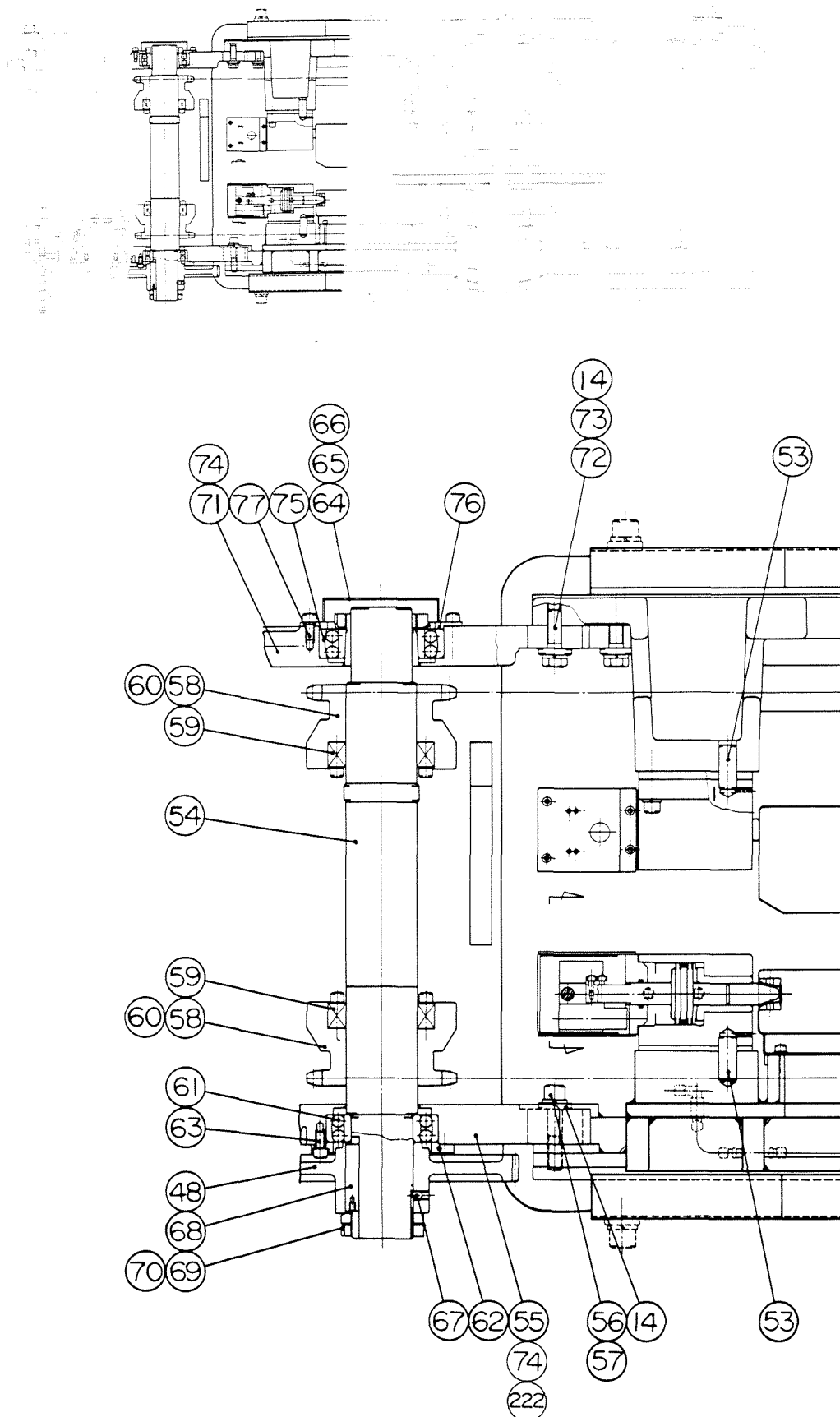


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Unit No. 03

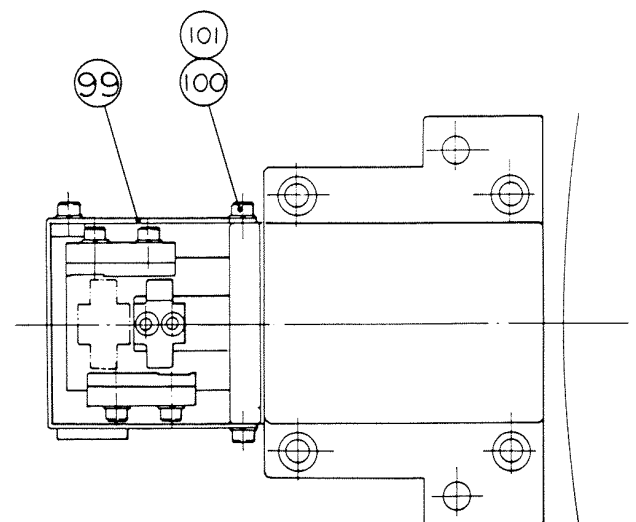
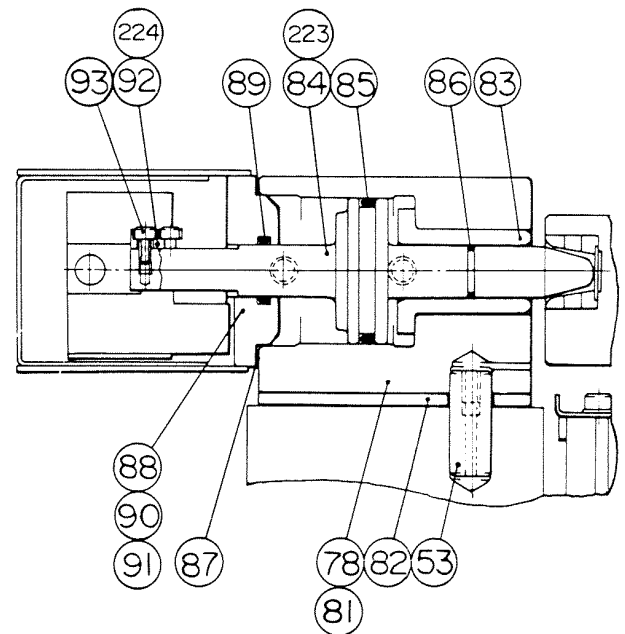
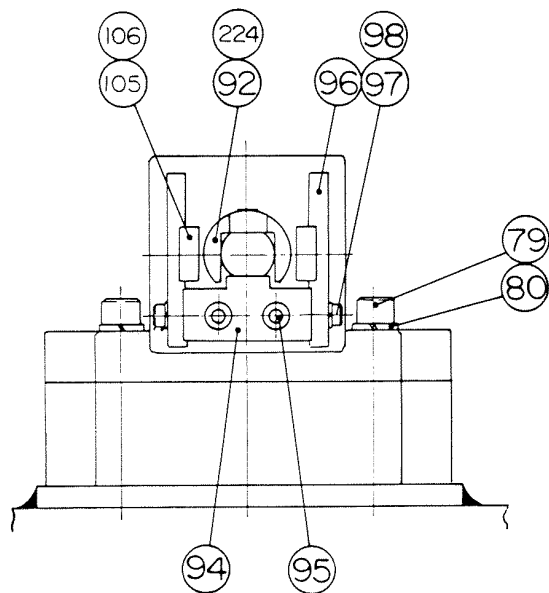
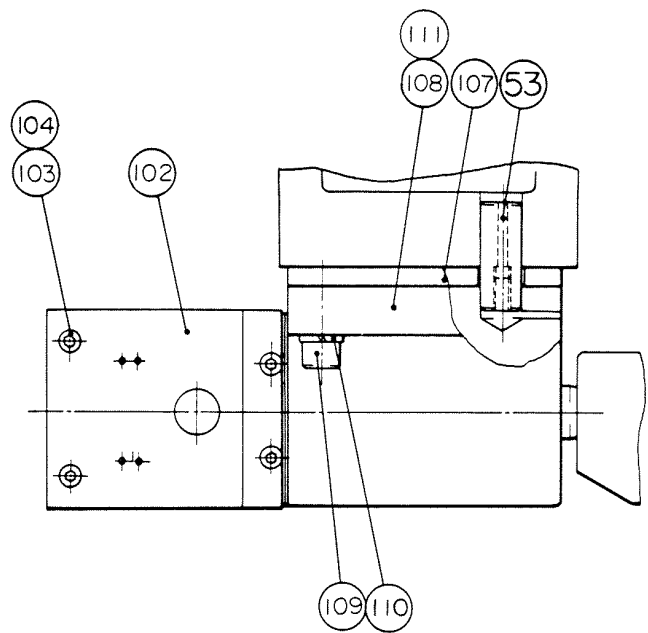
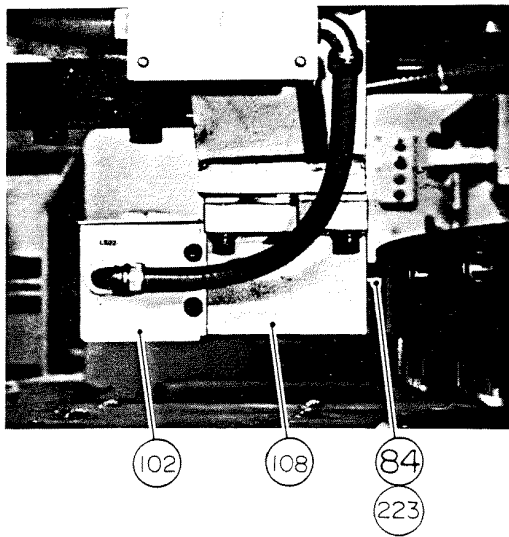
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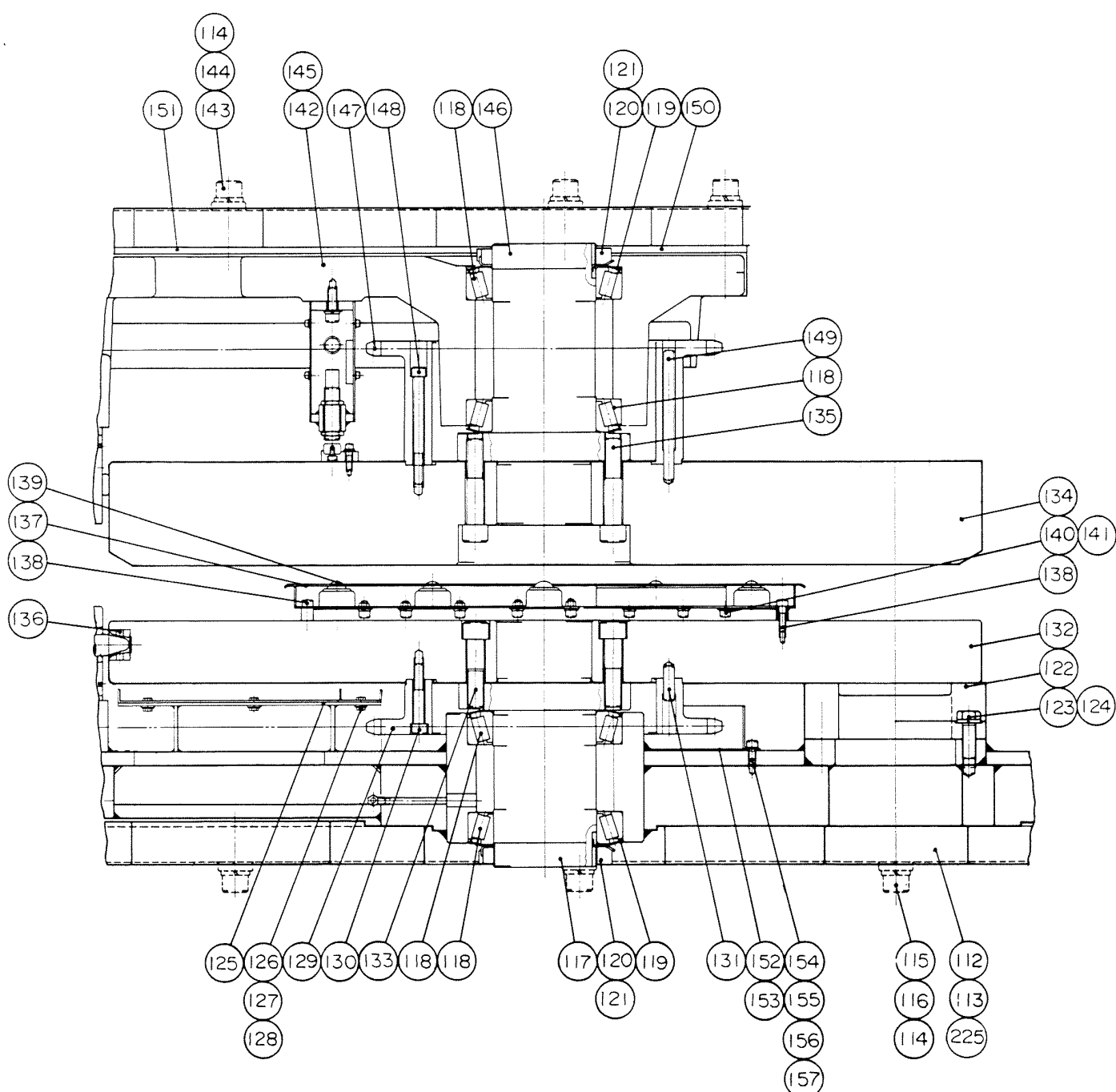
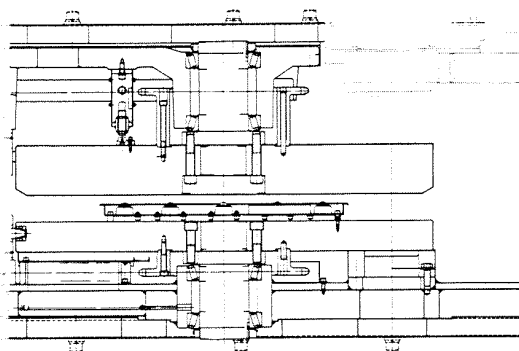
Turret

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
78	74302518	Cylinder (lower)	811810a	1	
79	74301633	Cap screw	M12 x 50	4	
80	74301615 (44028619)	Spring washer	M12	4	
81	74303214	Straight pin	φ13 x 40	1	
82	74302202	Spacer (lower)	811811	1	
83	74302124 (74159920)	Shot pin bushing	801530a	2	
84	74302601 (74159929)	Shot pin	821743b	2	b: P3450076 ~ ~ P3450083
85	74303025 (36110507)	O-ring	P-60	2	
86	74303021 (74159802)	O-ring	P-21	2	
87	74302128 (74159933)	Cylinder packing	801540	2	
88	74302604	Cover	821744d	2	
89	74303022 (10001127)	O-ring	P-25	2	
90	74302815	Cap screw	M6 x 20	8	
91	74300517 (44027928)	Spring washer	M6	8	
92	74302525 (74159705)	Shot pin dog	821611	2	~ P3450083
93	74302841	Cap screw	M6 x 14 (unbrako)	2	Q'ty 4 → 2: P3450084 ~
94	74302529 (74159706)	Switch base	821612	2	
95	74300608	Cap screw	M8 x 80	4	
96	74302532 (74159707)	Switch bracket	821613	4	
97	74302841	Cap screw	M6 x 14 (unbrako)	8	
98	74302328	Washer	M6	8	
99	74302306	Sensor cover	811620a	2	
100	74302812	Cap screw	M6 x 10	4	
101	74300517 (44027928)	Spring washer	M6	4	
102	74302307	Sensor cover (B)	811621a	2	
103	74302812	Cap screw	M6 x 10	8	
104	74300517 (44027928)	Spring washer	M6	8	
105	74303132	Proximity switch	BES516-345K	4	
106	74302840	Cap screw	M4 x 12 (unbrako)	8	
107	74302203	Spacer (upper)	811813a	1	a: P3450084 ~
108	74302519	Cylinder (upper)	811812b	1	b: P3450084 ~
109	74301633	Cap screw	M12 x 50	4	
110	74301615 (44028619)	Spring washer	M12	4	
111	74303214	Straight pin	φ13 x 40	1	
223	74302603	Shot pin	821743c	2	P3450084 ~
224	74302526	Shot pin dog	821611b	2	P3450084 ~

Unit No. 03
Turret

From serial No. P3450057 and after.



Unit No. 03

Turret

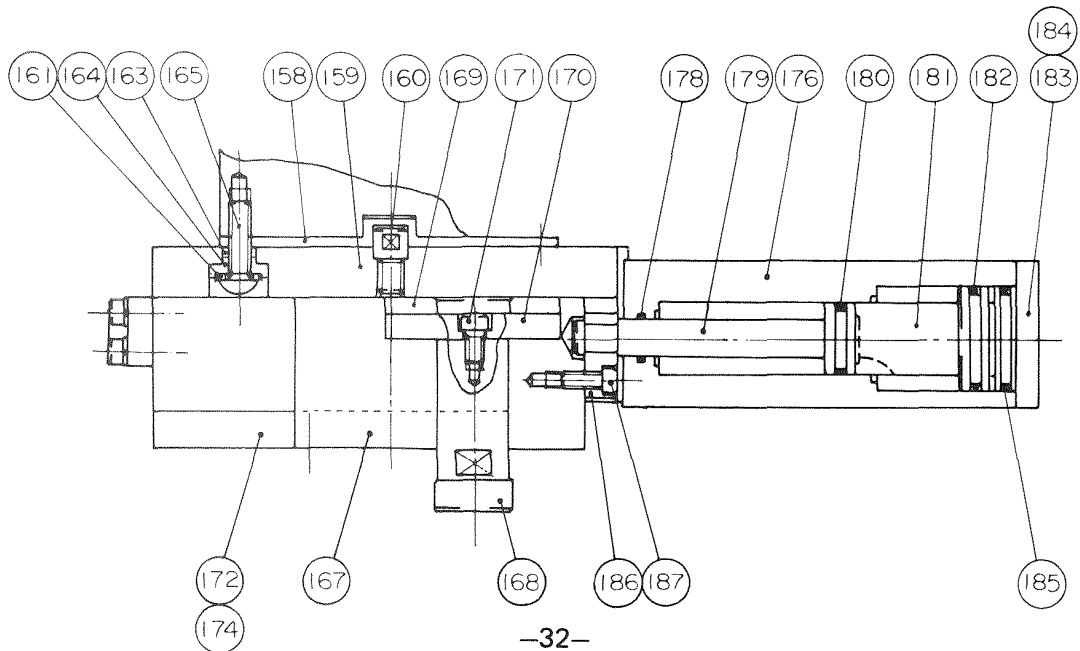
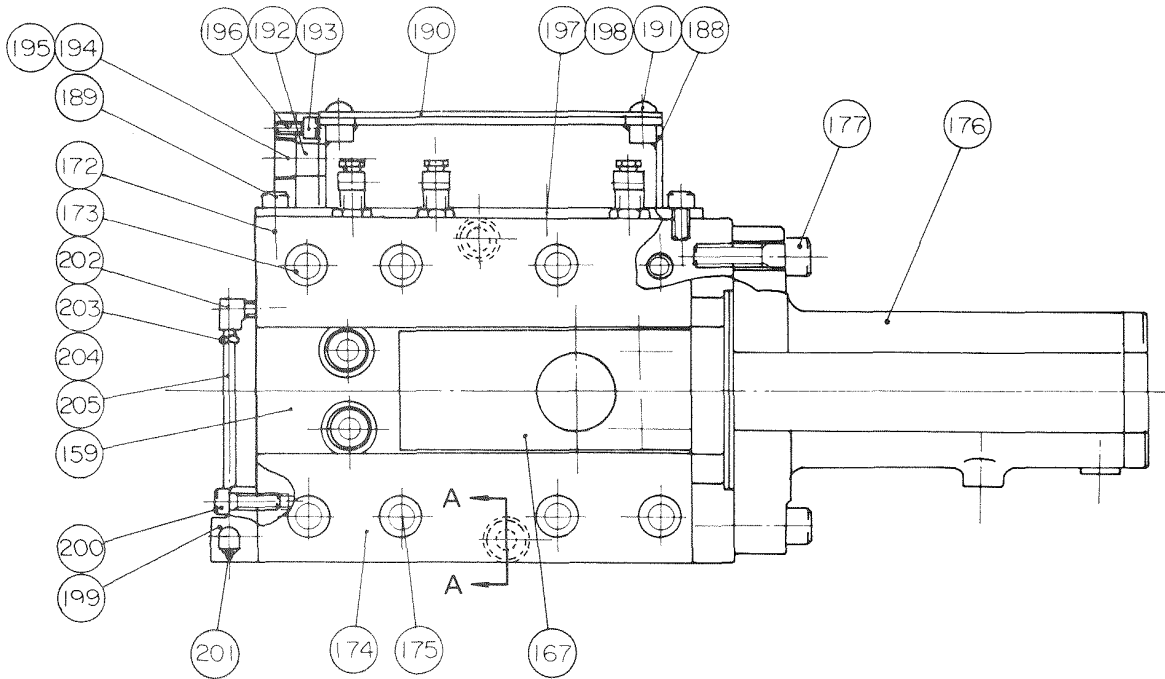
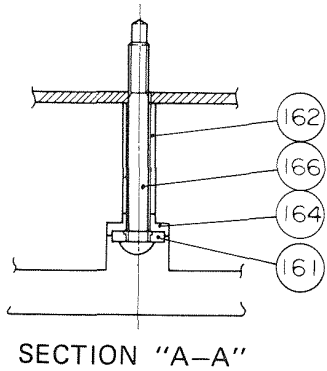
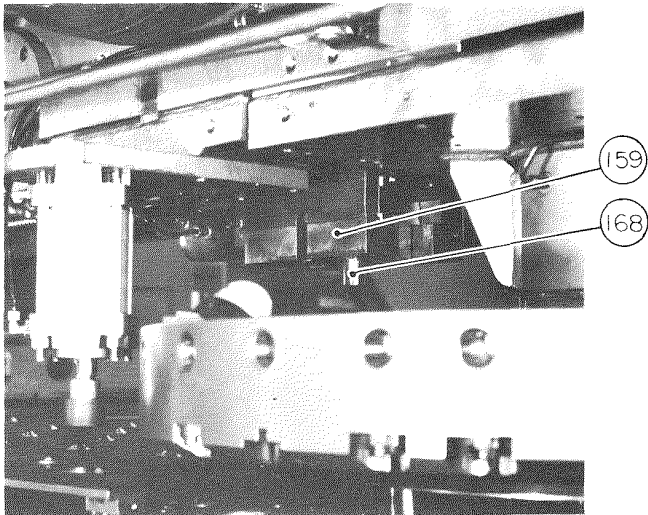
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Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
112	74302514	Lower base	811741b	1	~ P3450083
113	74303130	Socket	1/8"	1	
114	74302326	Washer	821009b	24	
115	74302851	Cap screw	M20 x 100 (unbrako)	16	
116	74302903	Spring washer	M20	16	
117	74302221	Bearing shaft (lower)	811608b	1	
118	74303015 (74160105)	Roller bearing	#32024XU	4	
119	74303127	Retainer	#32024XAV	4	
120	74302507	Crown nut	811674	2	
121	74303123	Crown washer	AW24	2	
122	74302226	Disk support	811609b	1	
123	74303202	Bolt	M16 x 45	4	
124	74302902	Spring washer	M16	4	
125	74302522	Scrap receiver	811823a	1	
126	74303201	Bolt	M6 x 15	6	
127	74300517 (44027928)	Spring washer	M6	6	
128	74302328 (44027930)	Washer	M6	6	
129	74302402	Driven sprocket (A)	811685a	1	
130	74302822	Cap screw	M12 x 70	6	
131	74303214	Straight pin	φ13 x 40	2	
132	74302301	Lower turret disk	811615b	1	
133	74302850	Cap screw	M20 x 80 (unbrako)	6	
134	74302302	Upper turret disk	811616e	1	
135	74302851	Cap screw	M20 x 100 (unbrako)	6	
136	74302104	Bushing	480336k	56	
137	74302304	Support plate	811617	1	
138	74302818	Cap screw	M8 x 30	6	
139	74303209 (74161611)	Free stroke bearing	C-8Y-A	19	
140	74307602	Cap screw	M6 x 16	38	
141	74300517 (44027928)	Spring washer	M6	38	
142	74302309	Upper base	811623c	1	
143	74302851	Cap screw	M20 x 100 (unbrako)	8	
144	74302903	Spring washer	M20	8	
145	74303215	Straight pin	φ13 x 80	4	
146	74302222	Bearing shaft	811624b	1	
147	74302403	Driven sprocket (B)	811686a	1	
148	74302823	Cap screw	M12 x 150	6	
149	74303216	Straight pin	φ13 x 150	2	
150	74302316	Shim (B)	821526d	2	
151	74302315	Shim	811629	2	

Turret

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Unit No. **03**

Turret

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
158	74302623	Insulating plate	822035b	1	
159	74302626 (74160330)	Punch holder guide	822036	1	Please order together with index No. 167
160	74302217	Locating pin	822037	1	
161	74302629	Insulating washer	822038	6	
162	74302804	Collar (L)	822052	2	
163	74302805 (74162503)	Collar (S)	822053	4	
164	74302327	Washer	822039	6	
165	74303225	Button head socket screw	M10 x 40 (unbrako)	4	
166	74303226	Button head socket screw	M10 x 90 (unbrako)	2	
167	74302701 (74160330)	Punch holder	822040	1	Please order together with index No. 159
168	74302704 (74160229)	Punch	822041a	1	
169	74302618 (74160034)	Back-up plate	821926	1	
170	74302620 (74160216)	Shear plate	821927b	1	
171	74302844	Cap screw	M8 x 20 (unbrako)	1	
172	74302708 (74160005)	Guide rail (L)	822042	1	
173	74302848	Cap screw	M12 x 35 (unbrako)	4	
174	74302709 (74160006)	Guide rail (R)	822043	1	
175	74302848	Cap screw	M12 x 35 (unbrako)	4	
176	74302713	Select cylinder	822044a	1	
177	74302849	Cap screw	M12 x 45 (unbrako)	4	
178	74303020 (10001124)	O-ring	P-18	1	
179	74302716 (74160217)	Piston	822045	1	
180	74303023 (58134723)	O-ring	P-29	1	
181	74302108	Float piston	480431d	1	
182	74303024 (52110303)	O-ring	P-44	1	
183	74302113	Cylinder cover	480432c	1	
184	74302842	Cap screw	M6 x 20 (unbrako)	6	
185	74303024 (52110303)	O-ring	P-44	1	
186	74302720	Connecting plate	822046a	1	
187	74302844	Cap screw	M8 x 20 (unbrako)	3	
188	74302723	Proximity switch box	822047a	1	
189	74302843	Cap screw	M8 x 14 (unbrako)	4	
190	74302726	Proximity switch box cover	822048	1	
191	74304818	Button head socket screw	M8 x 15 (unbrako)	4	
192	74302729	Insulating flange	822049	1	
193	74302844	Cap screw	M8 x 20 (unbrako)	2	
194	74302418	Flange	822050	1	
195	74302841	Cap screw	M6 x 14 (unbrako)	4	
196	74303227	Set screw (flat end)	M6 x 8	1	
197	74303230	Lug terminal	1.25-6	1	

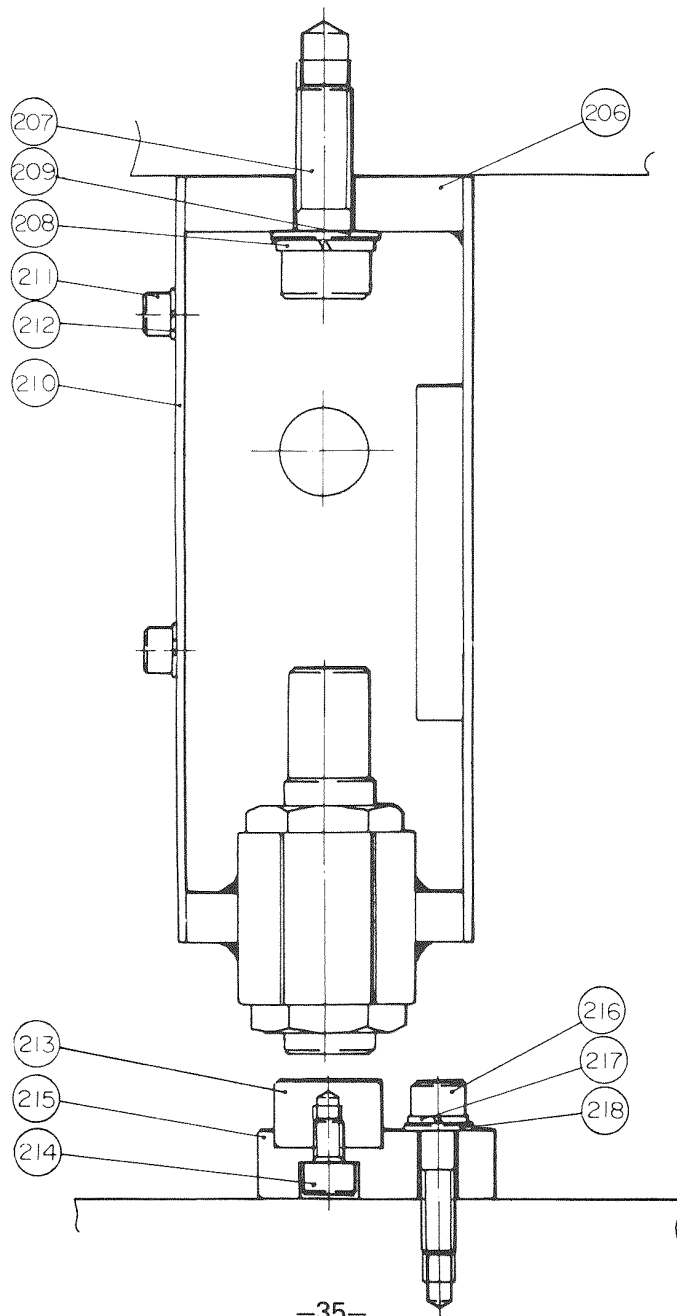
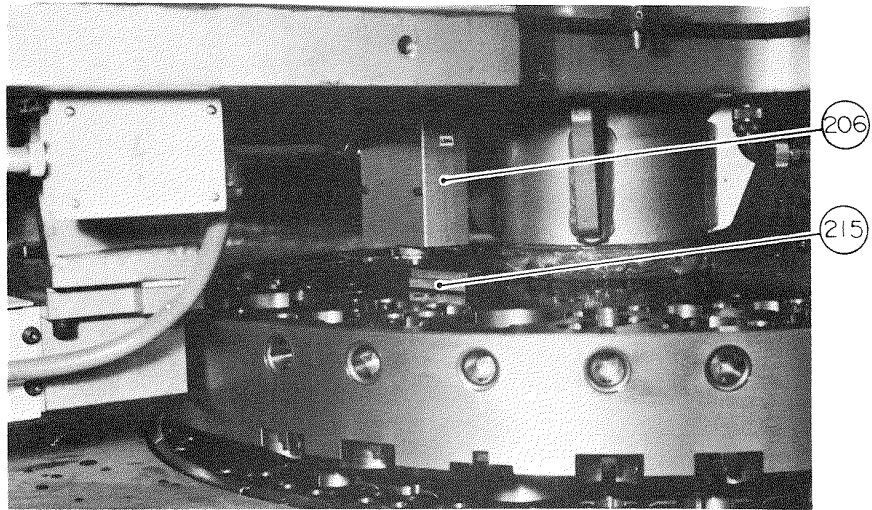
Turret

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Unit No. 03
Turret

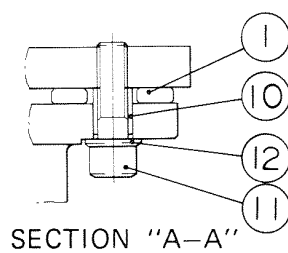
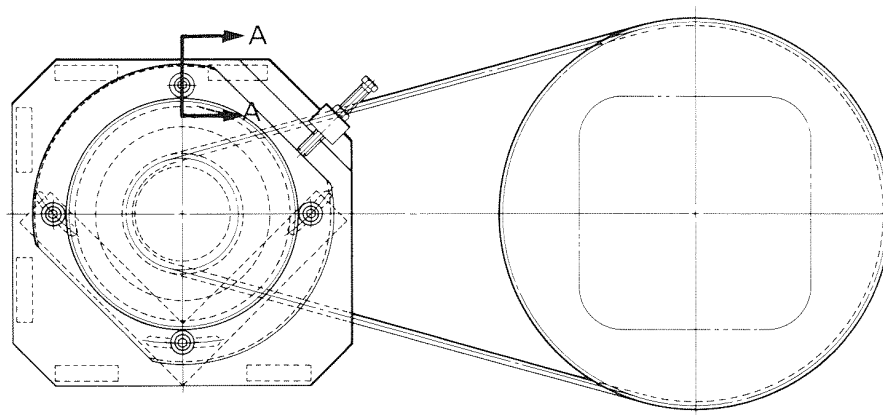
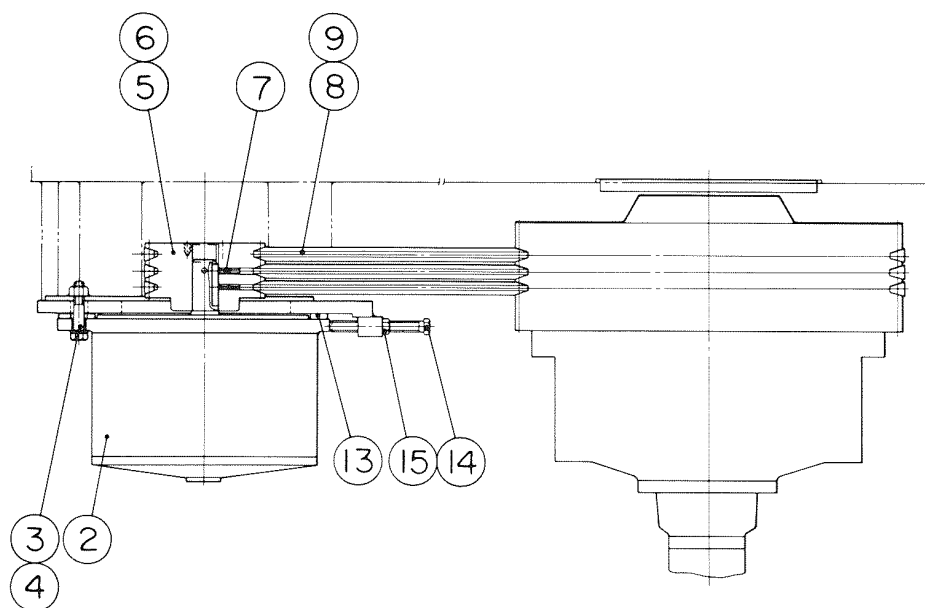
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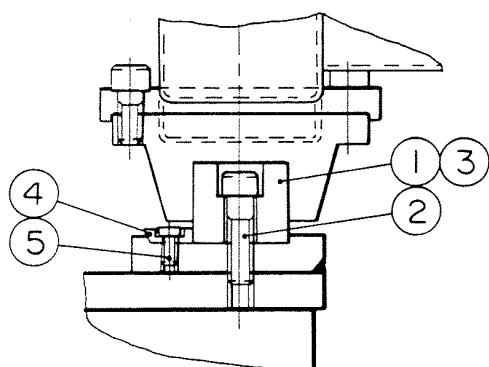
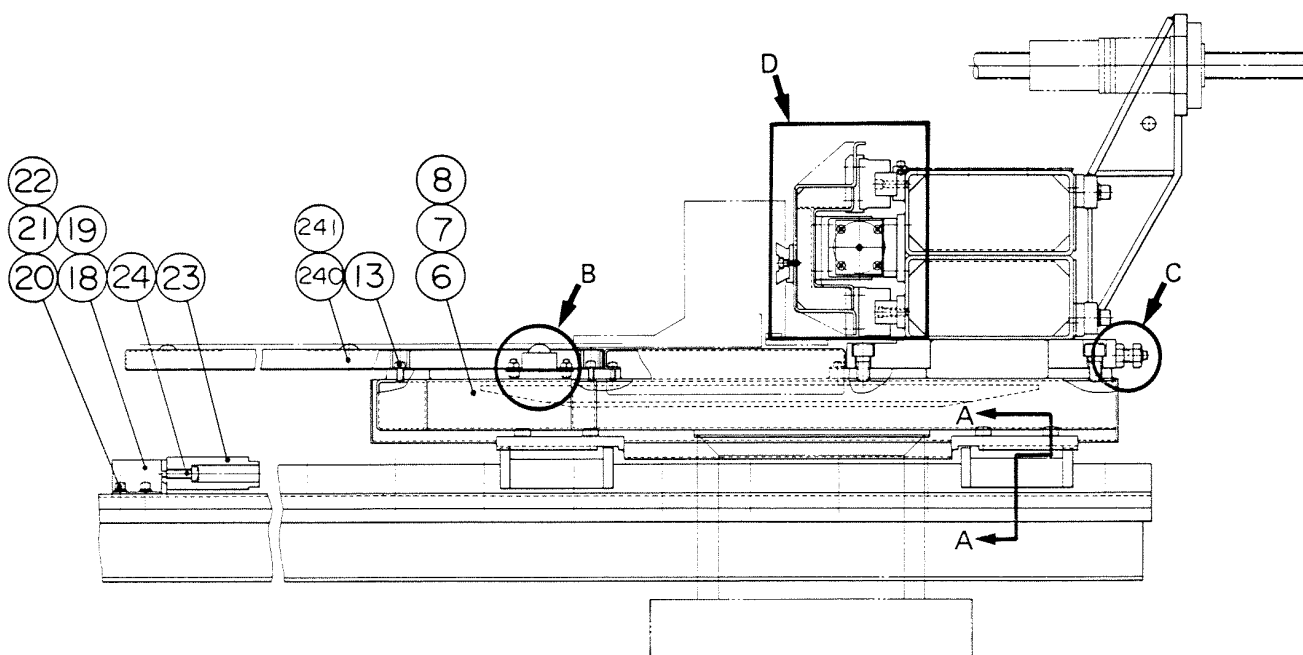
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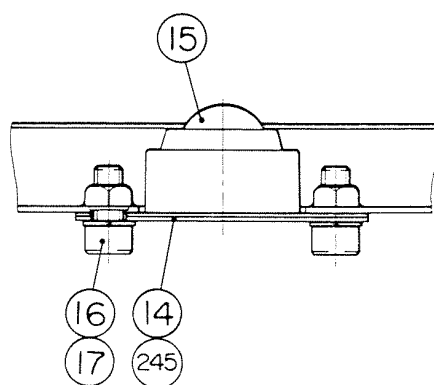
Motor drive

From serial No. P3450057 and after.

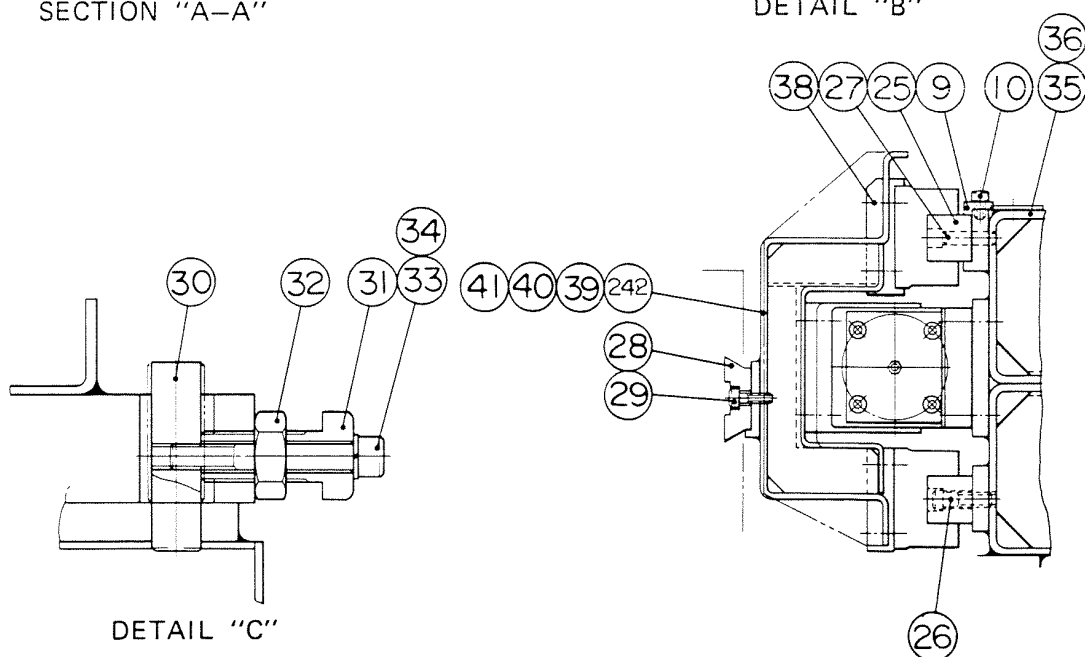
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SECTION "A-A"



DETAIL "B"



DETAIL "C"

DETAIL "D"

Unit No. 05

Slide

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
1	74303608	Y-axis guide	7932061a	2	
2	74304917	Cap screw	M12 x 40	36	
3	74303804	Straight pin (with screw)	φ8 x 40	4	
4	74304310	Stopper collar	813617	18	
5	74304818	Button head socket screw	M8 x 15 (unbrako)	18	
6	74304305	Support bracket (F)	813615b	1	
7	74304306	Support bracket (R)	813616c	1	
8	74302819 (44028616)	Cap screw	M12 x 30	16	
9	74304226	X-axis guide retainer	813611a	2	
10	74302812	Cap screw	M6 x 10	12	
13	74302817 (73157630)	Cap screw	M8 x 15	20	
14	74304314	Free stroke bearing plate	813618	50	~ P3450081
15	74303209 (74161611)	Free stroke bearing	C-8Y-A	50	
16	74302817 (73157630)	Cap screw	M8 x 15	100	
17	74300518 (10001521)	Spring washer	M8	100	
18	74303912	Stopper (F)	813139	1	
19	74303913	Stopper (R)	813141	1	
20	74300606 (44235241)	Cap screw	M8 x 20	4	
21	74300518 (10001521)	Spring washer	M8	4	
22	74300511	Washer	M8	4	
23	74303901	Damper (E)	813121a	2	
24	74304821	Stripper bolt	M8	2	
25	74303605	X-axis guide	7932060a	2	
26	74304904	Cap screw	M6 x 30	52	
27	74303805	Straight pin (with screw)	φ6 x 25	8	
28	74304221	Guide plate	813610	1	
29	74302815	Cap screw	M6 x 20	17	
30	74304317	Adjusting pin	813619	1	
31	74304331	Adjusting bolt	813626	1	
32	74304424 (10570308)	Nut	M16 type 3	1	
33	74304911	Cap screw	M8 x 60	1	
34	74300518 (10001521)	Spring washer	M8	1	
35	74304203	Carriage base	813601d	1	d: Jan. '87 ~
36	74304915 (59157426)	Cap screw	M16 x 30	8	
38	74302817 (73157630)	Cap screw	M8 x 15	16	
39	74304827 (37115431)	Grease nipple	A-M6	5	
40	74304918	Cap screw	M10 x 35	4	
41	74303806	Straight pin	φ8 x 45	2	
240	74304323	Front side table	813633	1	
241	74304324	Rear side table	813634	1	

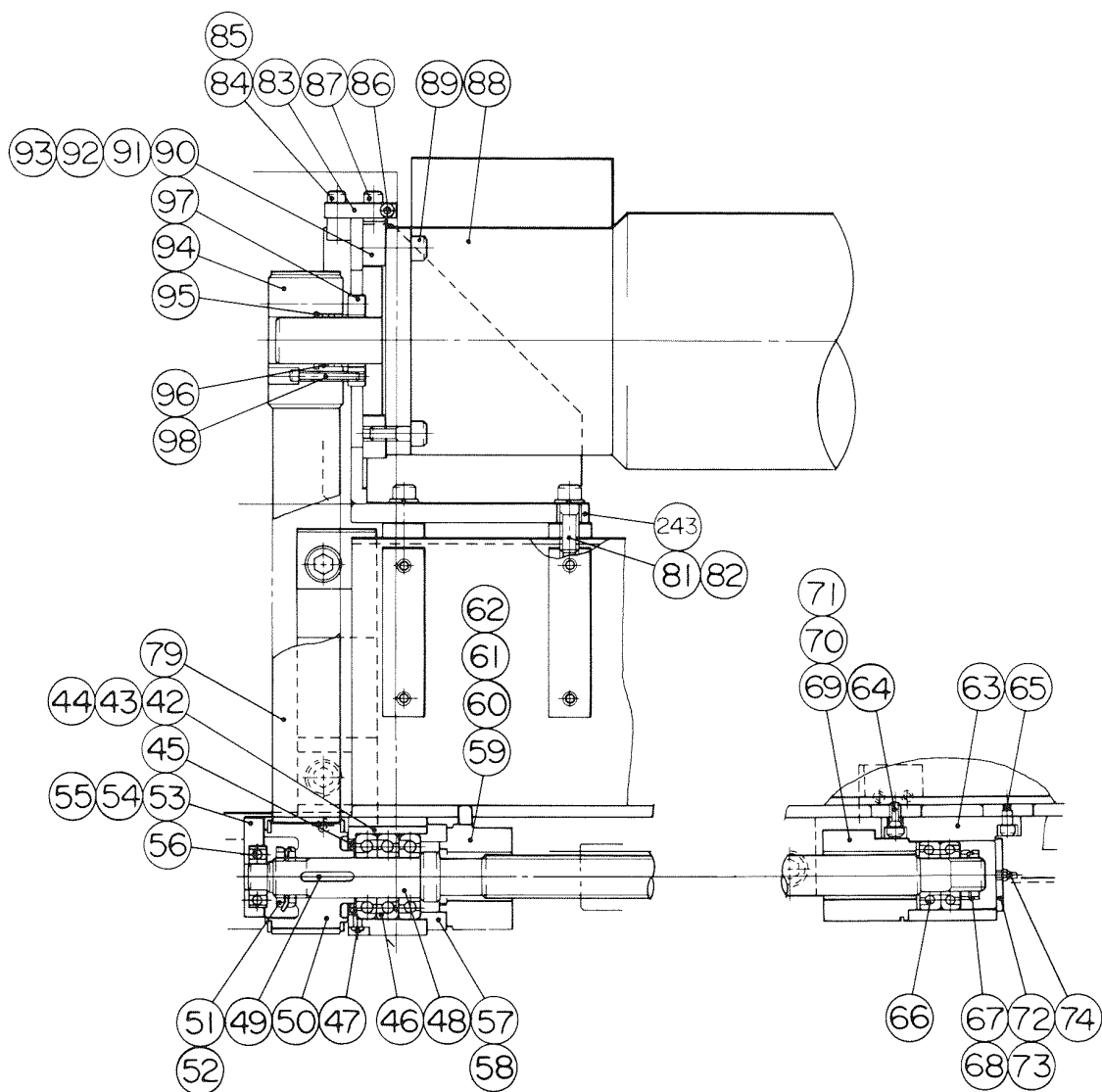
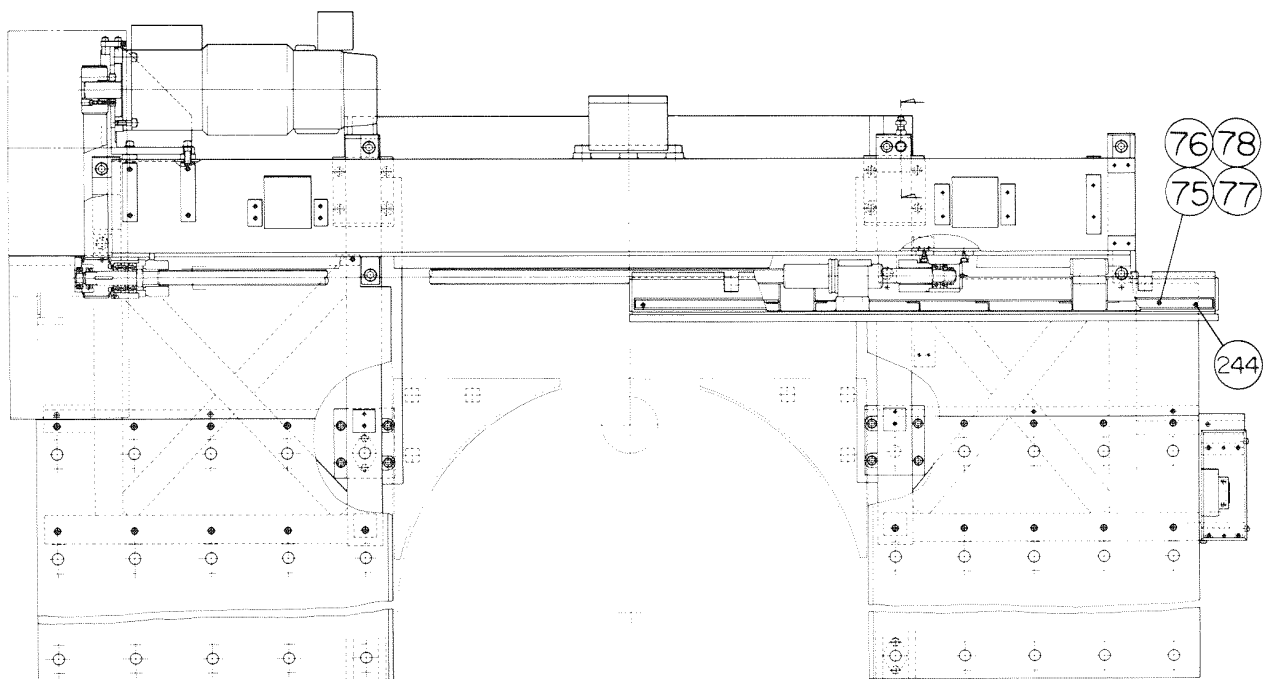
Unit No. 05
Slide

From serial No. P3450057 and after.

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Unit No. 05
Slide

From serial No. P3450057 and after.



Unit No. 05

Slide

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
42	74304207	Bearing holder (A)	813604b	1	
43	74304913	Cap screw	M10 x 40	4	
44	74303806	Straight pin	φ8 x 45	2	
45	74304923	Oil seal	AF2340F0	1	
46	74304929 (74161023)	Ball bearing set	#7206CDFT/GNP4	1	
47	74304827 (37115431)	Grease nipple	A-M6	1	
48	74303614	X-axis ball screw	7932062a	1	
49	74303712 (74160932)	Key	805536b	1	
50	74303909	Driven pulley	823076c	1	
51	74305002 (74161409)	Crown nut	AN06	2	
52	74305007 (10310733)	Crown washer	AW06	1	
53	74304228	Bearing bracket	813612	1	
54	74302815	Cap screw	M6 x 20	4	
55	74305011	Spring pin	φ4 x 30	2	
56	74304925 (75171405)	Ball bearing	#6204ZZ	1	
57	74304301	Bearing retainer (A)	813613	1	
58	74300606 (44235241)	Cap screw	M8 x 20	4	
59	74303902	Damper (A)	813607a	1	
60	74304217	Retainer (A)	813609	2	
61	74305016 (58250511)	Pan head machine screw	M5 x 8	2	
62	74300526	Toothed lock washer	M5	2	
63	74304208	Bearing holder (B)	813605a	1	
64	74300607 (21415514)	Cap screw	M8 x 25	4	
65	74304822	Stripper bolt	φ8 x 10 M6	1	
66	74304926	Ball bearing set	#7205ADB	1	
67	74305001 (10205421)	Crown nut	AN05	2	
68	74305006 (58135320)	Crown washer	AW05	1	
69	74303903	Damper (B)	813608a	1	
70	74304218 (74161605)	Retainer	823014	2	
71	74305022 (52111834)	Countersink head machine screw	M4 x 8	4	
72	74304210	Bearing holder cover	813606	1	
73	74302815	Cap screw	M6 x 20	4	
74	74304827 (37115431)	Grease nipple	A-M6	1	
75	74304728	Scale (mm)	824536	1	
76	74304729	Scale (inch)	824734a	1	a: P3450084 ~
77	74303219	Button head socket screw	M6 x 12	6	
78	74300527	Toothed lock washer	M6	6	
79	74305101 (74161726)	Timing belt	430H-200	1	
81	74304917	Cap screw	M12 x 40	4	
82	74301615 (44028619)	Spring washer	M12	4	

Unit No. 05

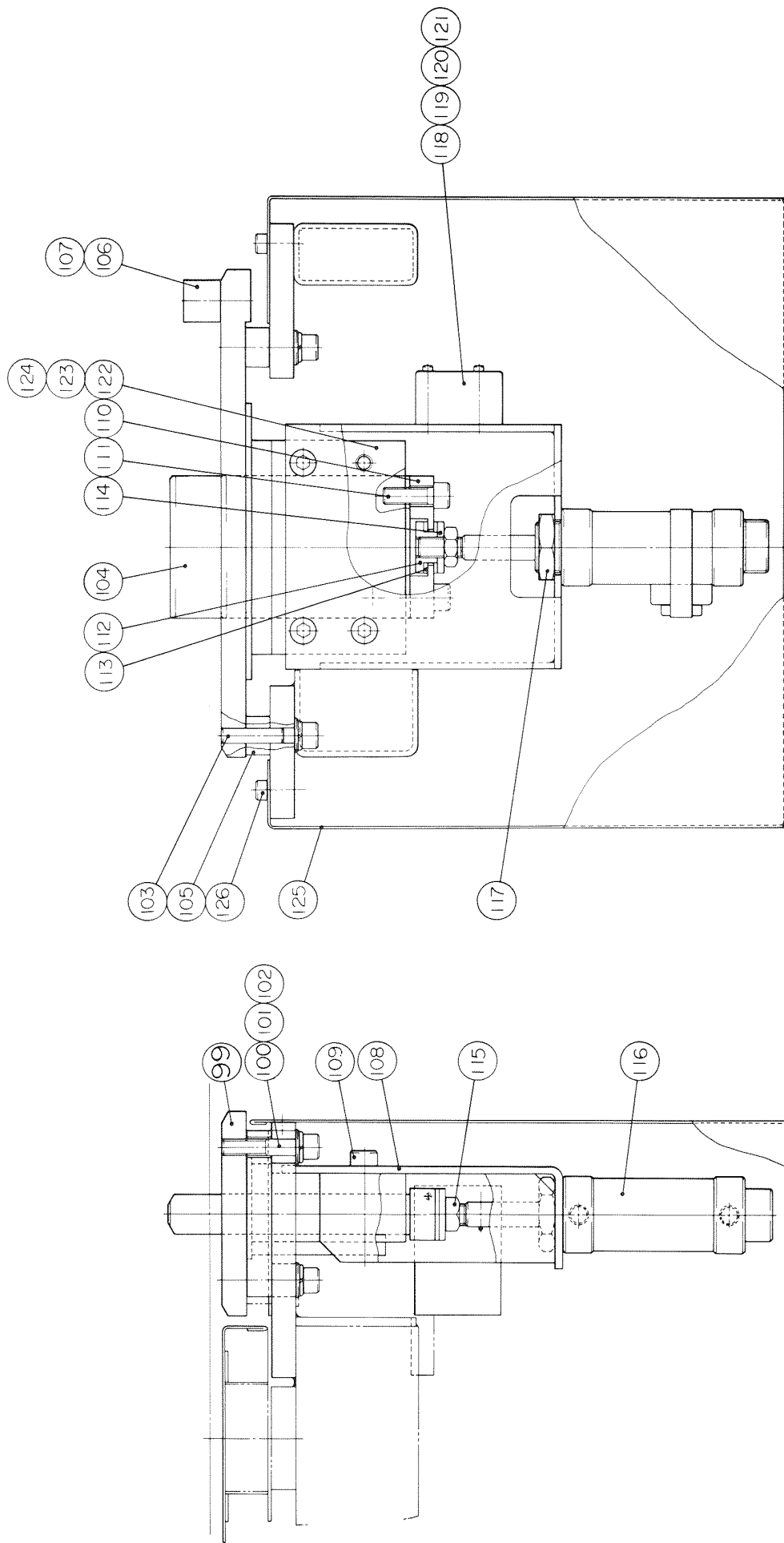
Slide

From serial No. P3450057 and after.

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Unit No. 05
Slide

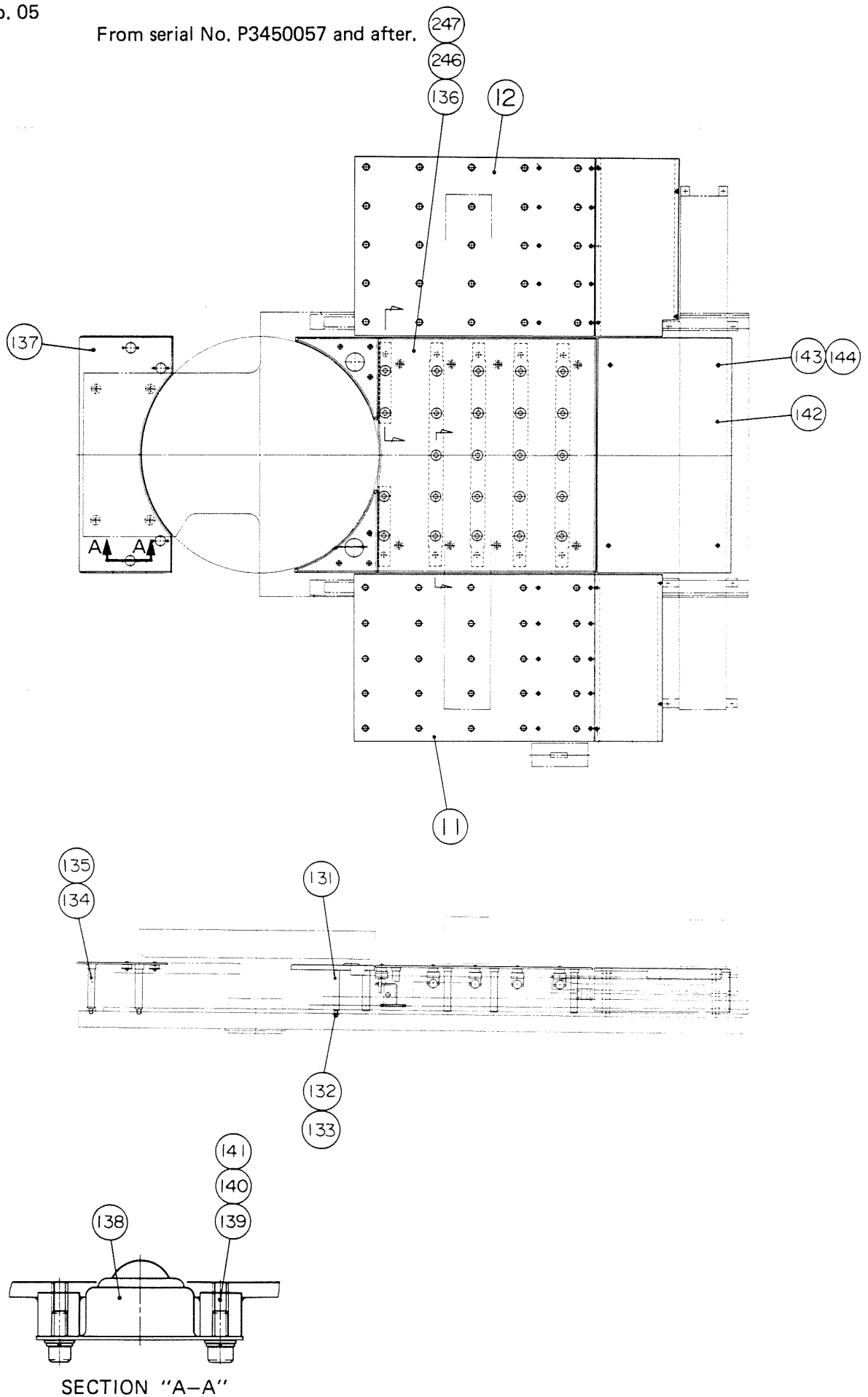
From serial No. P3450057 and after.



Unit No. 05
Slide

From serial No. P3450057 and after.

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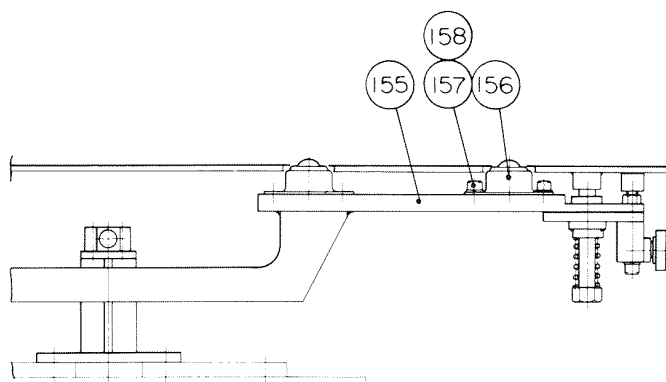
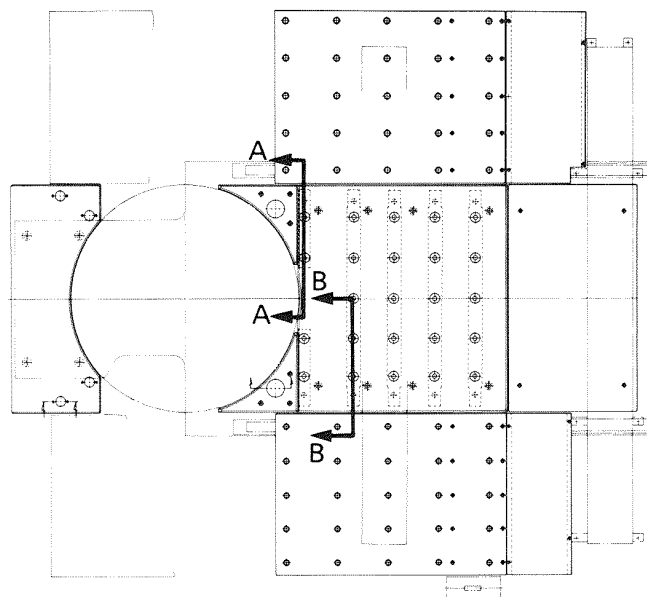


Unit No. 05

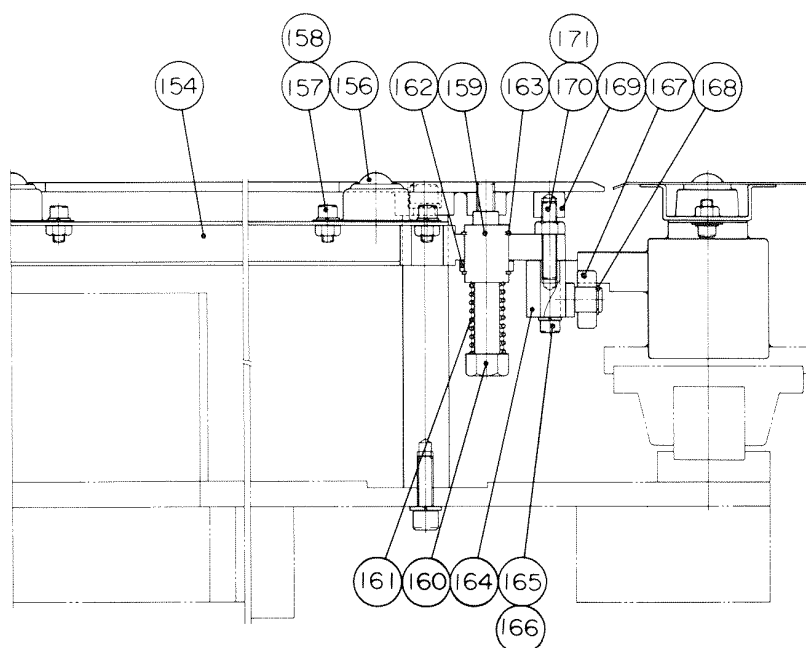
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SECTION "A-A"



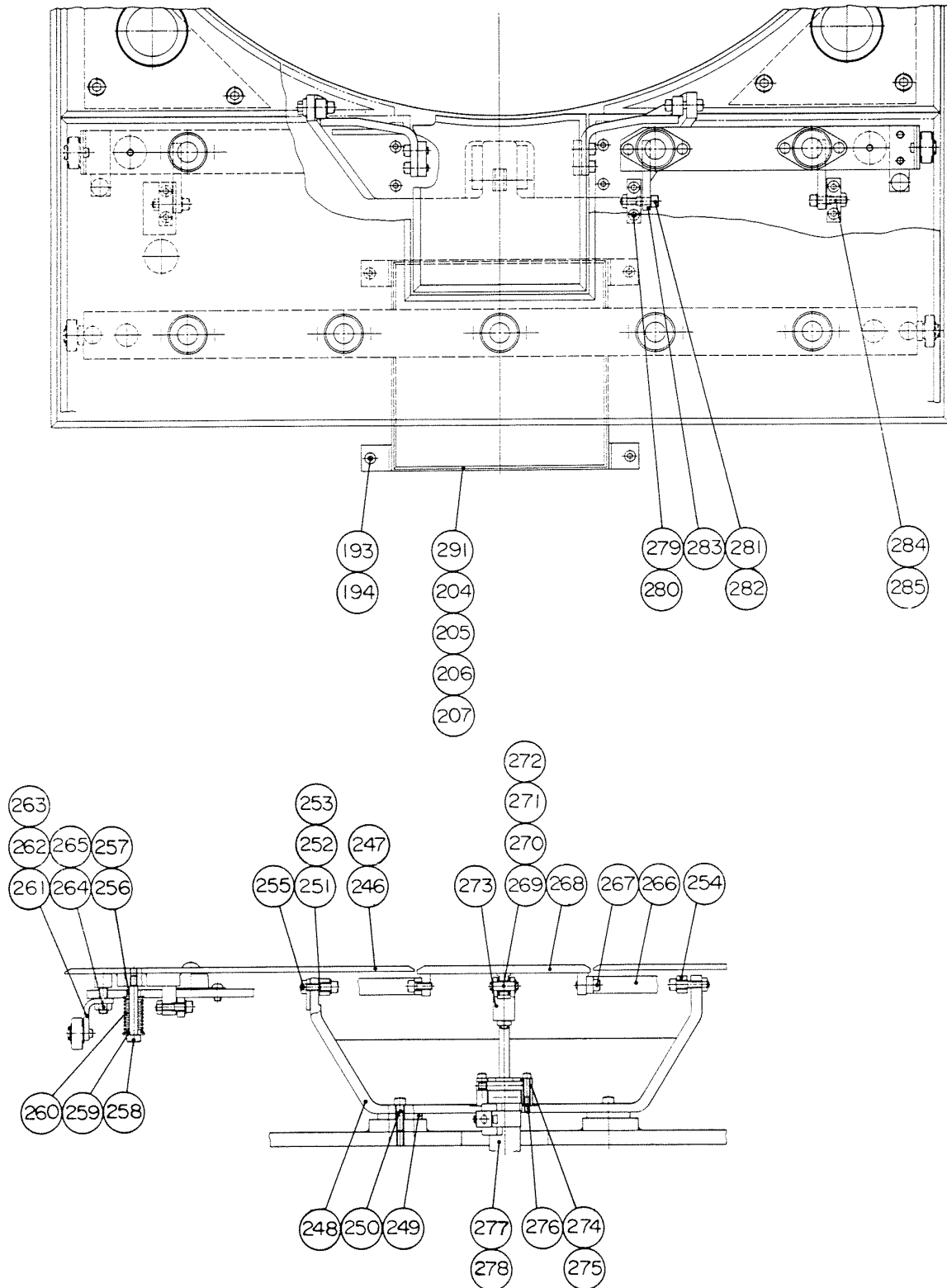
SECTION "B-B"

Unit No. 05

Slide

From serial No. P3450057 and after.

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Unit No. 05

Slide

From serial No. P3450084 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
193	74300606 (44235241)	Cap screw	M8 x 20	4	
194	74300518 (10001521)	Spring washer	M8	4	
204	74305225	Rubber sheet	250 x 500 x 2 ^t	1	
205	74304631	Sheet (B)	820595b	1	
206	74300708	Pan head machine screw	M6 x 16	2	
207	74300517 (44027928)	Spring washer	M6	2	
248	74304103	Work chute bracket	823511a	1	
249	74304124	Spacer	819343	2	
250	74302818	Cap screw	M8 x 30	4	
251	74301627 (38020507)	Cap screw	M8 x 35	2	
252	74314921	Oilless metal bushing	MB0808-15FDU	1	
253	74305320 (56127502)	Oilless metal washer	WC06DUN	1	
254	74305311 (55125127)	Oilless metal bushing	MB0808DU	1	
255	74300504 (10001517)	Nut	M8 (type 1)	2	
256	74304003	Free stroke bearing guide (F)	823521a	1	
257	74304004	Free stroke bearing guide (R)	823522a	1	
258	74304023 (43134309)	Stripper bolt	MSB-10-55	2	
259	74304013 (74333912)	Spring collar	830399	2	
260	74304009	Spring	813163	2	
261	74304543	Roller bracket (F)	819344	1	
262	74304544	Roller bracket (R)	819345	1	
263	74300606 (44235241)	Cap screw	M8 x 20	4	
264	74304425 (74534611)	Set screw	M10 x 40	2	
265	74304423 (10001516)	Nut	M10	2	
266	74304127	Arm	823514a	2	
267	74300606 (44235241)	Cap screw	M8 x 20	4	
268	74304107	Chute table	823516b	1	
269	74304715	Pin (Z)	823518	1	
270	74314616 (10205431)	Snap ring	STW-10	2	
271	74300512	Washer	M10	2	
272	74305319 (10319265)	Oilless metal bushing	MB1010DU	1	
273	74304713	Clevis	823517	1	
274	74304130	Support block	823520a	2	
275	74309803 (44446227)	Cap screw	M6 x 40	4	
276	74305312 (79572517)	Oilless metal bushing	MB0910DU	2	
277	74303602	Air cylinder	CDMU30-50-59L-XC1	1	
278	74315309	Elbow	PL6-PT 1/8"	2	
279	74304133	Hinge block	823525	4	
280	74304909	Cap screw	M8 x 40	8	
281	74301627 (38020507)	Cap screw	M8 x 35	4	

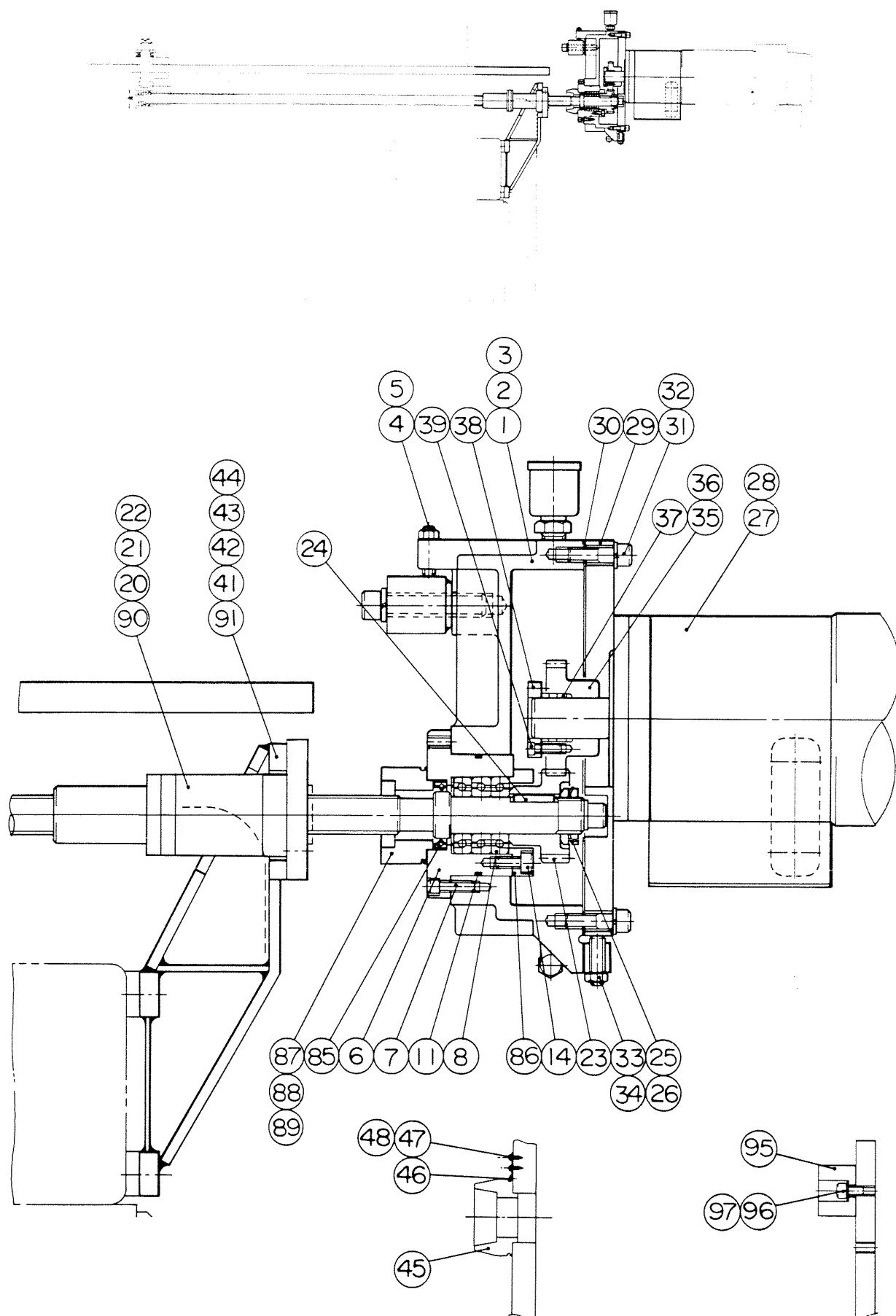
Slide

From serial No. P3450084 and after.

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Unit No. 06
Y-axis

From serial No. P3450057 and after.



Unit No.06

Y-axis

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
1	74304501	Y-axis gear box	815511b	1	b: P3450084 ~
2	74304916	Cap screw	M16 x 85	4	
3	74302902	Spring washer	M16	4	
4	74305511	Set screw	M10 x 40	2	
5	74304423 (10001516)	Nut	M10	2	
6	74304504	Y-axis bearing housing (A)	815512a	1	
7	74304947	Cap screw	M10 x 30 (unbrako)	4	
8	74304930	Ball bearing set	30TAC62DBD	1	
11	74305203 (52106914)	O-ring	G-95	1	
14	74300609	Cap screw	M10 x 25 (unbrako)	4	
20	74302845	Cap screw	M8 x 25 (unbrako)	4	
21	74305325	Dowel pin (with screw)	φ8m6 x 30	2	~ P3450083
22	74304826 (75169304)	Grease nipple	A-1/8"	1	
23	74304510 (74161013)	Y-axis driven gear	815515	1	
24	74303711 (74160932)	Key	805536a	1	
25	74305002 (58134502)	Crown nut	AN06	2	
26	74305007 (10310733)	Crown washer	AW06	1	
27	74305106	D.C. servo motor	10L-4X	1	
28	74303722 (74161701)	Packing	805560	1	
29	74304522	Motor bracket	815528	1	
30	74303723	Packing	815517	1	
31	74301633	Cap screw	M12 x 50	4	
32	74302901 (44028619)	Spring washer	M12	4	
33	74305511	Set screw	M10 x 40	1	
34	74304423 (10001516)	Nut	M10	1	
35	74304525	DX drive gear	815529	1	
36	74303715 (74161629)	Spacer	805558	2	
37	74305027 (74161705)	Spann ring	RfN8006, φ35 x φ40 x 7	2	
38	74304512 (74161632)	Flange	815519	1	
39	74301626 (75168508)	Cap screw	M6 x 25	4	
41	74302848	Cap screw	M12 x 35 (unbrako)	4	Q'ty 6 → 4; P3450084 ~
42	74302901 (44028619)	Spring washer	M12	4	Q'ty 6 → 4; P3450084 ~
43	74303703 (74165310)	Washer	827014b	4	Q'ty 6 → 4; P3450084 ~
44	74305324	Dowel pin (with screw)	φ8m6 x 25	2	
45	74303905	Damper (A)	815526	1	~ P3450083
46	74304518	Retainer (A)	815527	2	~ P3450083
47	74305017	Pan head machine screw	M5 x 10	4	~ P3450083
48	74300516 (44027927)	Spring washer	M5	4	~ P3450083
85	74304921	Oil seal	AB2369F0	1	
86	74304508	Y-axis bearing retainer	815555	1	

Y-axis

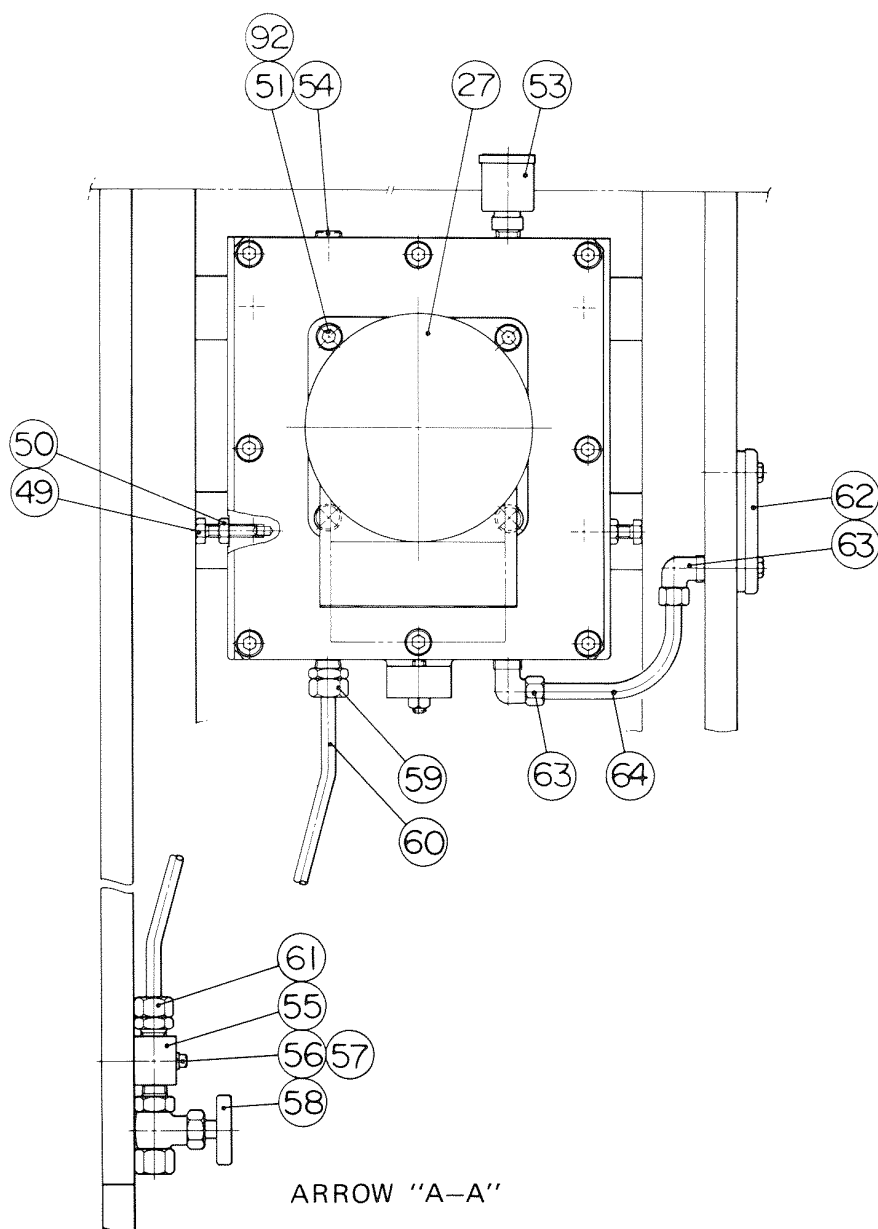
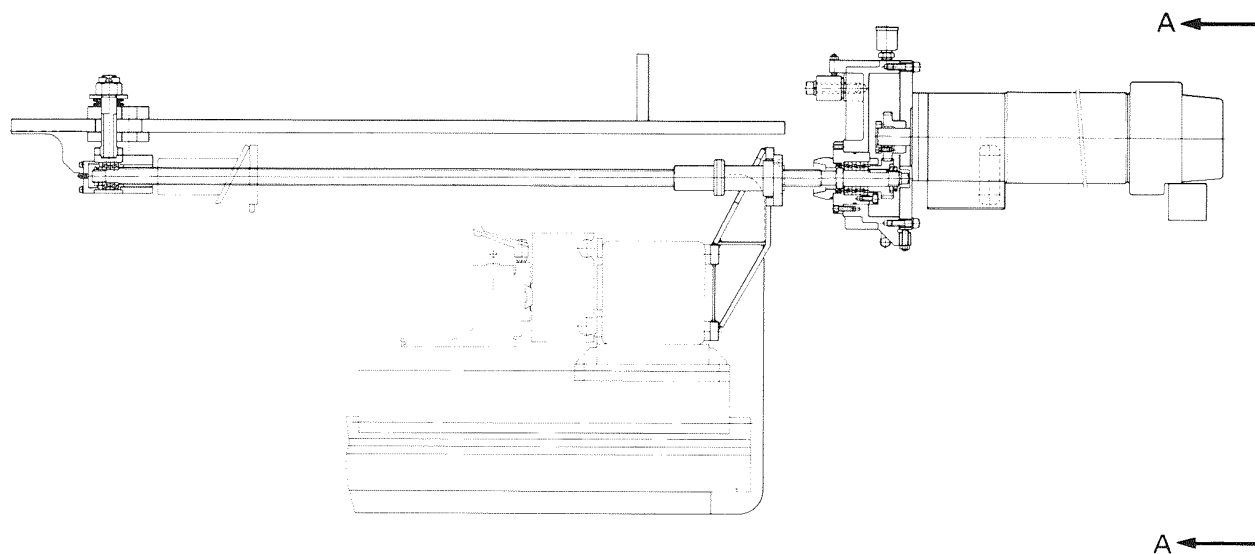
From serial No. P3450057 and after.

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Unit No. 06

Y-axis

From serial No. P3450057 and after.



Unit No. 06

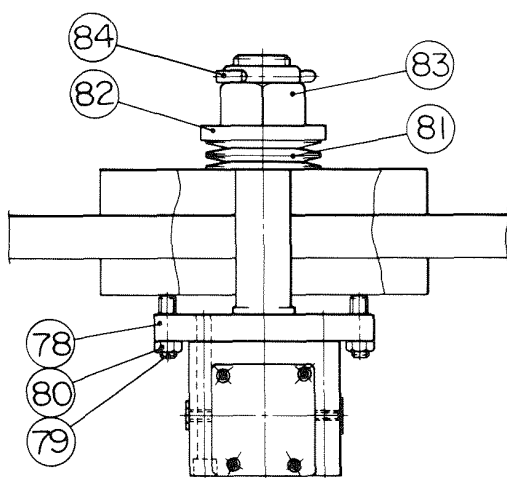
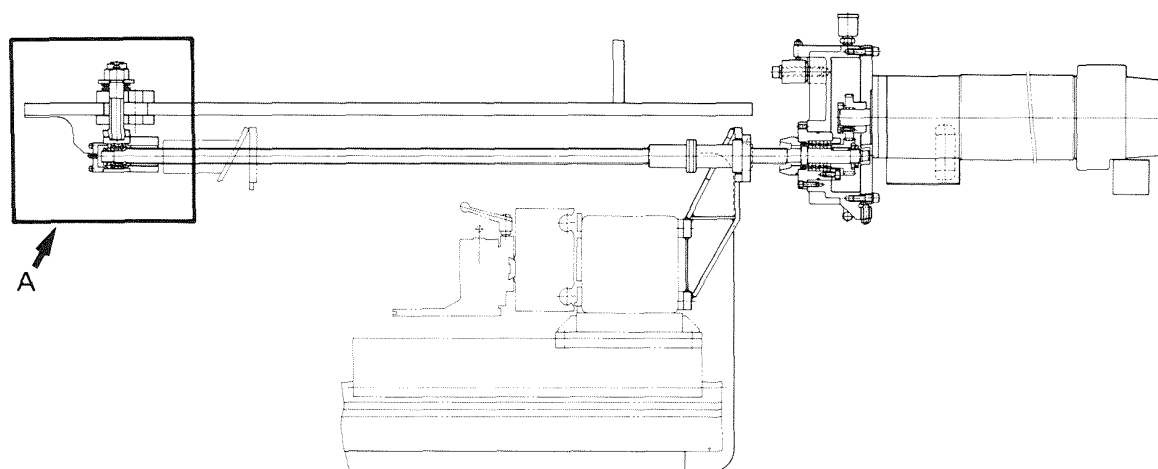
Y-axis

From serial No. P3450057 and after.

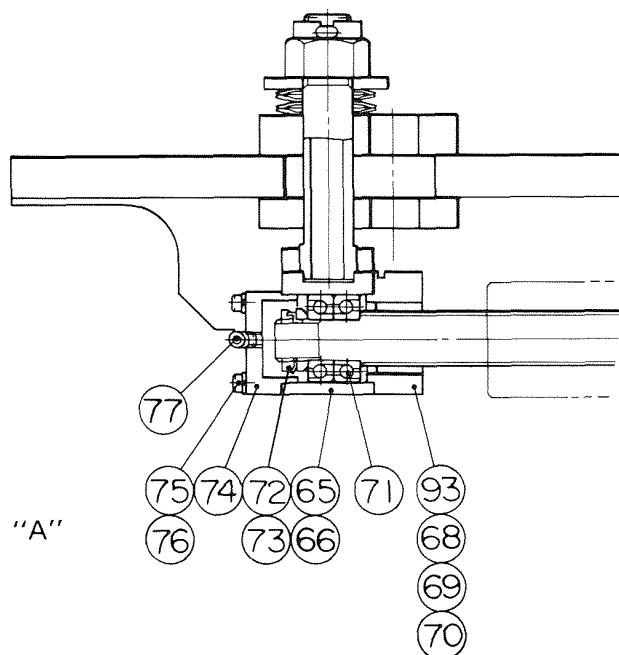
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Unit No. 06
Y-axis

From serial No. P3450057 and after.



DETAIL "A"

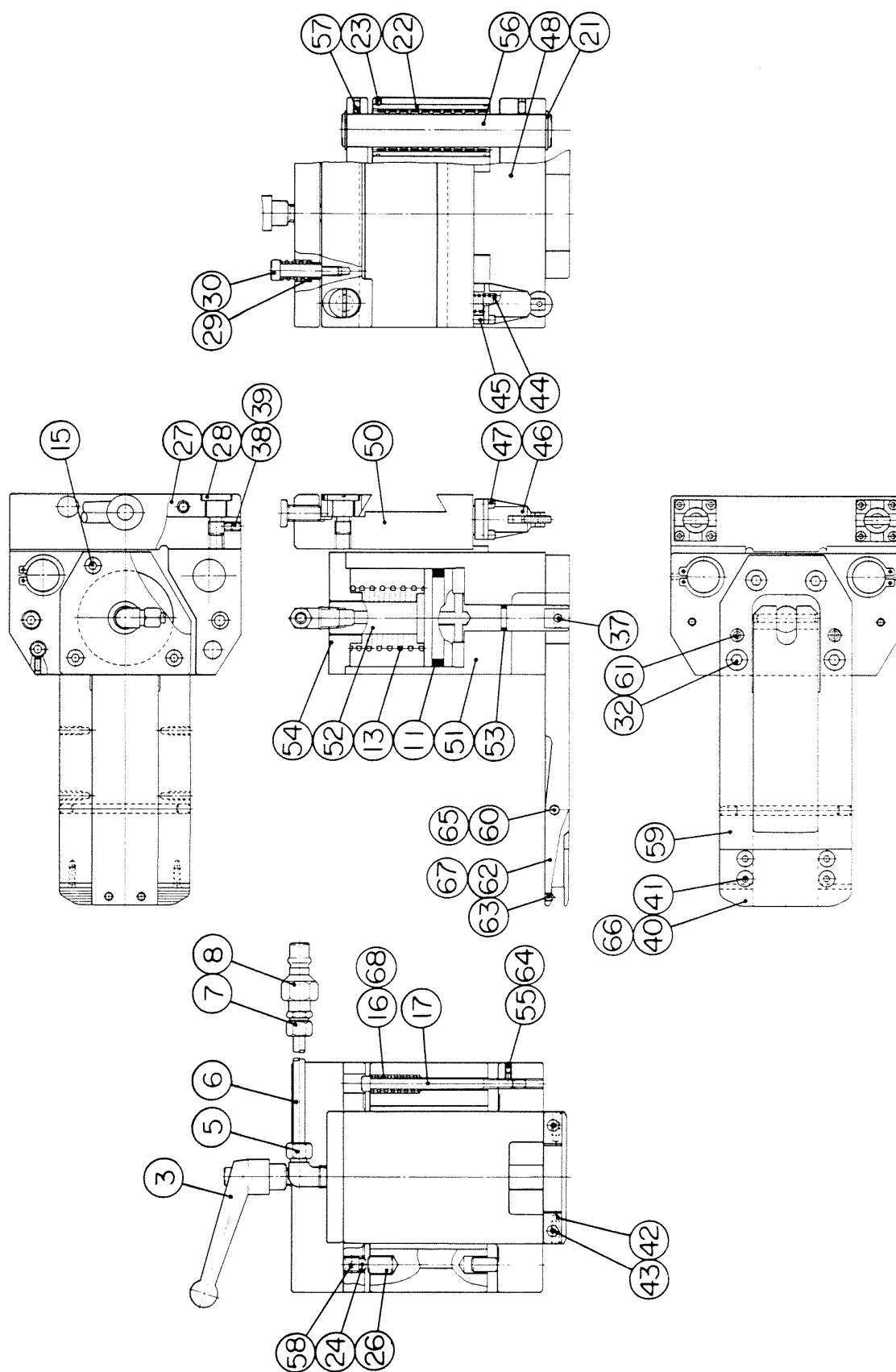


Unit No. 06

Y-axis

From serial No. P3450057 and after.

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Unit No.07

Clamp

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
3	74305232 (71105613)	Clamp lever	KR10 x 20	2	
5	74305520 (81182513)	Elbow	B-6 x 4-PT 1/4-BS	2	
6	74305304	Tube	30-06 (1M)	2	
7	74304832 (74161369)	Nipple	A-6 x 4-PT 1/4-BS	2	
8	74305410 (74162522)	Plug	20PF (1/4)	2	
11	74305202 (10317120)	O-ring	P-50A	2	
13	74303726 (74161330)	Spring	806005	2	
15	74300604	Cap screw	M6 x 15	8	
16	74303504	Hanging spring	5033653	4	~ P3450076
17	74304907	Cap screw	M6 x 85	4	
21	74305214 (10001102)	Snap ring	STW-20	8	
22	74303528	Stroke bearing	6010232	4	
23	74305501 (74353901)	Set screw (cone end)	M4 x 4	4	
24	74305509	Set screw (dog end)	M10 x 14	4	
26	74303731	Cushion	806009	8	
27	74304608	Lock plate	816004a	2	
28	74304611	Pressure pin	816005b	4	
29	74304614	Release spring	816006	4	
30	74304022	Stripper bolt	STO8 x 25	4	
32	74302817 (73157630)	Cap screw	M8 x 15	8	
37	74303803	Straight pin	φ5m6 x 36	2	
38	74303816	Insert	806073	4	
39	74305504 (10322119)	Set screw	M6 x 6	4	
40	74304617	Clamp plate	816025b	2	~ P3450076
41	74305020	Countersink head socket screw	M5 x 12 (unbrako)	8	
42	74304620 (74161353)	Stopper plate	816026a	4	
43	74305019	Countersink head socket screw	M4 x 10 (unbrako)	4	
44	74303727	Spring	826015c	4	
45	74303718 (74161333)	Spacer	826016b	4	
46	74305031	Head	6WPH200-1	4	
47	74304936	Cap screw	M4 x 16 (unbrako)	16	
48	74304810	Head cover	826017	4	
49	74304624	Clamp ass'y	826180c	2	c: P3450077 ~
50	74303511	Clamp housing	826181b	2	b: P3450077 ~
51	74303508	Cylinder	826183b	2	
52	74303513	Piston	826184b	2	
53	74305204 (36110501)	O-ring	P-16	2	
54	74303522	Cylinder cap	826188	2	
55	74305514 (10322119)	Set screw (flat end)	M6 x 6	4	
56	74303526	Stroke shaft	826187	4	

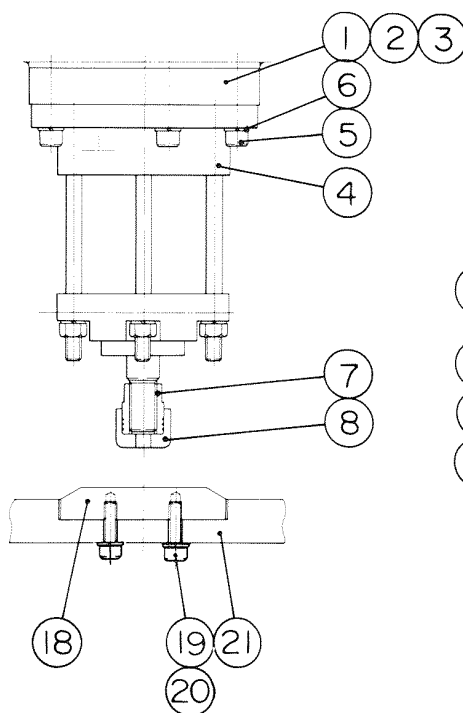
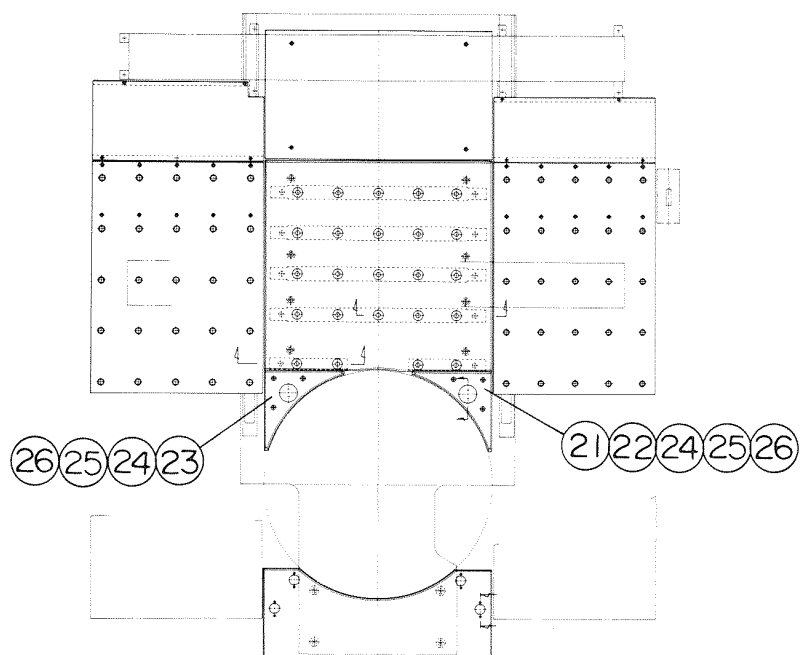
Unit No. 07
Clamp

From serial No. P3450057 and after.

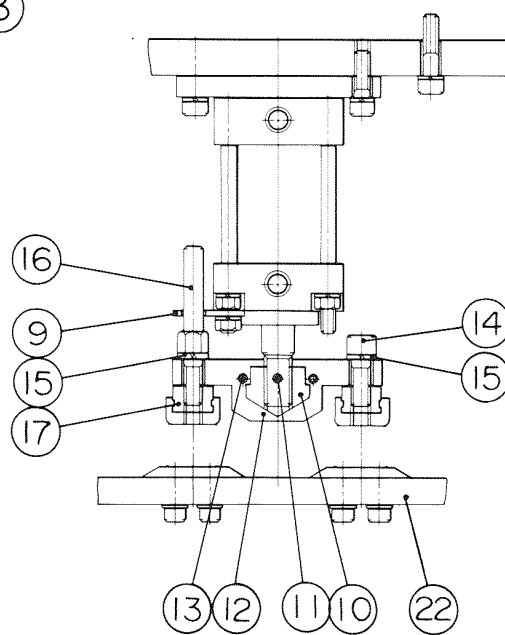
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Unit No. 08
Repositioning

From serial No. P3450057 and after.



Single repositioning



Double repositioning (option)

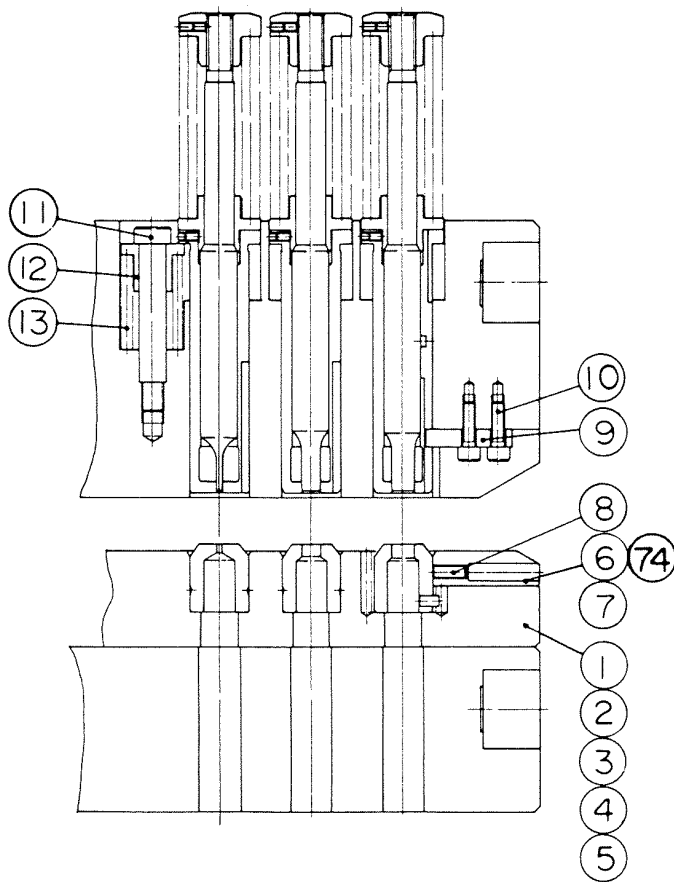
Unit No. 08

Repositioning

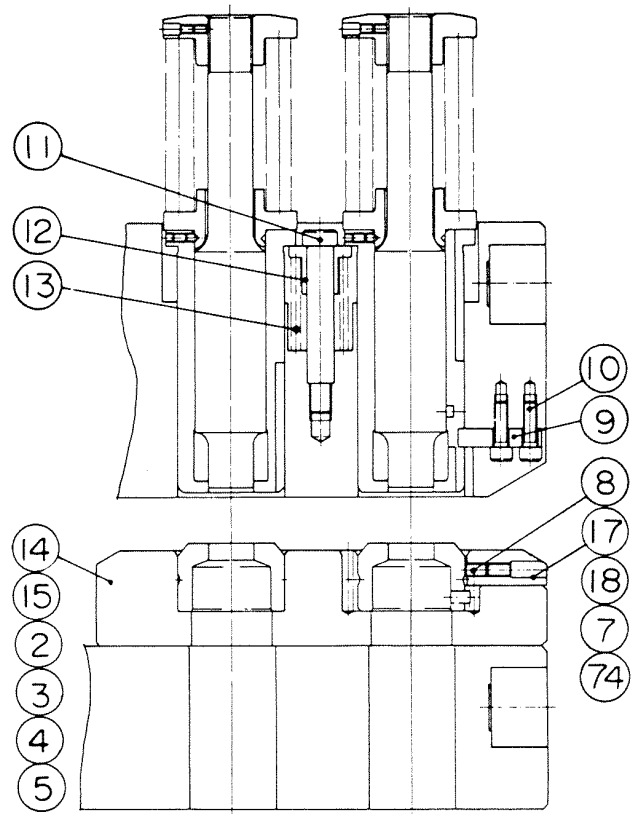
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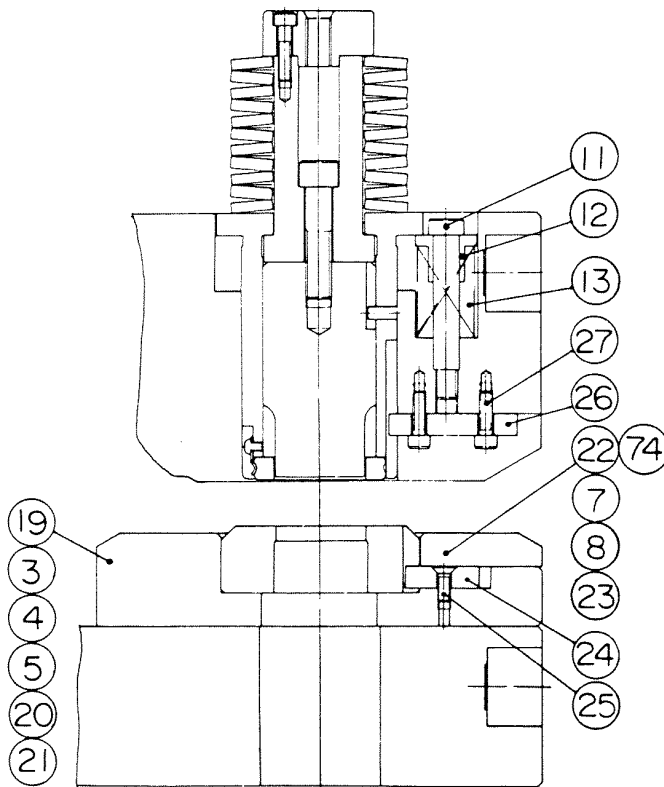
* Parentheses in Q'ty indicate the quantity used in double repositioning system.



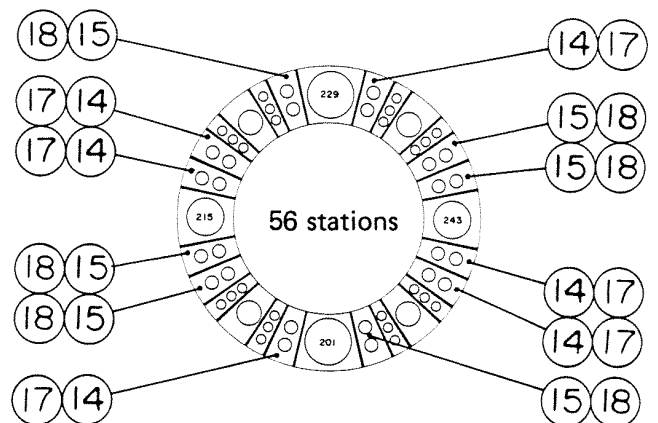
1/2" station



1 1/4" station



2" station



Unit No. 09

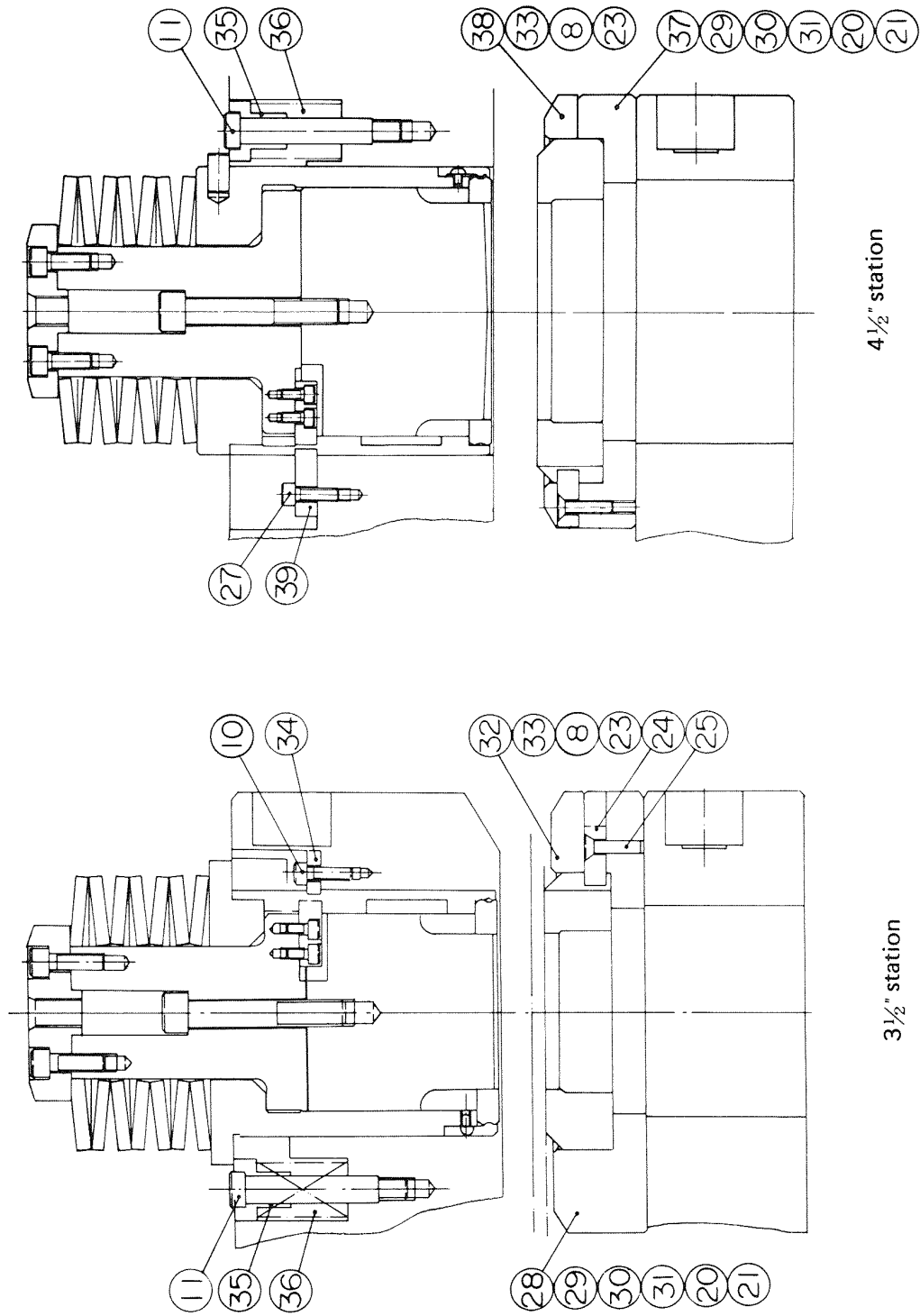
Tool holder

From serial No. P3450057 and after.

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Unit No. 09
Tool holder

From serial No. P3450057 and after.



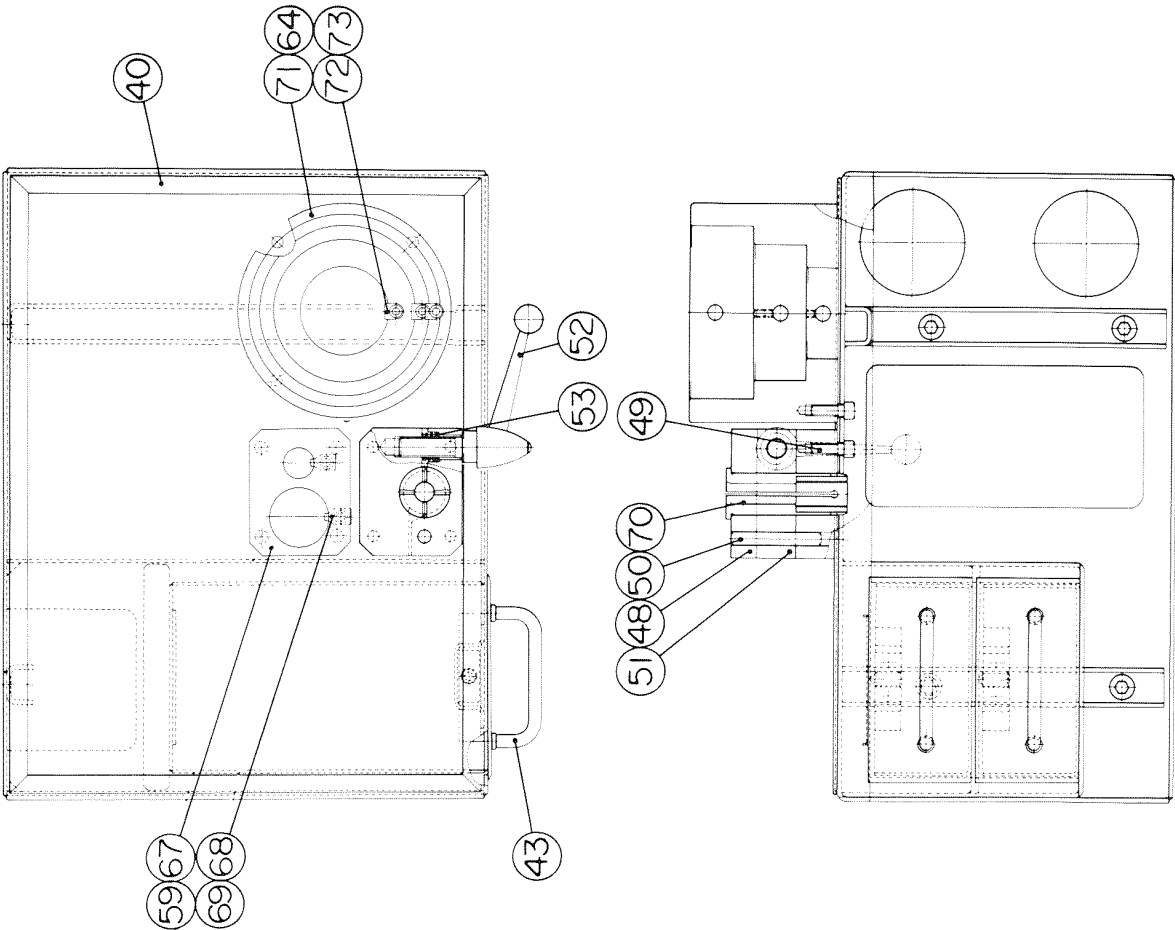
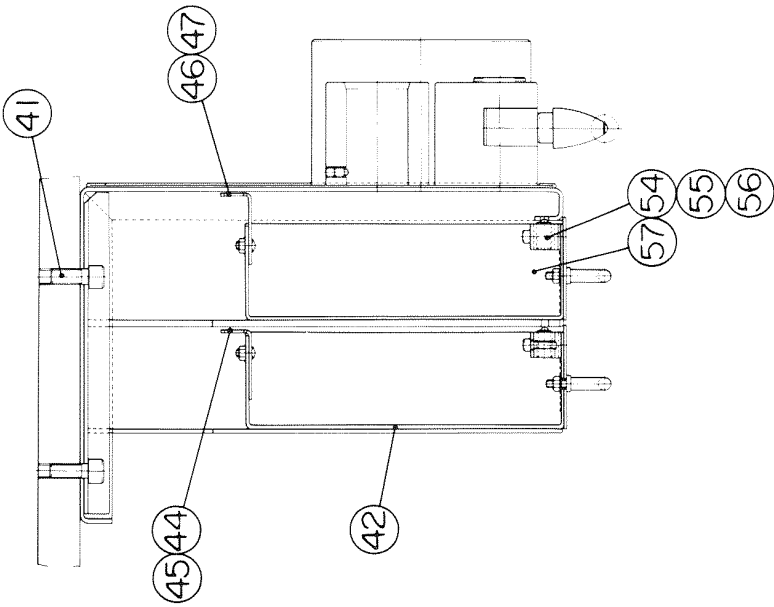
Tool holder

From serial No. P3450057 and after.

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Unit No. 09
Tool holder

From serial No. P3450057 and after.

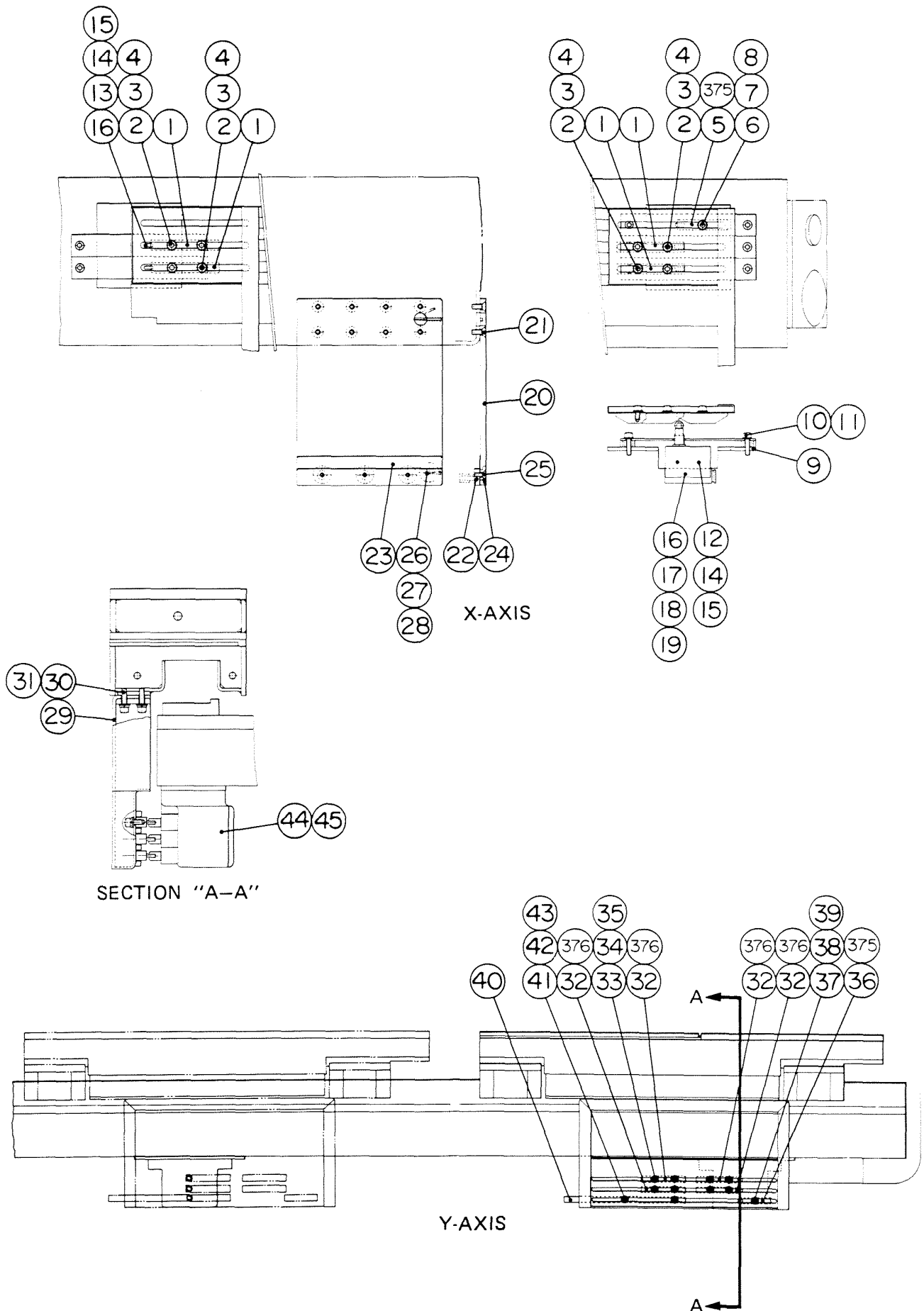


Unit No. 09

Tool holder

From serial No. P3450057 and after.

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Unit No. 10

Electric

From serial No. P3450057 and after.

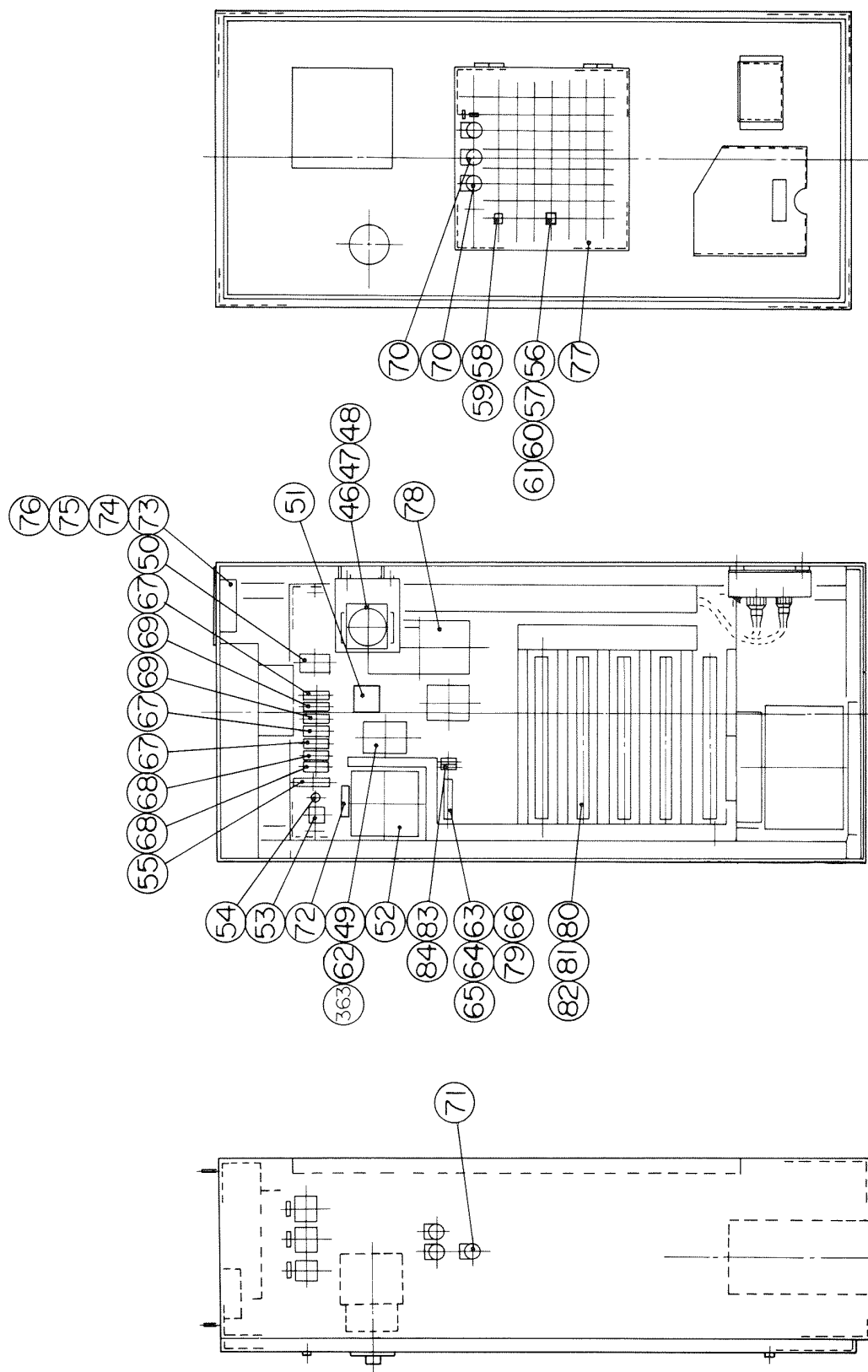
Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
1	74306902	Dog (OT)	818707a	4	a: P3450083 ~
2	74302813	Cap screw	M6 x 12	8	
3	74300517 (44027928)	Spring washer	M6	8	
4	74302328 (44027930)	Washer	M6	8	
5	74306903 (74163414)	Dog (origin slowdown)	828535b	1	~ P3450082
6	74302813	Cap screw	M6 x 12	2	Q'ty 1 → 2; P3450083 ~
7	74300517 (44027928)	Spring washer	M6	2	Q'ty 1 → 2; P3450083 ~
8	74302328 (44027930)	Washer	M6	2	Q'ty 1 → 2; P3450083 ~
9	74307303	L.S. setting plate	818795	5	
10	74302815	Cap screw	M6 x 20	10	
11	74300517 (44027928)	Spring washer	M6	10	
12	74307623	Pan head machine screw	M4 x 85	2	
13	74307622	Pan head machine screw	M4 x 65	2	
14	74307801	Toothed lock washer	M4	4	
15	74307617	Nut	M4 type 1	4	
16	74308315 (74163508)	Limit switch	ZC-Q2255	5	
17	74307814	Fastener	TMEH-S25	9	
18	74302815	Cap screw	M6 x 20	9	
19	74307823	Band	CV-350	20	
20	74307009	Override detecting bracket	818627	1	
21	74307905	Countersink head socket screw	M6 x 12 (unbrako)	8	
22	74307524 (71105011)	Override detecting plate	847554	1	
23	74307526 (71105013)	Insulating plate	847555	1	
24	74306909 (74163701)	Insulating piece	808520a	3	
25	74307904	Countersink head socket screw	M5 x 10 (unbrako)	3	
26	74307725	Lug terminal	1.25-4	1	
27	74307621 (10566114)	Pan head machine screw	M4 x 5	1	
28	74300515 (44027327)	Spring washer	M4	1	
29	74307308	Y-axis dog bracket	818797a	1	
30	74302817 (73157630)	Cap screw	M8 x 15	4	
31	74300518	Spring washer	M8	4	
32	74306901	Dog (A)	808515b	4	~ P3450082
33	74302813	Cap screw	M6 x 12	8	
34	74300517 (44027928)	Spring washer	M6	8	
35	74302328 (44027930)	Washer	M6	8	
36	74306903 (74163414)	Dog (origin slowdown)	828535b	1	~ P3450082
37	74302813	Cap screw	M6 x 12	1	Q'ty 1 → 2; P3450083 ~
38	74300517 (44027928)	Spring washer	M6	1	Q'ty 1 → 2; P3450083 ~
39	74302328 (44027930)	Washer	M6	1	Q'ty 1 → 2; P3450083 ~
40	74306904 (74163420)	Dog (external slowdown)	828536b	1	b: P3450083 ~

Electric

From serial No. P3450057 and after

[illegible]

From serial No. P3450057 and after.



Unit No.10

Electric

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
46	74308301 (74164402)	Circuit breaker	EA63/60	1	
47	74307527	Insulating plate	A1-33	1	
48	74307806	Lever	N-3A	1	
49	74308305	Magnet switch	SRC3931-5-2 AC100V 18~26A - 230V	1	
50	74308322	Magnet contactor	SRC3631-0 AC100V 4a	1	
51	74308306	Magnet switch	SRCa3931-0 AC100V 1.4~2.2A	1	
52	74308328	Transformer		1	
53	74308404 (71108312)	Rectifier	DS10BNL	1	
54	74308406 (74164126)	Condenser	2200 μ F 50WV	1	
55	74308411 (74164203)	Resistor	100 Ω 20W	1	
56	74308418 (74164022)	Control relay	HH62P DC24V	13	
57	74306814	Socket	TP68	12	
58	74308417 (74164018)	Control relay	HH54PW DC24V	6	
59	74306816	Socket	TP514	6	
60	74308422 (74163623)	Diode	SIB01-02	19	
61	74308423	Diode	SIB01-06	1	
62	74308428 (74164321)	Noise filter	ENB221C-14A	2	
63	74308430	Noise filter	Z15L102 special	3	
64	74308429 (71108415)	Noise filter	Z10L221	10	
65	74306815	Socket	TP68S1	1	
66	74308412	Resistor	3.3 k Ω 1W	6	
67	74308502 (10318546)	Circuit protector	BA121505 5A	3	
68	74308501 (10318545)	Circuit protector	BA121205 2A	2	
69	74308503 (74164228)	Circuit protector	BA151105 1A	2	
70	74308511	Select switch	AH30-P2B10	2	
71	74308510	Select switch	AH30-P2B01	1	
72	74308519	Hour meter	TM-25 AC100V 2000 hours	1	
73	74308101 (74164525)	Fan	CT3B55	1	
74	74307211	Cable	#16415	1	
75	74308104	Guard	#20132-2	2	
76	74307910	Plate	S-34314	1	
77	74308107	Relay panel	S-44215	1	
78	74308329	Transformer	ϕ 3 400VA 0-230-400 -460/0-200	1	
79	74307911	Plate	10P	3	
80	74308111	Block terminal	F15/29	1	
81	74308112	Block terminal	F25/4	2	
82	74308113	Block terminal	MF333/138	1	
83	74308523	Fuse	0.8A glass tube	1	
84	74308527	Fuse holder	F7111	1	
359	74306818	Rubber packing	7 x 20 x 4000	1	

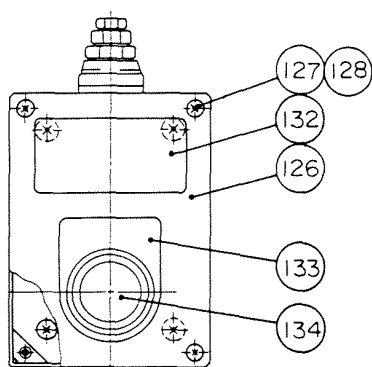
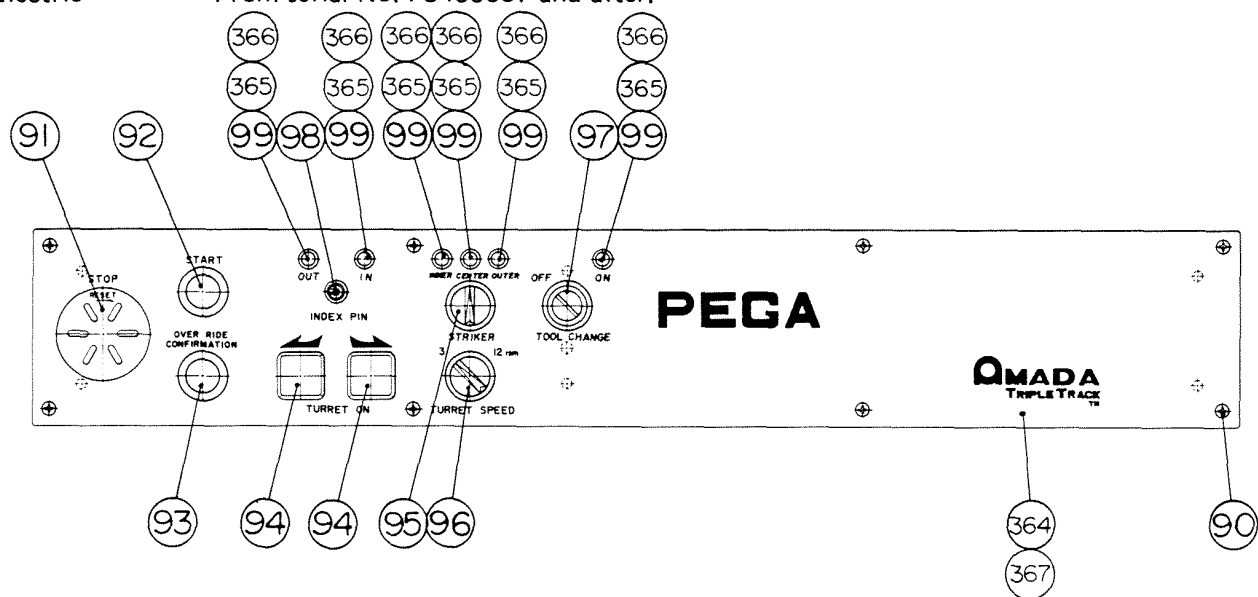
Electric

From serial No. P3450057 and after.

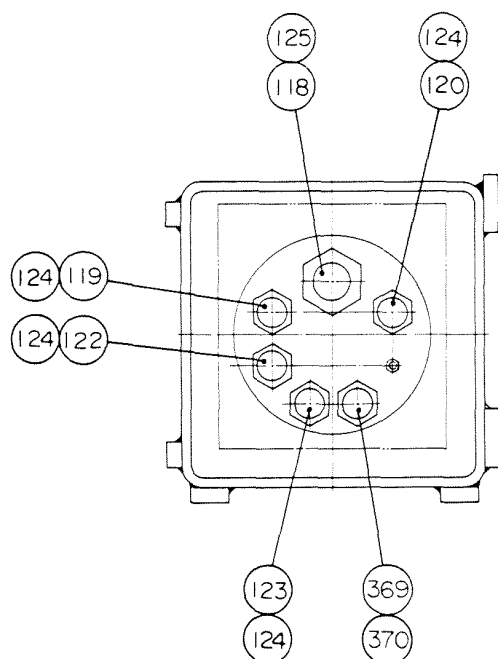
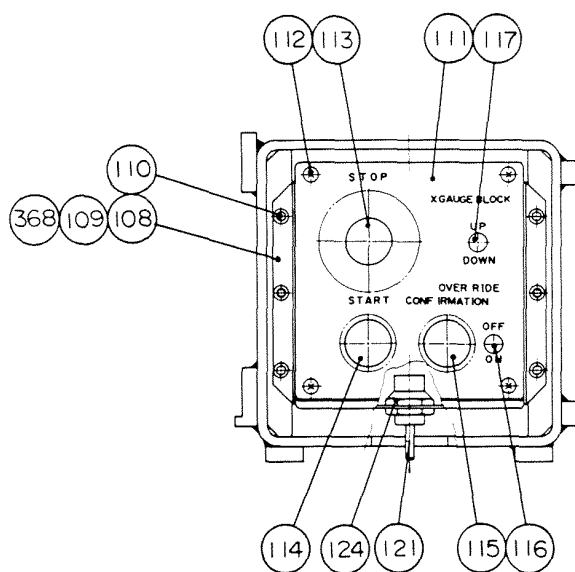
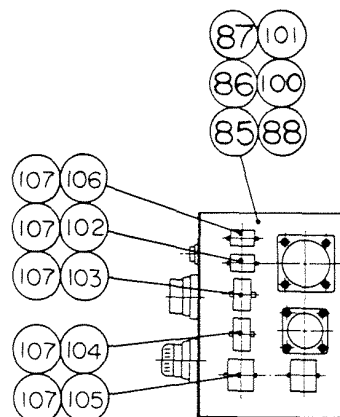
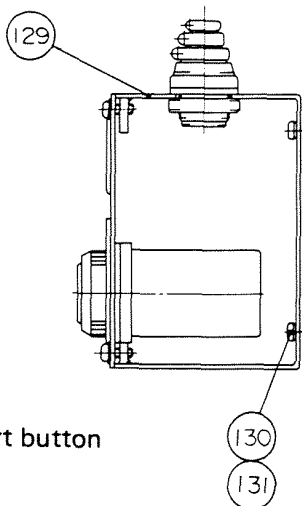
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Unit No. 10
Electric

From serial No. P3450057 and after.



Lubrication start button



Unit No. 10

Electric

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
85	74307213	Sub control box	818731d	1	
86	74307602	Cap screw	M6 x 16	6	
87	74300517 (44027928)	Spring washer	M6	6	
88	74302328 (44027930)	Washer	M6	6	
90	74308118	Bind screw	M5 x 10	8	
91	74308606 (76176447)	Push button switch	AH30-V1R01	1	
92	74308602 (71123210)	Push button switch	AH30-FG10	1	
93	74308603 (76176444)	Push button switch	AH30-FY10	1	
94	74308601	Push button switch	AH25-SFG10	2	
95	74308512	Select switch	AH30-P3B11	1	
96	74308511	Select switch	AH30-P2B10	1	
97	74308513	Select switch	AH30-J2A01A	1	
98	74308613	Toggle switch	WD-1114	1	
99	74308531 (74164411)	Pilot light	KP-164BW	6	~ P3450071
100	74308122	Lock	PG-29	1	
101	74308126 (36004615)	Code lock	NC-1	1	
102	74306705	Cap	1-480701-6 3-pole blue	1	
103	74306701	Cap	1-480701-0 3-pole white	1	
104	74306712	Cap	1-480707-0 9-pole white	1	
105	74306716	Cap	1-480709-0 12-pole white	1	
106	74306707	Cap	1-480701-2 3-pole red	1	
107	74306812	Socket	350550-1	29	
108	74307012	Control box	818631a	1	~ P3450079
109	74307311	Control panel bracket	818798c	1	
110	74300604	Cap screw	M6 x 15	8	
111	74307315	Control panel	818805	1	
112	74308118	Bind screw	M5 x 10	4	
113	74308606 (76176447)	Push button switch	AH30-V1R01	1	
114	74308605	Push button switch	AH30-G1G10	1	
115	74308603 (76176444)	Push button switch	AH30-FY10	1	
116	74308611 (74164430)	Toggle switch	S-6A	1	
117	74308612	Toggle switch	S-1001	1	
118	74307129	Cable CR-1EX	818768	1	
119	74307130	Cable CR-2EX	818769	1	
120	74307131	Cable CR-3EX	818770	1	
121	74307132	Cable CR-4EX	818771	1	
122	74307133	Cable CR-5EX	818772b	1	
123	74307201	Cable CR-6EX	818774a	1	
124	74308126 (36004615)	Code lock	NC-1	5	
125	74308127	Code lock	NC-2	1	

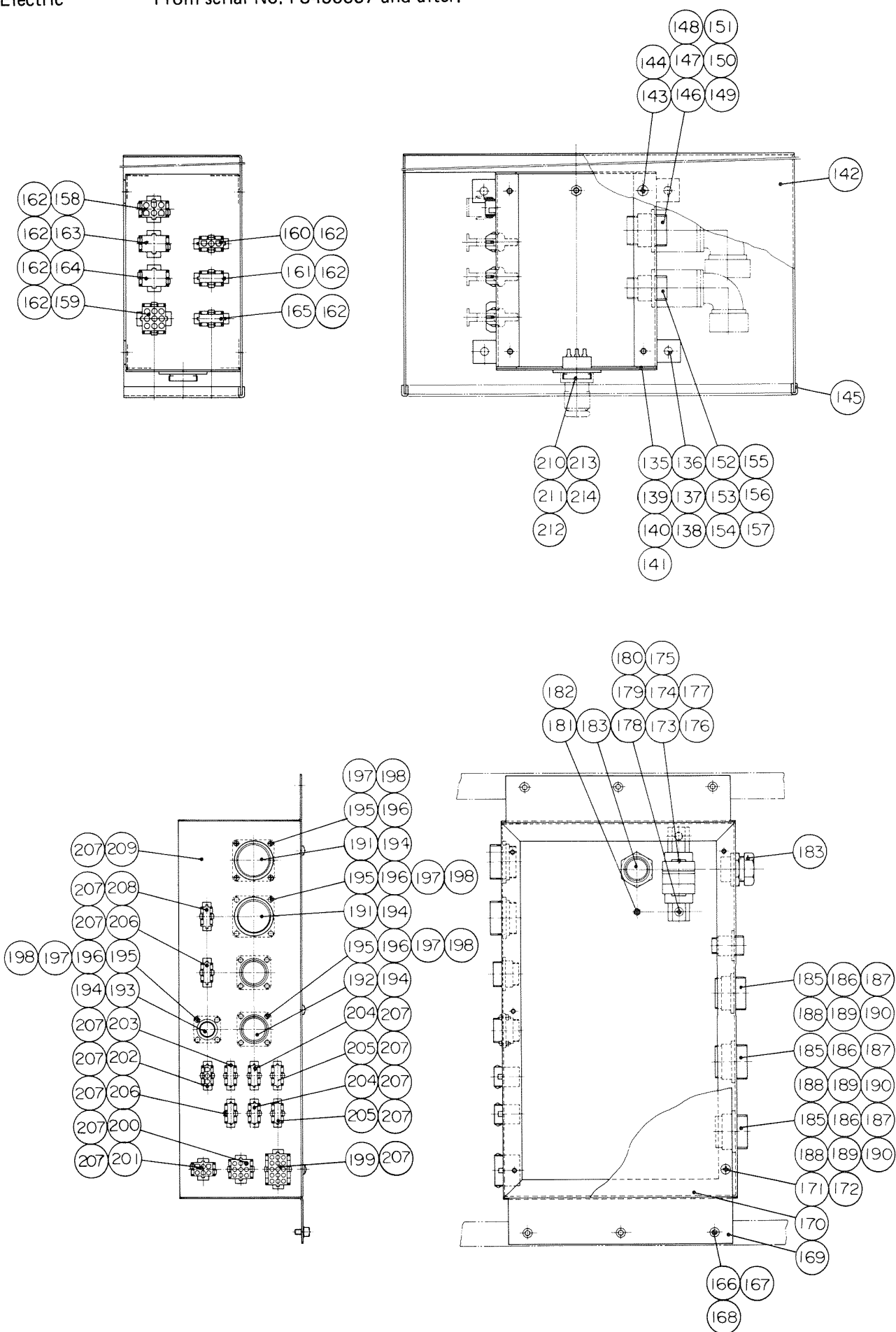
Unit No. 10
Electric

From serial No. P3450057 and after.

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Unit No. 10
Electric

From serial No. P3450057 and after.



Unit No. 10

Electric

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
135	74306919	Junction box C	818542	1	
136	74307602	Cap screw	M6 x 16	4	
137	74300517 (44027928)	Spring washer	M6	4	
138	74302328 (44027930)	Washer	M6	4	
139	74307826	TMH mount		2	
140	74307624	Pan head machine screw	M5 x 12	2	
141	74307606 (44552819)	Washer	M5	2	
142	74306925	Junction box C cover	818543b	1	
143	74305017	Pan head machine screw	M5 x 10	4	
144	74300516 (44027927)	Spring washer	M5	4	
145	74306821	Rubber packing	383322a 550 ^ℓ	1	
146	74306803	Receptacle	206036-1	1	
147	74306825	Pin	66099-2	14	
148	74307620	Pan head machine screw	M3 x 10	4	
149	74307605	Washer	M3	4	
150	74307612	Spring washer	M3	4	
151	74307616	Nut	M3	4	
152	74306809	Receptacle	276705-1	1	
153	74306825	Pin	66099-2	9	
154	74307620	Pan head machine screw	M3 x 10	4	
155	74307605	Washer	M3	4	
156	74307612	Spring washer	M3	4	
157	74307616	Nut	M3	4	
158	74306709	Cap	1-480705-0 6-pole white	1	
159	74306712	Cap	1-480707-0 9-pole white	1	
160	74306701	Cap	1-480701-0 3-pole white	1	
161	74306706	Cap	1-480701-9 3-pole black	1	
162	74306812	Socket	350550-1	19	
163	74306711	Cap	1-480705-6 6-pole blue	1	
164	74306710	Cap	1-480705-2 6-pole red	1	
165	74306702	Cap	1-480701-2 3-pole red	1	
166	74307602	Cap screw	M6 x 16	6	
167	74302328 (44027930)	Washer	M6	6	
168	74300517 (44027928)	Spring washer	M6	6	
169	74306921	Junction box T	818544d	1	
170	74306926	Junction box T cover	818545	1	
171	74305017	Pan head machine screw	M5 x 10	6	
172	74300516 (44027927)	Spring washer	M5	6	
173	74307818	Terminal	F-20	6	
174	74307811	End plate	F-25E	1	

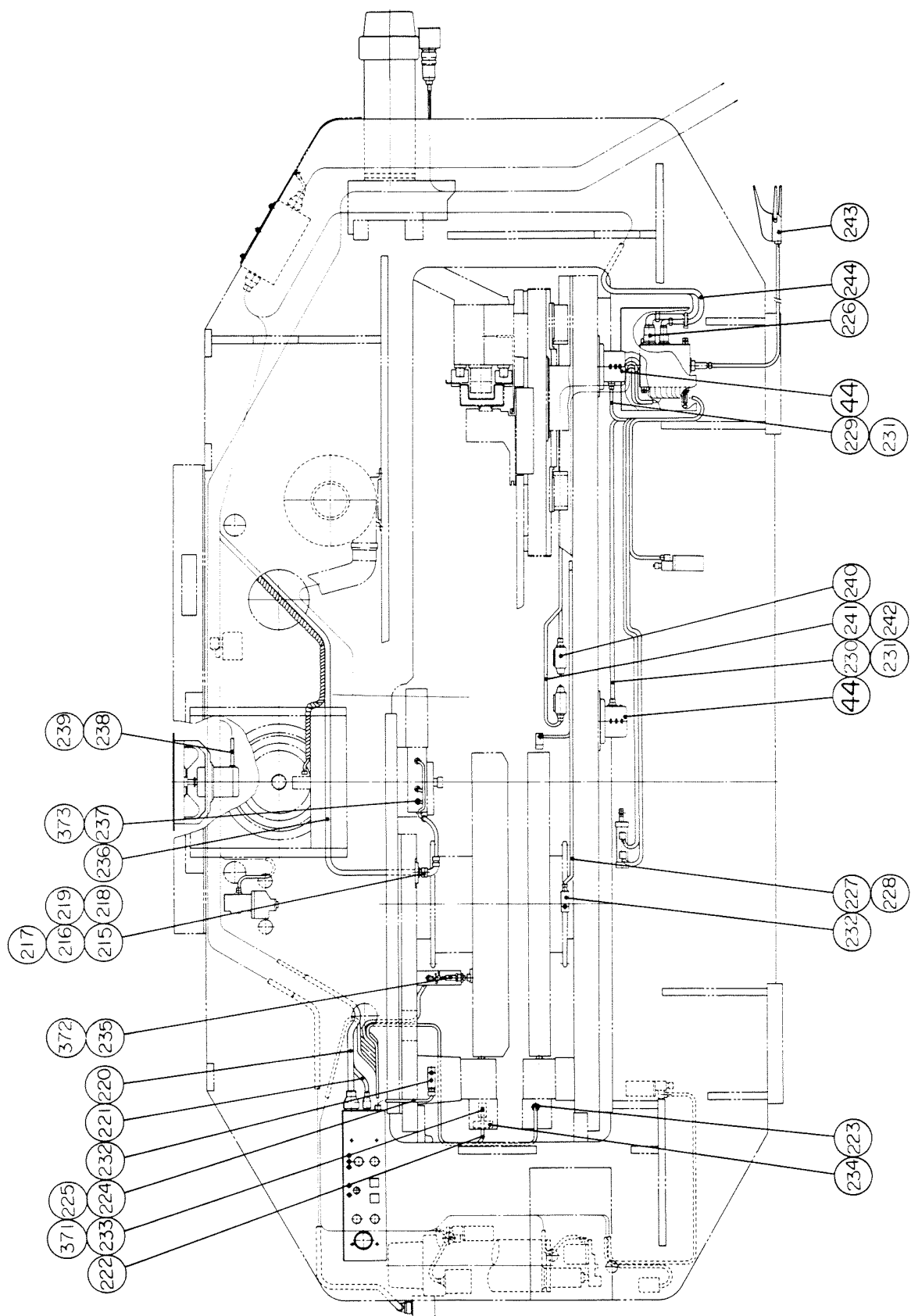
Unit No. 10

Electric

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
175	74307006	Retainer	FK-1	2	
176	74307919	Channel base	BLF 100 ^ℓ	1	
177	74307923	Mark band	60 ^ℓ	1	
178	74305017	Pan head machine screw	M5 x 10	2	
179	74307606 (44552819)	Washer	M5	4	
180	74300516 (44027927)	Spring washer	M5	2	
181	74307721	Set screw	M5 x 30	1	
182	74300502 (13239613)	Nut	M5	1	
183	74308201	Connector	ESB-1	2	
185	74306805	Receptacle	206151-1	3	
186	74306825	Pin	66099-2	111	
187	74307620	Pan head machine screw	M3 x 10	16	
188	74307612	Spring washer	M3	16	
189	74307605	Washer	M3	16	
190	74307616	Nut	M3	16	
191	74306806	Receptacle	206306-1	2	
192	74306804	Receptacle	206043-1	2	
193	74306807	Receptacle	206430-1	1	
194	74306813	Socket	66101-2	88	
195	74307620	Pan head machine screw	M3 x 10	20	
196	74307612	Spring washer	M3	20	
197	74307605	Washer	M3	20	
198	74307616	Nut	M3	20	
199	74306719	Cap	1-480711-0 15-pole white	1	
200	74306713	Cap	1-480707-6 9-pole blue	1	
201	74306709	Cap	1-480705-0 6-pole white	1	
202	74306706	Cap	1-480701-9 3-pole black	1	
203	74306701	Cap	1-480701-0 3-pole white	1	
204	74306705	Cap	1-480701-6 3-pole blue	2	
205	74306702	Cap	1-480701-2 3-pole red	2	
206	74306703	Cap	1-480701-1 3-pole brown	1	
207	74306812	Socket	350550-1	57	
208	74306704	Cap	1-480701-4 3-pole yellow	4	
209	74306703	Cap	1-480701-1 3-pole brown	1	
210	74308202	Connector	BLG-13	1	
211	74308228	Plug	NCS-253GPM 1/2	1	
212	74306808	Receptacle	NCS-253RF	1	
213	74307927	Countersink head machine screw	M3 x 16	3	
214	74307702	Flexible tube	MPF-13 3 m	1	

From serial No. P3450057 and after.



Unit No.10

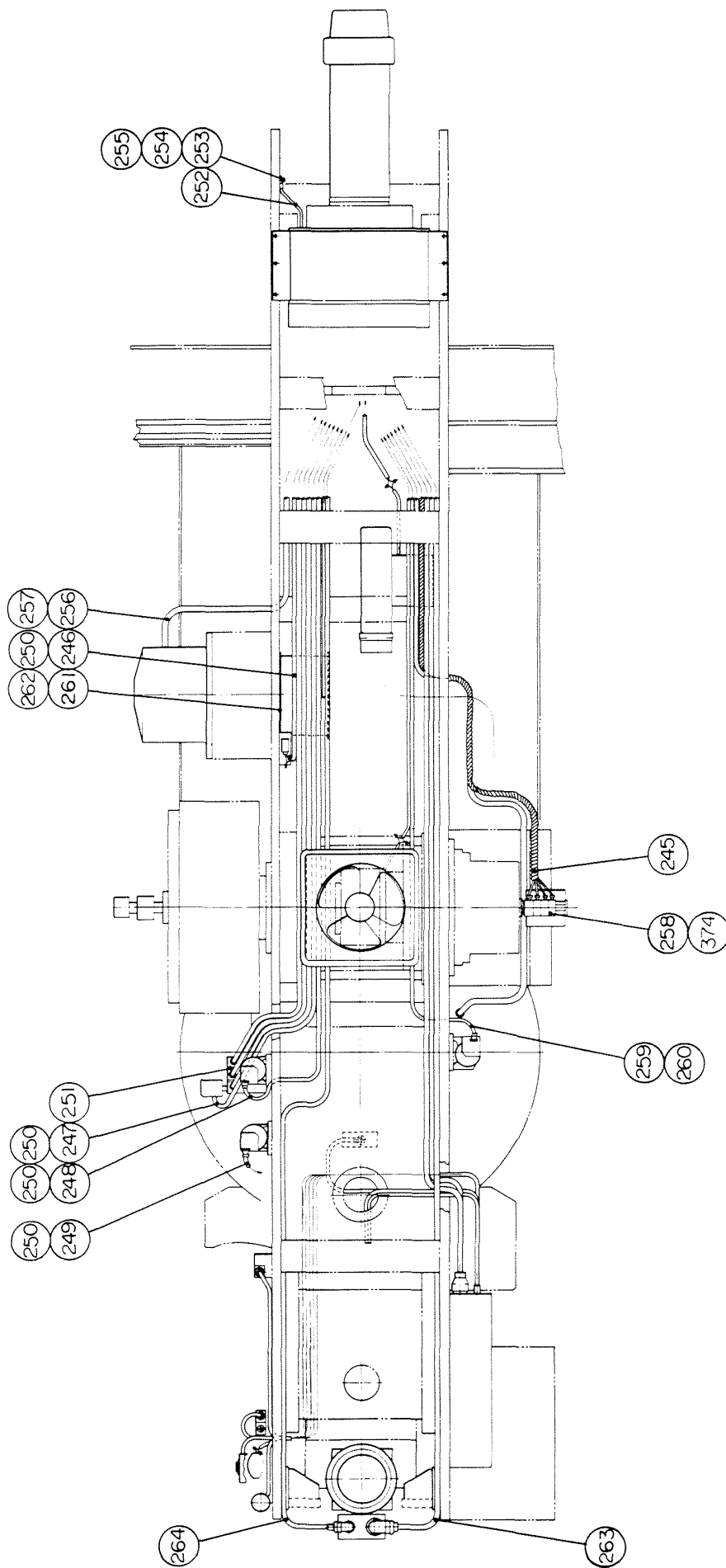
Electric

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
215	74307106	Cable (striker)	818723-18	1	
216	74303021 (74159802)	O-ring	P-21	1	
217	74308303	Connector	BDC-18-13	1	
218	74307701	Flexible tube	MPF-13 0.5 m	1	
219	74308302	Connector	BLG-13	1	
220	74307101	Cable S-1	818719-1b	1	
221	74307102	Cable S-2	818719-2a	1	
222	74307103	Cable S-3	881719-3a	1	
223	74308126 (36004615)	Code lock	NC-1	2	
224	74307111	Cable S-6EX	818747	1	
225	74308126 (36004615)	Code lock	NC-1	1	
226	74307124	Cable C-1EX	818763a	1	
227	74307119	Cable C-3EX	818757	1	
228	74308126 (36004615)	Code lock	NC-1	1	
229	74307120	Cable C-4EX	818758a	1	
230	74307121	Cable C-5EX	818759a	1	
231	74308126 (36004615)	Code lock	NC-1	2	
232	74308313 (74163503)	Limit switch	BZE6-2RN-J	2	
233	74308617 (74163730)	Proximity switch	BES516-300S76 Cable 2 m	4	~ P3450076
234	74308131	Terminal block ass'y	ML-3391-C	2	
235	74308616 (74163720)	Proximity switch	BES516-105B0-X Cable 2 m	1	~ P3450076
236	74307104	Cable T-1	818723-5	1	
237	74308618 (74163729)	Proximity switch	BES516-329G0-X Cable 2 m	3	~ P3450076
238	74307117	Cable T-8EX	818754a	1	
239	74308126 (36004615)	Code lock	NC-1	2	
240	74308314 (74163512)	Limit switch	2LS1-J	2	~ P3450083
241	74307123	Cable CO-1EX	818760	1	
242	74308126 (36004615)	Code lock	NC-1	2	
243	74308626	Foot switch	7930022	1	
244	74307107	Cable CO-11	818728-9	1	
371	74308620	Proximity switch	TL-W5E1 cable 2 m	1	P3450077 ~
372	74308621	Proximity switch	TL-X5F2-7 cable 2 m	1	P3450077 ~
373	74308622	Proximity switch	TL-X2E1-7 cable 2 m	1	P3450077 ~

Unit No. 10
Electric

From serial No. P3450057 and after.



Unit No. 10

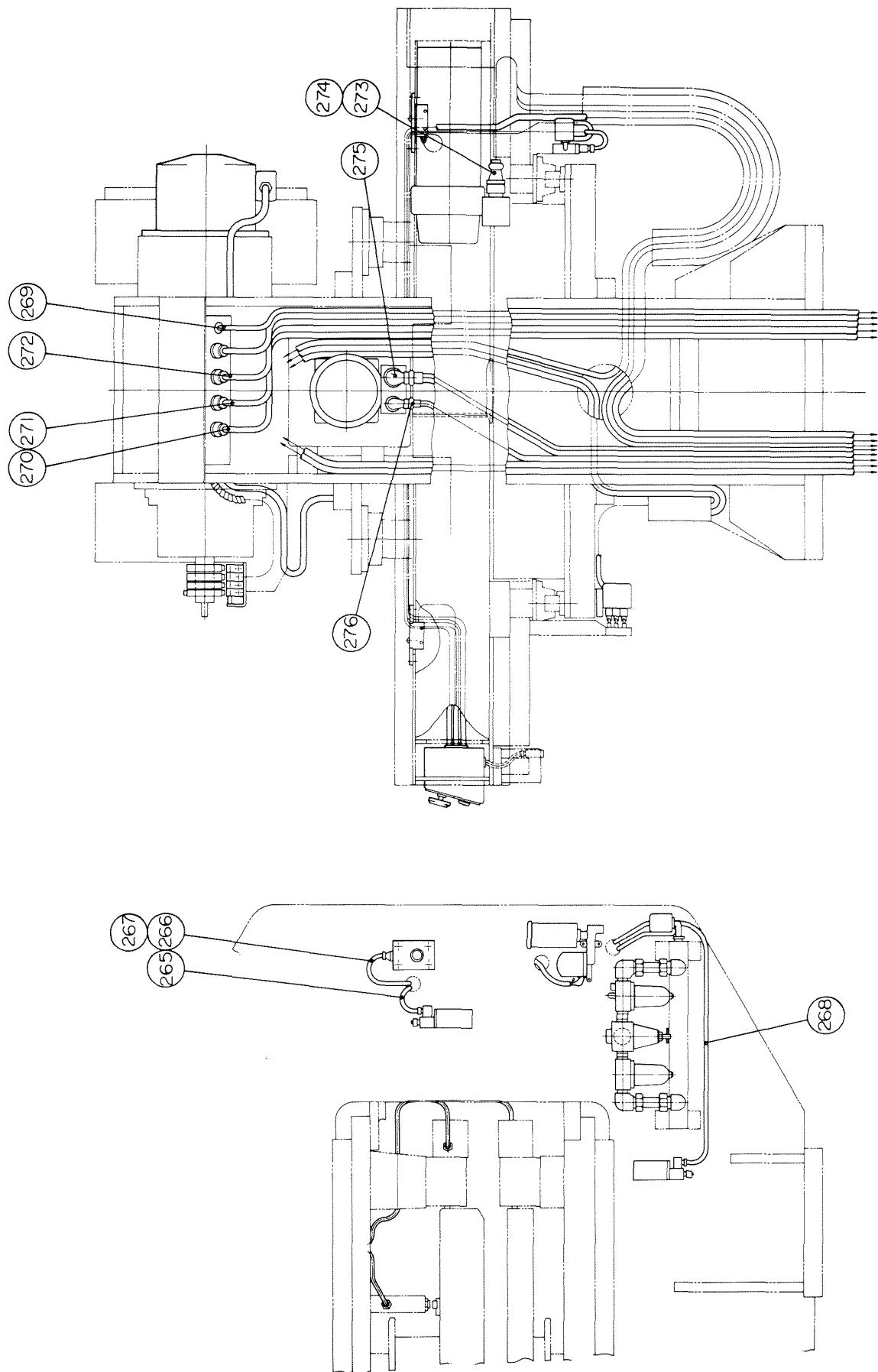
Electric

From serial No. P3450057 and after.

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Unit No. 10
Electric

From serial No. P3450057 and after.

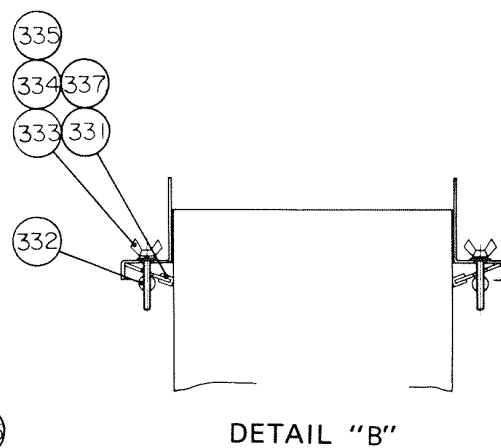
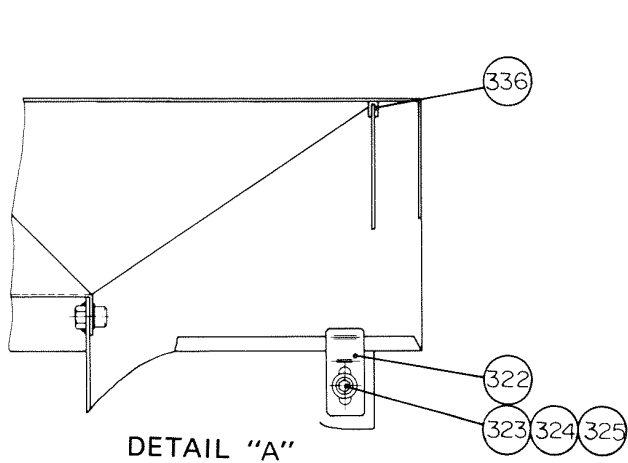
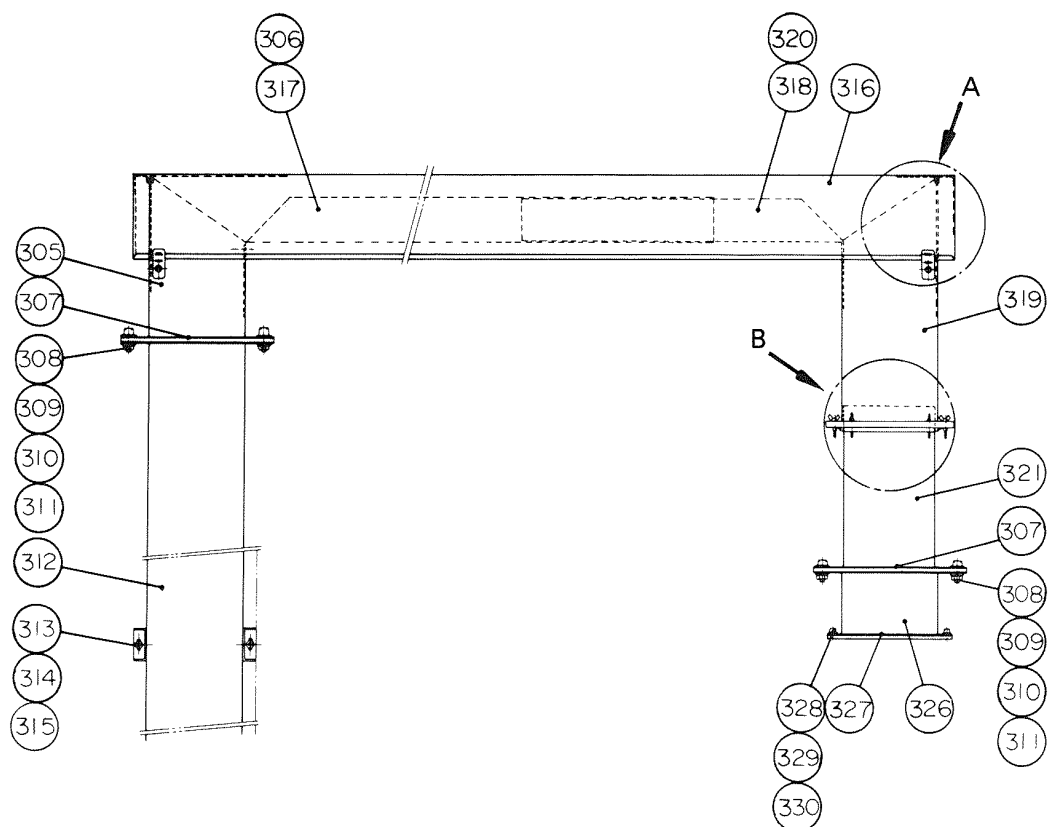


Unit No. 10

Electric

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
265	74307109	Cable S-4EX	818745a	1	
266	74307110	Cable S-5EX	818746b	1	
267	74308126 (36004615)	Code lock	NC-1	1	
268	74307108	Cable S-7EX	818748	1	
269	74307208	Cable (drive motor)	828923-19	1	
270	74307125	Cable TM-1EX	818764	1	
271	74307126	Cable TM-2EX	818765a	1	
272	74307127	Cable TM-3EX	818766	1	
273	74307216	X-axis power cable	818780	1	
274	74307219	X-axis detecting unit cable	818781	1	
275	74307222	Y-axis power cable	818782	1	
276	74307225	Y-axis detecting unit cable	818783	1	
277	74308314 (74163512)	Limit switch	2LS1-J	2	Work chute
278	74302813	Cap screw	M6 x 12	8	
280	74307013	Control box		1	
281	74307601	Cap screw	M10 x 100	2	
282	74300609 (38124012)	Cap screw	M10 x 25	2	
283	74300519 (10001520)	Spring washer	M10	4	
284	74300512	Washer	M10	4	
285	74307713 (37117916)	Saddle	CH-13	4	
286	74307714	Saddle	CH-25	8	
287	74307715 (44449013)	Saddle	CH-39	12	
288	74307716	Saddle	CH-51	3	
289	74300714	Round head machine screw	M5 x 10	27	
290	74307823	Band	CV-350	20	
291	74307822	Band	CV-200	30	
292	74307821	Band	CV-150	10	
293	74308221	Coil tube	P-4 1 m	1	
294	74308222	Coil tube	P-6 1 m	1	
295	74308223	Coil tube	P-12 1 m	1	
296	74307726	Lug terminal	F1.25-S4	20	
297	74307727	Lug terminal	F1.25-3.5	20	
298	74307728	Lug terminal	F5.5-6	10	
299	74308204	Connector	FJ-B	15	
300	74307424	Sticker	828707a	1	
301	74307425	Sticker	AS-K1000	1	
302	74307426	Sticker	AS-K1001	1	
303	74307428 (74300405)	Sticker	AS-K1005	1	
304	74307429	Sticker	828943	2	



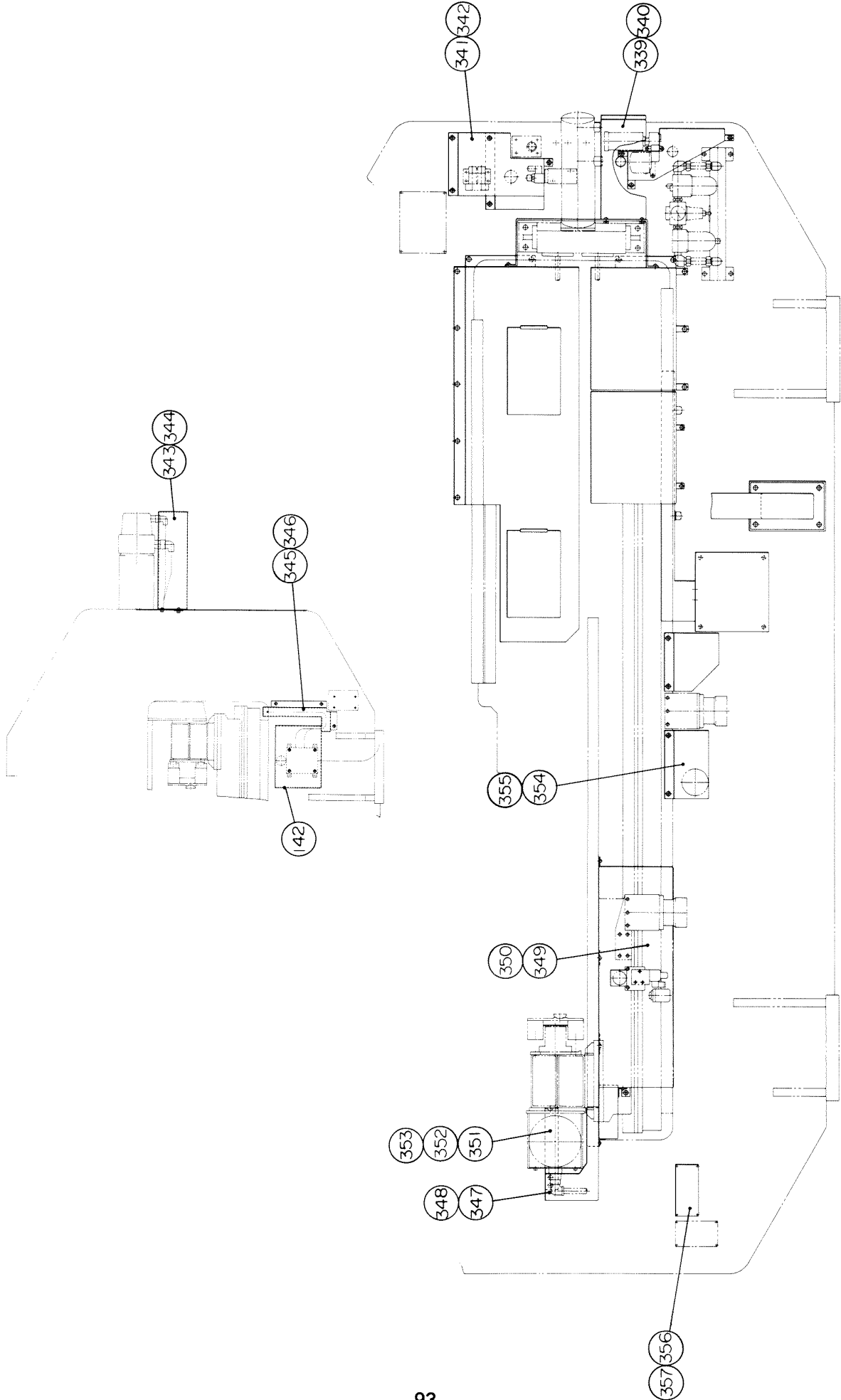
Unit No. 10

Electric

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
305	74307518	Vertical duct	828864	1	
306	74302812	Cap screw	M6 x 10	1	
307	74307417	Direction packing	828698a	2	
308	74300606 (44235241)	Cap screw	M8 x 20	8	
309	74300518 (10001521)	Spring washer	M8	8	
310	74300511	Washer	M8	16	
311	74300504 (10001517)	Nut	M8	8	
312	74307319	Tilting duct	818809a	1	
313	74307602	Cap screw	M6 x 16	6	
314	74300517 (44027928)	Spring washer	M6	6	
315	74302328 (44027930)	Washer	M6	6	
316	74307017	Duct cover	818672	1	
317	74307021	H.O. duct	818673	1	
318	74307001	H.I. duct	818614	1	
319	74307502	Outer telescope	828831	1	
320	74302812	Cap screw	M6 x 10	1	
321	74307505	Inner telescope	828832	1	
322	74307005	Retainer	818616	4	
323	74302812	Cap screw	M6 x 10	4	
324	74300517 (44027928)	Spring washer	M6	4	
325	74302328 (44027930)	Washer	M6	4	
326	74307025	Connection duct	818674	1	
327	74307420	Connection packing	828699a	1	
328	74300604	Cap screw	M6 x 15	8	
329	74300517 (44027928)	Spring washer	M6	8	
330	74302328 (44027930)	Washer	M6	8	
331	74307508	Stopper	828833	4	
332	74307513	Push rod	828838	4	
333	74307629	Wing bolt	M4 x 25	8	
334	74300515 (44027327)	Spring washer	M4	8	
335	74300510	Washer	M4	8	
336	74306819	Rubber packing	383322a 140 ^ℓ	4	
337	74306820	Rubber packing	383322a 145 ^ℓ	2	
338	74308401	NC console	FANUC 6M	1	

From serial No. P3450057 and after.



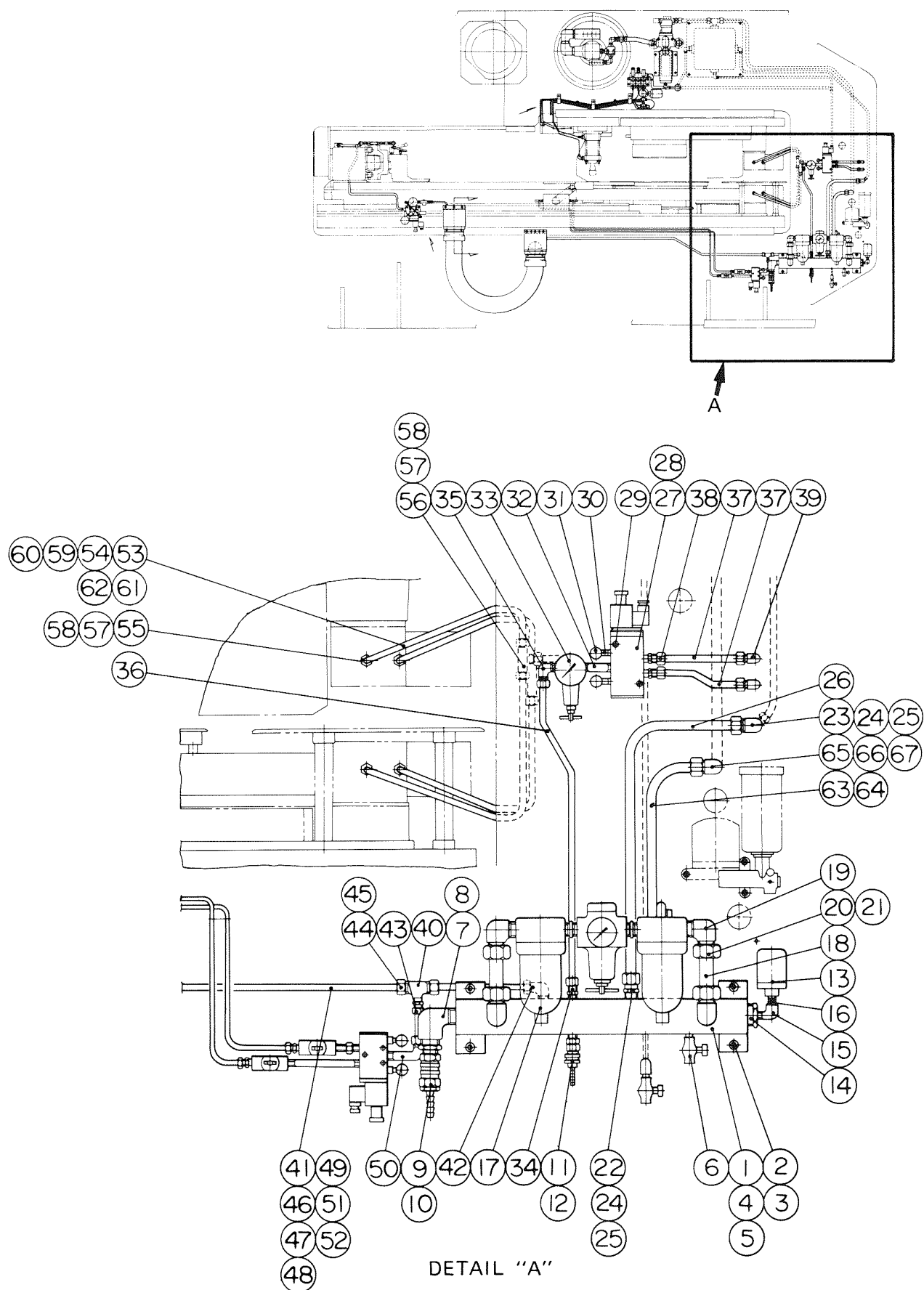
Electric

From serial No. P3450057 and after.

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Unit No. 11
Pneumatic piping

From serial No. P3450057 and after.



Unit No. 11

Pneumatic piping

From serial No. P3450057 and after.

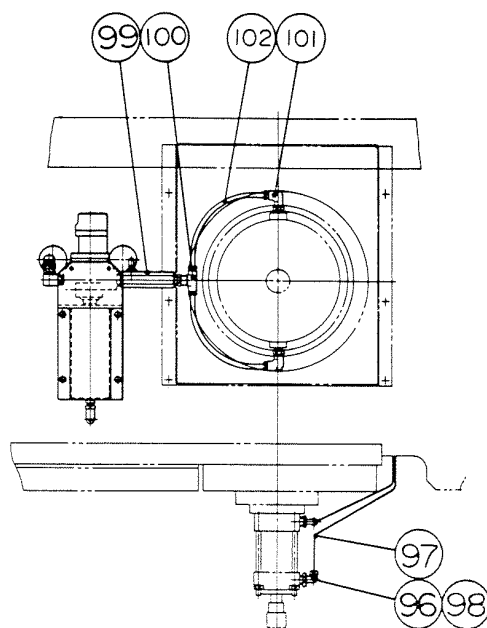
Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
1	74309617 (74162230)	Air block	827565d	1	
2	74302829	Cap screw	M10 x 30	4	
3	74300519 (10001520)	Spring washer	M10	4	
4	74309814	Plug	1/2"	1	
5	74309815	Plug	1/4"	1	
6	74309820	Air cock	AV-1 L	1	
7	74309824 (74162613)	Male-female elbow	1"	1	
8	74309901	Bushing	1" x 3/4"	1	
9	74309910	Socket	600SH	1	
10	74309813 (74162523)	Plug	600PM	1	
11	74309909 (74162521)	Socket	20SM	1	
12	74309812	Plug	20PH	1	
13	74309205 (74162318)	Pressure switch	7931003	1	
14	74309902	Bushing	1" x 1/4"	1	
15	74309825 (74162615)	Male-female elbow	1/4"	1	
16	74309915 (74162623)	Barrel nipple	1/4"	1	
17	74309201 (74165720)	Air supply unit	7931001	1	
18	74309115	Pipe	481820b	2	
19	74309920	90° elbow	SJ-E-25 x 3/4"	4	
20	74309930 (74162928)	Nut	SJ-C-25	4	
21	74310004	Sleeve	SJ-D-25	4	
22	74309403 (74163016)	Connector	SJ-S-15 x 1/2"	1	
23	74309919	90° elbow	SJ-E-15 x 1/2"	1	
24	74309928 (74162929)	Nut	SJ-C-15	2	
25	74310002 (74163106)	Sleeve	SJ-D-15	2	
26	74309116	Pipe	817561-1	1	
27	74309221	Solenoid base	807513	1	
28	74310203 (74162410)	Solenoid valve	5ER-8E	1	
29	74309804	Cap screw	M6 x 55	2	
30	74309825 (74162615)	Male-female elbow	1/4"	2	
31	74310227 (74162502)	Silencer	SA-8	2	
32	74309118 (74304628)	Pipe	827507	1	
33	74309212	Regulator	7931010	1	
34	74310009	Male connector	PC10-PT 1/4"	1	
35	74310018	Elbow	PL10-PT 1/4"	1	
36	74310215	Tube	N2-4-10 x 8 0.5 m	1	
37	74310214	Tube	N2-4-10 x 8 0.2 m	2	
38	74310009	Male connector	PC10-PT 1/4"	2	
39	74310018	Elbow	PL10-PT 1/4"	2	
40	74310131	Union tee	SJ-T-10 x 1/4"	1	

Unit No.11

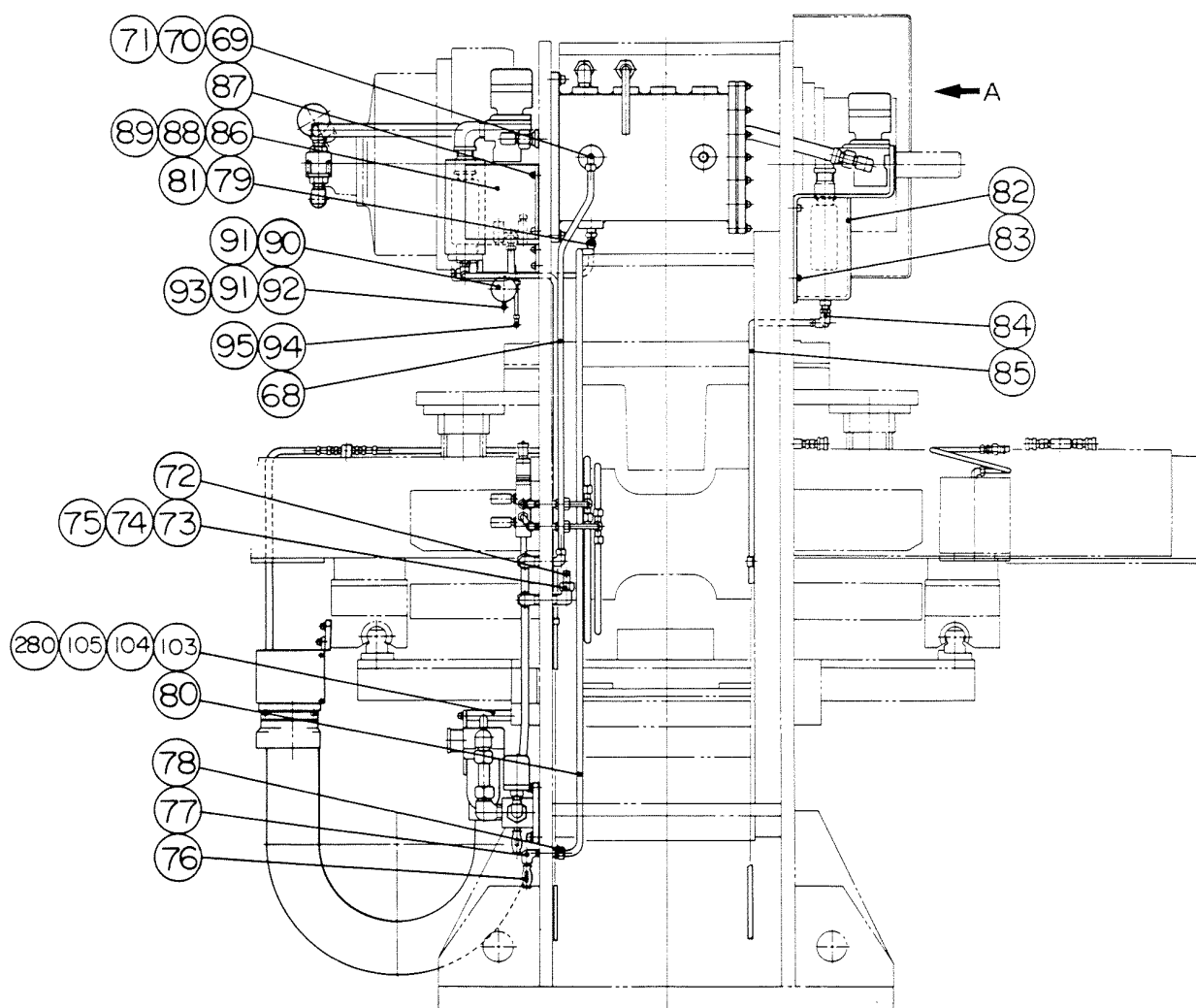
Pneumatic piping

From serial No. P3450057 and after.

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ARROW "A"



Unit No. 11

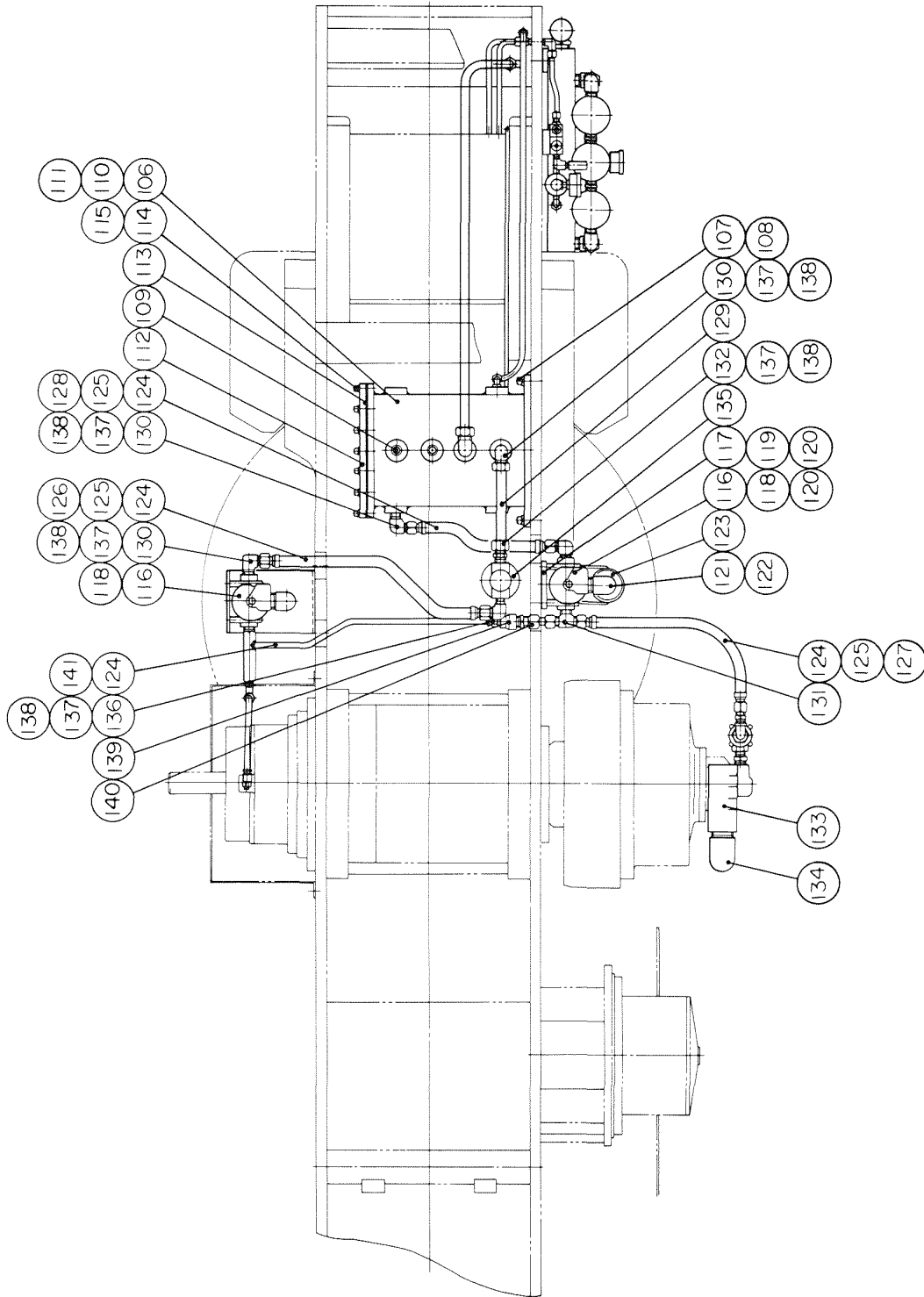
Pneumatic piping

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
68	74309319 (74162921)	Copper pipe	φ15 x 1 ^t 1.7 m	1	
69	74309921	90° elbow	E15-1/2"	2	
70	74309928 (74162929)	Nut	SJ-C-15	2	
71	74310002 (74163106)	Sleeve	SJ-D-15	2	
72	74309320 (74162921)	Copper pipe	φ15 x 1 ^t 2.2 m	1	
73	74309921	90° elbow	E-15 x 1/2	1	
74	74309928 (74162929)	Nut	SJ-C-15	2	
75	74310002 (74163106)	Sleeve	SJ-D-15	2	
76	74309821	Air cock	CK102	1	
77	74309825 (74162615)	Male-female elbow	1/4"	1	
78	74310010	Male connector	NT-109-1/4"	1	
79	74310027	Male elbow	LT-109-1/4"	1	
80	74310221	Tube	TC-109 2.1 m	1	
81	74309903	Bushing	1/2" x 1/4"	1	
82	74309328	Brake exhaust box	817606	1	
83	74300606 (44235241)	Cap screw	M8 x 20	4	
84	74310311	Elbow union	SLL-102	1	
85	74310319	Flexible tube	U-9510 1.5 m	1	
86	74309331	Clutch exhaust box	817607	1	
87	74300606 (44235241)	Cap screw	M8 x 20	4	
88	74310311	Elbow union	SLL-102	1	
89	74310318	Flexible tube	U-9510 1.2 m	1	
90	74309205	Pressure switch	7931003	1	
91	74309915 (74162623)	Barrel nipple	1/4"	2	
92	74310325	Tee	1/4"	1	
93	74310326	Tee	PT6-PT 1/4"	1	
94	74310008	Male connector	PC6-PT 1/4"	1	
95	74310130	Union tee	PUT6	1	
96	74310029	Male elbow	PL6-PT 1/4"	4	
97	74310213	Tube	N2-4-6 x 4 6.8 m	1	
98	74309903	Bushing	1/2" x 1/4"	4	
99	74309401	Connector	817608a	1	
100	74310101	Union	SLC-124	1	
101	74310312	Elbow union	SLL-124	2	
102	74310320	Flexible tube	U-9512 0.3 m	2	
103	74309713	Bracket base	827715	1	~ P3450083
104	74309807	Cap screw	M8 x 85	2	
105	74300518 (10001521)	Spring washer	M8	2	
280	74309713	Bracket base	827715a	1	P3450084 ~

Unit No. 11
Pneumatic piping

From serial No. P3450057 and after.



Unit No. 11

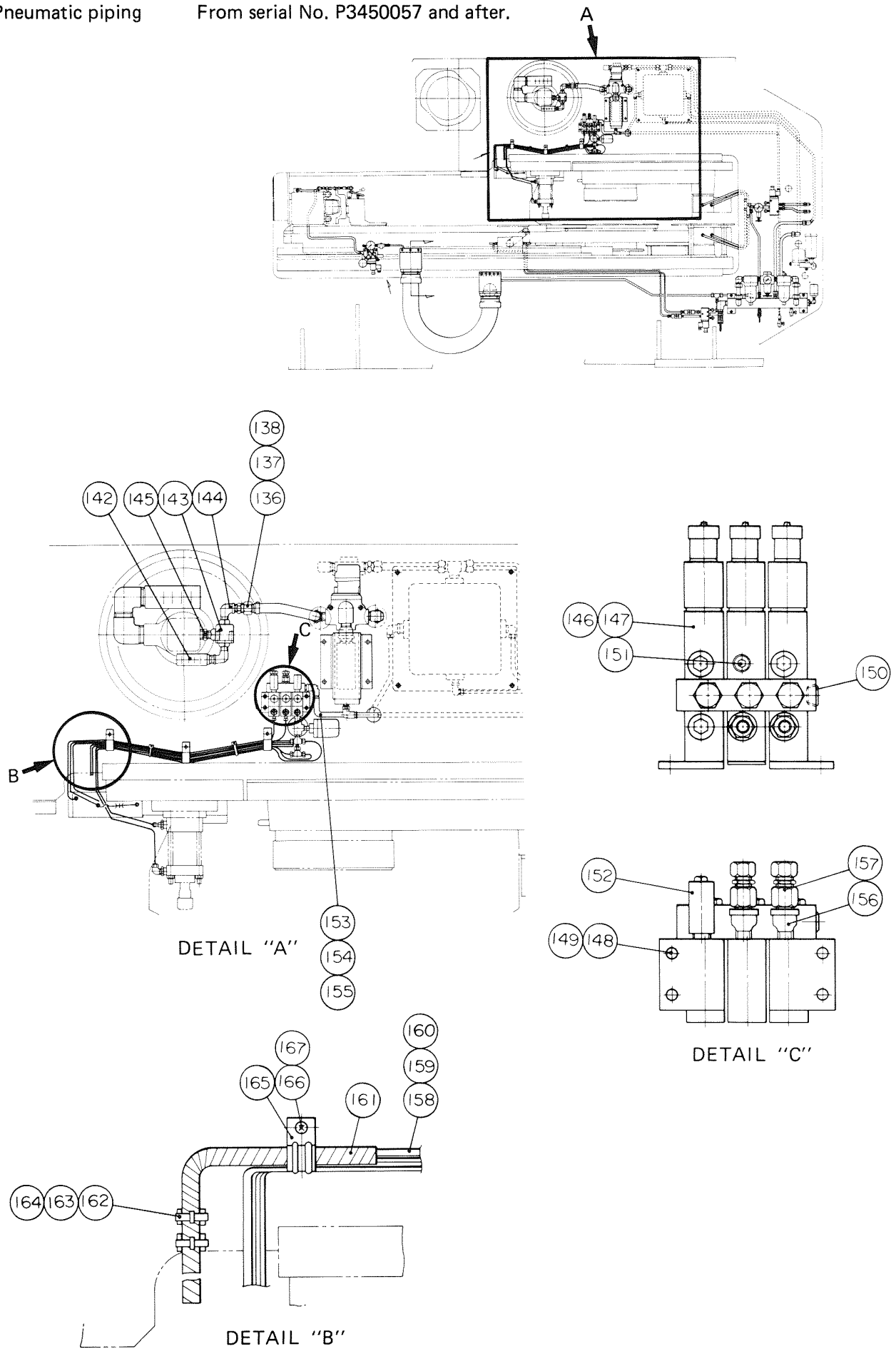
Pneumatic piping

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
106	74309226	Accumulator	817521a	1	
107	74304917	Cap screw	M12 x 40	4	
108	74301615 (44028619)	Spring washer	M12	4	
109	74309814	Plug	1/2"	3	
110	74309903	Bushing	1/2" x 1/4"	2	
111	74309904	Bushing	1/2" x 3/8"	1	
112	74309620	Accumulator cover	827571c	1	
113	74310110	O-ring	1AG-120 blue	1	
114	74302818	Cap screw	M8 x 30	6	
115	74300518 (10001521)	Spring washer	M8	6	
116	74310202 (74162409)	Solenoid valve	J2773B-5952 DC24V	2	
117	74309220	Solenoid base	807508b	1	
118	74309806	Cap screw	M8 x 70	2	
119	74304912	Cap screw	M8 x 90	2	
120	74300518 (10001521)	Spring washer	M8	4	
121	74309824 (74162613)	Male-female elbow	1"	2	
122	74310118	Male-female socket	1"	2	
123	74310229 (74162428)	Silencer	SS-25A	2	
124	74310114	Steel pipe	φ20 x 1.5 ^t x 80 ^ℓ	7	
125	74310122	Jubilee clip	#0	6	
126	74309103	Hose	2556-12 0.6 m	1	
127	74309102	Hose	2556-12 0.45 m	1	
128	74309101	Hose	2556-12 0.3 m	1	
129	74310115	Steel pipe	φ20 x 1.5 ^t x 200 ^ℓ	1	
130	74309922	90° elbow	SJ-E-20-3/4"	5	
131	74310328	Tee	SJ-F-20-3/4"	1	
132	74309405	Connector	SJ-S-20-3/4"	1	
133	74310230	Silencer	SS40A	1	
134	74309827	Male-female elbow	1-1/2"	2	
135	74309213	Regulator	AR-400-06	1	
136	74309404	Connector	SJ-S-20-1/2	2	
137	74310003	Sleeve	SJ-D-20	10	
138	74309929	Nut	SJ-C-20	10	
139	74309911	Socket	1/2" x 1/4"	1	
140	74310105	Half union	SLH-042	2	
141	74310210	Tube	F-1504 1 m	1	

Unit No. 11
Pneumatic piping

From serial No. P3450057 and after.

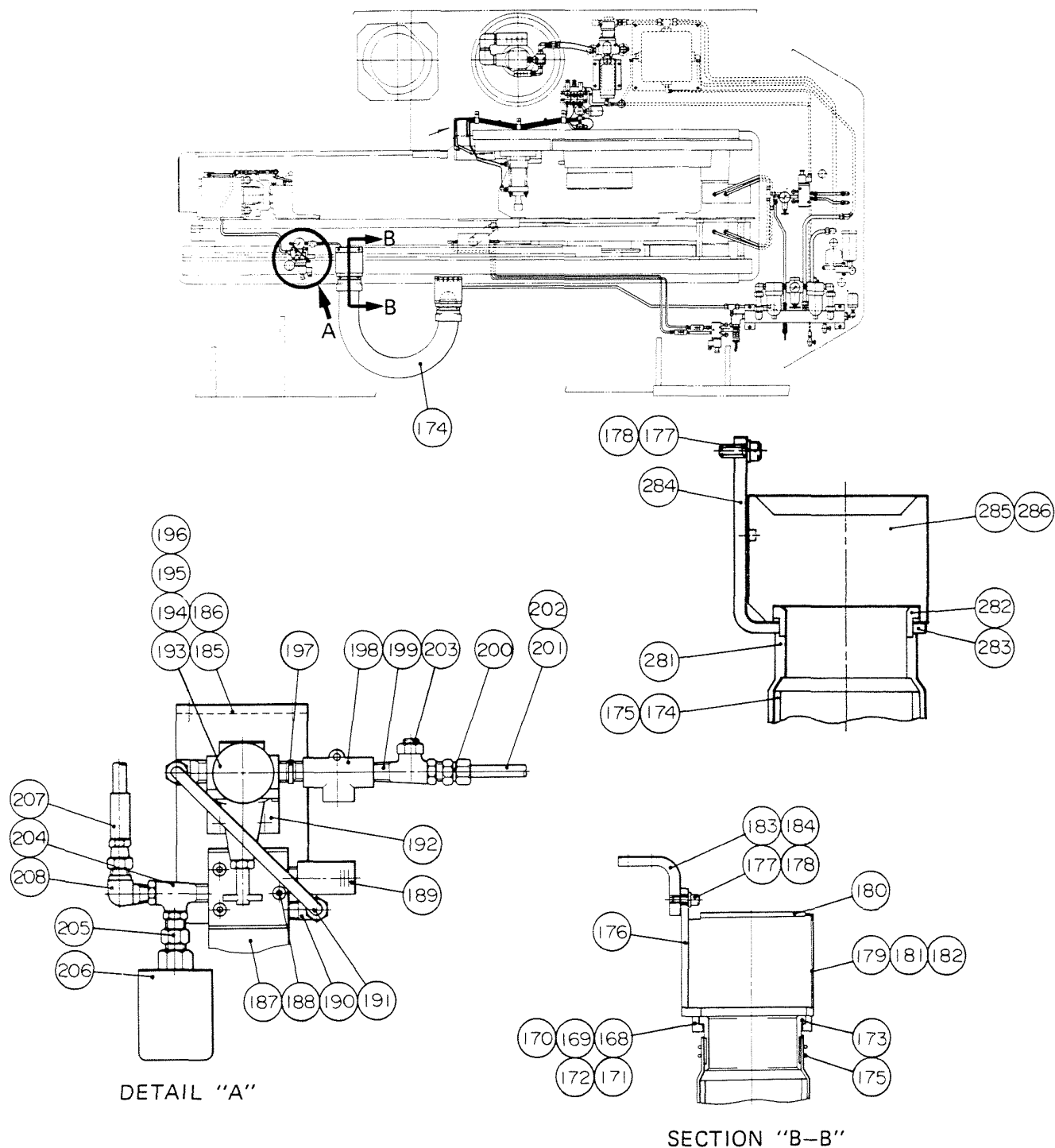


Unit No. 11

Pneumatic piping

From serial No. P3450057 and after.

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Unit No. 11

Pneumatic piping

From serial No. P3450057 and after.

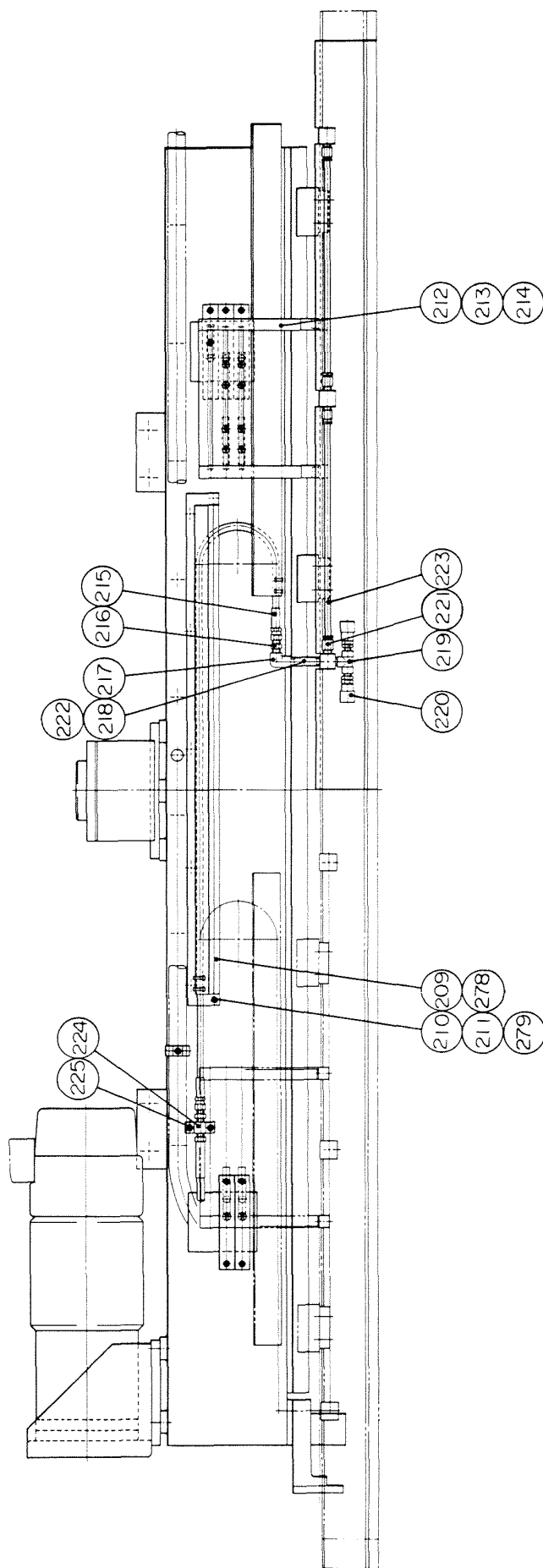
Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
168	74309631	Duct flange	827711a	2	~ P3450083
169	74301626	Cap screw	M6 x 25	8	~ P3450083
170	74300517 (44027928)	Spring washer	M6	8	~ P3450083
171	74305017	Pan head machine screw	M5 x 10	1	~ P3450083
172	74300526	Toothed lock washer	M5	1	~ P3450083
173	74309703 (71107129)	Swivel joint	827712	2	~ P3450083
174	74309628	Duct hose	827642	1	
175	74310424 (74163127)	Wire band	for $\phi 100$	2	
176	74309424	Duct bracket	827713a	2	~ P3450083
177	74300607 (21415514)	Cap screw	M8 x 25	4	Q'ty 6 $\rightarrow$ 4; P3450084 ~
178	74300518 (10001521)	Spring washer	M8	4	Q'ty 6 $\rightarrow$ 4; P3450084 ~
179	74309710	Cover	827714	1	~ P3450083
180	74309613	Rubber packing	827515	1	~ P3450083
181	74305017	Pan head machine screw	M5 x 10	6	~ P3450083
182	74300526	Toothed lock washer	M5	6	~ P3450083
183	74309423	Duct bracket	817696	1	
184	74300607 (21415514)	Cap screw	M8 x 25	4	
185	74309427	Solenoid valve bracket	817697	1	
186	74300607	Cap screw	M8 x 25	2	
187	74310201 (74162406)	Solenoid valve	3EC-8E	1	
188	74309801	Cap screw	M5 x 40	3	
189	74310227 (74162429)	Silencer	SA-8	1	
190	74310026	Male elbow	LIN 1/4"-PT 1/4"	2	
191	74310212	Tube	N2-1-1/4" 0.2 m	1	
192	74309626	Regulator support	827638	2	
193	74309211	Regulator	7931006	1	
194	74309803 (44446227)	Cap screw	M6 x 40	2	
195	74300517 (44027928)	Spring washer	M6	2	
196	74302328 (44027930)	Washer	M6	2	
197	74304831	Nipple	1/4"	1	
198	74310410 (74162518)	Check valve	VR1310-02	1	
199	74310506	Male-female tee	1/4"	1	
200	74310013	Male connector	4E01-0604	1	
201	74310211	Tube	N2-1-3/8" 1.5 m	1	
202	74310030	Male elbow	4E32-0604	1	
203	74309815 (37118306)	Plug	1/4"	1	
204	74310506	Male-female tee	1/4"	1	
205	74304831	Nipple	1/4"	1	
206	74309206	Pressure switch	7931004	1	
207	74309623	Hydraulic hose	827576e-□	1	

Unit No. 11

Pneumatic piping

From serial No. P3450057 and after.

Unit No. 11
Pneumatic piping
From serial No. P3450057 and after.



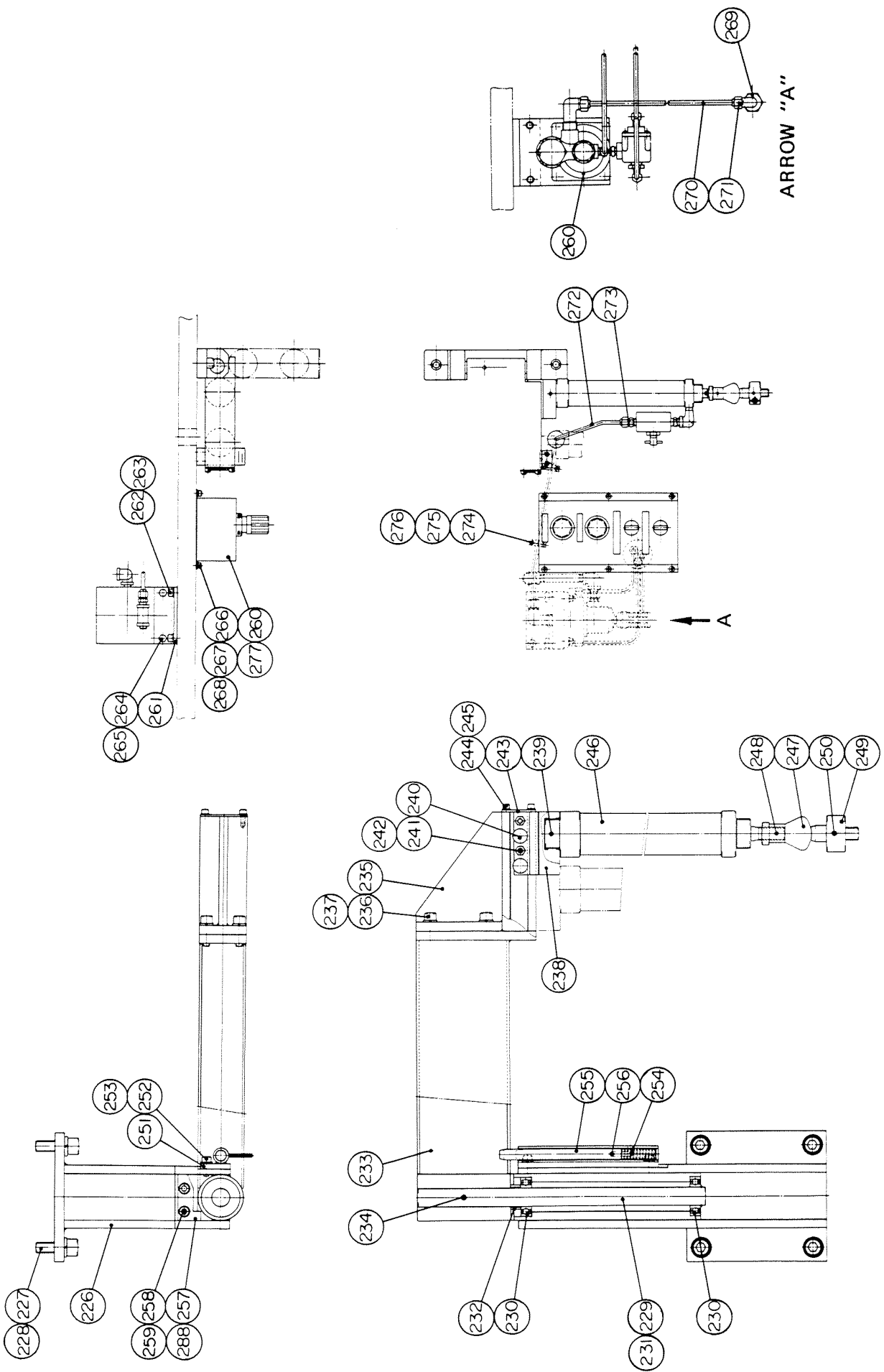
Unit No. 11

Pneumatic piping

From serial No. P3450057 and after.

Unit No. 11
Pneumatic piping

From serial No. P3450057 and after.



Unit No. **11**
Pneumatic piping

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
226	74309506	Arm bracket	819055a	1	
227	74302820	Cap screw	M12 x 35	4	
228	74301615 (44028619)	Spring washer	M12	4	
229	74309512	Bearing shaft	819057	1	
230	74310514	Ball bearing	#6905	2	
231	74310518 (74159526)	Snap ring	STW-25	1	
232	74309528	Collar	819062	1	
233	74309509	Arm	819056	1	
234	74310529 (54119320)	Spring pin	φ6 x 50	1	
235	74309516	Roller rail	819058	1	
236	74300607 (21415514)	Cap screw	M8 x 25	4	
237	74300518 (10001521)	Spring washer	M8	4	
238	74309606	Cylinder holder	827209b	1	
239	74310528	Spring pin	φ5 x 50	1	
240	74310428 (74165733)	Cam follower	KR16XLL	4	
241	74309931	Nut	M6 type 1	4	
242	74300517 (44027928)	Spring washer	M6	4	
243	74309609	Roller cover	827210	1	
244	74309802	Cap screw	M5 x 10 (unbrako)	4	
245	74300516 (44027927)	Spring washer	M5	4	
246	74310601	Air cylinder	SCDB φ40 x 300st	1	
247	74310605 (74165732)	Link ball	RB1W-14	1	
248	74310525	Spring pin	φ4 x 20	1	
249	74309111 (74165734)	Knob	480897	1	
250	74310527 (74314912)	Spring pin	φ5 x 36	1	
251	74309522	Guide	819060	1	
252	74300604	Cap screw	M6 x 15	2	
253	74300517 (44027928)	Spring washer	M6	2	
254	74310609	Coil spring	φ12 x φ1 x 50 ^ℓ	1	
255	74309525	Fixed pin	819061	1	
256	74310526	Spring pin	φ4 x 40	1	
257	74309519	Stopper	819059b	1	~ P3450083
258	74304905	Cap screw	M6 x 35	2	
259	74300517 (44027928)	Spring washer	M6	2	
260	74309216	Balance valve unit	7931008	1	
261	74309108 (74165505)	Balance valve bracket	480893	1	
262	74300606 (44235241)	Cap screw	M8 x 20	2	
263	74300518 (10001521)	Spring washer	M8	2	
264	74310614 (44029703)	Bolt	M10 x 20	2	
265	74300519 (10001520)	Spring washer	M10	2	

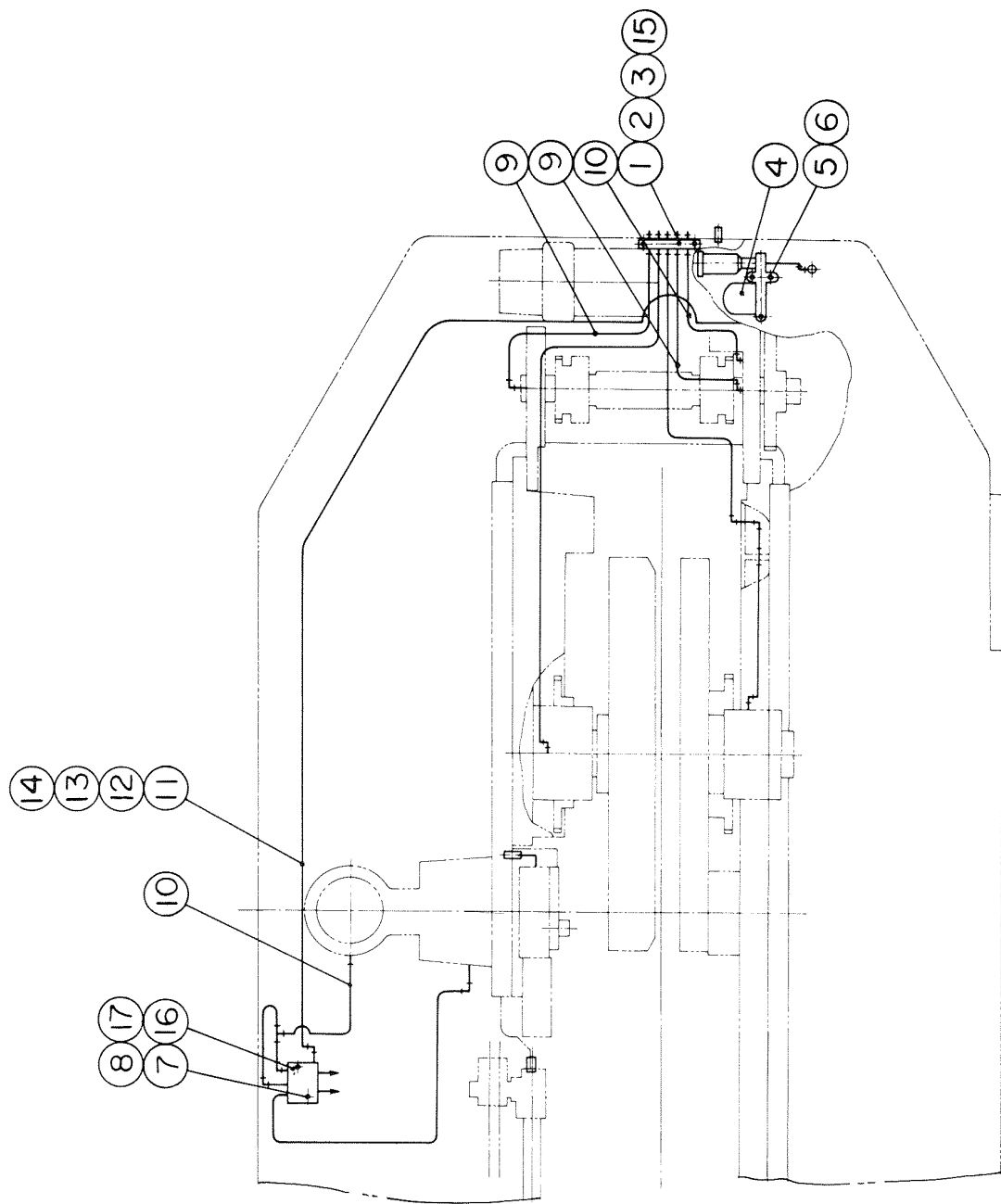
Unit No. 11

Pneumatic piping

From serial No. P3450057 and after.

Unit No. 12
Lubrication

From serial No. P3450057 and after.

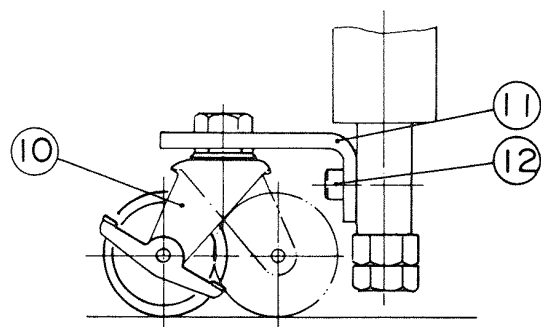
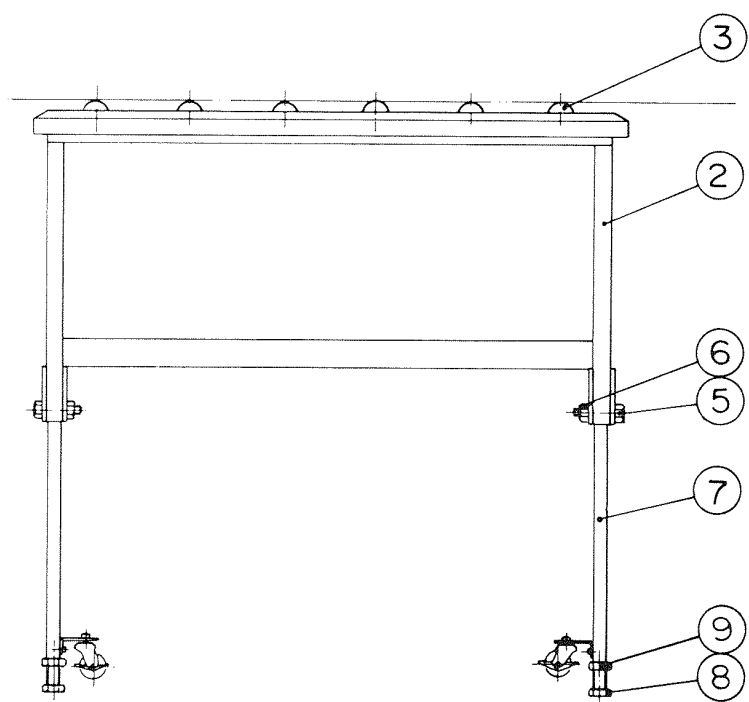
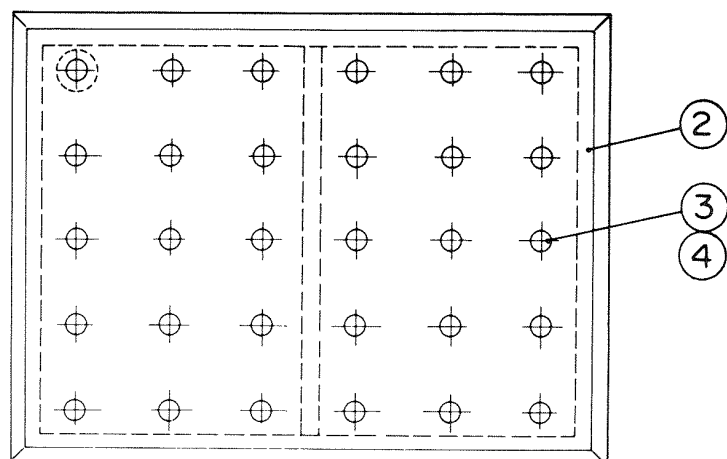


Lubrication

From serial No. P3450057 and after.

Unit No. 13
Sub table

From serial No. P3450057 and after.



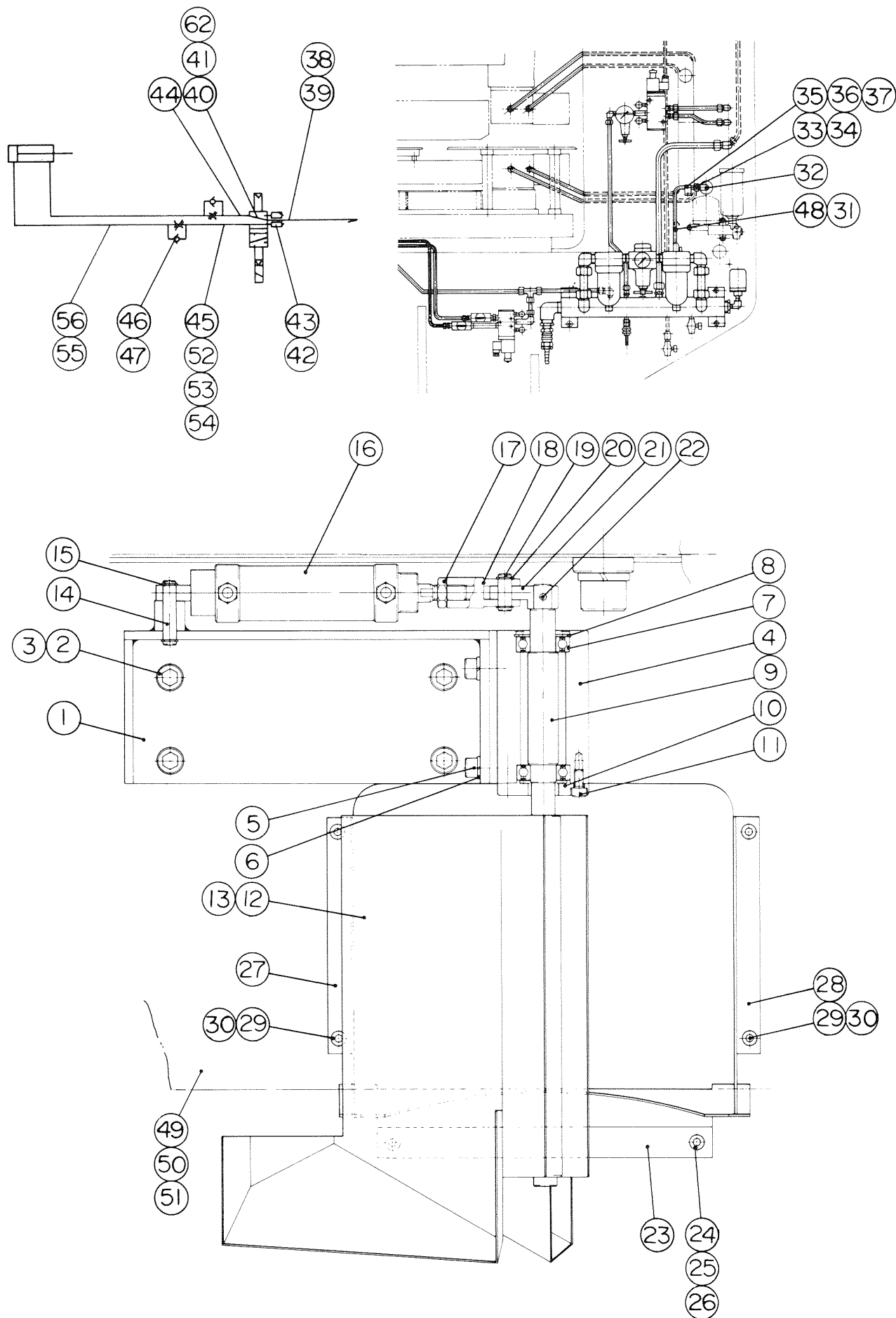
Unit No. 13
Sub table

Sub table

From serial No. P3450057 and after.

Unit No. 14
Work selector

From serial No. P3450057 and after.



Unit No. **14**
Work selector

From serial No. P3450057 and after.

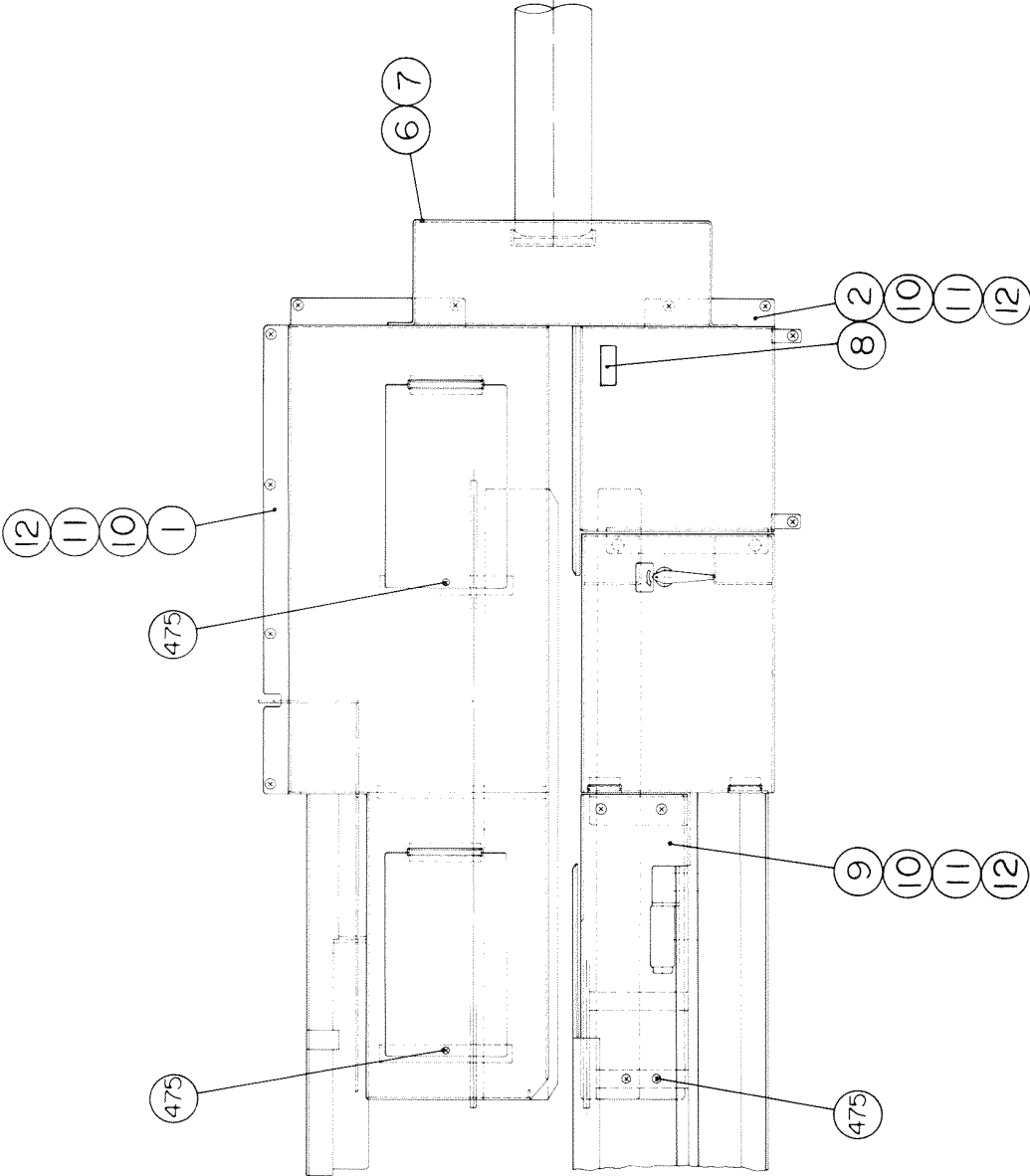
Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
1	74311514	Base bracket	819005a	1	
2	74302819 (44028616)	Cap screw	M12 x 30	4	
3	74301615 (44028619)	Spring washer	M12	4	
4	74311519	Housing	819006	1	
5	74302818	Cap screw	M8 x 30	4	
6	74300518 (10001521)	Spring washer	M8	4	
7	74311701	Ball bearing	#6003ZZ	2	
8	74311706 (44339810)	Snap ring	RTW-35	1	
9	74311603	Shaft	819007	1	
10	74311621	Bearing retainer	829527	1	
11	74302813	Cap screw	M6 x 12	4	
12	74311608	Work selector	819008a	1	
13	74311711	Spring pin	φ6 x 24	2	
14	74311614	Hinge pin	819009	1	
15	74311705	Snap ring	STW-9	2	
16	74311801	Auto switch cylinder	CDMC φ30 x 50st	1	
17	74311718	Rod end nut	NT-03	1	
18	74311721	Knuckle joint	Y-03	1	
19	74311724	Pin	1Y-02	1	
20	74311705	Snap ring	STW-9	2	
21	74311617	Link	819010	1	
22	74311710 (10564016)	Spring pin	φ4 x 20	1	
23	74311625	Sub chute	829636a	1	
24	74302813	Cap screw	M6 x 12	2	
25	74300517 (44027928)	Spring washer	M6	2	
26	74302328 (44027930)	Washer	M6	2	
27	74311628	Angle (L)	829637b	1	
28	74311629	Angle (R)	829638b	1	
29	74302813	Cap screw	M6 x 12	4	
30	74300517 (44027928)	Spring washer	M6	4	
31	74311815 (74163015)	Connector	SJ-S-10 x 1/4"	1	
32	74311827 (74162905)	90° elbow	SJ-E-10 x 1/4"	1	
33	74311728 (74162930)	Nut	SJ-C-10	2	
34	74311732 (74163105)	Sleeve	SJ-D-10	2	
35	74310307 (44027304)	Saddle	CH-6	1	
36	74305017	Pan head machine screw	M5 x 10	1	
37	74311918	Toothed lock washer	M5	1	
38	74311808 (75169519)	Male-connector	CIN-1/4-PT 1/4"	2	
39	74311822 (75169501)	Tube	N2-1-1/4" 4 m	1	
40	74311905 (74162402)	Solenoid valve	5BR-02E	1	

Unit No. 14

Work selector

From serial No. P3450057 and after.

From serial No. P3450057 and after.

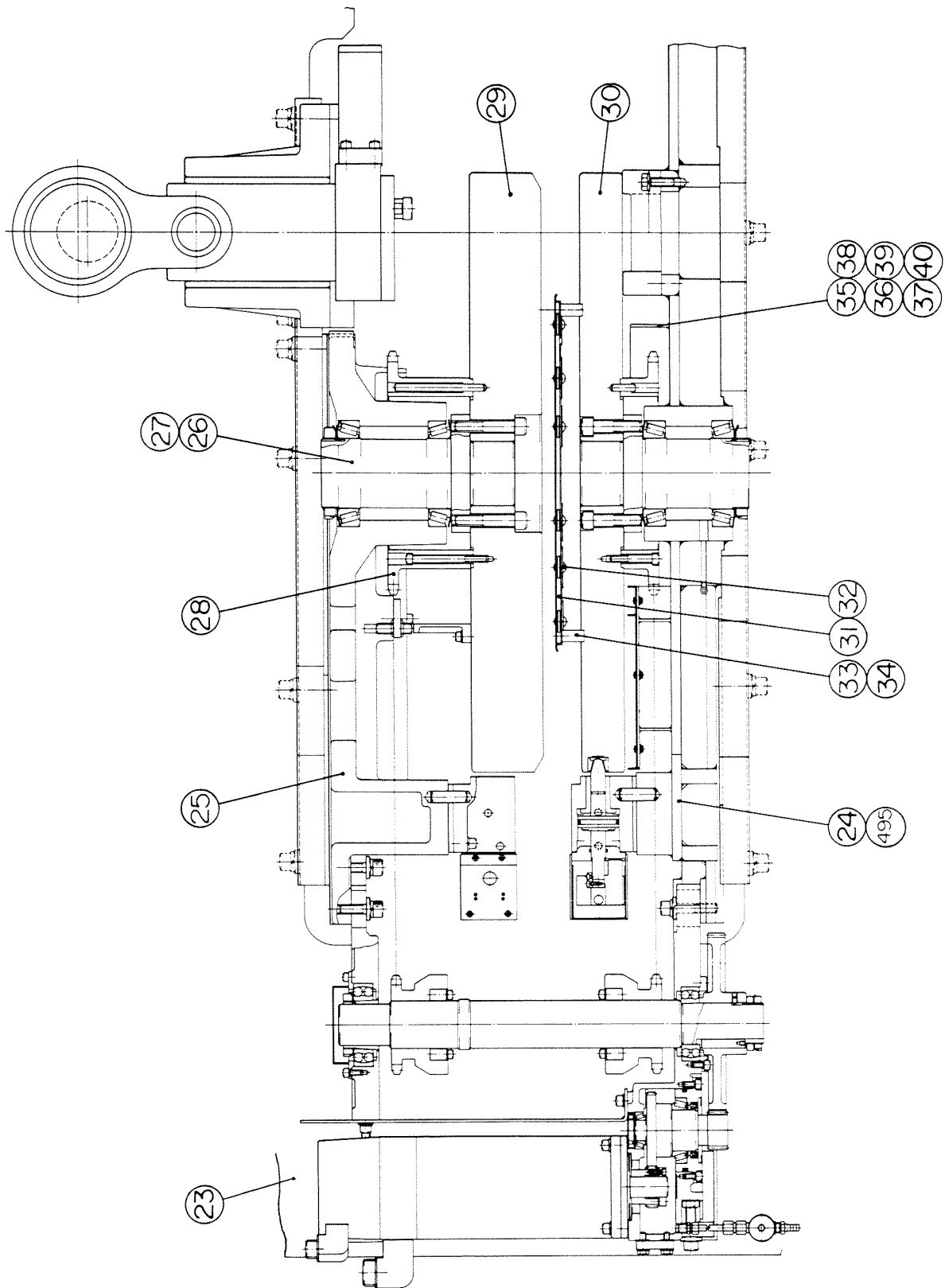


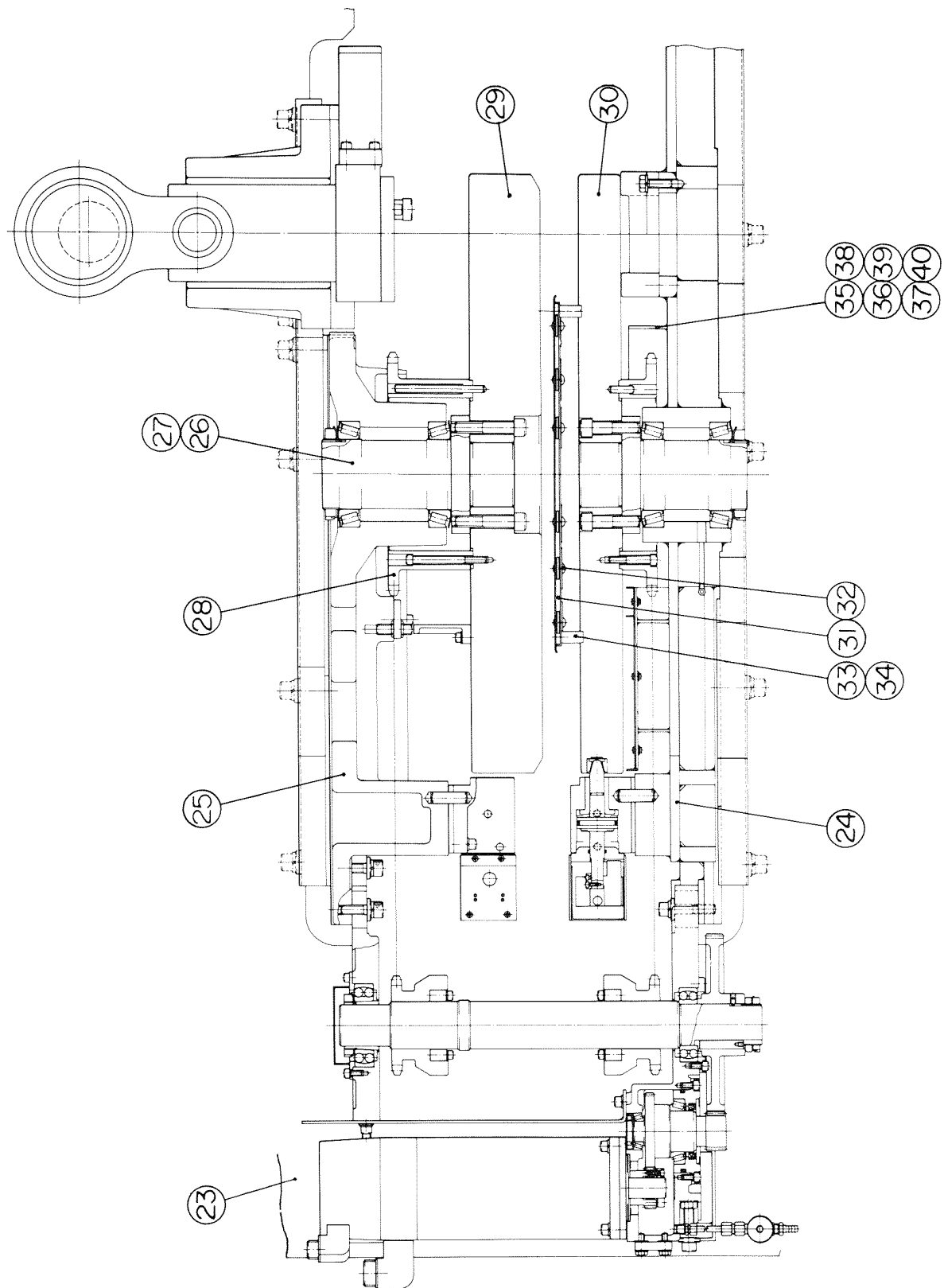
Unit No. 15

Auto-index

From serial No. P3450057 and after.

From serial No. P3450057 and after.



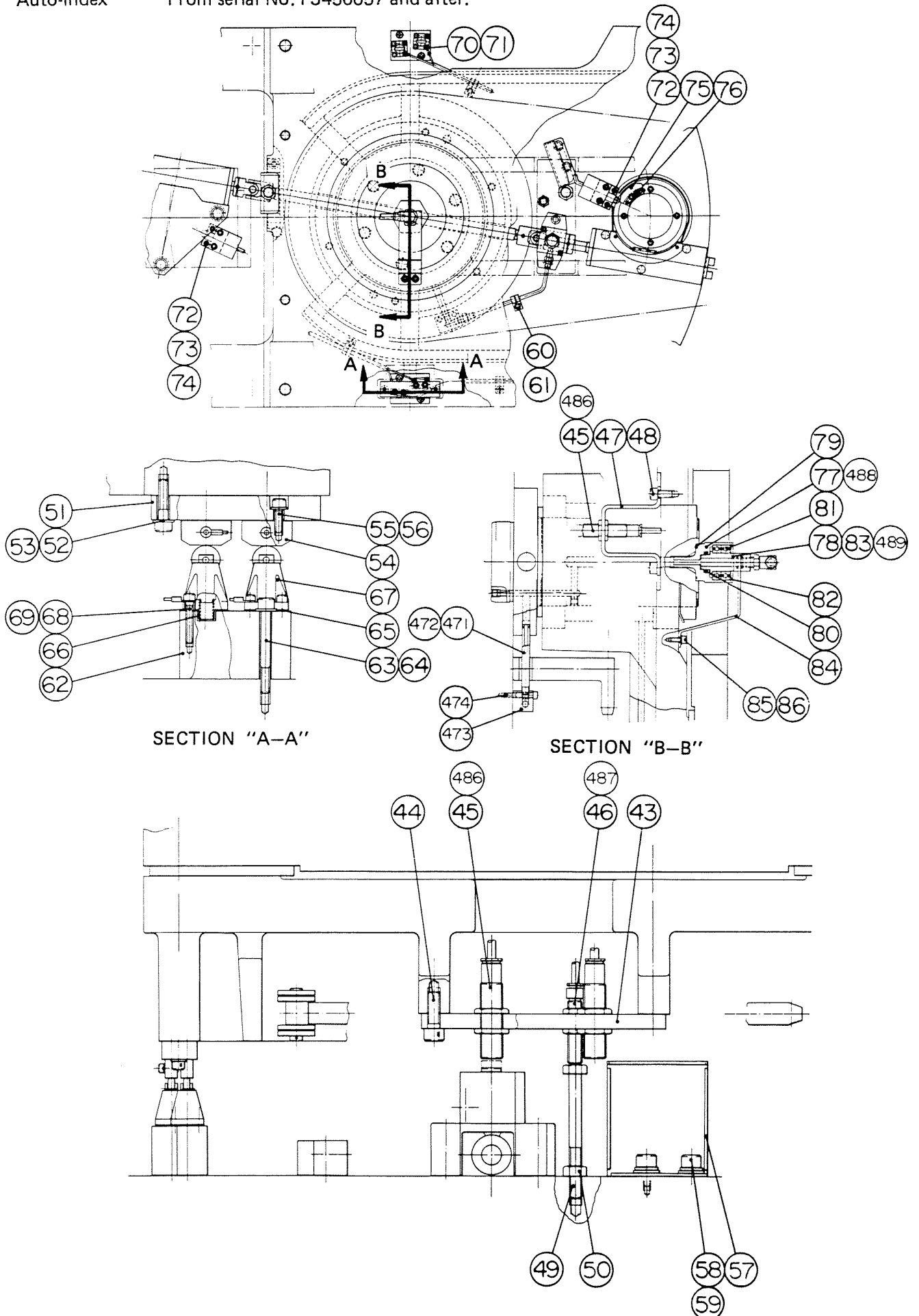


Unit No. 15

Auto-index

From serial No. P3450057 and after.

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Unit No.15

Auto-index

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
43	74312805	Proximity switch bracket (A)	811847a	1	
44	74302829	Cap screw	M10 x 30	2	
45	74312406	Proximity switch	7930012	2	~ P3450076
46	74312408 (74163729)	Proximity switch	BES516-329G0-X Cable 5 m	1	~ P3450076
47	74312806	Proximity switch bracket (B)	811848	1	
48	74301628 (44028704)	Cap screw	M10 x 20	2	
49	74314515	Bolt (all thread)	M10 x 100	2	
50	74314521	Nut	M10 type 1	2	
51	74313212	Dog bracket	811849	1	
52	74301626 (75168508)	Cap screw	M6 x 25	2	
53	74300517 (44027928)	Spring washer	M6	2	
54	74313503	Dog (B)	829437a	2	
55	74314403 (75168220)	Cap screw	M5 x 15	4	
56	74300516 (44027927)	Spring washer	M5	4	
57	74313134	Turret origin dog	811829a	1	
58	74314414	Cap screw	M10 x 15	2	
59	74300512	Washer	M10	2	
60	74310307 (44027304)	Saddle	CH-6	4	
61	74300604	Cap screw	M6 x 15	4	
62	74313215	Head base	811850a	2	
63	74314409	Cap screw	M6 x 50	4	
64	74302328 (44027930)	Washer	M6	4	
65	74313707	Copper plate	822235	4	
66	74313701	Spring	822231a	4	
67	74312507	Head	7932020	1	
68	74314402	Cap screw	M4 x 25	16	
69	74300515 (44027327)	Spring washer	M4	16	
70	74314529	Lug terminal	0.75 mm ² ϕ 4	6	
71	74314401	Cap screw	M4 x 10	2	
72	74313219	L.S. base	811852	2	
73	74314409	Cap screw	M6 x 50	4	
74	74302328 (44027930)	Washer	M6	4	
75	74314318	Switch dog	828987c	2	
76	74300624	Button head socket screw	M6 x 15	4	
77	74313123	Swivel body	811837a	1	~ P3450079
78	74313127	Swivel spindle	811838a	1	~ P3450079
79	74314823	O-ring	S40	1	
80	74315228	U-packing	2060UP R20	1	~ P3450079
81	74312419 (10319323)	Ball bearing	6005ZZ	2	~ P3450079
82	74314620 (10317831)	Snap ring	RTW-47	1	~ P3450079

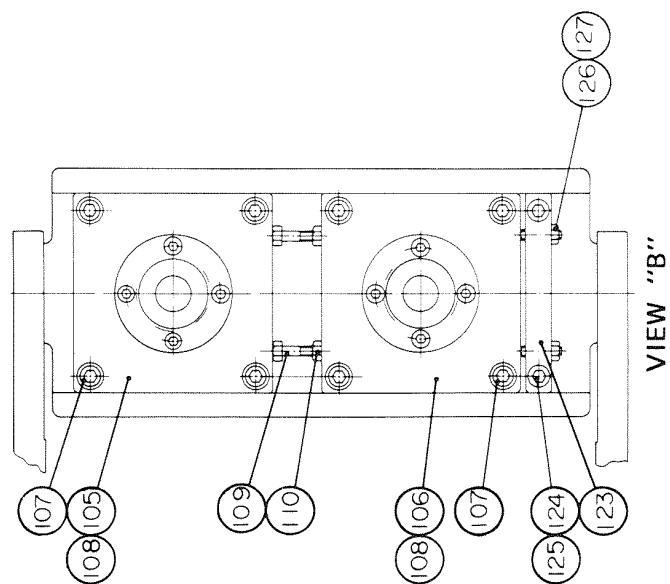
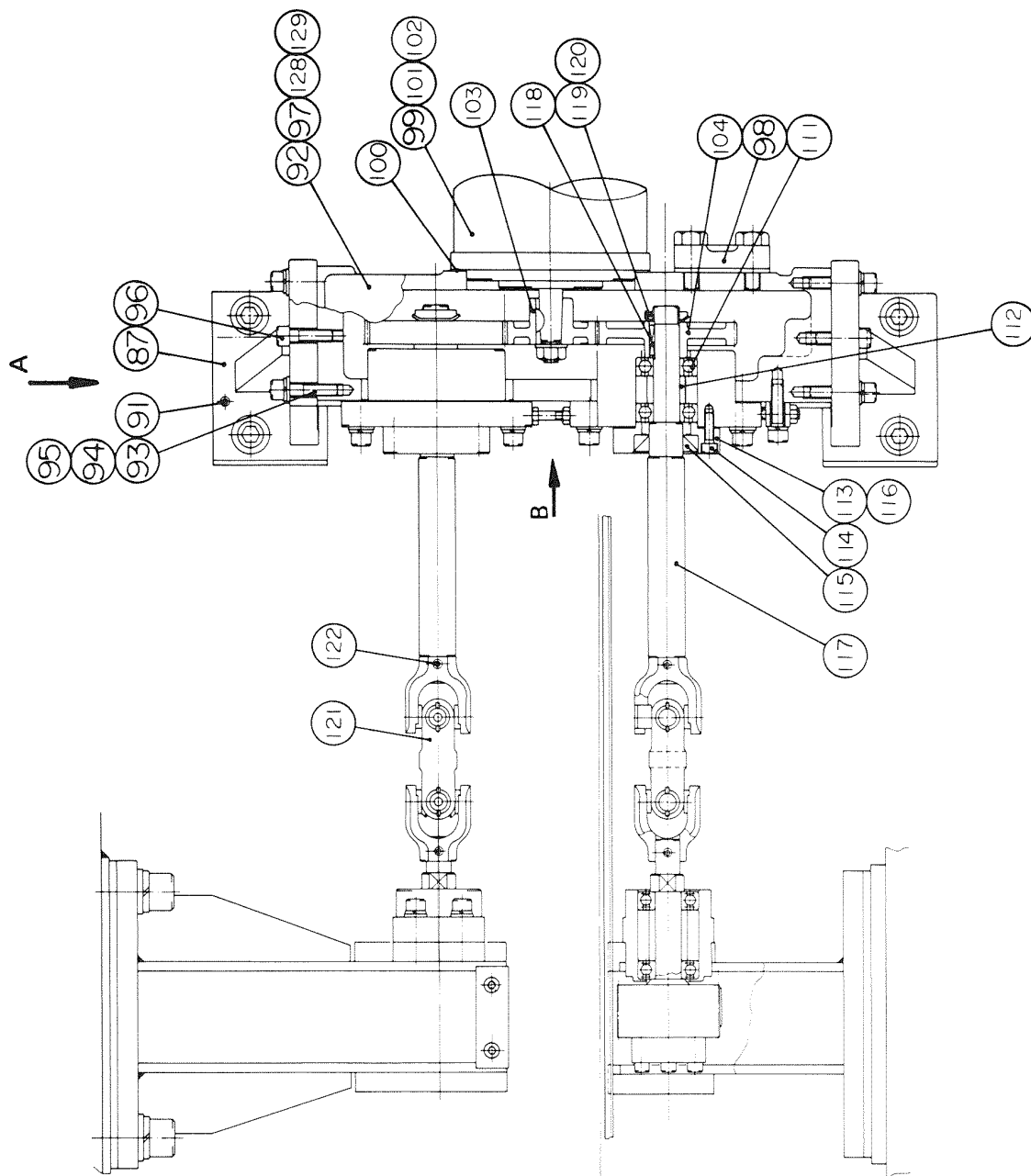
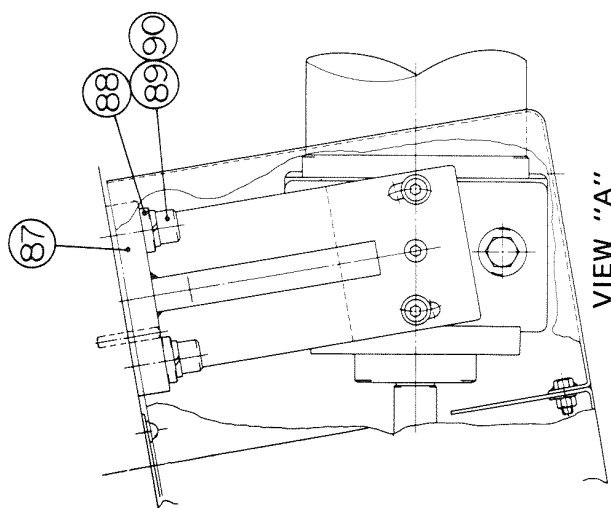
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From serial No. P3450057 and after.

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Unit No. 15
Auto-index

From serial No. P3450057 and after.



Unit No. 15

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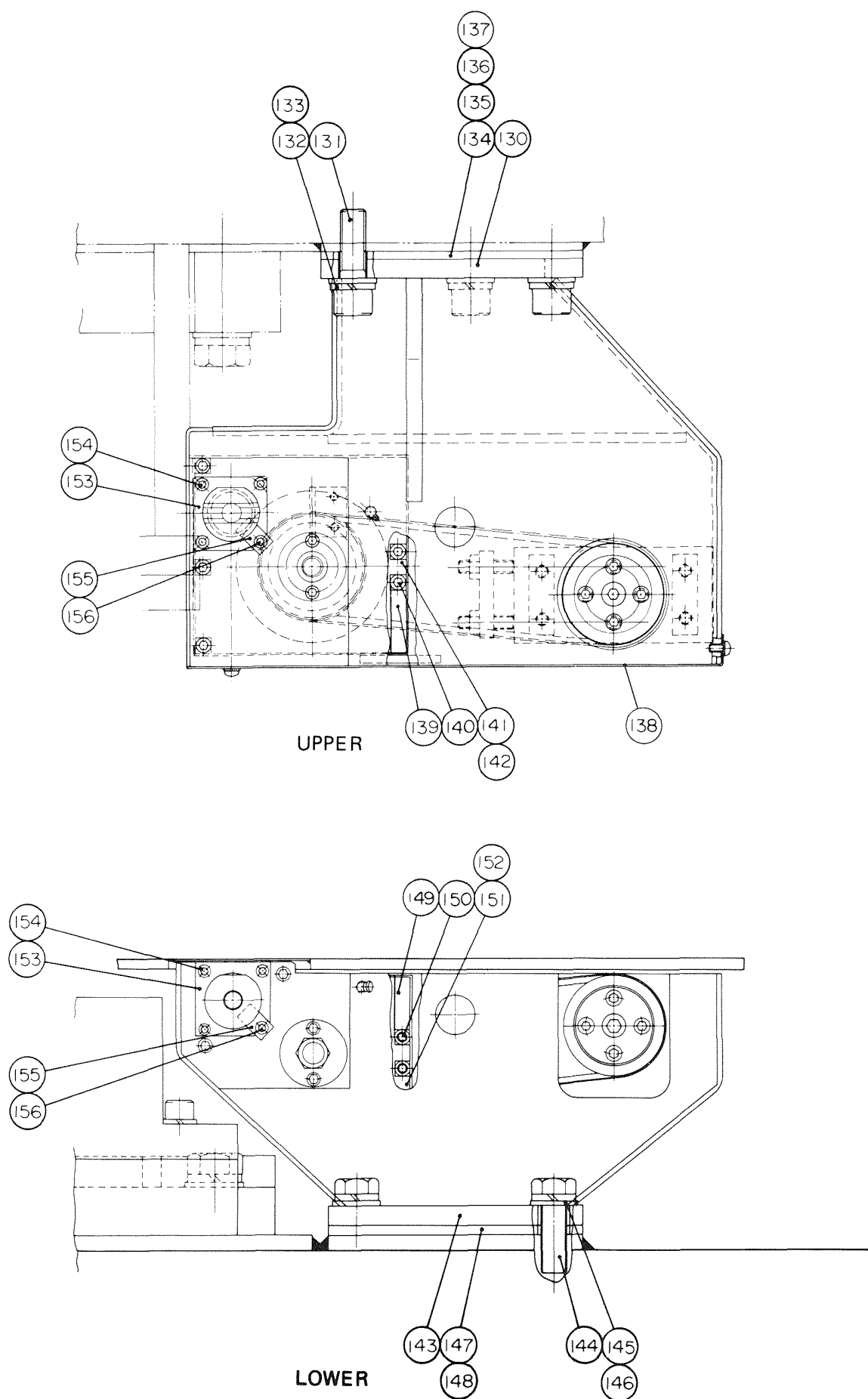
From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
87	74313607	Box holder	822068c	2	c: July '87 ~
88	74314203 (74165310)	Washer	827014b	4	
89	74304917	Cap screw	M12 x 40	4	
90	74301615 (44028619)	Spring washer	M12	4	
91	74314912	Spring pin	$\phi 5 \times 36^L$	2	~ July '87
92	74313525	Gear box	821958b	1	
93	74301627	Cap screw	M8 x 35	4	
94	74300518 (10001521)	Spring washer	M8	4	
95	74300511	Washer	M8	4	
96	74302818	Cap screw	M8 x 30	2	
97	74314914	Spring pin	$\phi 6 \times 28^L$	1	
98	74312413	Oil level gauge	7931002	1	
99	74315106	NC servo motor	6L with nut and key	1	
100	74313726 (74058990)	Motor packing	822378	1	
101	74302818	Cap screw	M8 x 30	4	
102	74315111	Seal washer	SM-8	4	
103	74313713	Drive gear	822365	1	
104	74313714	Driven gear	822366	2	
105	74313518	Bearing holder (A)	822367a	1	
106	74313519	Bearing holder (B)	822368a	1	
107	74302818	Cap screw	M8 x 30	8	
108	74313717	Holder shim	822369a	2	
109	74314514	Bolt	M6 x 35	2	
110	74300503 (10310352)	Nut	M6	2	
111	74312422 (11130320)	Ball bearing	#6203	4	
112	74313720	Inner ring collar	822371	2	
113	74312631	Bearing retainer	822372b	2	
114	74302815	Cap screw	M6 x 20	8	
115	74314725 (74058982)	Oil seal	$\phi 42 \times \phi 22 \times 11^W$ AC1148A0	2	
116	74313422	Shim	822373	2	
117	74313513	Drive spindle (B)	821955	2	
118	74313508	Key	5 x 5 x 19	2	
119	74313711 (44132503)	Crown nut	AN03	2	
120	74314905 (44132502)	Crown washer	AW03	2	
121	74312502	Double joint	7932018b	2	
122	74314913	Spring pin	$\phi 6 \times 22^L$	4	
123	74313723	Holder stopper	822374	1	
124	74302818	Cap screw	M8 x 30	2	
125	74300518 (10001521)	Spring washer	M8	2	
126	74314810	Set screw	M6 x 25 (flat end)	2	

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From serial No. P3450057 and after.

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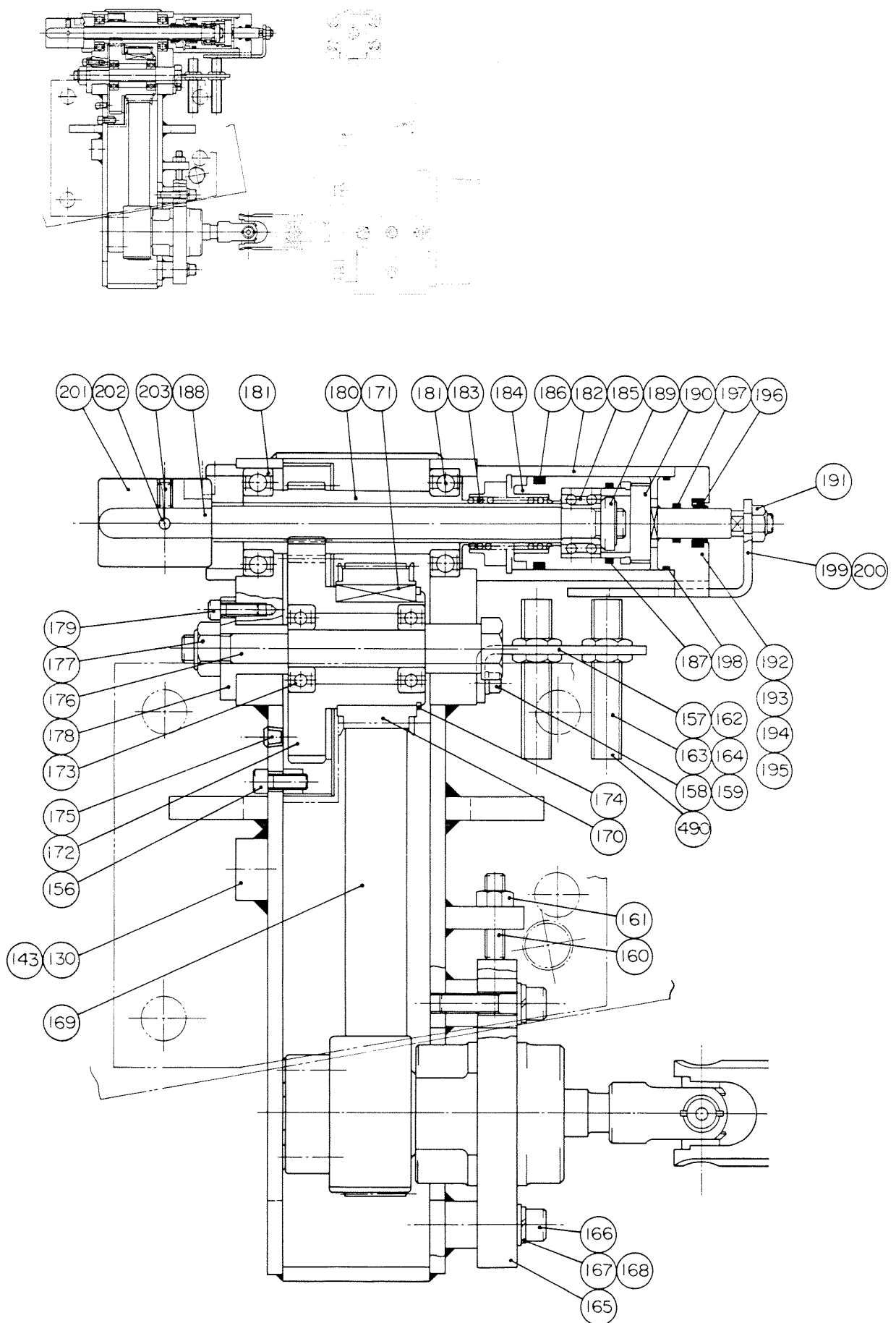


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From serial No. P3450057 and after.

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Unit No. 15

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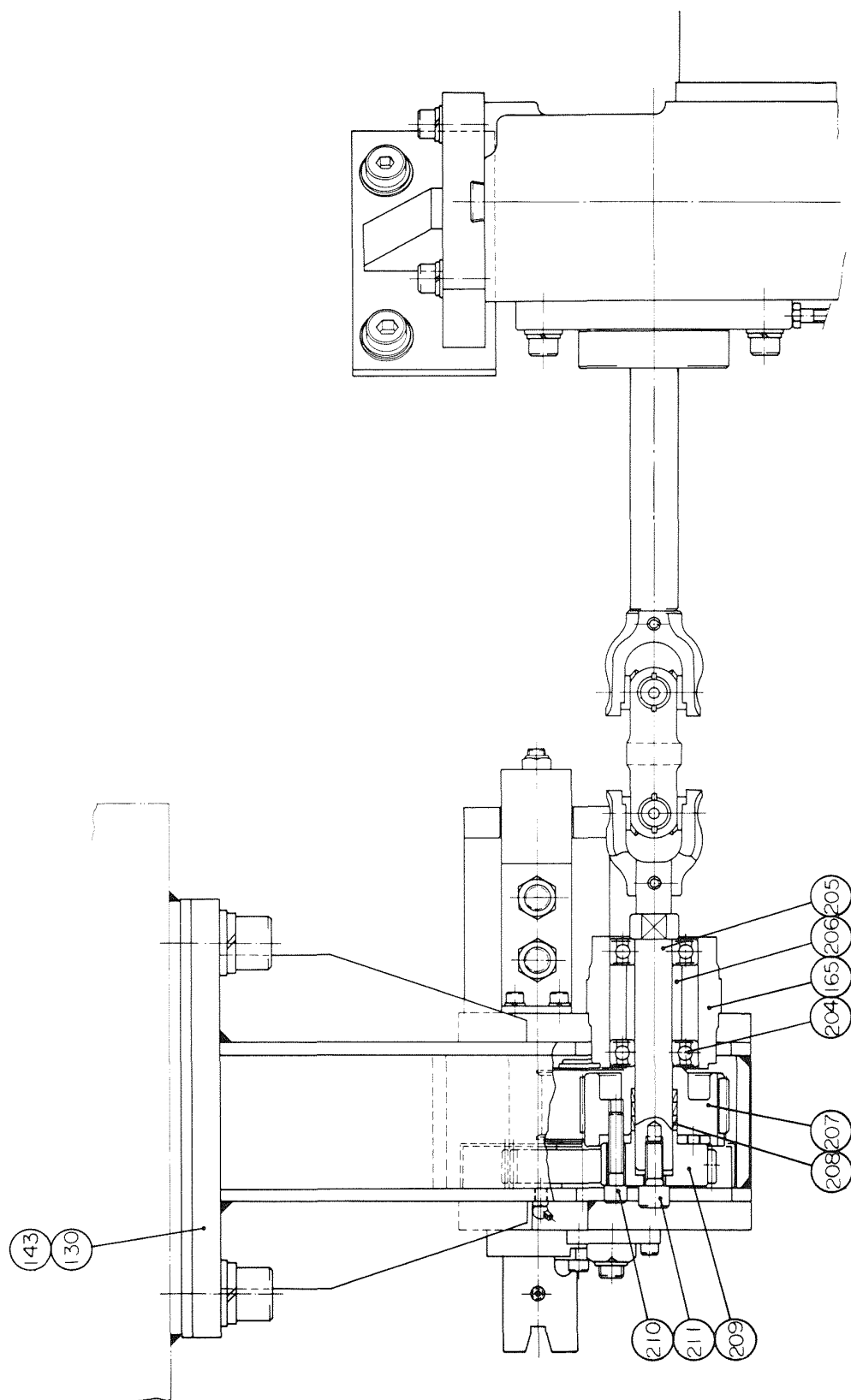
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Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
157	74312807	Proximity switch bracket	821829	1	
158	74314403	Cap screw	M5 x 15	4	
159	74300516 (44027927)	Spring washer	M5	4	
160	74314812	Set screw (flat end)	M8 x 35	4	
161	74300504 (10001517)	Nut	M8	4	
162	74312804	Proximity switch bracket	802252	1	
163	74312408 (74163729)	Proximity switch	BES516-329G0-X Cable 5 m	4	~ P3450076
164	74303704	Washer	M12	8	
165	74313516	Bearing holder	821957a	2	
166	74301627 (38020507)	Cap screw	M8 x 35	8	
167	74300518 (10001521)	Spring washer	M8	8	
168	74300511	Washer	M8	8	
169	74314701 (74058987)	Timing belt	230-H-100	2	
170	74313730	Pulley (driven)	822390	2	
171	74313509	Key	7 x 7 x 32	2	
172	74313808	Middle gear	822391b	2	
173	74312421 (61163323)	Ball bearing	#6202ZZ	4	
174	74314619 (23134517)	Snap ring	STW-45	2	
175	74301701 (58147621)	Plug	PT 1/8	2	
176	74313601	Bearing shaft	821959	2	
177	74314706	U-nut	M12	2	
178	74313604	Shaft support	821960	2	
179	74314403 (75168220)	Cap screw	M5 x 15	4	
180	74314129	Driven middle gear	822491b	2	
181	74312420 (74058976)	Ball bearing	#60/22ZZ	4	
182	74313616 (74058541)	P.P. cylinder	822079a	2	
183	74313619	P.P. spring	822080	2	
184	74313622 (74058552)	P.P. piston	822081	2	
185	74312424 (74058967)	Ball bearing	#7001DB	2	
186	74314825 (58352809)	O-ring	P-32	2	
187	74314821 (36181565)	O-ring	S-28	2	
188	74313613 (74058928)	P.P. spline	822077b	2	
189	74314709 (74058979)	Fine U-nut	M12	2	
190	74313625 (74058542)	P.P. plunger	822083	2	
191	74314705	U-nut	M8	2	
192	74313628	P.P. cylinder cover (lower)	822084b	1	
193	74313629	P.P. cylinder cover (upper)	822085c	1	
194	74314413	Cap screw	M8 x 100	4	
195	74300606 (44235241)	Cap screw	M8 x 20	4	
196	74314713 (74058984)	Scraper	SDR-12204	2	

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From serial No. P3450057 and after.

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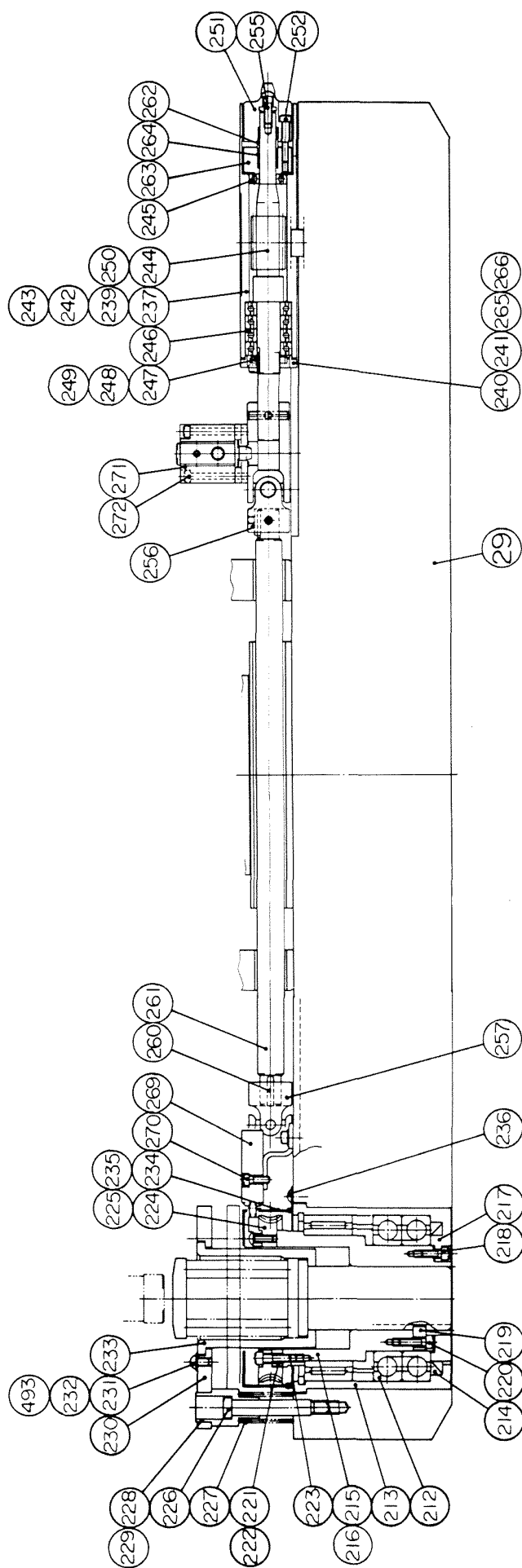
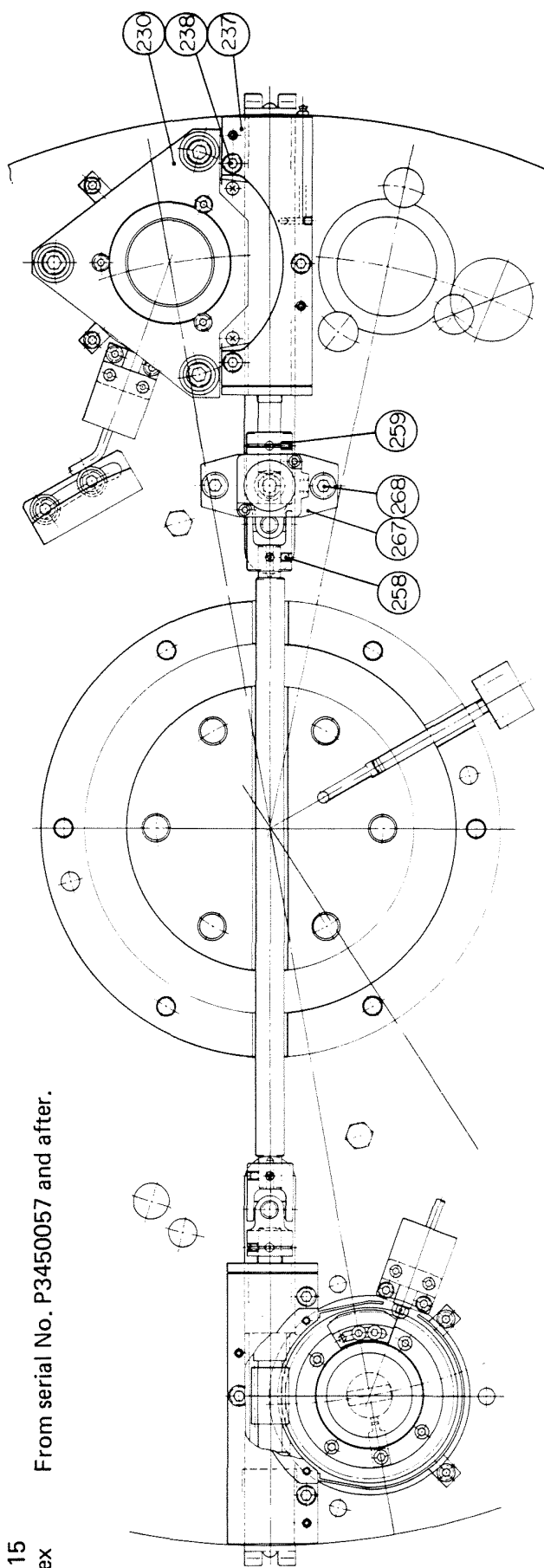
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From serial No. P3450057 and after.



Unit No.15

Auto-index

From serial No. P3450057 and after.

Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
212	74313903	Upper bearing unit	822414	2	
213	74313906	Bearing holder (upper)	822415b	2	
214	74314724	Oil seal	AG3982E0	2	
215	74313911	Guide holder	822418e	2	
216	74314916	Spring pin	φ16 x 14	1	
217	74313914	Seal retainer	822419a	2	
218	74304940	Cap screw	M6 x 15 (unbrako)	7	
219	74312326 (74058997)	Guide key	822420	2	
220	74302842	Cap screw	M6 x 20 (unbrako)	2	
221	74313917	Wheel key	822421a	1	
222	74313918	Wheel key (with step)	822423	1	
223	74304941	Cap screw	M6 x 25 (unbrako)	2	
224	74312628	Worm wheel (upper)	822422c	2	
225	74304941	Cap screw	M6 x 25 (unbrako)	8	
226	74306018	Shoulder screw	5501017c	6	
227	74306214 (74058991)	Lifter spring	827241a	6	
228	74312307	Lifter collar	822424a	6	
229	74314617 (10317507)	Snap ring	STW-22	6	
230	74313402	Link holder	821815b	2	b: P3450083 ~
231	74314601	Button head socket screw	M6 x 10	6	
232	74302328 (44027930)	Washer	M6	6	~ P3450075
233	74312312	Lifter ring	822426c	2	
234	74313404	Wheel cover	821816b	2	
235	74300604	Cap screw	M6 x 15	4	
236	74305017	Pan head machine screw	M5 x 10	4	
237	74312609	Worm housing (upper)	802232e	2	
238	74314410	Cap screw	M8 x 45	6	
239	74315126	Straight pin (with screw)	φ6 x 50	4	
240	74312630	Bearing retainer	802237c	4	
241	74300604	Cap screw	M6 x 15	16	
242	74314728 (37115431)	Grease nipple	A-6 mm P1	2	
243	74305504 (10322119)	Set screw	M6 x 6	2	
244	74312614	Worm shaft (A)	811832a	1	
245	74312418 (74058574)	Ball bearing	#6001Z6805VVAV2	4	
246	74312511 (74058544)	Ball bearing set	7932023	4	
247	74313711 (44132503)	Crown nut	AN03	4	
248	74314905 (44132502)	Crown washer	AW03	4	
249	74313812	Seal	822398	4	
250	74312613	Worm shaft (B)	802234d	3	
251	74313826	Point shaft (driven side)	822439b	4	

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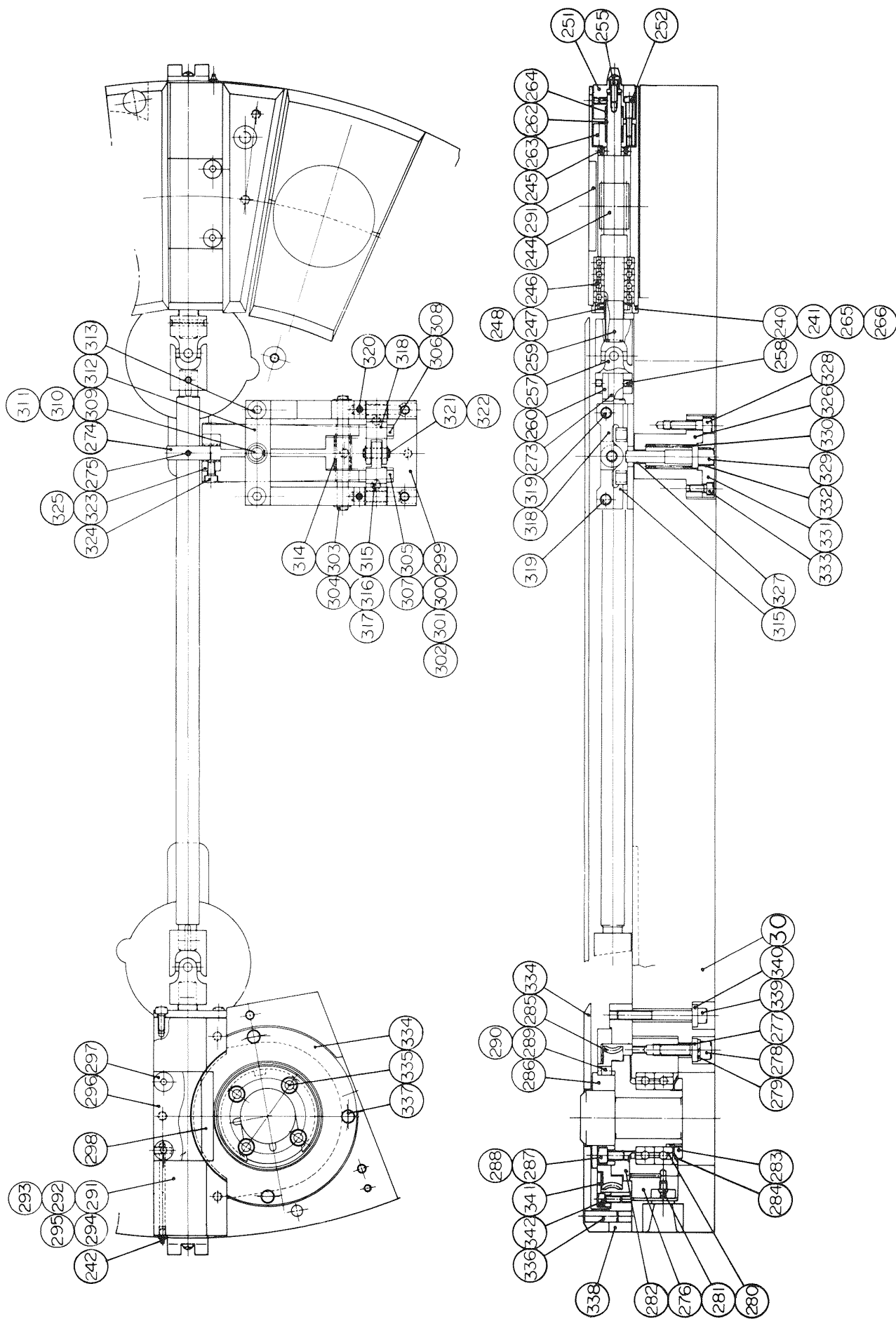
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From serial No. P3450057 and after.

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Unit No. 15
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From serial No. P3450057 and after.



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From serial No. P3450057 and after.

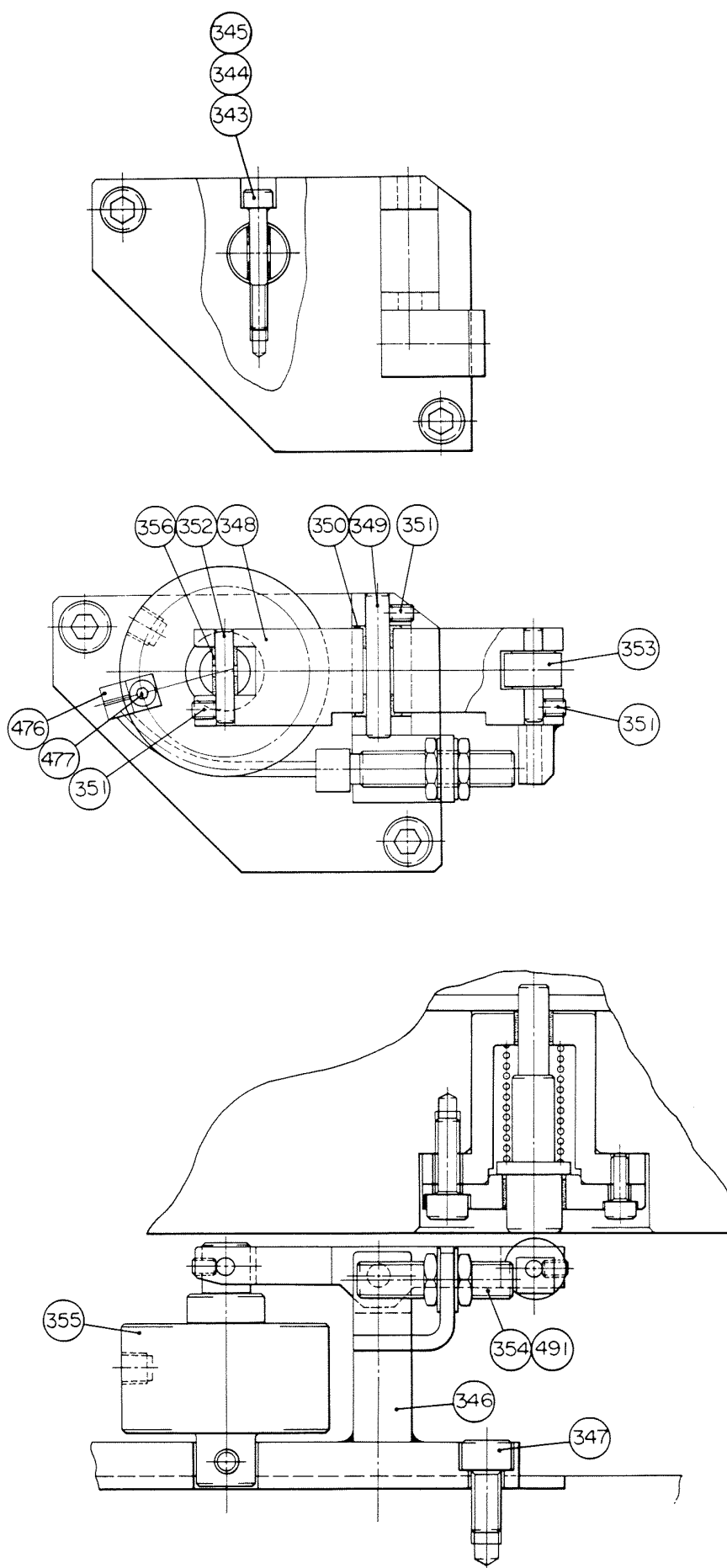
Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
273	74312617	Center shaft	802237b	1	
274	74312621	Brake shaft	802238c	1	c: P3450080 ~
275	74314915	Spring pin	φ6 x 30	1	
276	74313517	Bearing holder (lower)	822306c	2	
277	74314202 (74165309)	Washer	827013b	14	
278	74304948	Cap screw	M10 x 35 (unbrako)	14	
279	74300519	Spring washer	M10	14	
280	74312417	Ball bearing	7932017	2	
281	74314728 (37115431)	Grease nipple	A-6 mm P1	2	
282	74313406 (74058914)	Support	821817a	2	
283	74313710 (74058931)	Crown nut	822308	2	
284	74314906 (13138205)	Crown washer	AW10	2	
285	74312627	Worm wheel (lower)	802244c	2	
286	74312702 (74058920)	Die holder	802245a	2	
287	74314421	Cap screw	M8 x 15 (unbrako)	4	
288	74302844	Cap screw	M8 x 20 (unbrako)	4	
289	74352303	Key	10 x 8 x 8 type 1	2	
290	74314009 (74058999)	Wheel key (with step)	822453	1	
291	74312610 (74058553)	Worm housing (lower)	802246e	2	
292	74315126	Straight pin (with screw)	φ6 x 50	4	
293	74314811	Set screw (flat end)	M8 x 10	4	
294	74314204	Washer	827367	6	
295	74314422	Cap screw	M8 x 70 (unbrako)	6	
296	74312718	Cover plate	802248a	2	
297	74315325	Countersink head socket screw	M8 x 15	4	
298	74312721	Dust seal	802249	2	
299	74313120	Brake holder (lower)	811859	1	
300	74314204	Washer	827367	4	
301	74304951	Cap screw	M10 x 65 (unbrako)	3	
302	74314901	Cone disk spring	CWD-10H	3	
303	74314013	Guide pin	822462	1	
304	74314616 (10205431)	Snap ring	STW-10	1	
305	74314106	Brake arm (C)	822473d	1	
306	74314107	Brake arm (D)	822474d	1	
307	74314923	Oilless metal bushing	MB-1008-18FDU	1	
308	74314922	Oilless metal bushing	MB-1006-18FDU	2	
309	74314125	Thrust washer	822490	1	
310	74314017	Arm pin	822465a	1	
311	74314616 (10205431)	Snap ring	STW-10	1	
312	74314001	Arm plate (lower)	822427a	1	

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From serial No. P3450057 and after.

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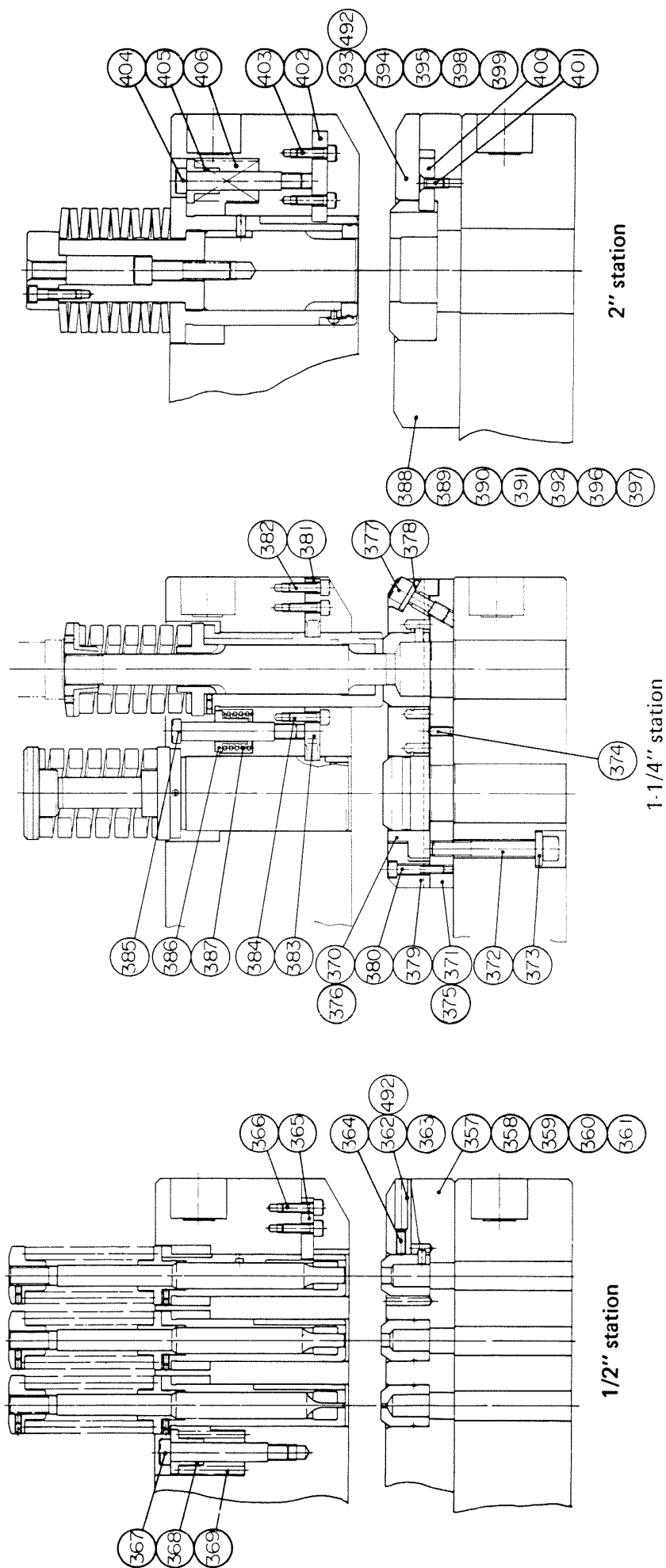


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From serial No. P3450057 and after.

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Unit No.15

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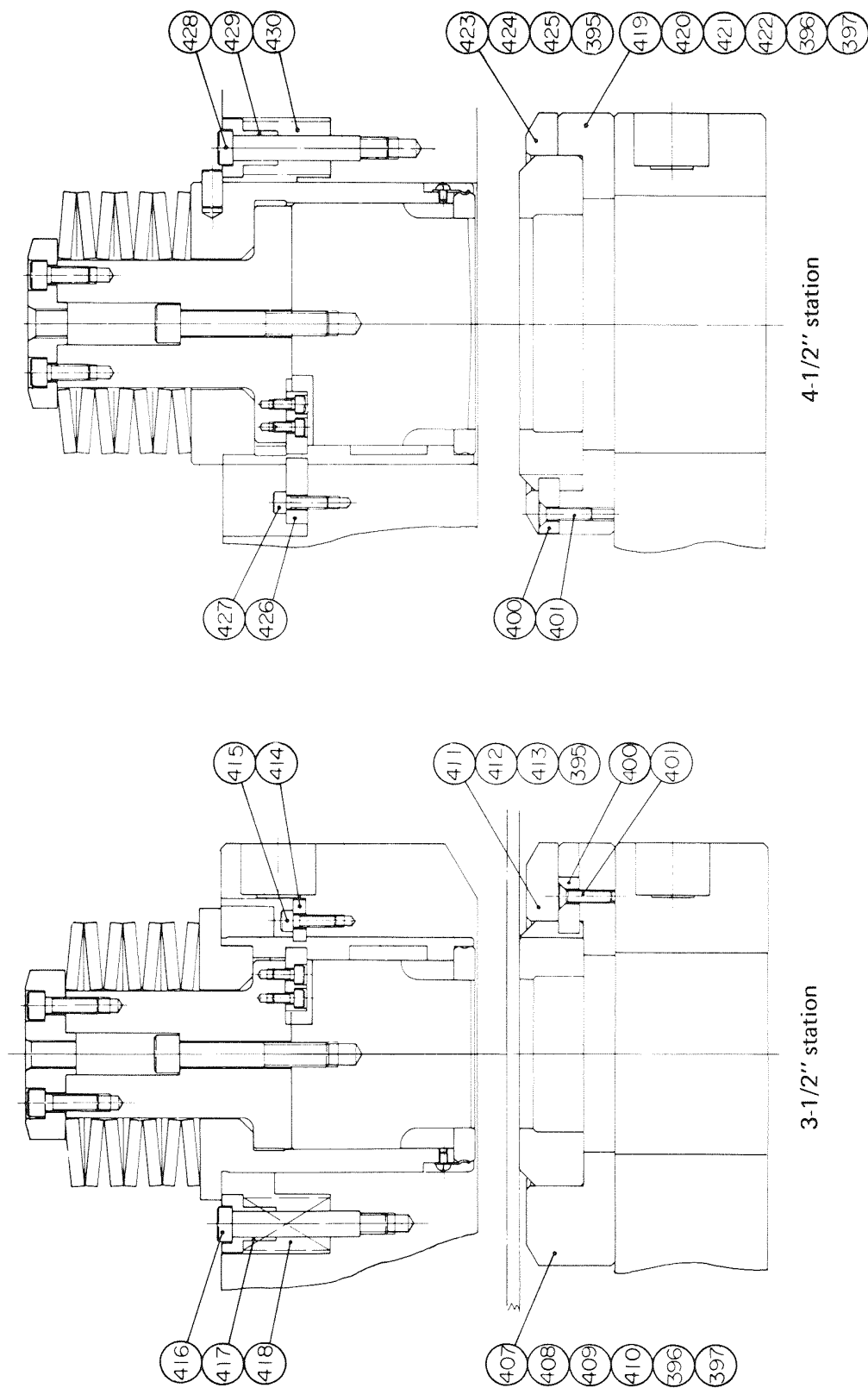
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Index No.	Parts No.	Parts Name	Drawing No. or Type	Q'ty	Note
357	74306122 (74164916)	1/2" die holder	827106c	12	Please order together with index No. 362
358	74315024	Ball plunger	BP-8H	24	
359	74314424	Cap screw	M10 x 75 (unbrako)	48	
360	74300519 (10001520)	Spring washer	M10	48	
361	74314202 (74165309)	Washer	827013b	48	
362	74306201	1/2" die spacer	827107b	12	Please order together with index No. 357
363	74315202	Fastener pin (with screw)	D-φ8 x 20	24	~ P3450083
364	74314809	Set screw (flat end)	M6 x 15	12	
365	74306007	1/2", 1-1/4" Guide key	5501007f	12	f: P3450077 ~
366	74302842	Cap screw	M6 x 20 (unbrako)	24	
367	74306018	Shoulder screw	5501017c	30	
368	74306004	1/2", 1-1/4", 2" Lift ring (A)	5500217b	30	
369	74306214 (74165232)	Lifter spring (B)	827241a	30	
370	74312710 (74165401)	90° upper die holder	827471a	6	
371	74312711 (74165402)	Lower die holder	827472a	6	
372	74314423	Cap screw	M10 x 70 (unbrako)	24	
373	74314202 (74165309)	Washer	827013b	24	
374	74315023	Ball plunger	BP-6H	6	
375	74314802 (10557819)	Set screw (flat end)	M5 x 6	12	
376	74315024	Ball plunger	BP-8H	12	
377	74314306	Corner bolt	827474a	6	
378	74314205	Washer	827475	6	
379	74314303	Block	827473a	6	
380	74304904	Cap screw	M6 x 30	12	
381	74306007	1/2", 1-1/4" Guide key	5501007f	6	f: P3450077 ~
382	74302842	Cap screw	M6 x 20 (unbrako)	12	
383	74312327 (74165117)	1-1/4" Guide key	827263a	6	a: P3450077 ~
384	74302842	Cap screw	M6 x 20 (unbrako)	6	
385	74306018	Shoulder screw	5501017c	30	
386	74306004	Lifter collar	5500217b	30	
387	74306214 (74165232)	Lifter spring B	827241a	30	
388	74306123	2" die holder	827114f	2	Please order together with index No. 394
389	74312709 (74165407)	2" die holder (A)	827407	2	Please order together with index No. 393
390	74314424	Cap screw	M10 x 75 (unbrako)	28	
391	74300519 (10001520)	Spring washer	M10	28	
392	74314202 (74165309)	Washer	827013b	28	
393	74314213	2" die spacer (A)	827408	2	Please order together with index No. 389
394	74306202	2" die spacer	827115f	2	Please order together with index No. 388
395	74315011	Free stroke bearing	C-3S	4	
396	74313706 (74306026)	Spring (Die spacer)	827018	16	

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From serial No. P3450057 and after.

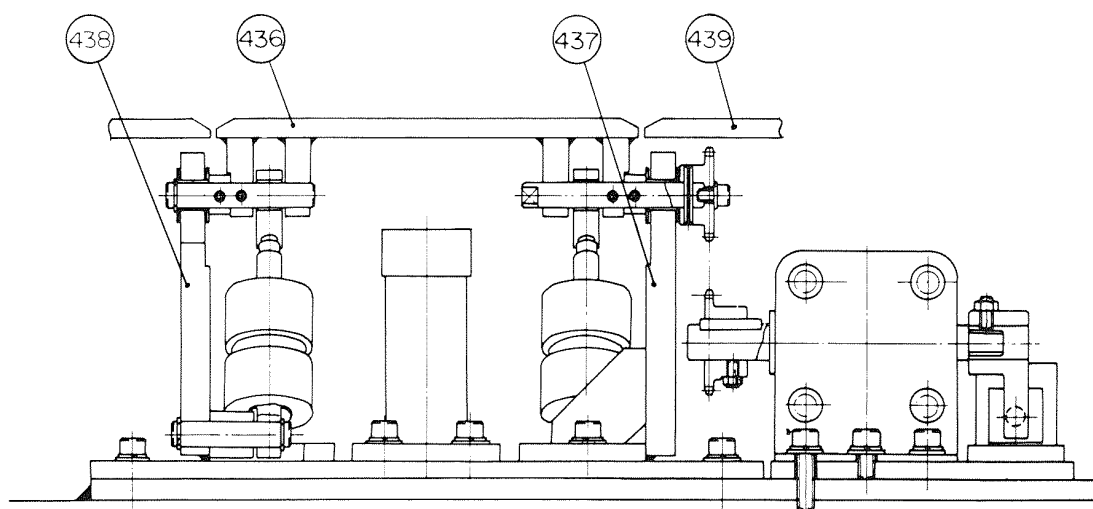
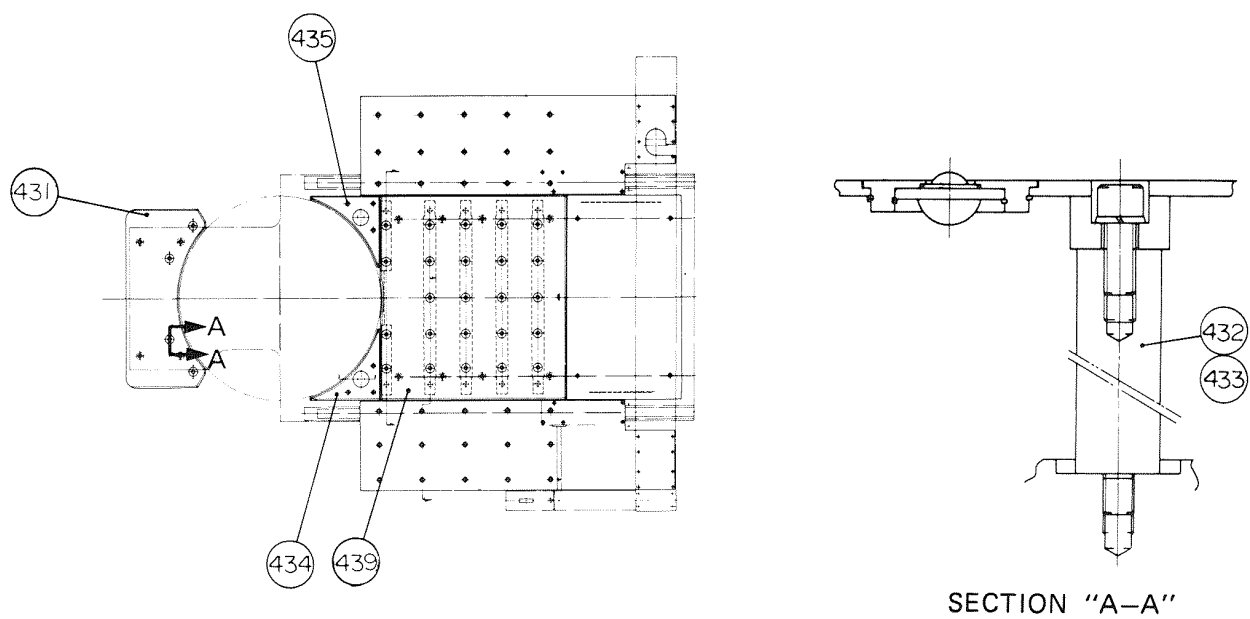
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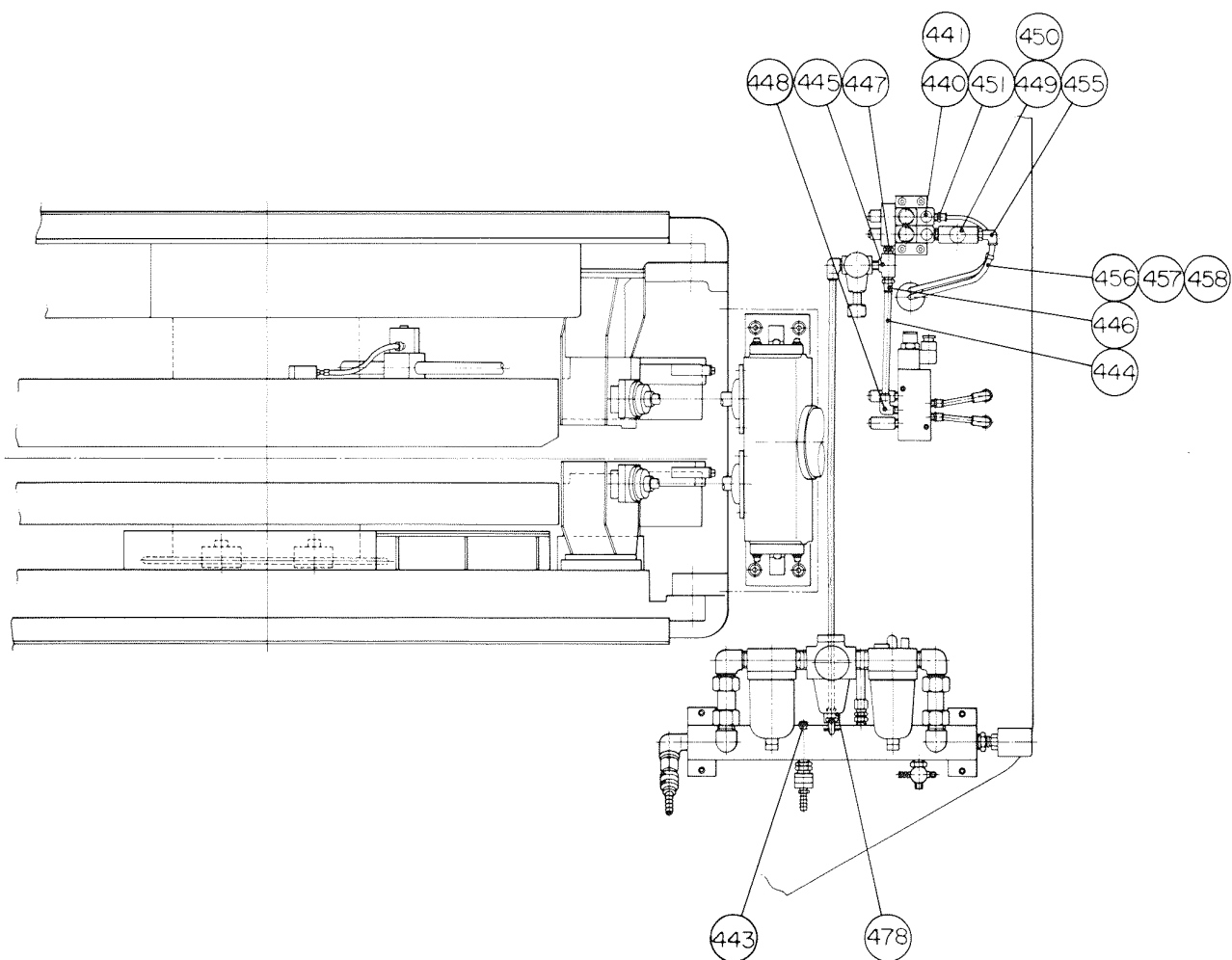
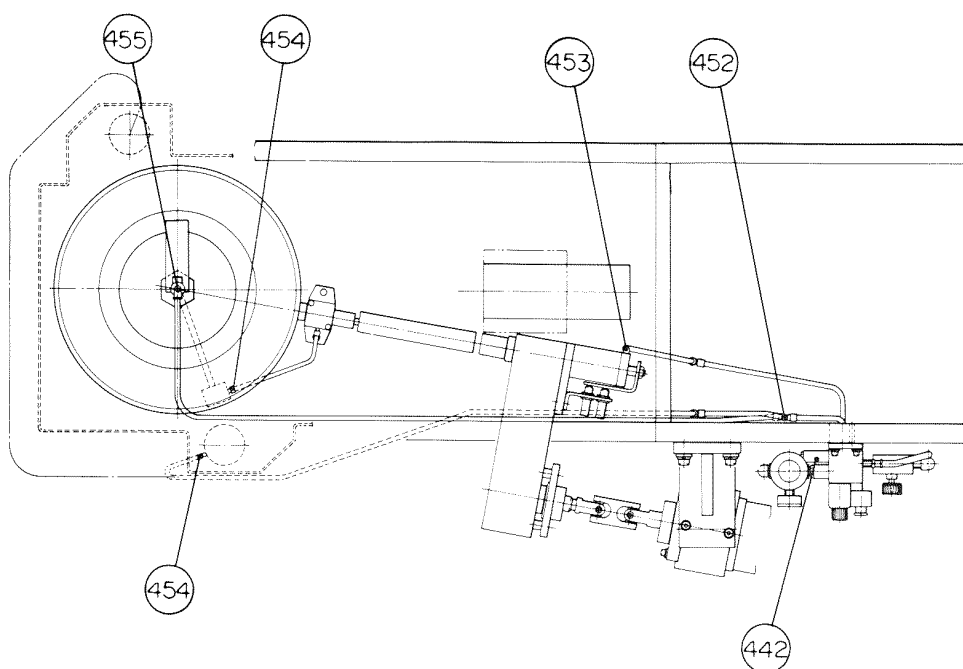
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From serial No. P3450057 and after.

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Unit No. 15
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Unit No. 15

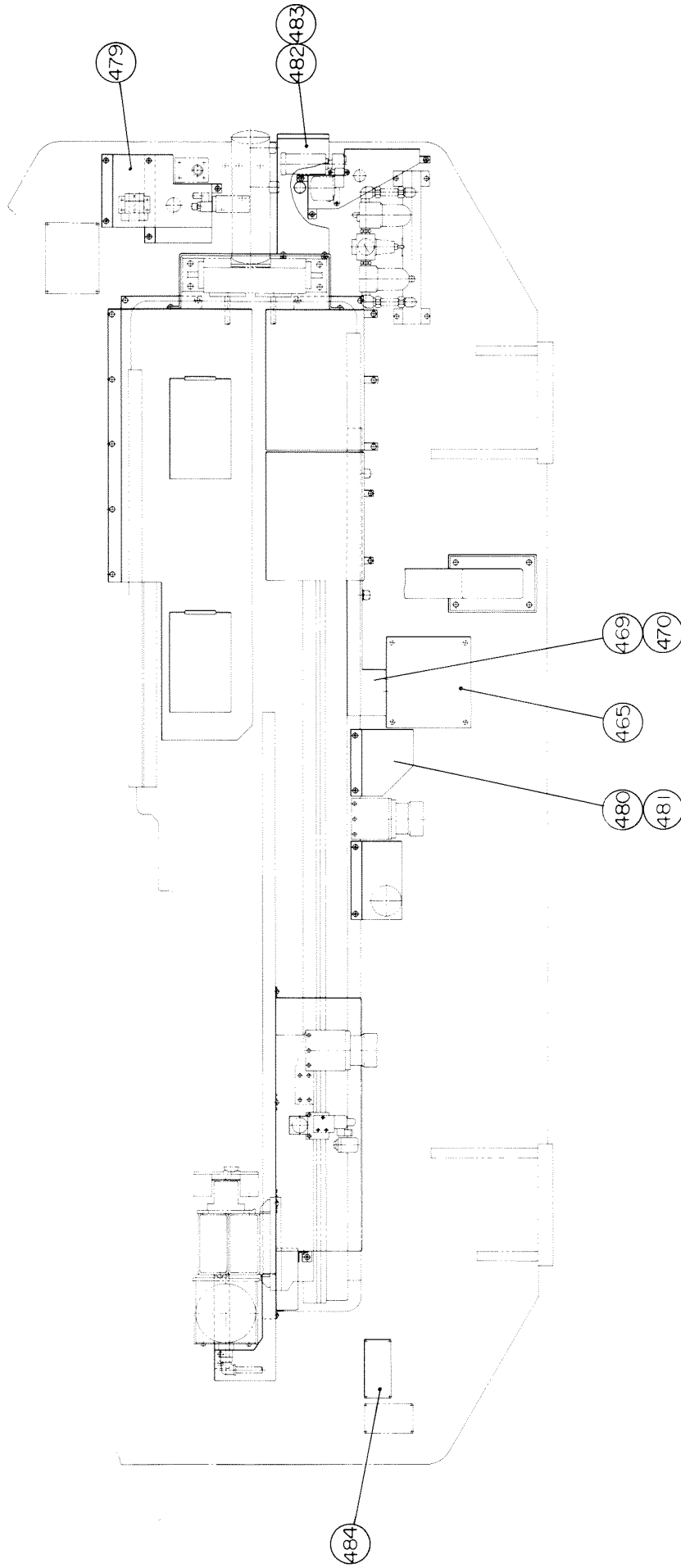
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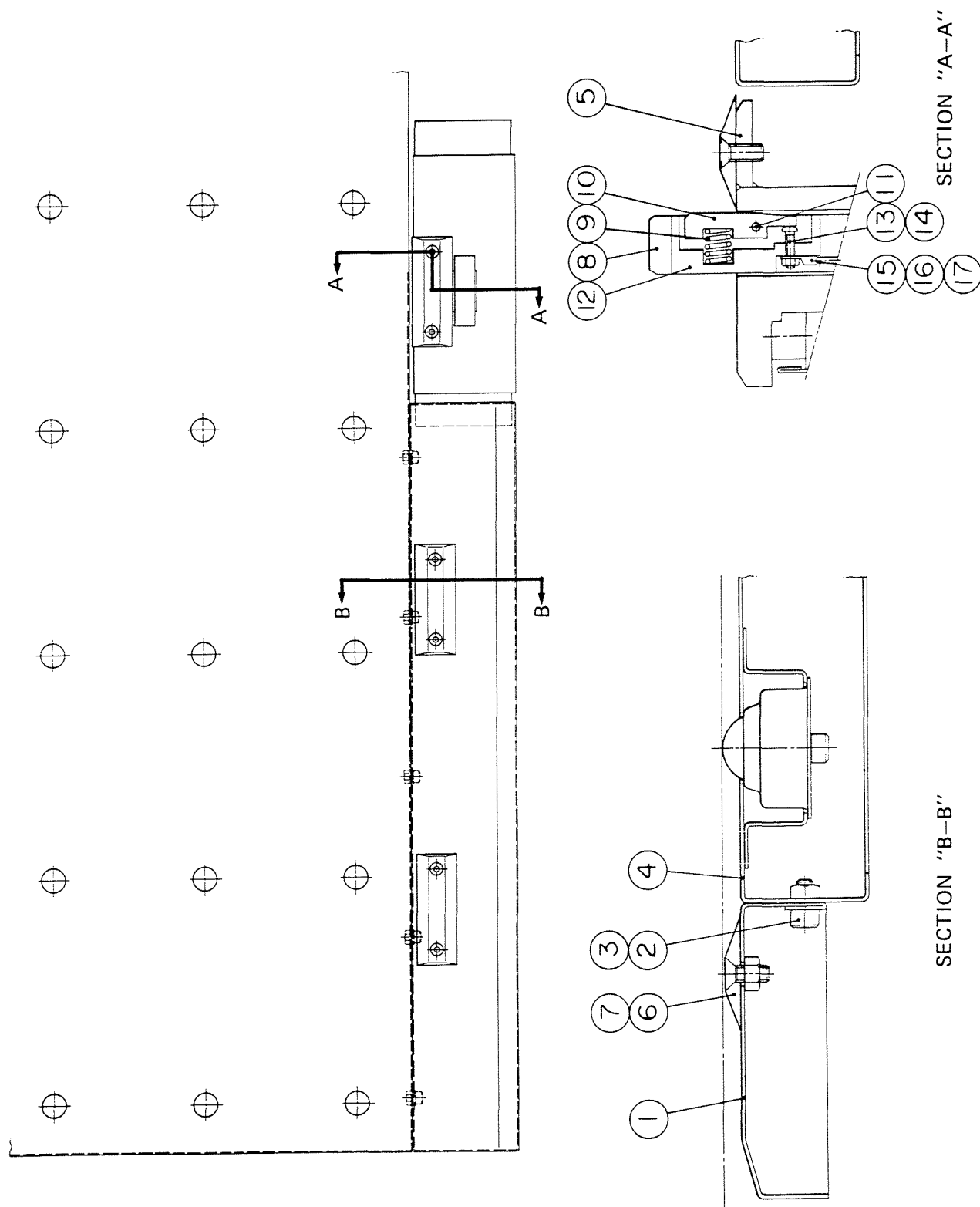


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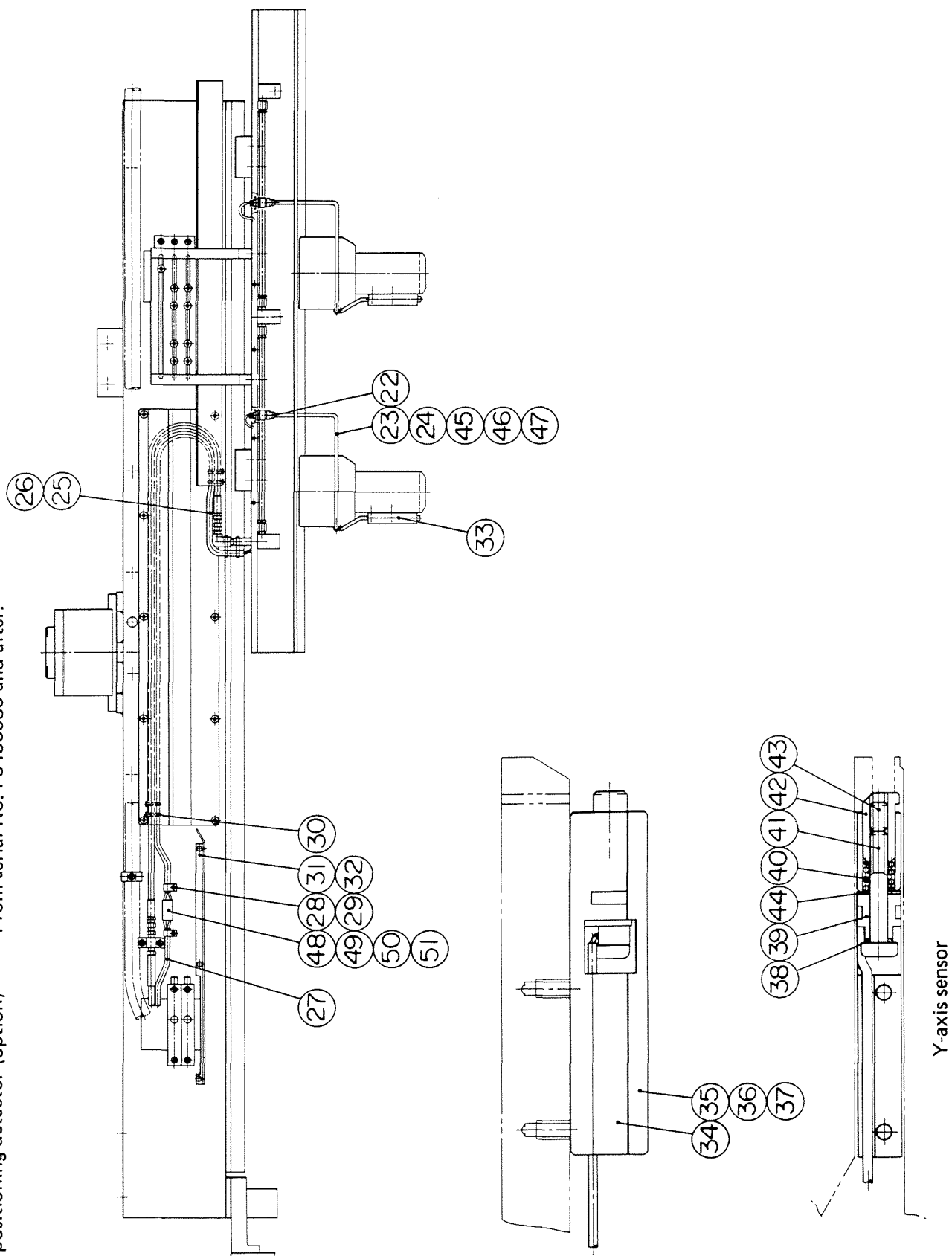
Unit No. 16

Work positioning detector (option)

From serial No. P3450080 and after.

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Unit No. 16
Work positioning detector (option) From serial No. P3450080 and after.



Unit No. **16**
Work positioning detector (option)

From serial No. P3450080 and after.

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