

# PARTS LIST

SERIAL NUMBER: 70485

**When Ordering Parts:**  
When ordering parts, be certain to give the machine model, serial number and code number (or part callout number) to your local distributor or our representative office.

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SLANT TURN-25,30 ATC  
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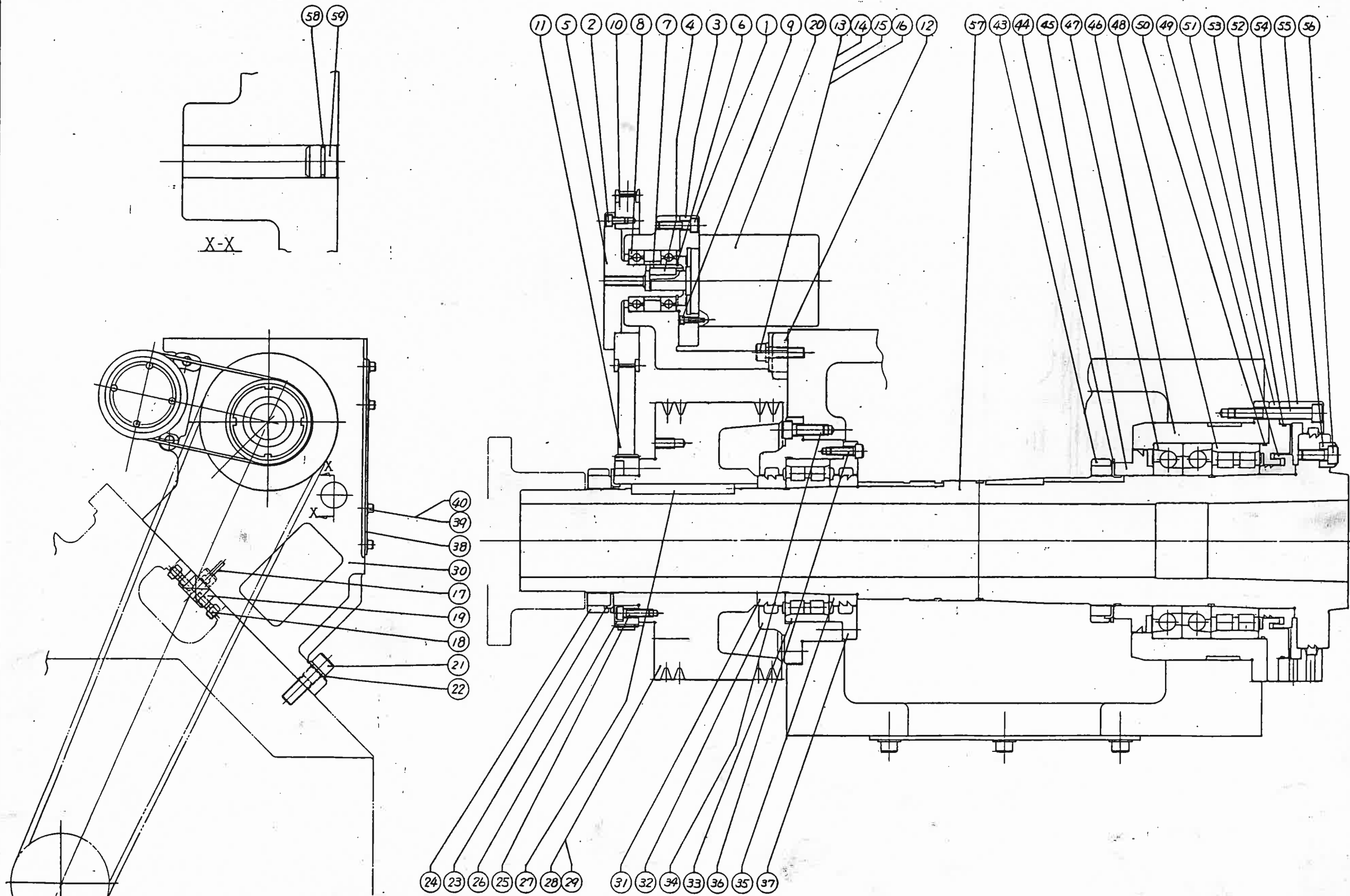
MECHANICAL PARTS LIST

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[ (\*) ... For Factory Automation ]



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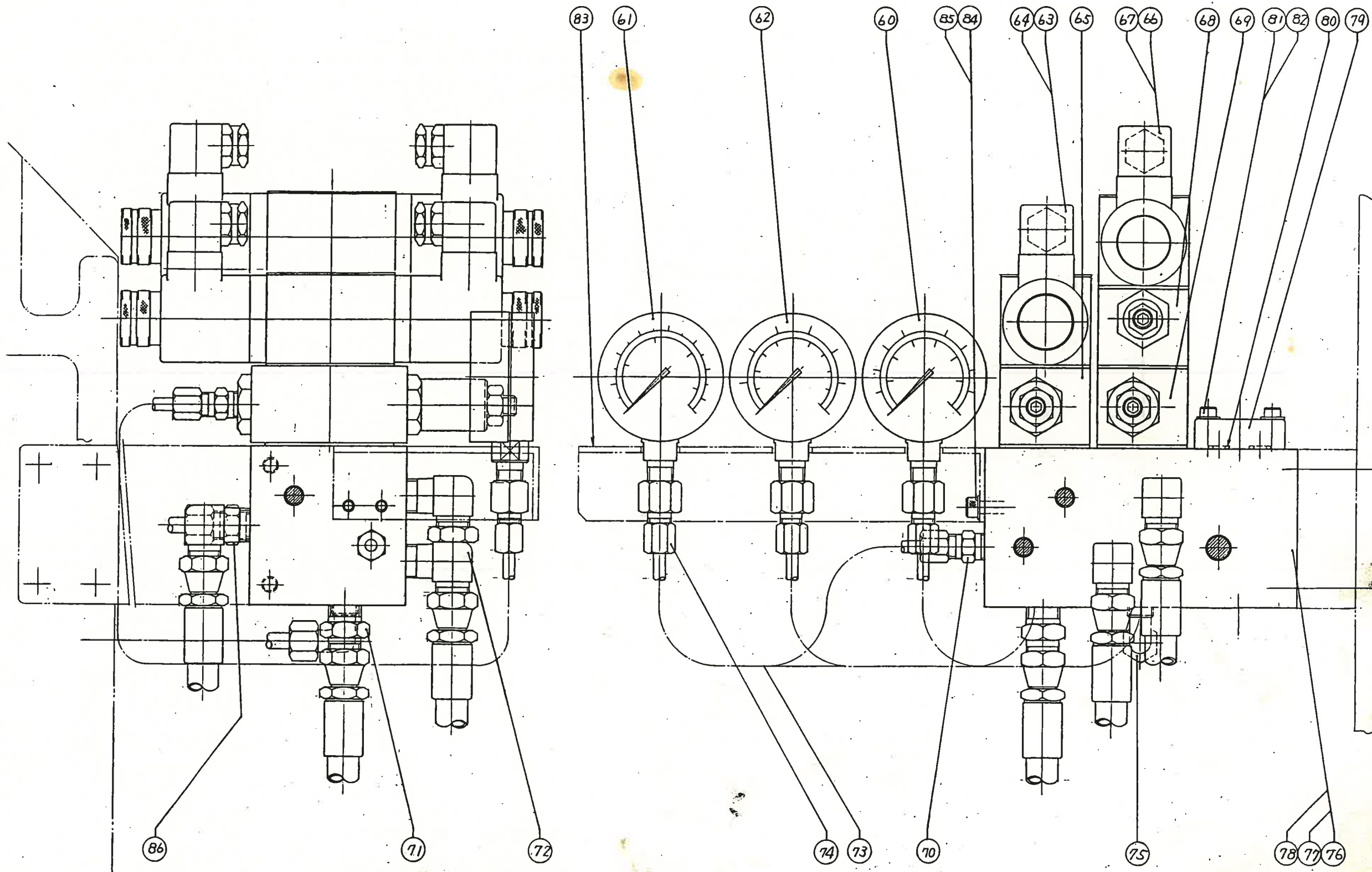
SPECIFICATION  
APPLY

ASSEMBLY NAME : HEADSTOCK ASS'Y

DRAWING NO : 017101A0080

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SPECIFICATION  
APPLY :

ASSEMBLY  
NAME : HEADSTOCK ASS'Y

DRAWING NO : 117101A0090

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## HEADSTOCK ASS'Y(S.T.D.) (1/2) (3000 rpm) (ST-25)

List No. 51710102200

No.	Parts No.	Parts name	Q'ty	Remarks
1	A06CB060250	Skt. HD. cap scr.	4	M6×25
2	A06CB050100	Skt. HD. cap scr.	4	M5×10
3	31540106570	Adaptor	1	
4	A1405050200	Key	1	
5	31410117222	Shaft	1	
6	A35000S0250	Retain ring	1	S-25
7	41540106560	Spacer	1	
8	E0006005ZZ0	Ball bearing	2	6005ZZ (NTN)
9	A06CB030160	Skt. HD. cap scr.	4	M3×16
10	31410117210	Pulley	1	
11	L08MH000160	Belt	1	322L-050 (MITSUBOSHI)
12	31710132401	Bracket	1	
13	A06CB080300	Skt. HD. cap scr.	2	M8×30
14	A43JJ00M080	Spring washer	2	M8
15	41540100730	Washer	1	
16	A41JJ00M080	Washer	1	M8
17	A06CB080350	Skt. HD. cap scr.	1	M8×35
18	41110100711	Bolt	2	
19	41110118871	Adjusting block	1	
20				
21	A06CB200700	Skt. HD. cap scr.	7	M20×70
22	A43JJ00M200	Spring washer	7	M20
23	41410117340	Washer	1	
24	41540109291	Lock nut	1	M8OP1.5
25	A06CB060200	Skt. HD. cap scr.	4	M6×20
26	31410117200	Pulley	1	
27	41410131130	Key	1	10×8×80
28	21710136350	Pulley	1	20.25rp,3000RPM
29				
30	11710136180	Headstock	1	
31	31410131060	Collar	1	
32	21710136340	Housing	1	
33	F04NP000770	W. roller bearing	1	NN3016KCC1P5 (NSK)
34	A06CB080250	Skt. HD. cap scr.	3	M8×25
35	41410128770	Collar	1	
36	A06CB060200	Skt. HD. cap scr.	2	M6×20
37	31410132000	Retainer	1	
38	41710135960	Cover	1	
39	A06CB080160	Skt. HD. cap scr.	6	M8×16
40	A43JJ00M080	Spring washer	6	M8

## HEADSTOCK ASS'Y(S.T.D.) (1/2) (3000 rpm) (ST-25)

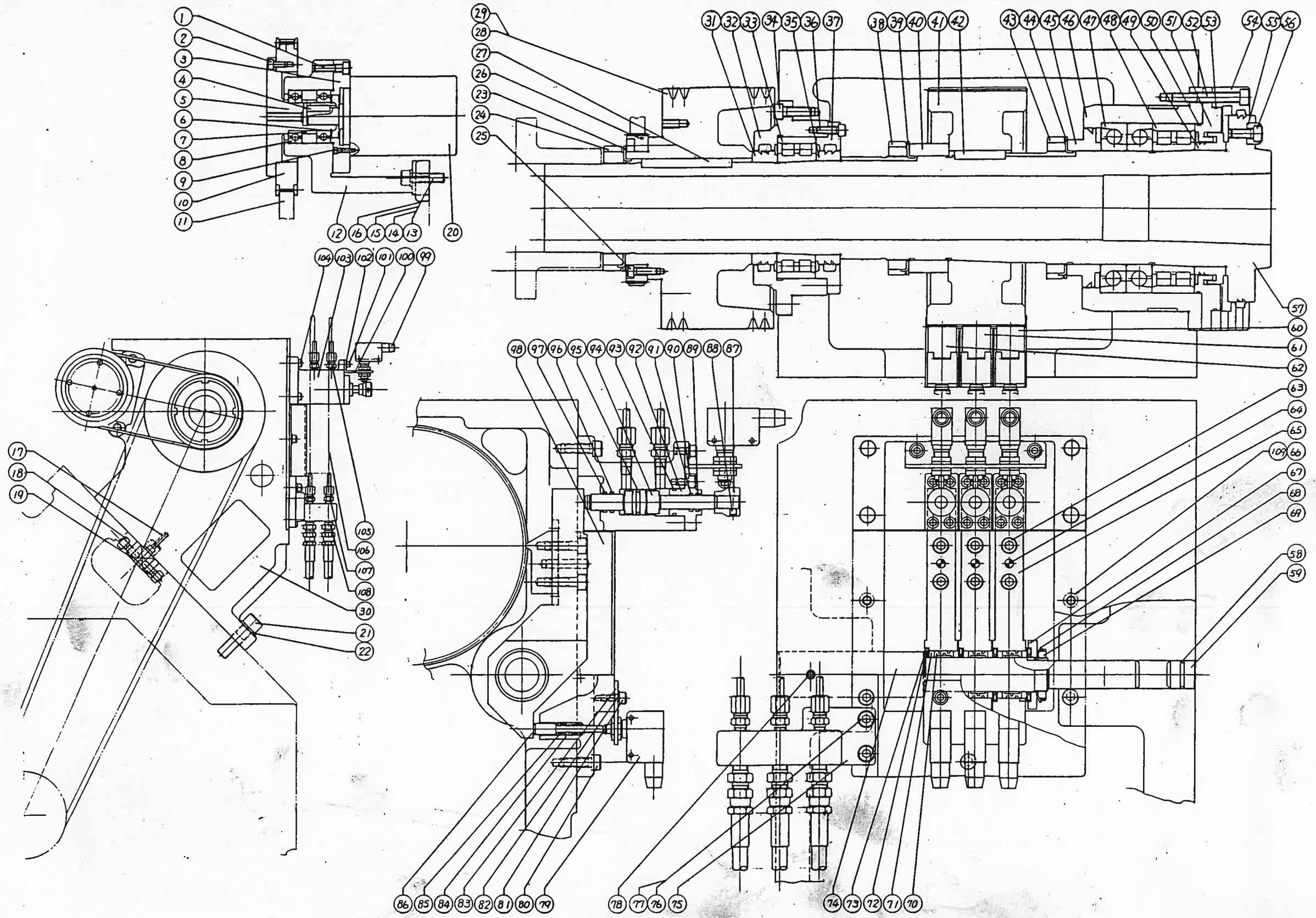
List No. 51710102200

No.	Parts No.	Parts name	Q'ty	Remarks
41				
42				
43	41540110390	Lock nut	1	M100P-1.5
44	41410119931	Washer	1	
45	41410128800	Spacer	1	
46	21410128791	Housing	1	
47	F02NP001310	Assy ang. c. ball brg.	1	100BA10×DBLP4A
48	F04NP000140	W. roller bearing	1	NN3020KMCC9P4
49	41540109222	Labyrinth collar	1	
50	J2600S15000	O-ring	1	S150
51	21410131912	Bearing retainer	1	
52	A06CB080600	Skt. HD. cap scr.	4	M8×60
53		Rubber	1	φ2-600 or S180
54	21410131921	Seal cover	1	
55	41540100690	Spindle pin	1	
56	A06FU080200	Skt. HD. cap scr.	1	M8×20
57	01710136209	Spindle	1	
58	J2600P02100	O-ring	1	P21
59	41710136820	Cap	1	
60	41446037120	Pressure gauge	1	Shifter
61	41146012480	Pressure gauge	1	Main
62	41506012511	Pressure gauge	1	Chuck
63	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11 (NACHI)
64	A06CB050850	Skt. HD. cap scr.	4	M5×85
65	G11FH000880	Reducing valve	1	OG-G01-PC-K-5544B (NACHI)
66	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11 (NACHI)
67	A06CB051250	Skt. HD. cap scr.	4	M5×125
68	G17FH000450	Flow regulator	1	OCY-G01-W-Y-11 (NACHI)
69	G11FH000530	Reducing valve	1	OG-G01-P1-K-11 (NACHI)
70	H23NN000250	Nipple	3	PA6PT1/4 (NTN)
71	H28TQ120060	Adaptor	1	12-0606 (TOKAI)
72	H28TQ130060	Adaptor	3	13-0606 (TOKAI)
73		Stainless pipe	1	φ6×1200
74	H23NN000380	Nipple	3	PZA6PT1/4 (NTN)
75	H23NN000060	Elbow	1	PB8PT1/4 (NTN)
76	11710133161	Manifold	1	
77	H3600001S80	Skt. pipe plug	4	PT1/8
78	H3600001S40	Skt. pipe plug	3	PT1/4
79	41615230810	Plate	1	
80	J2600P00800	O-ring	4	P8

## HEADSTOCK ASS'Y (S.T.D.) (2/2) (3000 rpm) (ST-25)

List No. 51710102200

No.	Parts No.	Parts name	Q'ty	Remarks
81	A06CB050300	Skt. HD. cap scr.	4	M5×30
82	A41JJ00M050	Washer	4	M5
83	31710135970	Bracket	1	
84	A06CB060140	Skt. HD. cap scr.	2	M6×14
85	A41JJ00M060	Washer	2	M6
86	H23NN000080	Nipple	1	PA8PT1/4
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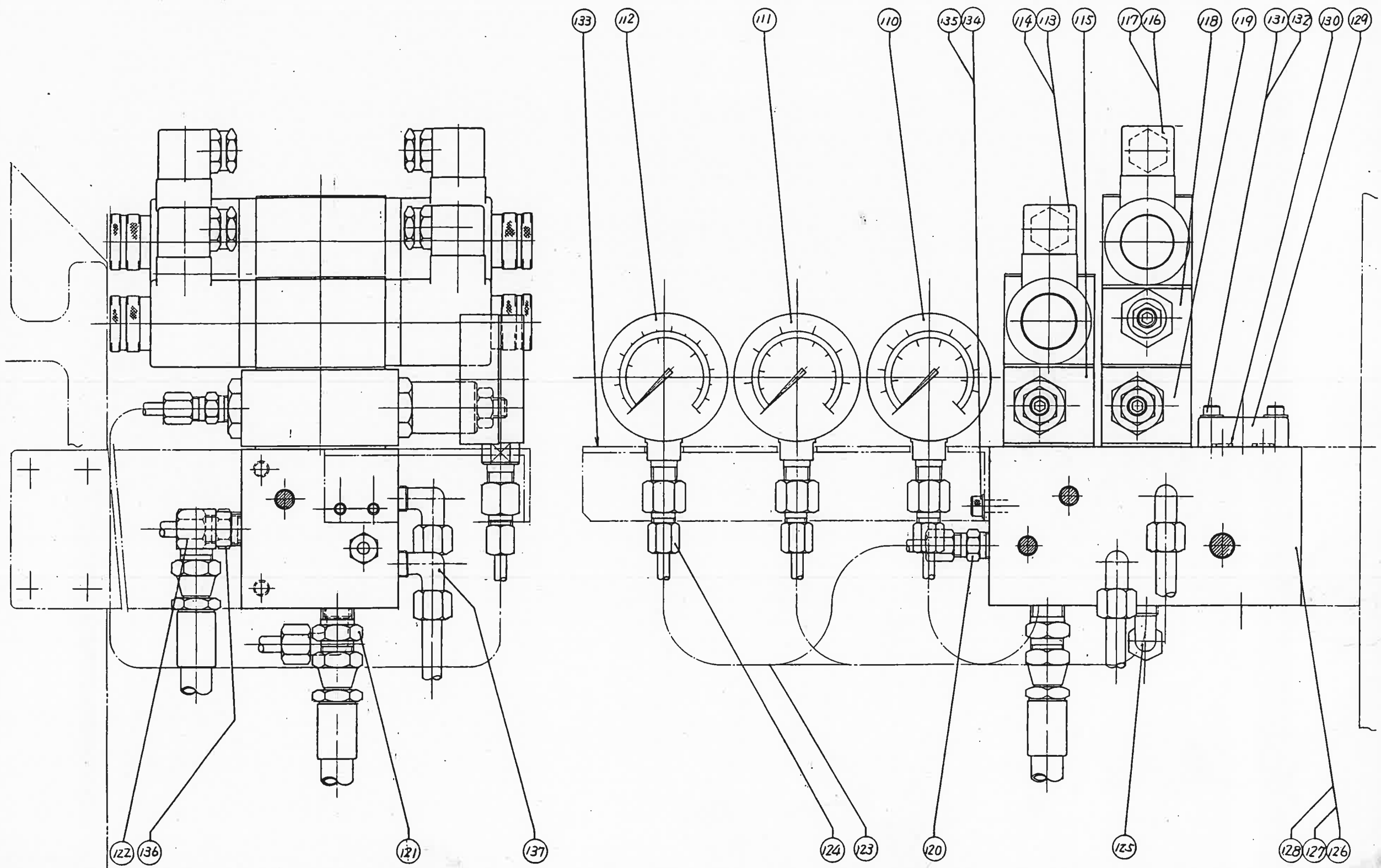
SPECIFICATION APPLY : (1° dividing) (3000 rpm)

ASSEMBLY NAME : HEADSTOCK ASS'Y

DRAWING NO : 017201A0010

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SPECIFICATION APPLY : (1° dividing) (3000 rpm)

ASSEMBLY NAME : HEADSTOCK ASS'Y

DRAWING NO : 017201A0020

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1°-INDEX TYPE HEADSTOCK ASS'Y(1/2) (3000 rpm) (ST-25)				List No. 51720100100
No.	Parts No.	Parts name	Q'ty	Remarks
1	A06CB060250	Skt. HD. cap scr.	4	M6×25
2	A06CB050100	Skt. HD. cap scr.	4	M5×10
3	31540106570	Adaptor	1	
4	A1405050200	Key	1	
5	31410117222	Shaft	1	
6	A35000S0250	Retain ring	1	S-25
7	41540106560	Spacer	1	
8	E0006005ZZ0	Ball bearing	2	6005ZZ (NTN)
9	A06CB030160	Skt. HD. cap scr.	4	M3×16
10	31410117210	Pulley	1	
11	L08MH000160	Belt	1	322L-050 (MITSUBOSHI)
12	31710132401	Bracket	1	
13	A06CB080300	Skt. HD. cap scr.	2	M8×30
14	A43JJ00M080	Spring washer	2	M8
15	41540100730	Washer	1	
16	A41JJ00M080	Washer	1	M8
17	A06CB080350	Skt. HD. cap scr.	1	M8×35
18	41110100711	Bolt	2	
19	41110118871	Adjustable block	1	
20				
21	A06CB200700	Skt. HD. cap scr.	7	M20×70
22	A43JJ00M200	Spring washer	7	M20
23	41410117340	Washer	1	
24	41540109291	Lock nut	1	M80×1.5
25	A06CB060200	Skt. HD. cap scr.	4	M6×20
26	31410117200	Pulley	1	
27	41410131130	Key	1	10×8×80
28	21710136350	Pulley	1	20.251P,300RPM
29				
30	11710136180	Headstock	1	
31	31410131060	Collar	1	
32	21710136340	Housing	1	
33	F04NP000770	W. roller bearing	1	NN3016KCC1P5 (NSK)
34	A06CB080250	Skt. HD. cap scr.	3	M8×25
35	41410128770	Collar	1	
36	A06CB060200	Skt. HD. cap scr.	2	M6×20
37	31410132000	Retainer	1	
38	31710133190	Nut	1	M92 P-1.5
39	31710133180	Washer	1	
40	41710133200	Collar	1	

1°-INDEX TYPE HEADSTOCK ASS'Y(1/2) (3000 rpm) (ST-25)				List No. 51720100100
No.	Parts No.	Parts name	Q'ty	Remarks
41	31710136260	Gear	1	
42	A1401008450	Key	1	10×8×45
43	41540110390	Nut	1	M100P-1.5
44	41410119931	Washer	1	
45	41410128800	Spacer	1	
46	21410128791	Housing	1	
47	F02NP001310	Assy ang. c. ball brg.	1	100BA10×DBLP4A (NSK)
48	F04NP000140	W. roller bearing	1	NN3020KMCC9P4 (NSK)
49	41540109222	Labyrinse collar	1	
50	J2600S15000	O-ring	1	S150
51	21410131912	Bearing retainer	1	
52	A06CB080600	Skt. HD. cap scr.	4	M8×60
53		Rubber	1	φ2-600 or S180
54	21410131921	Seal cover	1	
55	41540100690	Spring pin	1	
56	A06FU080200	Skt. HD. cap scr.	1	M8×20
57	01710132411	Spindle	1	
58	J2600P02100	O-ring	1	P21
59	41710136820	Cap	1	
60	31710136280	Jaw	1	+1°
61	31710134980	Jaw	1	0°
62	31710136270	Jaw	1	-1°
63	A06CB080250	Skt. HD. cap scr.	6	M8×25
64	A11008X0400	Taper pin	3	φ8×36
65	21710136200	Arm	3	
66	A06CB080160	Skt. HD. cap scr.	2	M8×16
67	41584205930	Cover	1	
68	A34000AW060	Bearing LK. washer	1	AW-06
69	A33000AN060	Bearing LK. nut	1	AN-06
70	F12NN000010	Niddle bearing	3	RNA4905S (NTN)
71	41584205910	Spacer	6	
72	E00AXK11060	Thrust bearing	4	A×1106 (NTN)
73	E000AS11060	Thrust washer	8	AS1106 (NTN)
74	31710136210	Shaft	1	
75	21710136750	Manifold	1	
76	A06CB080300	Skt. HD. cap scr.	2	M8×30
77		Stainless pipe	1	φ8
78	A15D08X0140	Skt. set scr.	4	M8×14 (Cup p.)
79	R25YB001180	Micro switch	3	SL1-HK (YAMATAKE)
80	A06CB080250	Skt. HD. cap scr.	3	M8×25

1°-INDEX TYPE HEADSTOCK ASS'Y(2/2) (3000 rpm) (ST-25)					List No. 51720100100
No.	Parts No.	Parts name	Q'ty	Remarks	
81	A06CB060140	Skt. HD. cap scr.	2	M6×14	
82	A43JJ00M060	Spring washer	2	M6	
83	41710135020	Bracket	1		
84	21710136240	Cover	1		
85	41584205920	Spring	3		
86	41710136370	Pin	3		
87	41710135030	Dog	3		
88	A15B06X0060	Skt. set scr.	6	M6×6 (Flat p.)	
89	J04SH001060	Scraper	3	SER-12 (SAKAGAMI)	
90	A06CB060100	Skt. HD. cap scr.	12	M6×10	
91	J2600P01200	O-ring	3	P-12	
92	41710136250	Cover	3		
93	J2600P02000	O-ring	3	P-12	
94	31710135000	Piston	3		
95	J2600P01800	O-ring	3	P-18	
96	J2600P01400	O-ring	3	P-14	
97	J04SH001050	Scraper	3	SER-14 (SAKAGAMI)	
98	31710136230	Cover	1		
99	R25YB001110	Micro switch	3	SK1-EK (YAMATAKE)	
100	41710135010	Bracket	1		
101	A06CB060140	Skt. HD. cap scr.	2	M6×14	
102	A43JJ00M060	Spring washer	2	M6	
103	11710136190	Housing	1		
104	A06CB080250	Skt. HD. cap scr.	4	M8×25	
105	H23NN000100	Pipe fitting	6	PA6PT1/8 (NTN)	
106		Stainless pipe	1	φ6	
107	H23NN000100	Pipe fitting	6	PA6PT1/8 (NTN)	
108	H28TQ120040	Adaptor	6	12-0404 (TOKAI)	
109	A43JJ00M080	Spring washer	2	M8	
110	41446037120	Pressure gauge	1	Shifter	
111	41146012480	Pressure gauge	1	Main	
112	41506012511	Pressure gauge	1	Chuck	
113	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11 (NACHI)	
114	A06CB050850	Skt. HD. cap scr.	4	M5×85	
115	G11FH000880	Reducing valve	1	OG-G01-PC-K-5544B (NACHI)	
116	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11 (NACHI)	
117	A06CB051250	Skt. HD. cap scr.	4	M5×125	
118	G17FH000450	Flow regulator	1	OCY-G01-W-Y-11 (NACHI)	
119	G11FH000530	Reducing valve	1	OG-G01-P1-K-11 (NACHI)	
120	H23NN000250	Nipple	3	PA6PT1/4 (NTN)	

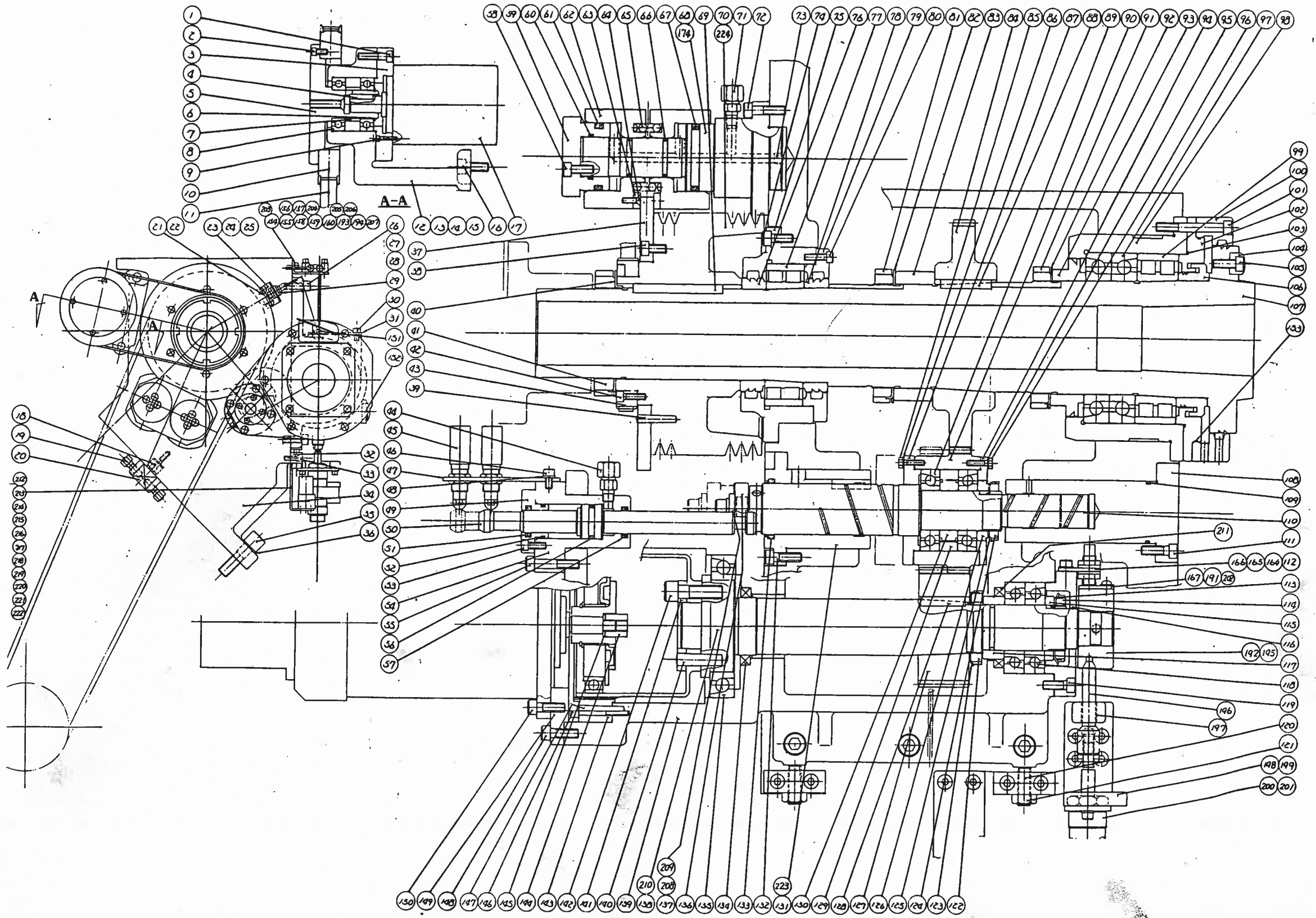
1°-INDEX TYPE HEADSTOCK ASS'Y(2/2) (3000 rpm) (ST-25)					List No. 51720100100
No.	Parts No.	Parts name	Q'ty	Remarks	
121	H28TQ120060	Adaptor	1	12-0606 (TOKAI)	
122	H28TQ130060	Adaptor	1	13-0606 (TOKAI)	
123		Stainless pipe	1	φ6×1200	
124	H23NN000380	Nipple	3	PZA6PT1/4 (NTN)	
125	H23NN000060	Elbow	1	PB8PT1/4 (NTN)	
126	11710133161	Manifold	1		
127	H3600001S80	Skt. pipe plug	4	PT1/8	
128	H3600001S40	Skt. pipe plug	2	PT1/4	
129	41615230810	Plate	1		
130	J2600P00800	O-ring	4	P8	
131	A06CB050300	Skt. HD. cap scr.	4	M5×30	
132	A41JJ00M050	Washer	4	M5	
133	31710135970	Bracket	1		
134	A06CB060140	Skt. HD. cap scr.	2	M6	
135	A41JJ00M060	Washer	2	M6	
136	H23NN000080	Nipple	1	PA8PT1/4 (NTN)	
137	H23NN000140	Elbow	2	PB10PT3/8 (NTN)	

1°-INDEX TYPE HEADSTOCK ASS'Y(1/2) (3000 rpm) (ST-25)					List No. 51720100100
No.	Parts No.	Parts name	Q'ty	Remarks	
1	A06CB060250	Skt. HD. cap scr.	4	M6×25	
2	A06CB050100	Skt. HD. cap scr.	4	M5×10	
3	31540106570	Adaptor	1		
4	A1405050200	Key	1		
5	31410117222	Shaft	1		
6	A35000S0250	Retain ring	1	S-25	
7	41540106560	Spacer	1		
8	E0006005ZZ0	Ball bearing	2	6005ZZ (NTN)	
9	A06CB030160	Skt. HD. cap scr.	4	M3×16	
10	31410117210	Pulley	1		
11	L08MH000160	Belt	1	322L-050 (MITSUBOSHI)	
12	31710132401	Bracket	1		
13	A06CB080300	Skt. HD. cap scr.	2	M8×30	
14	A43JJ00M080	Spring washer	2	M8	
15	41540100730	Washer	1		
16	A41JJ00M080	Washer	1	M8	
17	A06CB080350	Skt. HD. cap scr.	1	M8×35	
18	41110100711	Bolt	2		
19	41110118871	Adjustable block	1		
20					
21	A06CB200700	Skt. HD. cap scr.	7	M20×70	
22	A43JJ00M200	Spring washer	7	M20	
23	41410117340	Washer	1		
24	41540109291	Lock nut	1	M80×P1.5	
25	A06CB060200	Skt. HD. cap scr.	4	M6×20	
26	31410117200	Pulley	1		
27	41410131130	Key	1	10×8×80	
28					
29	21710136360	Pulley	1	20.25rp 4000RPM	
30	11710136180	Headstock	1		
31	31410131060	Collar	1		
32	21710136340	Housing	1		
33	F04NP000770	W. roller bearing	1	NN3016KCC1P5 (NSK)	
34	A06CB080250	Skt. HD. cap scr.	3	M8×25	
35	41410128770	Collar	1		
36	A06CB060200	Skt. HD. cap scr.	2	M6×20	
37	31410132000	Retainer	1		
38	31710133190	Nut	1	M92 P1.5	
39	31710133180	Washer	1		
40	41710133200	Collar	1		

1°-INDEX TYPE HEADSTOCK ASS'Y(1/2) (3000 rpm) (ST-25)					List No. 51720100100
No.	Parts No.	Parts name	Q'ty	Remarks	
41	31710136260	Gear	1		
42	A1401008450	Key	1	10×8×45	
43	41540110390	Lock nut	1	M100P-1.5	
44	41410119931	Washer	1		
45	41410128800	Spacer	1		
46	21410128791	Housing	1		
47	F02NP001310	Assy aug. c. ball brg.	1	100BA10×DB1P4A (NSK)	
48	F04NP000140	W. roller bearing	1	NN3020KMBCC9P4 (NSK)	
49	41540109222	Labyrinth collar	1		
50	J2600S15000	O-ring	1	S150	
51	21410131912	Bearing retainer	1		
52	A06CB080600	Skt. HD. cap scr.	4	M8×60	
53		Rubber	1	φ2-600 or S180	
54	21410131921	Seal cover	1		
55	41540100690	Spindle pin	1		
56	A06FU080200	Skt. HD. cap scr.	1	M8×20	
57	01710132411	Spindle	1		
58	J2600P02100	O-ring	1	P21	
59	41710136820	Cap	1		
60	31710136280	Jaw	1	+1°	
61	31710134980	Jaw	1	0°	
62	31710136270	Jaw	1	-1°	
63	A06CB080250	Skt. HD. cap scr.	6	M8×25	
64	A11008X0400	Taper pin	3	φ8×36	
65	21710136200	Arm	3		
66	A06CB080160	Skt. HD. cap scr.	2	M8×16	
67	41584205930	Cover	1		
68	A34000AW060	Bearing LK. washer	1	AW-06	
69	A33000AN060	Bearing LK. nut	1	AN-06	
70	F12NN000010	Idle bearing	3	RNA4905S (NTN)	
71	41584205910	Spacer	6		
72	E00AXK11060	Thrust bearing	4	A×1106 (NTN)	
73	E000AS11060	Thrust washer	8	AS1106 (NTN)	
74	31710136210	Shaft	1		
75	21710136750	Manifold	1		
76	A06CB080300	Skt. HD. cap scr.	2	M8×30	
77		Stainless pipe	1	φ8	
78	A15D08X0140	Skt. set scr.	4	M8×14 (Cup p.)	
79	R25YB001180	Micro switch	3	SL1-HK (YAMATAKE)	
80	A06CB080250	Skt. HD. cap scr.	3	M8×25	

1°-INDEX TYPE HEADSTOCK ASS'Y(2/2) (3000 rpm) (ST-25)				List No. 51720100100
No.	Parts No.	Parts name	Q'ty	Remarks
81	A06CB060140	Skt. HD. cap scr.	2	M6×14
82	A43JJ00M060	Spring washer	2	M6
83	41710135020	Bracket	1	
84	21710136240	Cover	1	
85	41584205920	Spring	3	
86	41710136370	Pin	3	
87	41710135030	Dog	3	
88	A15B06X0060	Skt. set scr.	6	M6×6 (Flat p.)
89	J04SH001060	Scraper	3	SER-12(SAKAGAMI)
90	A06CB060100	Skt. HD. cap scr.	12	M6×10
91	J2600P01200	O-ring	3	P-12
92	41710136250	Cover	3	
93	J2600P02000	O-ring	3	P-12
94	31710135000	Piston	3	
95	J2600P01800	O-ring	3	P-18
96	J2600P01400	O-ring	3	P-14
97	J04SH001050	Scraper	3	SER-14(SAKAGAMI)
98	31710136230	Cover	1	
99	R25YB001110	Micro switch	3	SL1-EK(YAMATAKE)
100	41710135010	Bracket	1	
101	A06CB060140	Skt. HD. cap scr.	2	M6×14
102	A43JJ00M060	Spring washer	2	M6
103	11710136190	Housing	1	
104	A06CB080250	Skt. HD. cap scr.	4	M8×25
105	H23NN000100	Pipe fitting	6	PA8PT1/8 (NTN)
106		Stainless pipe	1	φ6
107	H23NN000100	Pipe fitting	6	PA8PT1/8 (NTN)
108	H28TQ120040	Adaptor	6	12-0404 (TOKAI)
109	A43JJ00M080	Spring washer	2	M8
110	41446037120	Pressure gauge	1	Shifter
111	41146012480	Pressure gauge	1	Main
112	41506012511	Pressure gauge	1	Chuck
113	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11(NACHI)
114	A06CB050850	Skt. HD. cap scr.	4	M5×85
115	G11FH000880	Reducing valve	1	OG-G01-PC-K-5544B(NACHI)
116	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11(NACHI)
117	A06CB051250	Skt. HD. cap scr.	4	M5×125
118	G17FH000450	Flow regulator	1	OCY-G01-W-Y-11(NACHI)
119	G11FH000530	Reducing valve	1	OG-G01-P1-K-11(NACHI)
120	H23NN000250	Nipple	3	PA8PT1/4 (NTN)

1°-INDEX TYPE HEADSTOCK ASS'Y(2/2) (3000 rpm) (ST-25)				List No. 51720100100
No.	Parts No.	Parts name	Q'ty	Remarks
121	H28TQ120060	Adaptor	1	12-0606 (TOKAI)
122	H28TQ130060	Adaptor	1	13-0606 (TOKAI)
123		Stainless pipe	1	φ6×1200
124	H23NN000380	Nipple	3	PZA6PT1/4 (NTN)
125	H23NN000060	Elbow	1	PB8PT1/4 (NTN)
126	11710133161	Manifold	1	
127	H3600001S80	Skt. pipe plug	4	PT1/8
128	H3600001S40	Skt. pipe plug	2	PT1/4
129	41615230810	Plate	1	
130	J2600P00800	O-ring	4	P8
131	A06CB050300	Skt. HD. cap scr.	4	M5×30
132	A41JJ00M050	Washer	4	M5
133	31710135970	Bracket	1	
134	A06CB060140	Skt. HD. cap scr.	2	M6
135	A41JJ00M060	Washer	2	M6
136	H23NN000080	Nipple	1	PA8PT1/4 (NTN)
137	H23NN000140	Elbow	2	PB10PT3/8 (NTN)

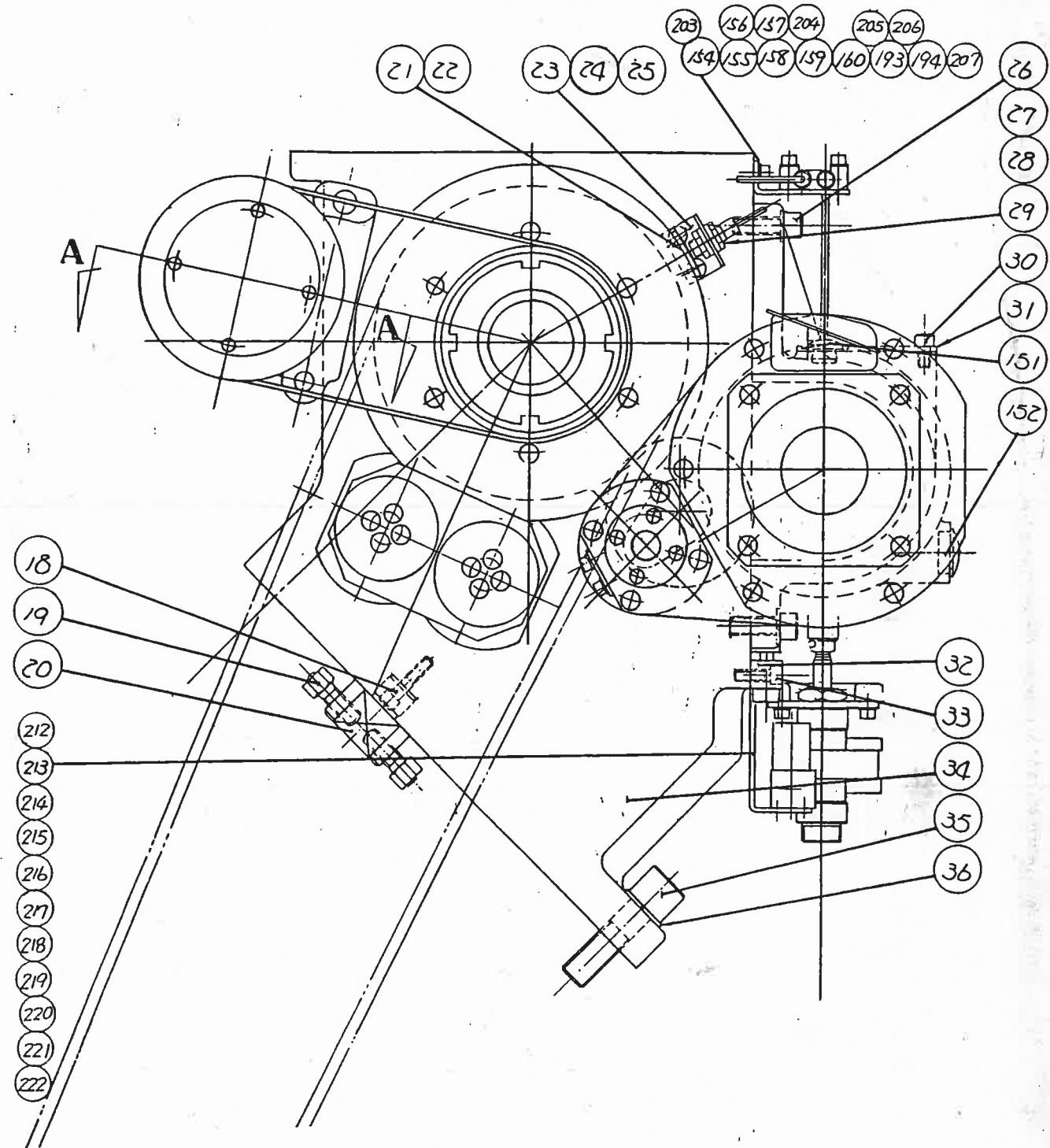
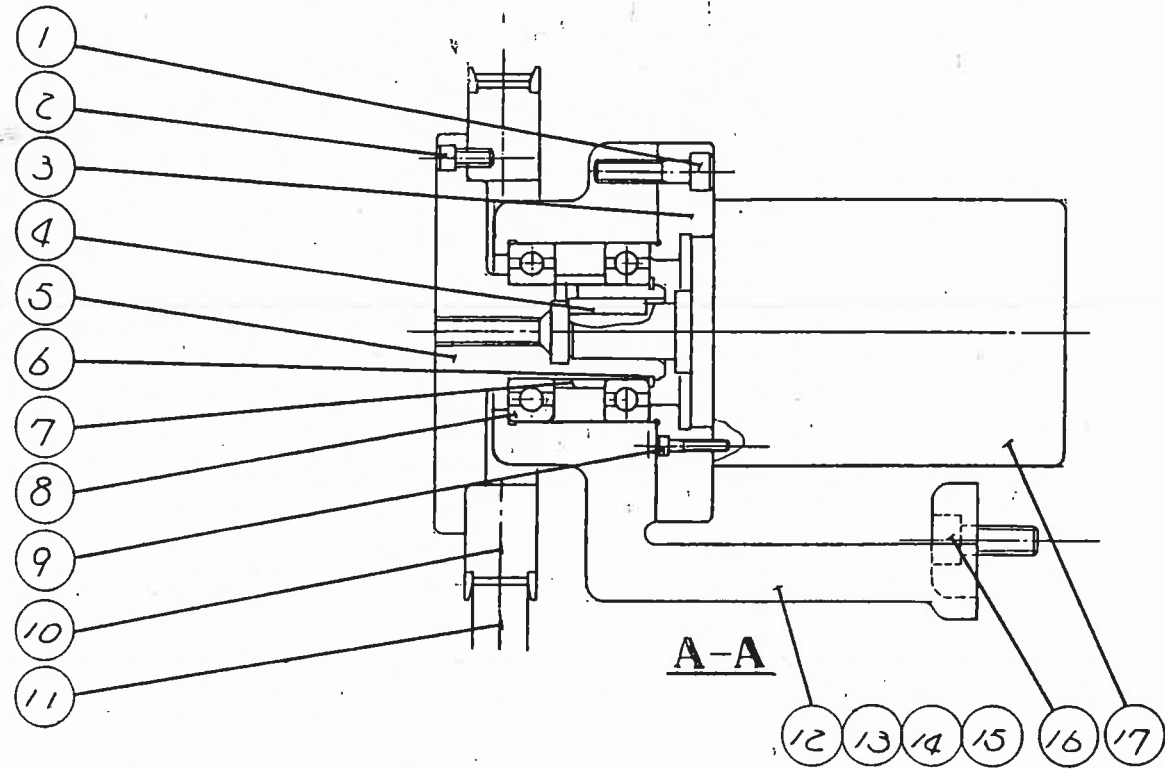


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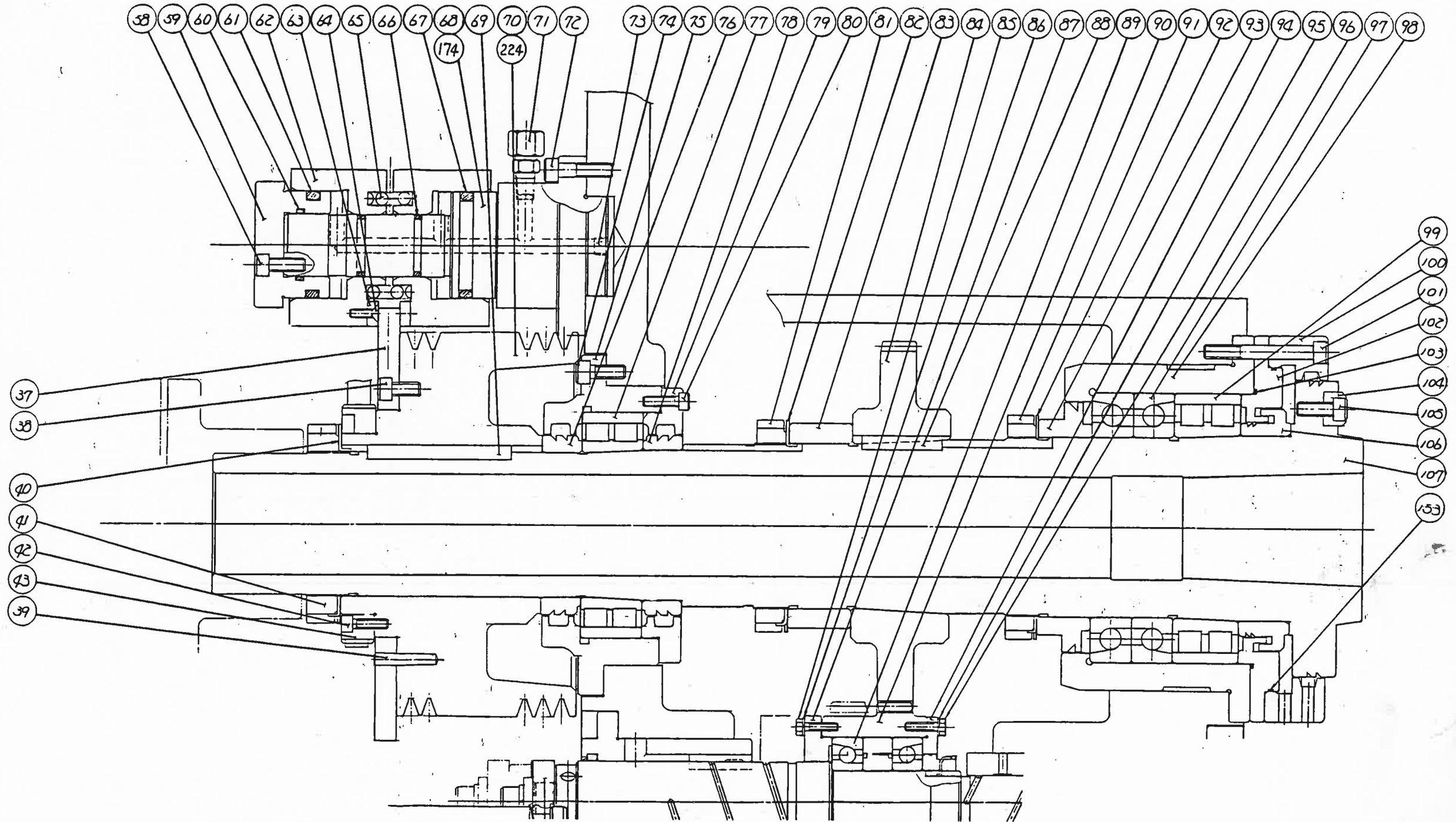
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ASSEMBLY NAME : C-AXIS EQUIPPED HEADSTOCK ASS'Y

DRAWING NO : 017201A0030



<b>Mazak</b>	SPECIFICATION APPLY : (3000 rpm)	ASSEMBLY NAME : C-AXIS EQUIPPED HEADSTOCK ASS'Y	Page
		DRAWING NO : 017201A0030	1-16-1



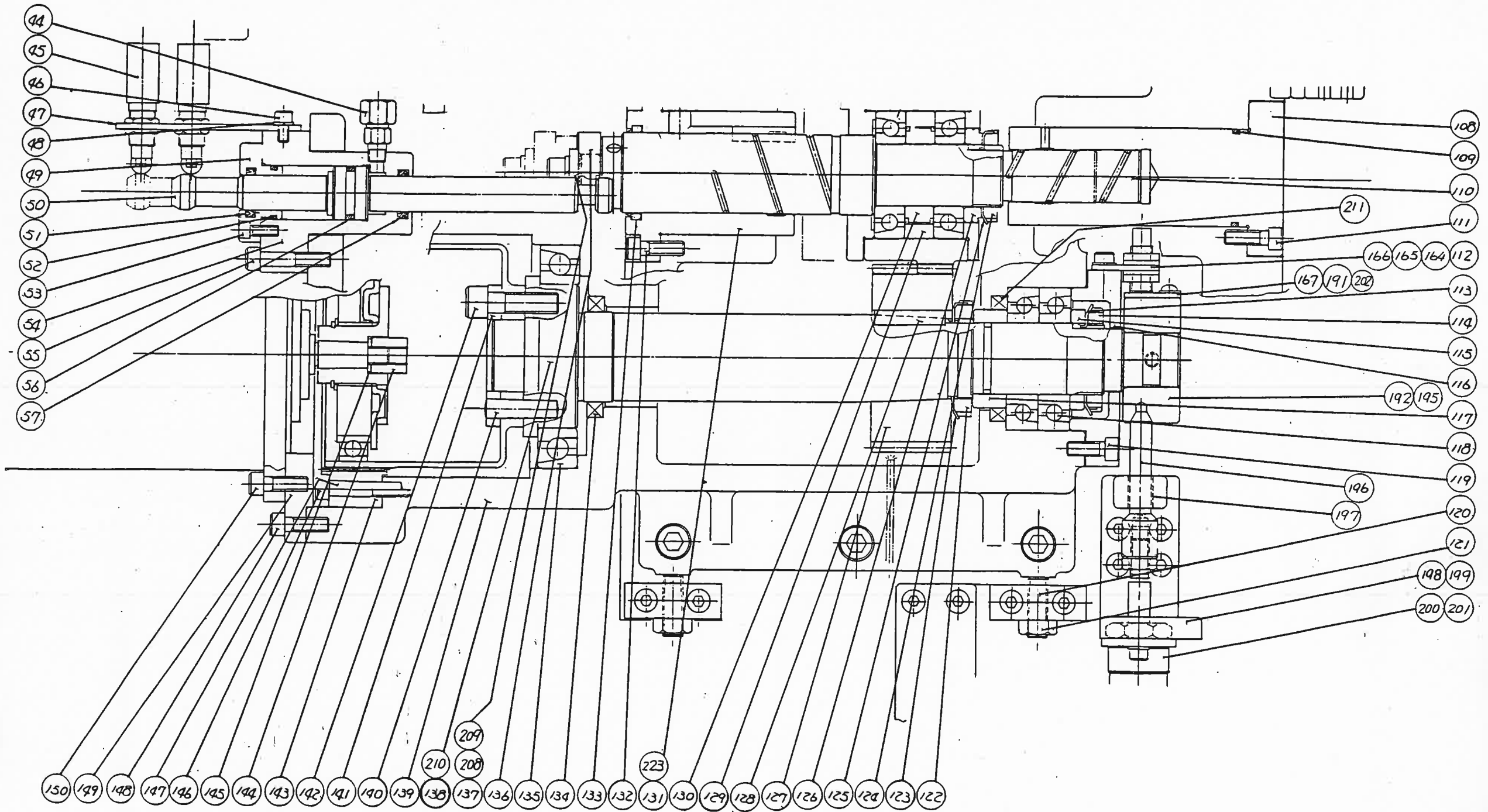
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SPECIFICATION APPLY : (3000 rpm)

ASSEMBLY NAME : C-AXIS EQUIPPED HEADSTOCK ASS'Y

DRAWING NO : 017201A0030

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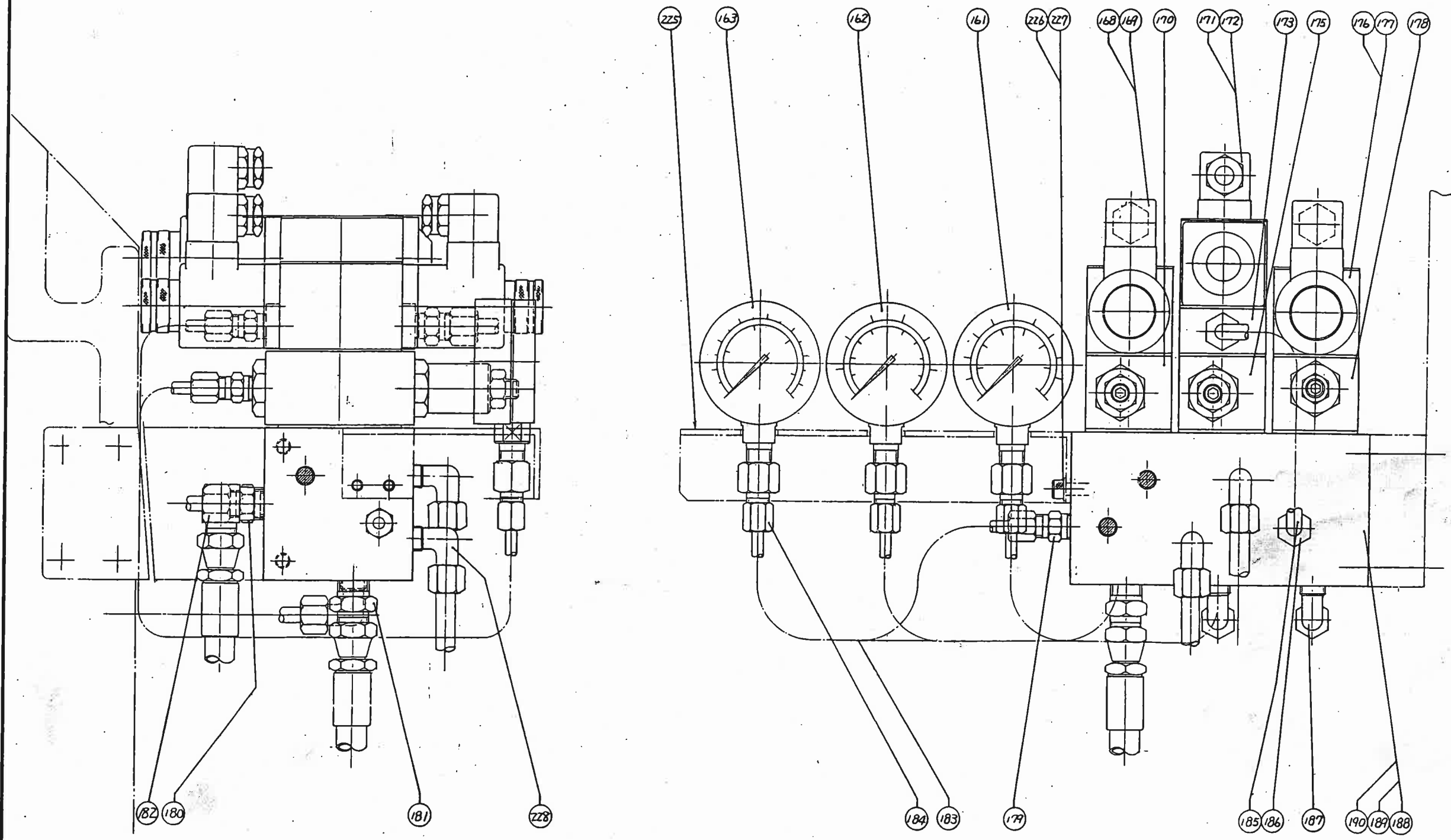
SPECIFICATION APPLY : (3000 rpm)

ASSEMBLY NAME : C-AXIS EQUIPPED HEADSTOCK ASS'Y

DRAWING NO : 017201A0030

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SPECIFICATION APPLY : (3000 rpm)

ASSEMBLY NAME : C-AXIS EQUIPPED HEADSTOCK ASS'Y

DRAWING NO : 017201A0040

## C-AXIS-EQUIPPED HEADSTOCK ASS'Y (1/3) (3000 rpm) (ST-25)

List No. 51720100400

No.	Parts No.	Parts name	Q'ty	Remarks
1	A06CB060250	Skt. HD. cap scr.	4	M6×25
2	A06CB050100	Skt. HD. cap scr.	4	M5×10
3	31540106570	Adaptor	1	
4	A1405050200	Key	1	
5	31410117222	Shaft	1	
6	A35000S0250	Retain ring	1	S-25
7	41540106560	Spacer	1	
8	E0006005ZZ0	Ball bearing	2	6005ZZ (NTN)
9	A06CB030160	Skt. HD. cap scr.	4	M3×16
10	31410117210	Pulley	1	
11	L08MH000160	Belt	1	322L-050 (MITSUBOSHI)
12	31710132401	Bracket	1	
13	A06CB080300	Skt. HD. cap scr.	2	M8×30
14	A43JJ00M080	Spring washer	2	M8
15	41540100730	Washer	1	
16	A06CB080200	Skt. HD. cap scr.	1	M8×20
17				
18	A06CB080350	Skt. HD. cap scr.	2	M8×35
19	41110100711	Bolt	2	
20	41110118871	Adjustable block	1	
21	41710132371	Dog	1	
22	A16B04X0080	Flat HD. cap scr.	1	M4×8
23	41710132380	Bracket	1	
24	A06CB080160	Skt. HD. cap scr.	2	M8×16
25	A41JJ00M080	Washer	2	M8
26	A06CB120350	Skt. HD. cap scr.	6	M12×35
27	A43JJ00M120	Spring washer	6	M12
28	H3600001S40	Skt. pipe plug	1	PT1/4
29	R26YB000980	Proximity switch	1	FLI-2D6-903(YAMATAKE)
30	A06CB080140	Skt. HD. cap scr.	4	M8×14
31	41710133410	Cover	1	
32	41780128550	Block	2	
33	A06CB080250	Skt. HD. cap scr.	4	M8×25
34	01710132424	Headstock	1	
35	A06CB200700	Skt. HD. cap scr.	7	M20×70
36	A43JJ00M200	Spring washer	7	M20
37	31710132071	Flywheel	1	
38	A06CB080160	Skt. HD. cap scr.	6	M8×16
39	A11F08X0360	Taper pin tap. e.	2	φ8×36
40	41410117340	Washer	1	

## C-AXIS-EQUIPPED HEADSTOCK ASS'Y (1/3) (3000 rpm) (ST-25)

List No. 51720100400

No.	Parts No.	Parts name	Q'ty	Remarks
41	41540109291	Lock nut	1	M80×P1.5
42	A06CB060200	Skt. HD. cap scr.	4	M6×20
43	31410117200	Pulley	1	
44	H23NN000260	Nipple	2	PA8PT1/8 (NTN)
45	R25YB001120	Micro switch	2	SLL-KK (YAMATAKE)
46	A06CB060120	Skt. HD. cap scr.	2	M6×12
47	41710132280	Bracket	1	
48	A43JJ00M060	Spring washer	2	M6
49	41710132100	Cap	1	
50	31710132121	Piston	1	
51	J04SH000240	SKY-packing	1	SKY-20 (SAKAGAMI)
52	J2600G02500	O-ring	1	G-25
53	A06CB060160	Skt. HD. cap scr.	4	M6×16
54	31710132110	Cylinder	1	
55	A06CB080400	Skt. HD. cap scr.	4	M8×40
56	J2600P02400	O-ring	1	P-24
57	J04SH000240	SKY-packing	1	SKY-20 (SAKAGAMI)
58	A06CB080200	Skt. HD. cap scr.	8	M8×20
59	31710132040	Cap	2	
60	J2600G03500	O-ring	2	G-35
61	J2600P050A0	O-ring	2	P-50A
62	31710132051	Block	2	
63	41710133210	Plate	2	
64	A16B05X0140	Flat HD. cap scr.	6	M5×14
65	41710133220	Spring	2	
66	J2600P02900	O-ring	4	P-29
67	J2600P050A0	O-ring	2	P-50A
68	21710132061	Rod	1	
69	41410131130	Key	1	10×8×80
70	21710136350	Pulley	1	20,251-P 3000RPM
71	H23NN000260	Nipple	2	PA8PT1/2 (NTN)
72	A06CB080300	Skt. HD. cap scr.	8	M8×30
73	H3600001S80	Skt. pipe plug	2	PT1/8
74	A06CB080250	Skt. HD. cap scr.	3	M8×25
75	21710136340	Housing	1	
76	31410131060	Collar	1	
77	F04NP000770	W. roller bearing	1	NN3016K CC1P5 (NTN)
78	41410128770	Collar	1	
79	31410132000	Retainer	1	
80	A06CB060200	Skt. HD. cap scr.	2	M6×20

## C-AXIS-EQUIPPED HEADSTOCK ASS'Y (2/3) (3000 rpm) (ST-25)

List No. 51720100400

No.	Parts No.	Parts name	Q'ty	Remarks
81	31710133190	Nut	1	
82	31710133180	Washer	1	
83	41710133200	Collar	1	
84	31710133171	Super gear	1	
85	A17HT050200	Hex. HD. cap scr.	4	M5×20
86	A43JJ00M050	Spring washer	4	M5
87	41710132210	Retainer	1	
88	A1401008450	Key	1	10×8×45
89	E7207BDBP50	Angular boll bearing	1	7207BDB P5 (NSK)
90	31710132181	Super gear	1	
91	41540110390	Nut	1	M100×P1.5
92	41410119931	Washer	1	
93	41410128800	Spacer	1	
94	41710133670	Retainer	1	
95	A43JJ00M050	Spring washer	4	M5
96	A17HT050200	Hex. HD. cap scr.	4	M5×20
97	F02NP001310	Assy angular ball brg.	1	100BA 10×DBLP4A
98	21410128791	Housing	1	
99	F04NP000140	W. roller bearing	1	NN3020 KM8CC9P4V17
100	21410131921	Seal cover	1	
101	A06CB080600	Skt. HD. cap scr.	4	M8×60
102	21410131912	Bearing retainer	1	
103	J2600S15000	O-ring	1	S150
104	41540100690	Spindle pin	1	
105	A06FU080200	Skt. HD. cap scr.	1	M8×20
106	41540109222	Rabyrinse collar	1	
107	01710132411	Spindle	1	
108	31710132161	Bush	1	
109	J2600G05000	O-ring	1	G50
110	21710132151	Shaft	1	
111	A06CB080250	Skt. HD. cap scr.	3	M8×25
112	41710135190	Bracket	1	
113	A34000AW080	Bearing LK. washer	1	AW-08
114	A33000AN080	Bearing LK. nut	1	AN-08
115	41710132250	Washer	1	
116	31710135181	Retainer	1	
117	41710132241	Collar	1	
118	F02NN001470	Angular ball bearing	1	7208ADT·P5
119	A06CB080200	Skt. HD. cap scr.	4	M8×20
120	A15B12X0350	Skt. set scr.	2	M12×35 (Flat point)

## C-AXIS-EQUIPPED HEADSTOCK ASS'Y (2/3) (3000 rpm) (ST-25)

List No. 51720100400

No.	Parts No.	Parts name	Q'ty	Remarks
121	A40JJ00M120	Nut	2	M12
122	A33000AN090	Bearing LK. nut	1	AN-09
123	A34000AW090	Bearing LK. washer	1	AW-09
124	A33000AN070	Bearing LK. nut	1	AN-07
125	A34000AW070	Bearing LK. washer	1	AW-07
126	41710132170	Washer	1	
127	31710132231	Super gear	1	
128	A1401008400	Key	1	10×8×40
129	41710132190	Collar	1	1
130	41710132200	Collar	1	
131	31710132141	Bush	1	
132	A06CB080250	Skt. HD. cap scr.	3	M8×25
133	J04SH000510	SDR scraper	1	SDR-45 (SAKAGAMI)
134	J01AC2847E0	Oil seal	1	AC2847E0 (NOK)
135	F02NN001480	Angular ball bearing	1	7016AP5
136	41710132131	Joint	1	
137	41710136790	Washer	1	(Shifter)
138	21710132221	Shaft	1	
139	01710132432	Housing	1	
140	A11F10X0400	Taper pin tap. e.	2	φ10×40
141	41780128350	Collar	1	
142	A06CB120400	Skt. HD. cap scr.	6	M12×40
143	N20HC000590	Harmonic drive	1	CS-50-120-2A
144	41780128330	Nut	1	
145	A430000M100	Spring washer	1	M10
146	A06CB080450	Skt. HD. cap scr.	6	M8×45
147	A11F10X0400	Taper pin tap. e.	2	φ10×40
148	A06CB080250	Skt. HD. cap scr.	5	M8×25
149	31710132270	Base	1	
150	A06CB080250	Skt. HD. cap scr.	4	M8×25
151	G29KW000630	Oil cap	1	KRM-B17 (KYOWA)
152	G29KH000380	Oil gauge	1	VA-HL (KOUHOU)
153		Rubber	1	φ2-600 or S180
154	31710136300	Bracket	1	
155	A41JJ00M080	Washer	2	M8
156	A06CB080120	Skt. HD. cap scr.	2	M8×12
157	A06CB060250	Skt. HD. cap scr.	2	M6×25
158	A41JJ00M060	Washer	2	M6
159	H12LAM64110	Junction	1	N0106411 (LUBE)
160	H12LAM6255C	Seal plug	2	N0106255 (LUBE)

## C-AXIS-EQUIPPED HEADSTOCK ASS'Y (3/3) (3000 rpm) (ST-25)

List No. 51720100400

No.	Parts No.	Parts name	Q'ty	Remarks
161	41725235120	Pressure gauge	1	Shifter
162	41146012480	Pressure gauge	1	Main
163	41506012511	Pressure gauge	1	Chuck
164	R26YB000980	Proximity switch	1	FL1-2D6-903(YAMATAKE)
165	A06CB060120	Skt. HD. cap scr.	2	M6×12
166	A41JJ00M060	Washer	2	M6
167	41710135171	Dog	1	
168	A06CB050850	Skt. HD. cap scr.	4	M5×85
169	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11(NACHI)
170	G11FH000880	Reducing valve	1	OG-G01-PC-K-5544B(NACHI)
171	A06CB051100	Skt. HD. cap scr.	4	M5×110
172	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11(NACHI)
173	G27FH001090	Modular block	1	OK-G01-P-11(NACHI)
174	Z1710135940	Rod	1	
175	G11FH000880	Reducing valve	1	GO-G01-PC-K-5544B(NACHI)
176	A06CB050850	Skt. HD. cap scr.	4	M5×85
177	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11(NACHI)
178	A06CB050850	Flow regulator	1	OCY-G01-W-Y-11(NACHI)
179	H23NN000250	Taper pin tap. e.	3	PA6PT1/4 (NTN)
180	H23NN000080	Taper pin tap. e.	1	PA8PT1/4 (NTN)
181	H28TQ120060	Adaptor	1	12-0606(TOKAI)
182	H28TQ130060	Adaptor	1	13-0606(TOKAI)
183		Stainless pipe	1	φ6×1200
184	H23NN002770	Taper pin tap. e.	3	PZA6PT1/4 (NTN)
185		Stainless pipe	1	φ8×300
186	H23NN000080	Taper pin tap. e.	2	PA8PT1/4 (NTN)
187	H23NN000060	Elbow	2	PB8PT1/4 (NTN)
188	11710133161	Manifold	1	
189	H3600001S80	Skt. pipe plug	4	PT1/8
190	H3600001S40	Skt. pipe plug	1	PT1/4
191	A41JJ00M050	Washer	2	M5
192	31710135161	Housing	1	
193	H12LAM62520	Bushing	1	NO 106252(LUBE)
194	H12LAM50090	Mter unit (HJB-0)	3	NO 105009(LUBE)
195	A15B08X0120	Skt. set scr.	2	M8×12
196	41710135221	Rod	1	
197	F31DG000010	DU bush	2	MB1208DU (DAIDO METAL)
198	Z1710135990	Bracket	1	
199	A06CB080160	Skt. HD. cap scr.	4	M8×16
200	G20SV005670	Cylinder	1	CMFN25-15T-58 (SHOUKETSU)

## C-AXIS-EQUIPPED HEADSTOCK ASS'Y (3/3) (3000 rpm) (ST-25)

List No. 51720100400

No.	Parts No.	Parts name	Q'ty	Remarks
201	A06CB060160	Skt. HD. cap scr.	2	M6×16
202	A06CB050100	Skt. HD. cap scr.	2	M5×10
203	H12LAM62510	Nut	3	NO 106251(LUBE)
204	H12LAM62540	Sleeve	1	NO 106254(LUBE)
205		Copper pipe	1	φ4×300(LUBE)
206		Copper pipe	1	φ4×500(LUBE)
207		Copper pipe	1	φ4×1000(LUBE)
208	A06CB100200	Skt. HD. cap scr.	1	M10×20
209	A43JJ00M100	Spring washer	1	M10
210	J2600G03500	O-ring	1	G35
211	J01AB3036F0	Oil seal	1	AB3036F0 (NOK)
212	41710135980	Bracket	1	
213	G50SV002480	Solenoid valve	1	VT301-201C (SHOUKETSU)
214	A41JJ00M050	Washer	2	M5
215	A06CB050100	Skt. HD. cap scr.	2	M5×10
216	A43JJ00M060	Spring washer	2	M6
217	A06CB060160	Skt. HD. cap scr.	2	M6×16
218	G51SV000390	Silencer	1	AN210-02 (SHOUKETSU)
219	H14SV000250	Union	1	M10-02 (SHOUKETSU)
220	H14SV001340	Elbow union	1	DL08-01 (SHOUKETSU)
221		Tube	1	φ8×100 (SHOUKETSU)
222		Union	1	H08-02 (SHOUKETSU)
223	A1401008350	Key	1	10×8×35
224				
225	31710135970	Bracket	1	
226	A06CB060140	Skt. HD. cap scr.	2	M6×14
227	A41JJ00M060	Washer	2	M6
228	H23NN000140	Elbow	2	PB10PT3/8 (NTN)
229				
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## C-AXIS-EQUIPPED HEADSTOCK ASS'Y (1/3) (3000 rpm) (ST-25)

List No. 51720100400

No.	Parts No.	Parts name	Q'ty	Remarks
1	A06CB060250	Skt. HD. cap scr.	4	M6×25
2	A06CB050100	Skt. HD. cap scr.	4	M5×10
3	31540106570	Adaptor	1	
4	A1405050200	Key	1	
5	31410117222	Shaft	1	
6	A35000S0250	Retain ring	1	S-25
7	41540106560	Spacer	1	
8	E0006005ZZ0	Ball bearing	2	6005ZZ (NTN)
9	A06CB030160	Skt. HD. cap scr.	4	M3×16
10	31410117210	Pulley	1	
11	L08MH000160	Belt	1	322L-050 (MITSUBOSHI)
12	31710132401	Bracket	1	
13	A06CB080300	Skt. HD. cap scr.	2	M8×30
14	A43JJ00M080	Spring washer	2	M8
15	41540100730	Washer	1	
16	A06CB080200	Skt. HD. cap scr.	1	M8×20
17				
18	A06CB080350	Skt. HD. cap scr.	2	M8×35
19	41110100711	Bolt	2	
20	41110118871	Adjustable block	1	
21	41710132371	Dog	1	
22	A16B04X0080	Flat HD. cap scr.	1	M4×8
23	41710132380	Bracket	1	
24	A06CB080160	Skt. HD. cap scr.	2	M8×16
25	A41JJ00M080	Washer	2	M8
26	A06CB120350	Skt. HD. cap scr.	6	M12×35
27	A43JJ00M120	Spring washer	6	M12
28	H3600001S40	Skt. pipe plug	1	PT1/4
29	R26YB000980	Proximity switch	1	FL1-2D6-903 (YAMATAKE)
30	A06CB080140	Skt. HD. cap scr.	4	M8×14
31	41710133410	Cover	1	
32	41780128550	Block	2	
33	A06CB080250	Skt. HD. cap scr.	4	M8×25
34	01710132424	Headstock	1	
35	A06CB200700	Skt. HD. cap scr.	7	M20×70
36	A43JJ00M200	Spring washer	7	M20
37	31710132071	Flywheel	1	
38	A06CB080160	Skt. HD. cap scr.	6	M8×16
39	A11F08X0360	Taper pin tap. e.	2	φ8×36
40	41410117340	Washer	1	

## C-AXIS-EQUIPPED HEADSTOCK ASS'Y (1/3) (3000 rpm) (ST-25)

List No. 51720100400

No.	Parts No.	Parts name	Q'ty	Remarks
41	41540109291	Lock nut	1	M80×P1.5
42	A06CB060200	Skt. HD. cap scr.	4	M6×20
43	31410117200	Pulley	1	
44	H23NN000260	Nipple	2	PA8PT1/8 (NTN)
45	R25YB001120	Micro switch	2	SLL-KK (YAMATAKE)
46	A06CB060120	Skt. HD. cap scr.	2	M6×12
47	41710132280	Bracket	1	
48	A43JJ00M060	Spring washer	2	M6
49	41710132100	Cap	1	
50	31710132121	Piston	1	
51	J04SH000240	SKY-packing	1	SKY-20 (SAKAGAMI)
52	J2600G02500	O-ring	1	G-25
53	A06CB060160	Skt. HD. cap scr.	4	M6×16
54	31710132110	Cylinder	1	
55	A06CB080400	Skt. HD. cap scr.	4	M8×40
56	J2600P02400	O-ring	1	P-24
57	J04SH000240	SKY-packing	1	SKY-20 (SAKAGAMI)
58	A06CB080200	Skt. HD. cap scr.	8	M8×20
59	31710132040	Cap	2	
60	J2600G03500	O-ring	2	G-35
61	J2600P050A0	O-ring	2	P-50A
62	31710132051	Block	2	
63	41710133210	Plate	2	
64	A16B05X0140	Flat HD. cap scr.	6	M5×14
65	41710133220	Spring	2	
66	J2600P02900	O-ring	4	P-29
67	J2600P050A0	O-ring	2	P-50A
68	21710132061	Rod	1	
69	41410131130	Key	1	10×8×80
70				
71	H23NN000260	Nipple	2	PA8PT1/2 (NTN)
72	A06CB080300	Skt. HD. cap scr.	8	M8×30
73	H3600001S80	Skt. pipe plug	2	PT1/8
74	A06CB080250	Skt. HD. cap scr.	3	M8×25
75	21710136340	Housing	1	
76	31410131060	Collar	1	
77	F04NP000770	W. roller bearing	1	NN3016K CC1P5 (NTN)
78	41410128770	Collar	1	
79	31410132000	Retainer	1	
80	A06CB060200	Skt. HD. cap scr.	2	M6×20

## C-AXIS-EQUIPPED HEADSTOCK ASS'Y (2/3) (3000 rpm) (ST-25)

List No. 51720100400

No.	Parts No.	Parts name	Q'ty	Remarks
81	31710133190	Nut	1	
82	31710133180	Washer	1	
83	41710133200	Collar	1	
84	31710133171	Super gear	1	
85	A17HT050200	Hex. HD. cap scr.	4	M5×20
86	A43JJ00M050	Spring washer	4	M5
87	41710132210	Retainer	1	
88	A1401008450	Key	1	10×8×45
89	E7207BDBP50	Angular boll bearing	1	7207BDBP5 (NSK)
90	31710132181	Super gear	1	
91	41540110390	Nut	1	M100×P1.5
92	41410119931	Washer	1	
93	41410128800	Spacer	1	
94	41710133670	Retainer	1	
95	A43JJ00M050	Spring washer	4	M5
96	A17HT050200	Hex. HD. cap scr.	4	M5×20
97	F02NP001310	Assy angular boll brg.	1	100BA 10×DBLP4A
98	21410128791	Housing	1	
99	F04NP000140	W. roller bearing	1	NN3020 KM8CC9P4V17
100	21410131921	Seal cover	1	
101	A06CB080600	Skt. HD. cap scr.	4	M8×60
102	21410131912	Bearing retainer	1	
103	J2600S05000	O-ring	1	S150
104	41540100690	Spindle pin	1	
105	A06FU080200	Skt. HD. cap scr.	1	M8×20
106	41540109222	Rabylinse collar	1	
107	01710132411	Spindle	1	
108	31710132161	Bush	1	
109	J2600G05000	O-ring	1	G50
110	21710132151	Shaft	1	
111	A06CB080250	Skt. HD. cap scr.	3	M8×25
112	41710135190	Bracket	1	
113	A34000AW080	Bearing LK. washer	1	AW-08
114	A33000AN080	Bearing LK. nut	1	AN-08
115	41710132250	Washer	1	
116	31710135181	Retainer	1	
117	41710132241	Collar	1	
118	F02NN001470	Angular ball bearing	1	7208ADT-P5
119	A06CB080200	Skt. HD. cap scr.	4	M8×20
120	A15B12X0350	Skt. set scr.	2	M12×35 (Flat point)

## C-AXIS-EQUIPPED HEADSTOCK ASS'Y (2/3) (3000 rpm) (ST-25)

List No. 51720100400

No.	Parts No.	Parts name	Q'ty	Remarks
121	A40JJ00M120	Hex. nut	2	M12
122	A33000AN090	Bearing LK. nut	1	AN-09
123	A34000AW090	Bearing LK. washer	1	AW-09
124	A33000AN070	Bearing LK. nut	1	AN-07
125	A34000AW070	Bearing LK. washer	1	AW-07
126	41710132170	Washer	1	
127	31710132231	Super gear	1	
128	A1401008400	Key	1	10×8×40
129	41710132190	Collar	1	
130	41710132200	Collar	1	
131	31710132141	Bush	1	
132	A06CB080250	Skt. HD. cap scr.	3	M8×25
133	J04SH000510	SDR scraper	1	SDR-45 (SAKAGAMI)
134	J01AC2847E0	Oil seal	1	AC2847E0 (NOK)
135	F02NN001480	Angular ball bearing	1	7016AP5
136	41710132131	Joint	1	
137	41710136790	Washer	1	(SHIFTER)
138	21710132221	Shaft	1	
139	01710132432	Housing	1	
140	A11F10X0400	Taper pin tap. e.	2	φ10×40
141	41780128350	Collar	1	
142	A06CB120400	Skt. HD. cap scr.	6	M12×40
143	N20HC000590	Harmonic drive	1	CS-50-120-2A
144	41780128330	Nut	1	
145	A430000M100	Spring washer	1	M10
146	A06CB080450	Skt. HD. cap scr.	6	M8×45
147	A11F10X0400	Taper pin tap. e.	2	φ10×40
148	A06CB080250	Skt. HD. cap scr.	5	M8×25
149	31710132270	Base	1	
150	A06CB080250	Skt. HD. cap scr.	4	M8×25
151	G29KW000630	Oil cap	1	KRM-B17 (KYOWA)
152	G29KH000380	Oil gauge	1	VA-HL (KOUHOU)
153		Rubber	1	φ2-600 or S180
154	31710136300	Bracket	1	
155	A41JJ00M080	Washer	2	M8
156	A06CB080120	Skt. HD. cap scr.	2	M8×12
157	A06CB060250	Skt. HD. cap scr.	2	M6×25
158	A41JJ00M060	Washer	2	M6
159	H12LAM64110	Junction	1	N0106411 (LUBE)
160	H12LAM6255C	Seal plug	2	N0106255 (LUBE)

## C-AXIS-EQUIPPED HEADSTOCK ASS'Y (3/3) (3000 rpm) (ST-25)

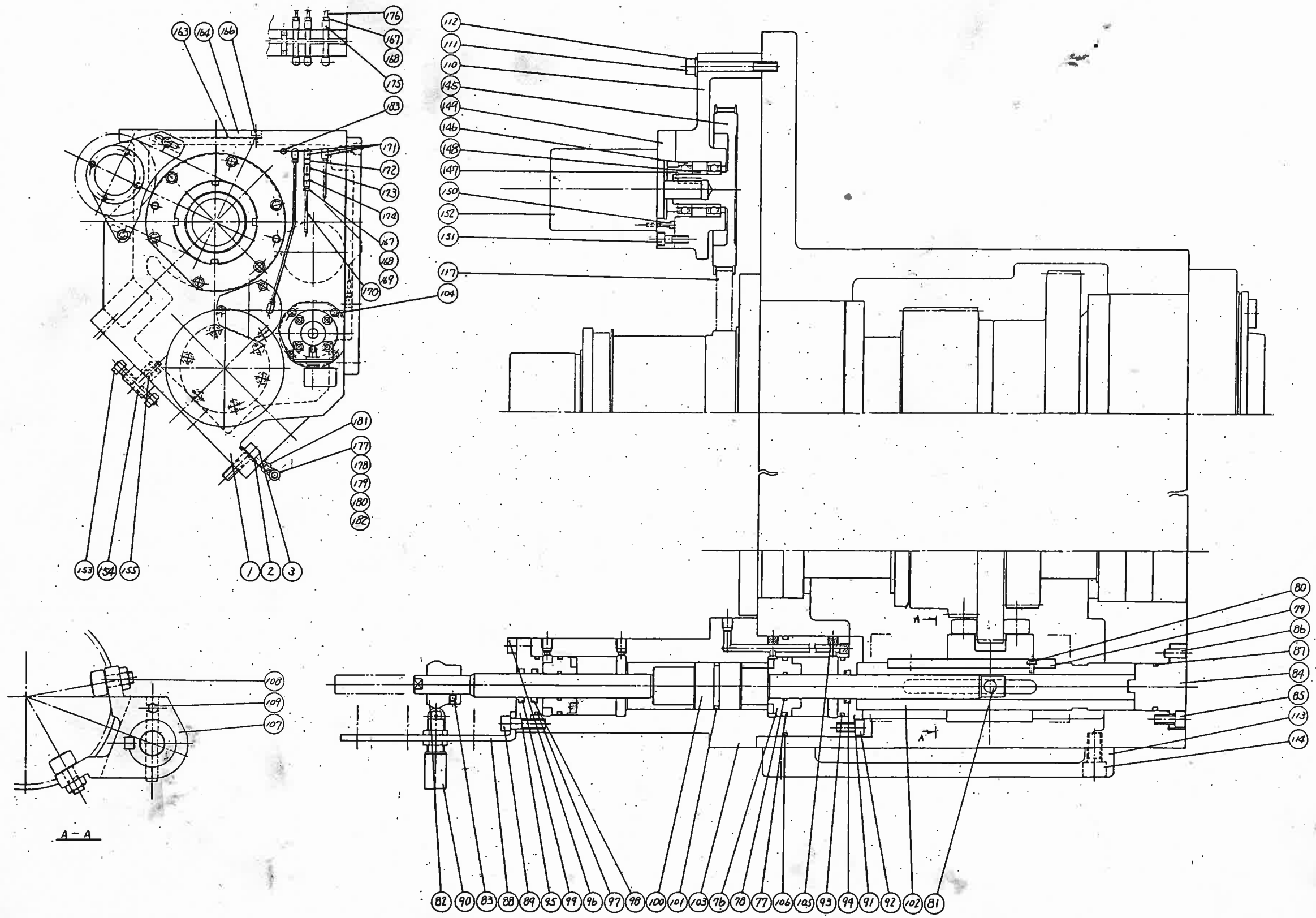
List No. 51720100400

No.	Parts No.	Parts name	Q'ty	Remarks
161	41725235120	Pressure gauge	1	Shifter
162	41146012480	Pressure gauge	1	Main
163	41506012511	Pressure gauge	1	Chuck
164	R26YB000980	Proximity switch	1	FL1-2D6-903(YAMATAKE)
165	A06CB060120	Skt. HD. cap scr.	2	M6×12
166	A41JJ00M060	Washer	2	M6
167	41710135171	Dog	1	
168	A06CB050850	Skt. HD. cap scr.	4	M5×85
169	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11 (NACHI)
170	G11FH000880	Reducing valve	1	OG-G01-PC-K-5544B (NACHI)
171	A06CB051100	Skt. HD. cap scr.	4	M5×110
172	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
173	G27FH001090	Modular block	1	OK-G01-P-11 (NACHI)
174	21710135940	Rod	1	
175	G11FH000880	Reducing valve	1	GO-G01-PC-K-5544B (NACHI)
176	A06CB050850	Skt. HD. cap scr.	4	M5×85
177	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11 (NACHI)
178	A06CB050850	Flow regulator	1	OCY-G01-W-Y-11 (NACHI)
179	H23NN000250	Nipple	3	PA6PT1/4 (NTN)
180	H23NN000080	Nipple	1	PA8PT1/4 (NTN)
181	H28TQ120060	Adaptor	1	12-0606 (TOKAI)
182	H28TQ130060	Adaptor	1	13-0606 (TOKAI)
183		Stainless pipe	1	φ6×1200
184	H23NN002770	Nipple	3	PZA6PT1/4 (NTN)
185		Stainless pipe	1	φ8×300
186	H23NN000080	Nipple	2	PA8PT1/4 (NTN)
187	H23NN000060	Elbow	2	PB8PT1/4 (NTN)
188	11710133161	Manifold	1	
189	H3600001S80	Skt. pipe plug	4	PT1/8
190	H3600001S40	Skt. pipe plug	1	PT1/4
191	A41JJ00M050	Washer	2	M5
192	31710135161	Housing	1	
193	H12LAM62520	Bushing	1	NO 106252 (LUBE)
194	H12LAM50090	Flow unit (HJB-0)	3	NO 105009 (LUBE)
195	A15B08X0120	Skt. set scr.	2	M8×12
196	41710135221	Rod	1	
197	F31DG000010	DU bush	2	MB1208DU (DAIDO)
198	21710135990	Bracket	1	
199	A06CB080160	Skt. HD. cap scr.	4	M8×16
200	G20SV005670	Cylinder	1	CMFN25-15T-58 (SHOUKETSU)

## C-AXIS-EQUIPPED HEADSTOCK ASS'Y (3/3) (3000 rpm) (ST-25)

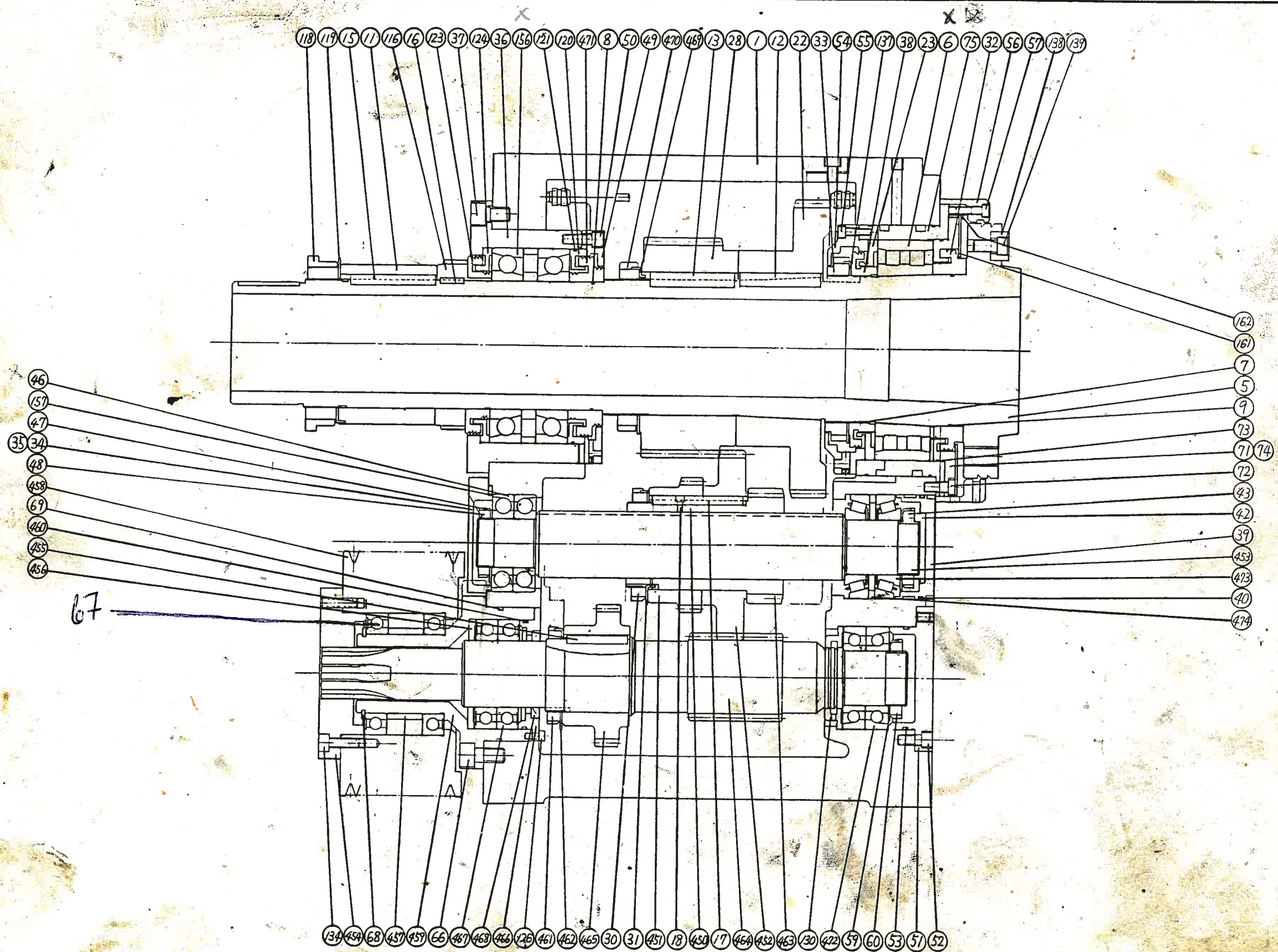
List No. 51720100400

No.	Parts No.	Parts name	Q'ty	Remarks
201	A06CB060160	Skt. HD. cap scr.	2	M6×16
202	A06CB050100	Skt. HD. cap scr.	2	M5×10
203	H12LAM62510	Nut	3	NO 106251 (LUBE)
204	H12LAM62540	Sleeve	1	NO 106254 (LUBE)
205		Copper pipe	1	φ4×300 (LUBE)
206		Copper pipe	1	φ4×500 (LUBE)
207		Copper pipe	1	φ4×1000 (LUBE)
208	A06CB100200	Skt. HD. cap scr.	1	M10×20
209	A43JJ00M100	Spring washer	1	M10
210	J2600G03500	O-ring	1	G35
211	J01AB3036F0	Oil seal	1	AB3036F0 (NOK)
212	41710135980	Bracket	1	
213	G50SV002480	Solenoid valve	1	VT301-201C (SHOUKETSU)
214	A41JJ00M050	Washer	2	M5
215	A06CB050100	Skt. HD. cap scr.	2	M5×10
216	A43JJ00M060	Spring washer	2	M6
217	A06CB060160	Skt. HD. cap scr.	2	M6×16
218	G51SV000390	Silencer	1	AN210-02 (SHOUKETSU)
219	H14SV000250	Union	1	M10-02 (SHOUKETSU)
220	H14SV001340	Elbow union	1	DL08-01 (SHOUKETSU)
221		Tube	1	φ8×100 (SHOUKETSU)
222		Union	1	H08-02 (SHOUKETSU)
223	A1401008350	Key	1	10×8×35
224	21710136360	Pulley	1	20.25rp 4000rpm
225	31710135970	Bracket	1	
226	A06CB060140	Skt. HD. cap scr.	2	M6×14
227	A41JJ00M060	Washer	2	M6
228	H23NN000140	Elbow	2	PB10PT3/8 (NTN)
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<b>Mazak</b>	MACHINE MODEL: SLANT TURN-30 ATC	ASSEMBLY NAME : HEAD STOCK ASS'Y	Page
	SPECIFICATION APPLY :	DRAWING NO : 017301A0010	1-30



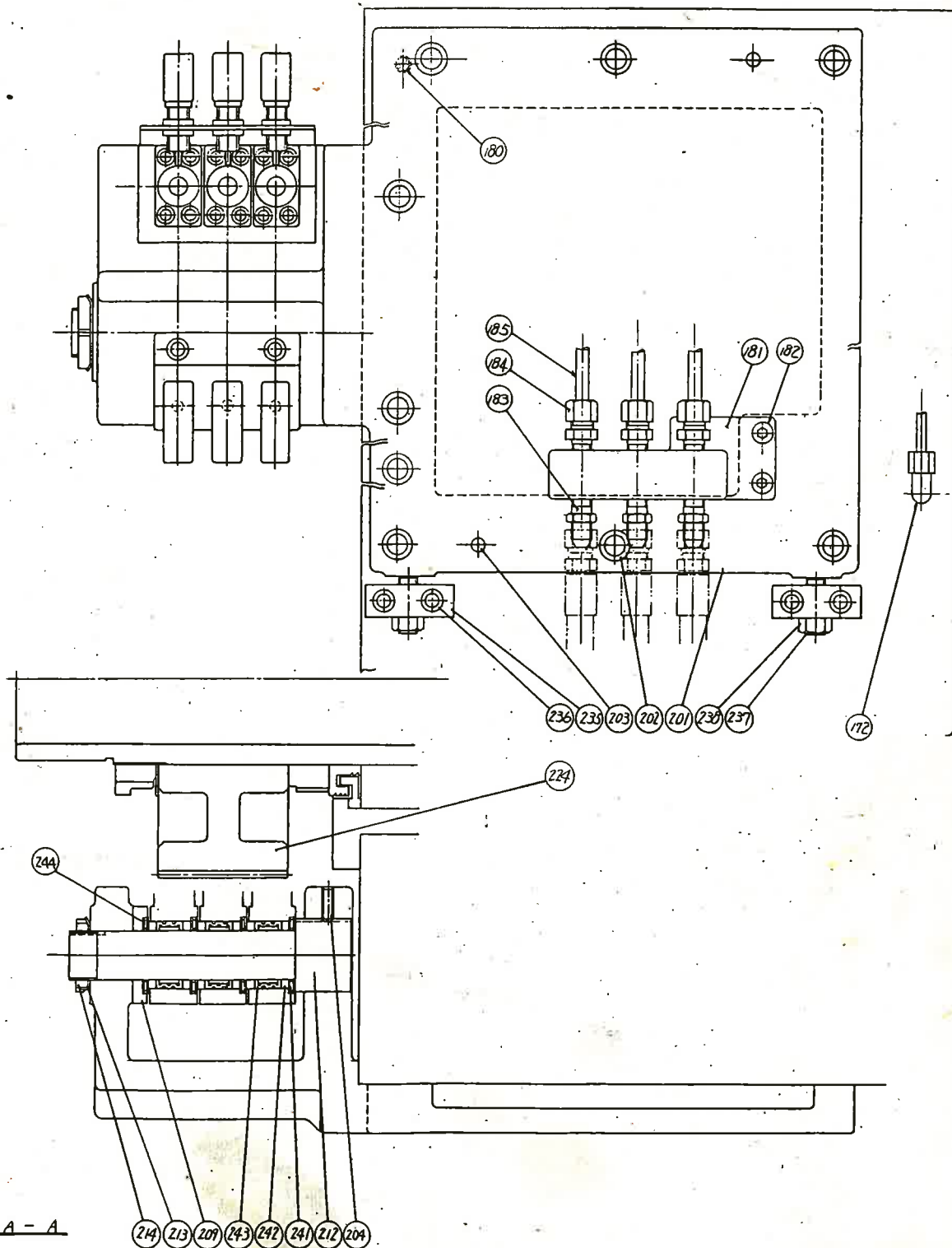
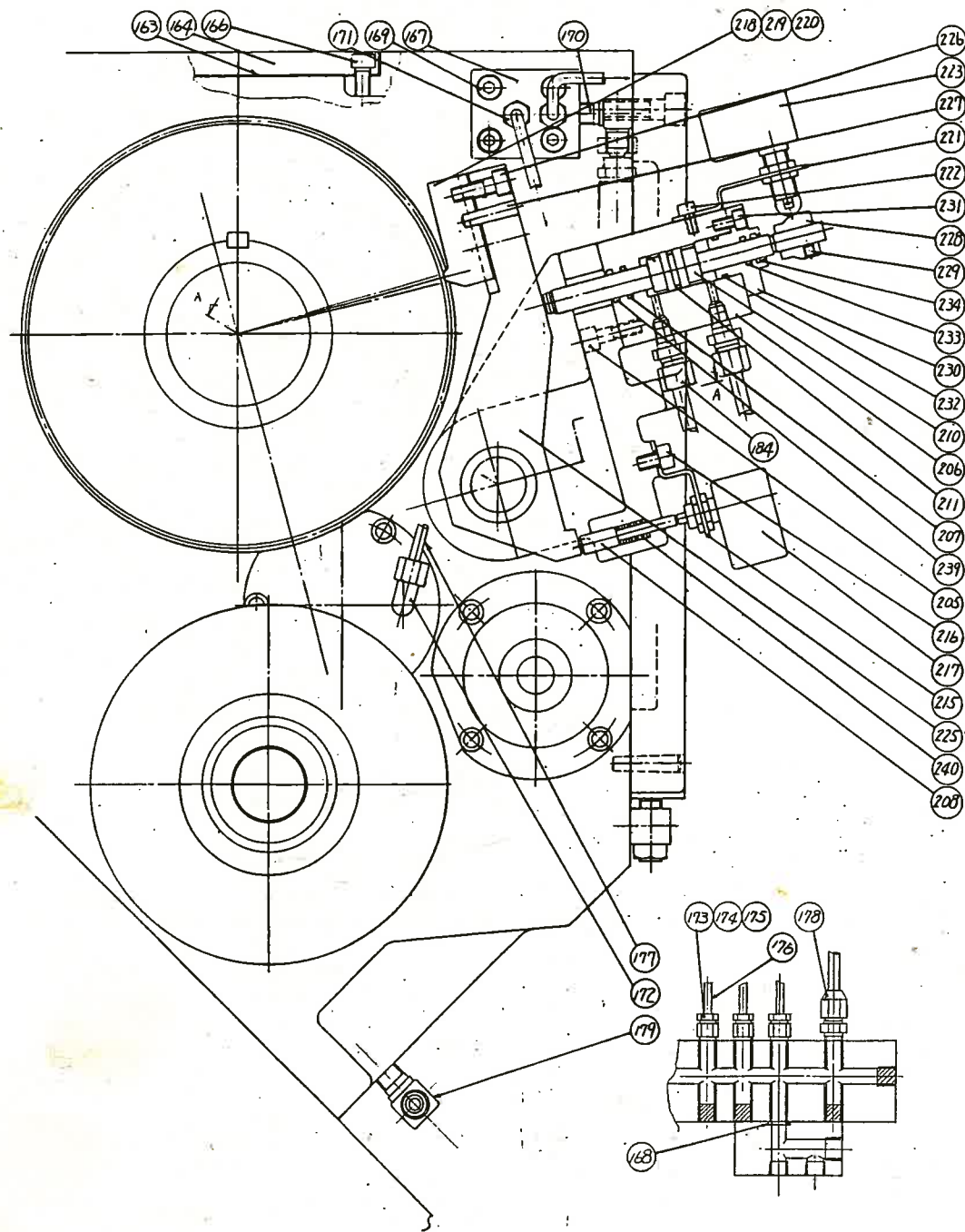


SPECIFICATION APPLY : (ST-30)

ASSEMBLY NAME : HEADSTOCK ASS 'Y

DRAWING NO. : 017301A0050

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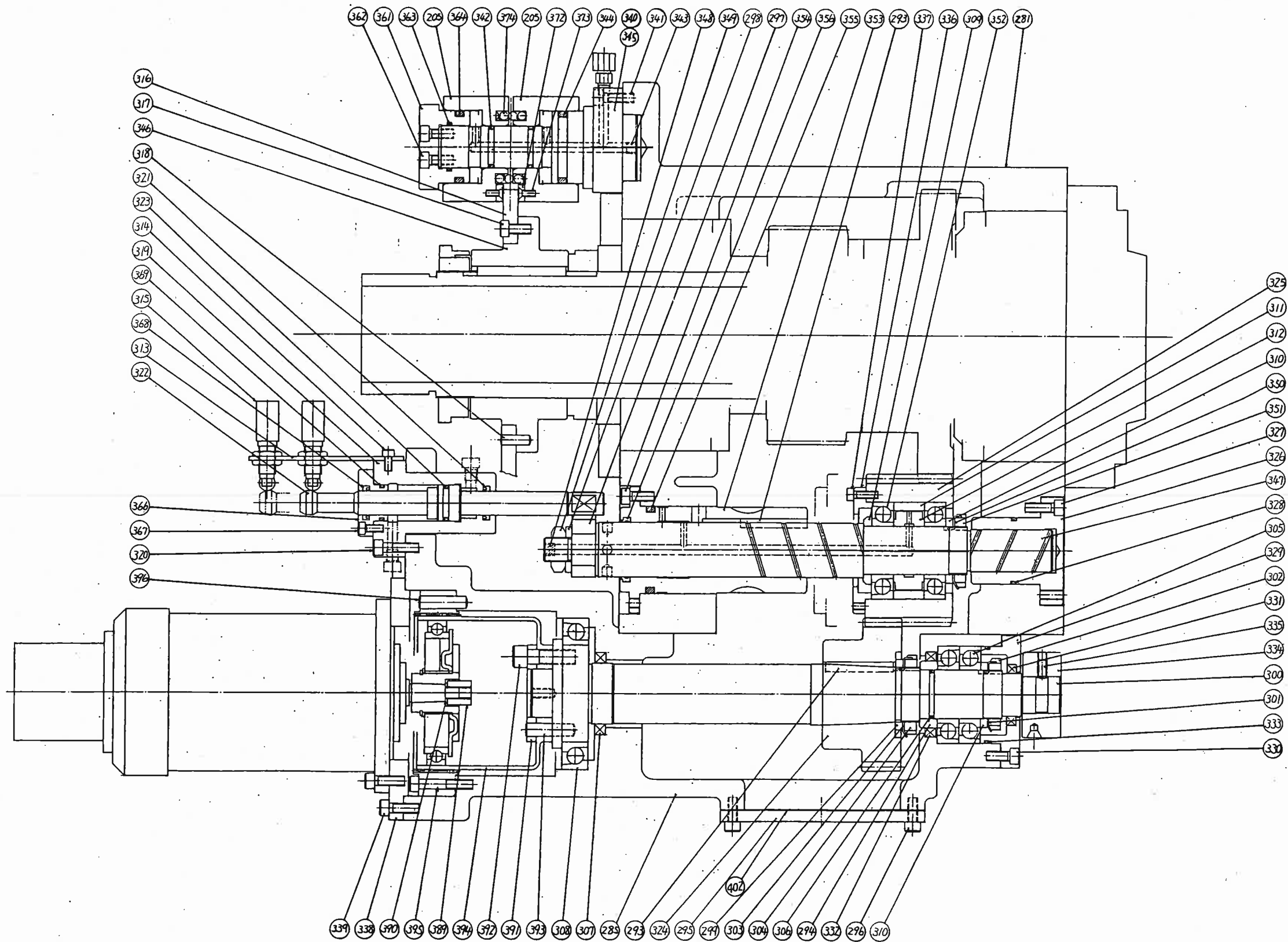
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**Mazak**

MACHINE MODEL: SLANT TURN-30 ATC  
 SPECIFICATION APPLY :

ASSEMBLY NAME : HEAD STOCK ASS'Y  
 DRAWING NO : 017401A0010

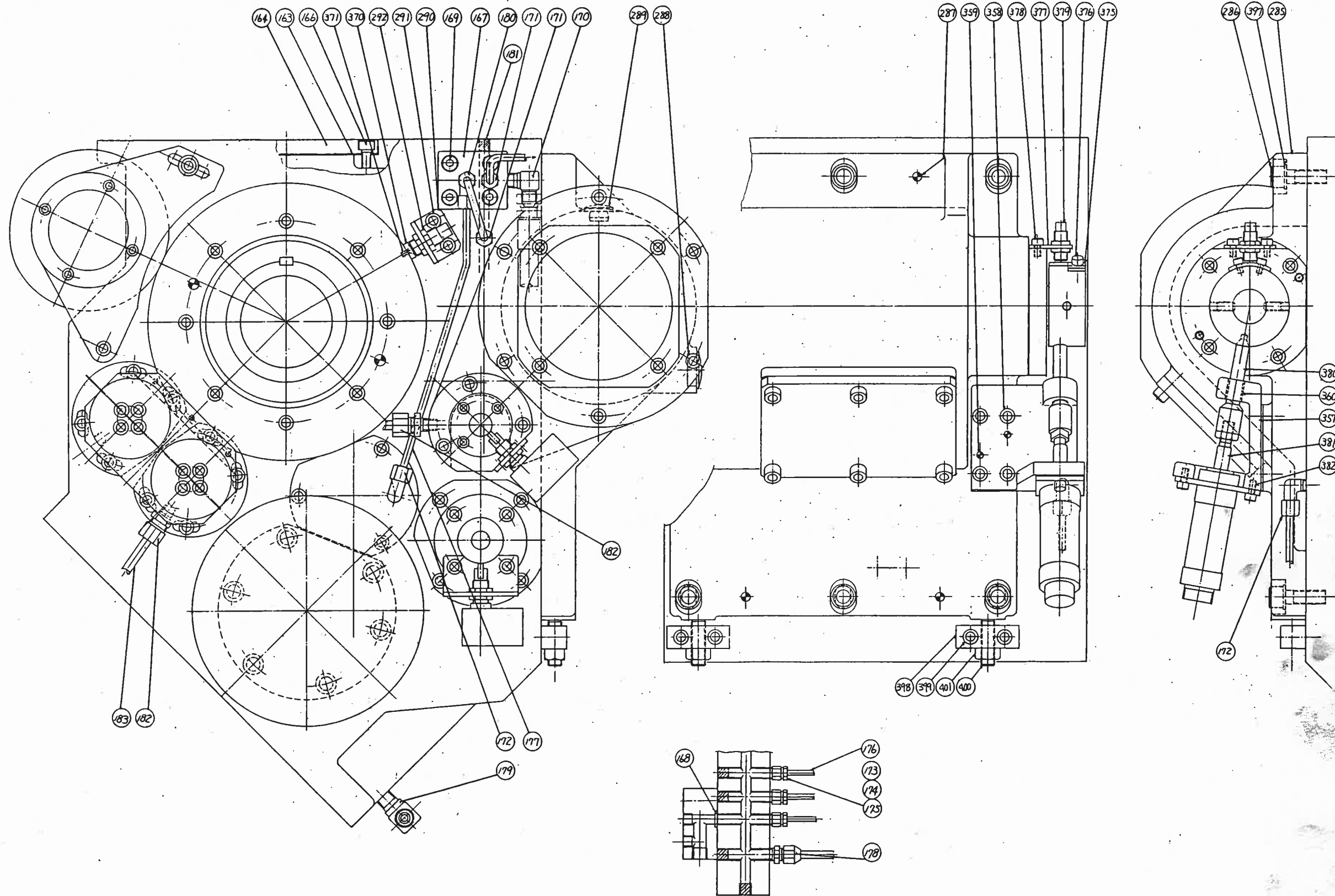
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**Mazak**

MACHINE MODEL: SLANT TURN-30 ATC  
 SPECIFICATION APPLY :

ASSEMBLY NAME : HEAD STOCK ASS'Y  
 DRAWING NO : Q17401A0020



**Mazak**

MACHINE MODEL: SLANT TIRN-30 ATC

SPECIFICATION APPLY :

ASSEMBLY NAME : HEAD STOCK ASS'Y

DRAWING NO : 017401A0030

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## HEAD STOCK ASS'Y (STD.) (ST-30)

Unit No. 51730100100

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
1	01730138016	Head stock	1	(1/2~2/2)
2	A43JJ00M200	Spring washer	6	M20
3	A06CB200700	Skt. HD. cap scr.	6	M20×70
4				
5	11730138021	Spindle	1	
6	F04NP000080	Cyl.roller.brg.	1	NN3024K MBCC9P4U17
7	J2600S11500	O-ring	1	S115
8	J2600S10000	O-ring	1	S100
9	J2600S12000	O-ring	1	S120
10				
11	41730138041	Collar	1	
12	41730138051	Key	1	
13	41730138061	Key	1	
14	A1412080550	Key		12×8×55
15	41730138081	Key	1	
16	A140505020N	Key	1	5×5×20
17	41730138101	Key	1	
18	A06CB040080	Skt. HD. cap scr.	1	M4×8
19	41730138110	Key		
20	41730138121	Collar		
21	41730138130	Spacer		
22	31730138141	Super gear	1	
23	31730138150	Collar	1	
24	31730138160	Super gear		
25	A06CB060300	Skt. HD. cap scr.	6	M6×30
26	31730138170	Super gear		
27	31730138180	Super gear		
28	31730138191	Super gear	1	
29	31730138200	Super gear		
30	A33000AN140	Bearing LK. nut	1	AN14
31	A34000AW140	Bearing LK. washer	1	AW14
32	31730138210	Collar	1	
33	31730138221	Nut	1	
34	31730138230	Cover	1	
35	A06CB080200	Skt. HD. cap scr.	3	M8×20
36	21730138241	Housing	1	
37	A06CB120200	Skt. HD. cap scr.	6	M12×20
38	31730138251	Collar	1	
39	31730138261	Cover	1	
40	J2600G08000	O-ring	1	G80

## HEAD STOCK ASS'Y (STD.) (ST-30)

Unit No. 51730100100

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
41	31730138270	Shaft		
42	A34000AW090	Bearing LK. washer	1	AW09
43	A33000AN090	Bearing LK. nut	1	AN09
44	E000NU22090	Cyl.roller.brg.		NU2209
45	A3500050450	Retain ring	1	S-45
46	F02NP000110	Angu.ball.brg.	1	7208CD-C7-P5
47	A34000AW080	Bearing LK. washer	1	AW08
48	A33000AN080	Bearing LK. nut	1	AN08
49	31730138281	Cover	1	
50	A06CB080250	Skt. HD. cap scr.	6	M8×25
51	31730138291	Cover	1	
52	A06CB080180	Skt. HD. cap scr.	4	M8×18
53	J2600G08000	O-ring	1	G80
54	21730138301	Cover	1	
55	A06CB060200	Skt. HD. cap scr.	6	M6×20
56	21730138311	Cover	1	
57	A06CB060200	Skt. HD. cap scr.	4	M6×20
58	21730138320	Shaft with gear		
59	A34000AW090	Bearing LK. washer	1	AW09
60	A33000AN090	Bearing LK. nut	1	AN09
61	E00006209V0	Ball bearing		6209V
62	A34000AW100	Bearing LK. washer		AW10
63	A33000AN100	Bearing LK. nut		AN10
64	E0000062790	Ball bearing		6209
65	21730138330	Housing		
66	A06CB120250	Skt. HD. cap scr.	6	M12×25
67	E00006013V0	Bearing LK. nut	2	6013V
68	A35000S0650	Retain ring	1	S-65
69	J2600G10500	O-ring	1	G-105
70	21730138340	Pulley		
71	21730139352	Cover	1	
72	A06CB080200	Skt. HD. cap scr.	4	M8×20
73	J2600S15000	O-ring	1	S-150
74	A06CB060100	Skt. HD. cap scr.	2	M6×10
75	21730138361	Housing	1	
76	41730138371	Piston	2	
77	J2600P04400	O-ring	2	P44
78	J2600P02000	O-ring	2	P20
79	41730138381	Key	1	
80	A06CB040080	Skt. HD. cap scr.	2	M4×8

## HEAD STOCK ASS'Y (STD.) (ST-30)

Unit No. 51730100100

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
81	41730138390	Pin	1	
82	41730138400	Dog	1	
83	A15B06X0060	Skt. set scr.	1	M6×6
84	41730138410	Cover	1	
85	A06CB080180	Skt. HD. cap scr.	4	M8×18
86	A11008X0180	Taper pin	1	φ8×18
87	J2600G03500	O-ring	1	G35
88	31730138420	Bracket	1	
89	A06CB080300	Skt. HD. cap scr.	2	M8×30
90	R25YB001120	Micro switch	4	SL1-KK (YAMATAKE)
91	31730138430	Cap	1	
92	A06CB080160	Skt. HD. cap scr.	4	M8×16
93	J2600G04500	O-ring	1	G45
94	J04SH000240	SKY-packing	1	SKY-20
95	31730138440	Cap	1	
96	A06CB080250	Skt. HD. cap scr.	2	M8×25
97	J2600G04500	O-ring	1	G45
98	J04SH000240	SKY-packing	1	SKY-20 (SAKAGAMI)
99	J04SH000200	Scraper	1	SDR-20 (SAKAGAMI)
100	31730138450	Piston	1	
101	J2600P03400	O-ring	1	P-34
102	31730138461	Sleeve	1	
103	21730138470	Cylinder	1	DENSBAR
104	A06CB080500	Skt. HD. cap scr.	4	M8×50
105	H3600001S80	Plug	4	PT1/8
106	J2600G08000	O-ring	1	G80
107	21730138481	Shifter	1	
108	E000KR22LLO	Cam follower	4	KR22LL (NTN)
109	A15B08X0120	Skt. set scr.	2	M8×12
110	21730138491	Bracket	1	
111	A06CB080700	Skt. HD. cap scr.	2	M8×70
112	41540100730	Washer	2	M8
113	21730138500	Cover	1	
114	A06CB120250	Skt. HD. cap scr.	10	M12×25
115	41730138510	Bolt	2	
116	31610117902	Pulley	1	
117	L08MH000160	Timing belt	1	322L050
118	41610117910	Nut	1	
119	41610117920	Washer	1	
120	31610119030	Collar	1	

## HEAD STOCK ASS'Y (STD.) (ST-30)

Unit No. 51730100100

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
121	J2600S15000	O-ring	1	S-150
122	31610119050	Collar		
123	31610119062	Collar	1	
124	41610119070	Collar	1	
125	41610119200	Brg.supporter		
126	A06CB060120	Skt. HD. cap scr.	2	M6×12
127	J2600G08000	O-ring		G80
128	J24NV001670	Oil seal		AG2649A0 (NOK)
129	41610119210	Spacer		
130	41610119250	Collar	1	
131	31610120691	Adapter		
132	A30TL001240	Locking element		RfN8006 40×45
133	41610120701	Brg.pietainer		
134	A06CB080250	Skt. HD. cap scr.	6	M8×25
135	A12008X0320	Spring pin	2	φ8×32
136	41610123910	Bush		
137	41140101560	Washer	1	
138	41140101830	Spindle pin	1	
139	A06CB100200	Skt. HD. cap scr.	1	M10×20
140	41610120720	Collar		
141	41610120710	Flange		
142	A06CB060200	Skt. HD. cap scr.		M6×20
143	L10MH000170	Flex.coupling		CF-30-1 (MIKI)
144	A12005X0160	Spring pin		φ5×16
145	31610117961	Timing pulley	1	
146	E0006005VVO	Ball bearing	2	6005VV
147	A35000S0250	Retain ring	1	S-25
148	41540106560	Spacer	1	
149	31540106570	Adapter	1	
150	A06CB030200	Skt. HD. cap scr.	4	M3×20
151	A06CB060200	Skt. HD. cap scr.	4	M6×20
152				
153	41110100711	Bolt	2	
154	41110118871	Adjvstable block	1	
155	A06CB080350	Skt. HD. cap scr.	1	M8×35
156	F02NP000160	Angu ball brg.	1	7021ATDB4+K112CP15U17
157	J2600S07500	O-ring	1	S-75
158	J2600S15000	O-ring	4	S-150 (21730138310) (2173013825)
159				
160				

## HEAD STOCK ASS'Y (STD.) (ST-30)

Unit No. 51730100100

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
161	31730139790	Plate	1	
162	A16A04X0080	Round.HD.cap.scr.	3	M4×8
163	31730139770	Packing	1	
164	31730139760	Cover		
165				
166	A06CB080200	Skt. HD. cap scr.	4	M8×20
167	H10SF00PA40	Bushing	2	PA4 (SEIWA)
168	H10SF00PB40	Sleeve	7	PB4 (SEIWA)
169	H10SF00AL40	Tubing insert	1	AL4 (SEIWA)
170				
171	H10SF00PH40	Elbow adapter	2	PH4 (SEIWA)
172				
173	H10SFPC4010	Check valve	1	PC401
174				
175	H10SF00PD40	Nipple	2	PD4
176			1	φ4×1200
177	H10SFOPA100	Bushing		1 PA10
178	H10SFOPB100	Sleeve	1	PB10
179	H10SFOAL100	Tubing insert	1	AL10
180	H10SFPHD100	Elbow adapter	1	PHD10
181	H23NN000870	But	1	1/2×1/4 (NTN)
182				
183	H3600001S80	Skt. pipe plug	7	PT1/8 (HEAD)
184	H10SFOPAN40	Proper nut	5	PAN4 (SHOWA)
185	H10SF00PI10	Elbow	1	PI1 (SHOWA)
186	H10SF0CSS50	Continuous unit	4	CSS5 (SHOWA)
187	A43JJ00M080	Spring LK. washer	2	M8
188	A17HB080250	Hex. HD. cap scr.	1	M8×25
189	A40JJ00M080	Hex. nut	1	M8
190	41730152050	Bush	1	
191	41713514980	Plug	3	Blind plug
192	41411540140	Plug	3	Blind plug
193	44780166900	Key	1	Spindle encoder section

## HEAD STOCK ASS'Y (STD.) (ST-30)

Unit No. 51730100100

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
410	11710133162	Manifold	1	
411	G16FH000390	Sol-valve	1	SA-G01-C5-C1-11 (NACHI)
412	G16FH000700	Sol-valve	2	SA-G01-C6-C1-11 (NACHI)
413	G11FH001060	Reducing valve	2	OG-G01-PC-K-12 (NACHI)
414	G27FH001090	Moduler valve	1	OK-G01-P-11 (NACHI)
415				
416				
417				
418	41730160131	Collar	1	
419	41730160120	Brg. LK. washer	1	
420	41735237790	Pressure gauge	1	Shift pressure
421	41725234810	Pressure gauge	1	Main pressure
422	41146012521	Pressure gauge	1	Chuck pressure
423	H3600001S80	Skt. pipe plug	3	PT1/8
424	A06CB050850	Skt. HD. cap scr.	4	M5×85
425	A06CB051100	Skt. HD. cap scr.	4	M5×110
426	A06CB050450	Skt. HD. cap scr.	4	M5×45
427	H23NN000060	Elbow	2	PB8-PT1/4 (NTN)
428		Sus pipe	1	φ8×300
429	H23NN000080	Nipple	2	PA8-PT1/4 (NTN)
430	H23NN000250	Nipple	3	PA8-PT1/4 (NTN)
431		SUS-pipe	1	PA6-PT1/4 (NTN)
432	H23NN002770	Nipple	3	PZA6-PT1/4 (NTN)
433	H28TQ130060	Adapter	2	12-0606 (TOKAI)
434	H28TQ120060	Adapter	1	12-0606 (TOKAI)
435	H28TQ130060	Adapter	1	13-0606 (TOKAI)
436	H23NN000080	Nipple	2	PA8-PT1/4 (NTN)
450	41730137931	Key	1	
451	31730137941	Spur gear	1	
452	31730137952	Spur gear	1	
453	21730137962	Shaft	1	
454	31730137971	Brg. retainer	1	

## HEAD STOCK ASS'Y (STD.) (ST-30)

Unit No. 51730100100

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
456	41730152490	Spacer	1	
457	41730137980	Spacer	1	
458	21730137991	V-pulley	1	
459	21730138001	Housing	1	
460	J2600G08500	O-ring	1	G85
461	A33000AN120	Brg. LK. nut	1	AN12
462	A34000AW120	Brg. LK. washer	1	AW12
463	31730152011	Spur gear	1	
464	21730152022	Gear shift	1	
465	31730152032	Spur gear	1	
466	41730152040	Brg. retainer	1	
467	E00006011V0	Ball brg.	2	6011V (NSK)
468	J01AG3038A0	Oil seal	1	AG3038A0 (NOK)
469	41140101591	Washer	1	
470	41140101601	Nut	1	
471	31730160150	Collar	1	
472	F02NP000350	Angu. C. ball brg.	1set	7209CTDBC8P5 (NSK)
473	EHR30209P50	Taper roller brg.	2	HR30209P5 (NSK)
474	41730160160	Spacer	1	

## HEAD STOCK ASS'Y (1° Orient) (ST-30)

Unit No. 51740100100

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
1	01730138016	Head stock	1	(1/2~2/2)
2	A43JJ00M200	Spring washer	6	M20
3	A06CB200700	Skt. HD. cap scr.	6	M20×70
4				
5	11730138021	Spindle	1	
6	F04NP000080	Cyl.roller.brg.	1	NN3024K MBCC9PAU17
7	J2600S11500	O-ring	1	S115
8	J2600S12006	O-ring	1	S100
9	J2600S12006	O-ring	1	S120
10	11730138030	Spindle		
11				
12	41730138051	Key	1	
13	41730138061	Key	1	
14	A1412080550	Key		12×8×55
15	41730138081	Key	1	
16	A140505020N	Key	1	5×5×20
17	41730138101	Key	1	
18	A06CB040080	Skt. HD. cap scr.	1	M4×8
19	41730138110	Key		
20	41730138121	Key		
21	41730138130	Spacer		
22	31730138141	Super gear	1	
23	31730138150	Collar	1	
24	31730138160	Super gear		
25	A06CB060300	Skt. HD. cap scr.	6	M6×30
26	31730138170	Super gear		
27	31730138180	Super gear		
28	31730138191	Super gear	1	
29	31730138200	Super gear		
30	A33000AN140	Bearing LK. nut	1	AN14
31	A34000AW140	Bearing LK. washer	1	AW14
32	31730138210	Collar	1	
33	31730138221	Nut	1	
34	31730138230	Cover	1	
35	A06CB080200	Skt. HD. cap scr.	3	M8×20
36	21730138241	Housing	1	
37	A06CB120200	Skt. HD. cap scr.	6	M12×20
38	31730138251	Collar	1	
39	31730138261	Cover	1	
40	H2600G08000	O-ring	1	G80



## HEAD STOCK ASS'Y (1° Orient) (ST-30)

Unit No. 51740100100

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
41	31730138270	Shaft		
42	A34000AW090	Bearing LK. washer	1	AW09
43	A33000AN090	Bearing LK. nut	1	AN09
44	E000NU22090	Cyl.roller.brg.		NU2209
45	A3500050450	Retain ring	1	S-45
46	F02NP000110	Angu.ball.brg.	1	7208CD-C7-P5
47	A34000AW080	Bearing LK. washer	1	AW08
48	A33000AN080	Bearing LK. nut	1	AN08
49	31730138281	Cover	1	
50	A06CB080250	Skt. HD. cap scr.	6	M8×25
51	31730138290	Cover	1	
52	A06CB080180	Skt. HD. cap scr.	4	M8×18
53	J2600G08000	O-ring	1	G80
54	21730138301	Cover	1	
55	A06CB060200	Skt. HD. cap scr.	6	M6×20
56	21730138311	Cover	1	
57	A06CB060200	Skt. HD. cap scr.	4	M6×20
58	21730138320	Shaft with gear		
59	A34000AW090	Bearing LK. washer	1	AW09
60	A33000AN090	Bearing LK. nut	1	AN09
61	E00006209V0	Ball bearing	2	6209V
62	A34000AW100	Bearing LK. washer		AW10
63	A33000AN100	Bearing LK. nut		AN10
64	E0000062790	Ball bearing		6209
65	21730138330	Housing		
66	A06CB120250	Skt. HD. cap scr.	6	M12×25
67	E00006013V0	Ball bearing	2	6013V
68	A35000S0650	Retain ring	1	S-65
69	J2600G10500	O-ring	1	G-105
70	21730138340	Pulley		
71	21730139352	Cover	1	
72	A06CB080200	Skt. HD. cap scr.	4	M8×20
73	J2600S15000	O-ring	1	S-150
74	A06CB060100	Skt. HD. cap scr.	2	M6×10
75	21730138361	Housing	1	
76	41730138371	Piston	2	
77	J2600P04400	O-ring	2	P44
78	J2600P02000	O-ring	2	P20
79	41730138381	Key	1	
80	A06CB040080	Skt. HD. cap scr.	2	M4×8

## HEAD STOCK ASS'Y (1° Orient) (ST-30)

Unit No. 51740100100

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
81	41730138390	Pin	1	
82	41730138400	Dog	1	
83	A15B06X0060	Skt. set scr.	1	M6×6
84	41730138410	Cover	1	
85	A06CB080180	Skt. HD. cap scr.	4	M8×18
86	A11008X0180	Taper pin	1	φ8×18
87	J2600G03500	O-ring	1	G35
88	31730138420	Bracket	1	
89	A06CB080300	Skt. HD. cap scr.	2	M8×30
90	R25YB001120	Micro switch	4	SL1-KK(YAMATAKE HONEVEL)
91	31730138430	Cap	1	
92	A06CB080160	Skt. HD. cap scr.	4	M8×16
93	J2600G04500	O-ring	1	G45
94	J04SH000240	SKY-packing	1	SKY-20
95	31730138440	Cap	1	
96	A06CB080250	Skt. HD. cap scr.	2	M8×25
97	J2600G04500	O-ring	1	G45
98	J04SH000240	SKY-packing	1	SKY-20(SAKAGAMI)
99	J04SH000200	Scraper	1	SDR-20(SAKAGAMI)
100	31730138450	Piston	1	
101	J2600P03400	O-ring	1	P-34
102	31730138461	Sleeve	1	
103	21730138470	Cylinder	1	DENSBAR
104	A06CB080500	Skt. HD. cap scr.	4	M8×50
105	H3600001S80	Plug	4	PT1/8
106	J2600G08000	O-ring	1	G80
107	21730138481	Shifter	1	
108	E000KR22LLO	Cam follower	4	KR22LL(NTN)
109	A15B08X0120	Skt. set scr.	2	M8×12
110	21730138491	Bracket	1	
111	A06CB080700	Skt. HD. cap scr.	2	M8×70
112	41540600730	Washer	2	M8
113				
114				
115	41730138510	Bolt	2	
116	31610117901	Pulley	1	
117	L08MH000160	Timing belt	1	322L050
118	41610117910	Nut	1	
119	41610117920	Washer	1	
120	31610119030	Collar	1	

## HEAD STOCK ASS'Y (1° Orient) (ST-30)

Unit No. 51740100100

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
121	J2600S15000	O-ring	1	S-150
122	31610119050	Collar		
123	31610119062	Collar	1	
124	41610119070	Collar	1	
125	41610119200	Brg.supporter		
126	A06CB060120	Skt. HD. cap scr.	2	M6×12
127	J2600G08000	O-ring		G80
128	J24NV001670	Oil seal		AG2649A0 (NOK)
129	41610119210	Spacer	1	
130	41610119250	Collar	1	
131	31610120691	Adapter		
132	A30TL001240	Locking element		RfN8006 40×45
133	41610120701	Brg.pietainer		
134	A06CB080250	Skt. HD. cap scr.	6	M8×25
135	A12008X0320	Spring pin	2	φ8×32
136	41610123910	Bush		
137	41140101560	Washer	1	
138	41140101830	Spindle pin	1	
139	A06CB100200	Skt. HD. cap scr.	1	M10×20
140	41610120720	Collar		
141	41610120710	Flange		
142	A06CB060200	Skt. HD. cap scr.		M6×20
143	L10MH000170	Flex.coupling		CF-30-1 (MIKI PULLEY)
144	A12005X0160	Spring pin		φ5×16
145	31610117961	Timing pulley	1	
146	E0006005VV0	Ball bearing	2	6005VV
147	A35000S0250	Retain ring	1	S-25
148	41540106560	Spacer	1	
149	31540106570	Adapter	1	
150	A06CB030200	Skt. HD. cap scr.	4	M3×20
151	A06CB060200	Skt. HD. cap scr.	4	M6×20
152				
153	41110100711	Bolt	2	
154	41110118871	Adjustable block	1	
155	A06CB080350	Skt. HD. cap scr.	1	M8×35
156	F02NP000160	Angu ball brg.	1	7021ATDB4+K112CP15U17
157	J2600S07500	O-ring	1	S-75
158	J2600S15000	O-ring	4	S-150(21730138360) (2173013825)
159				
160				

## HEAD STOCK ASS'Y (1° Orient) (ST-30)

Unit No. 51740100100

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
161	31730139790	Plate	1	
162	A16A04X0080	Round.HD.cap.scr.	3	M4×8
163	31730139770	Packing	1	
164	31730139761	Cover	1	
165				
166	A06CB080200	Skt. HD. cap scr.	4	M8×20
167	31730139750	Block	1	
168	J2600P01000	O-ring	1	P-10 (NOK)
169	A06CB080350	Skt. HD. cap scr.	4	M8×35
170	H28TQ130040	Adapter	1	13-04-4 (TOKAI)
171	H23NN000360	Nipple	2	PA6 PT1/8 (NTN)
172	H23NN000310	Elbow	2	PB6 PT1/8 (NTN)
173	H12LA000300	Adapter	3	106001 (LUBE)
174	H12LAM62520	Bushing	3	106252 (LUBE)
175	H12LAM62540	Sleeve	3	106254 (LUBE)
176		Copper pipe	1	φ4×500
177		Stainless pipe	1	φ6×1000
178	H22RH06A000	Union	2	RH-6A (FUJI)
179	H28TQ130060	Elbow	1	13-0606 (TOKAI)
180	H3600001S80	Skt. pipe plug	7	PT 1/8 (HEAD)
181	21710136750	Manifold	1	
182	A06CB080300	Skt. HD. cap scr.	2	M8×30
183	H28TQ120040	Adapter	6	12-0404
184	H23NN000260	Nipple	12	PA8 PT1/8 (NTN)
185		Stainless pipe	1	φ8×2500
186				
187	A43JJ00M080	Spring LK. washer	2	M8
188	A17HB080250	Hex. HD. cap scr.	1	M8×25
189	A40JJ00M080	Hex. nut	1	
190	41730152050	Bush	1	
191	41713514980	Plug	3	Blind-plug
192	41411540140	Plug	3	Blind-plug
193	44780669000	Key	1	Spindle encorder section

HEAD STOCK ASS'Y (1° Orient) (ST-30)				Unit No. 51740100100	
Ref.No.	Parts No.	Parts Name	Qt'y	Remarks	
201	01740138561	Bracket	1		
202	A06CB120350	Skt. HD. cap scr.	7	M12×35	
203	A11008X0350	Taper pin	2	φ8×35	
204	A15A08X0200	Skt. set scr.	1	M8×20	
205	A06CB080250	Skt. HD. cap scr.	4	M8×25	
206	11740138570	Housing	1		
207	J2600P01400	O-ring	3	P-14	
208	41740138580	Pin	3		
209	41740138590	Collar	1		
210	31740138600	Piston	3		
211	J2600P01800	O-ring	3	P18	
212	31740138610	Shaft	1		
213	A34000AW060	Bearing LK. washer	1	AW06	
214	A33000AN060	Bearing LK. nut	1	AN06	
215	31740138621	Bracket	1		
216	A06CB080120	Skt. HD. cap scr.	2	M8×12	
217	R25YB001180	Micro switch	3	SL1-HK(YAMATAKE HONEWEL)	
218	31740138630	Jaw	1		
219	31740138640	Jaw	1		
220	31740138650	Jaw	1		
221	31740138660	Bracket	1		
222	A06CB060120	Skt. HD. cap scr.	2	M6×12	
223	R25YB001110	Micro switch	3	SL1-EK	
224	21740138671	Gear	1		
225	21740138680	Arm	3		
226	A06CB080250	Skt. HD. cap scr.	6	M8×25	
227	A11008X0300	Taper pin	3	φ8×30	
228	41710135030	Dog	3		
229	A15B06X0060	Skt. set scr.	6	M6×6	
230	41710136250	Cover	3		
231	A06CB060120	Skt. HD. cap scr.	12	M6×12	
232	J2600G02000	O-ring	3	G20	
233	J2600P01200	O-ring	3	P12	
234	J04SH001060	Scraper	3	SER12(SAKAGAMI)	
235	41780128550	Packing	2		
236	A06CB080250	Block	4	M8×25	
237	A15B12X0350	Skt. HD. cap scr.	2	M12×35	
238	A40JJ00M120	Skt. set scr.	2	M12	
239	J04SH001050	Hex. nut	3	SER14(SAKAGAMI)	
240	41584205920	Spring	3		

HEAD STOCK ASS'Y (1° Orient) (ST-30)				Unit No. 51740100100	
Ref.No.	Parts No.	Parts Name	Qt'y	Remarks	
241	E00AXK11060	Thrust.brg.	4	AXK1106 (NTN)	
242	41584205910	Spacer	6		
243	F12NN000010	Needle brg.	3	RNA4905S (NTN)	
244	E000AS11060	Thrust.washer	8	AS1106 (NTN)	
.	.	.	.	.	.
410	11710133162	Manifold	1		
411	G16FH000390	Sol-valve	1	SA-G01-C5-C1-11 (NACHI)	
412	G16FH000700	Sol-valve	2	SA-G01-C6-C1-11 (NACHI)	
413	G11FH001060	Reducing valve	2	OG-G01-PC-K-12 (NACHI)	
414	G27FH001090	Modular block	1	OK-G01-P-11 (NACHI)	
420	41735237790	Pressure gauge	1	Shift pressure	
421	41725234810	Pressure gauge	1	Main pressure	
422	41146012521	Pressure gauge	1	Chuck pressure	
423	H3600001S80	Skt. pipe plug	3	PT1/8	
424	A06CB050850	Skt. HD. cap scr.	4	M5×85	
425	A06CB051100	Skt. HD. cap scr.	4	M5×110	
426	A06CB050450	Skt. HD. cap scr.	4	M5×45	
427	H23NN000060	Elbow	2	PB8-PT1/4 (NTN)	
428		Sus pipe	1	φ8×300	
429	H23NN000080	Nipple	2	PA8-PT1/4 (NTN)	
430	H23NN000250	Nipple	3	PA6-PT1/4 (NTN)	
431		SUS-pipe	1	PA6-PT1/4 (NTN)	
432	H23NN002770	Nipple	3	PZA6-PT1/4 (NTN)	
433	H28TQ130060	Adapter	2	12-0606 (TOKAI)	
434	H28TQ120060	Adapter	1	12-0606 (TOKAI)	
435	H28TQ130060	Adapter	1	13-0606 (TOKAI)	
436	H23NN000080	Nipple	2	PA8-PT1/4 (NTN)	

HEAD STOCK ASS'Y (1° Orient)(ST-30)				Unit No. 51740100100	
Ref.No.	Parts No.	Parts Name	Qt'y	Remarks	
450	41730137931	Key	1		
451	31730137941	Spur gear	1		
452	31730137952	Spur gear	1		
453	21730137962	Shaft	1		
454	31730137971	Brg. retainer	1		
456	41730152490	Spacer	1		
457	41730137980	Spacer	1		
458	21730137991	V-pulley	1		
459	21730138001	Housing	1		
460	J2600G08500	O-ring	1	G85	
461	A33000AN120	Brg. LK. nut	1	AN12	
462	A34000AW120	Brg. LK. washer	1	AW12	
463	31730152011	Spur gear	1		
464	21730152022	Gear shift	1		
465	31730152032	Spur gear	1		
466	41730152040	Brg. reatiner	1		
467	E00006011V0	Ball brg.	2	6011V (NSK)	
468	J01AG3038A0	Oil seal	1	AG3038A0 (NOK)	
469	41140101591	Washer	1		
470	41140101601	Nut	1		
471	31730160150	Collar	1		
472	F02NP000350	Angu. C. ball brg.	1set	7209CTDBC8P5 (NSK)	
473	EHR30209P50	Taper roller brg.	2	HR30209P5 (NSK)	
474	41730160160	Spacer	1		

HEAD STOCK ASS'Y (C-axis Control)(ST-30)				Unit No. 51740100200	
Ref.No.	Parts No.	Parts Name	Qt'y	Remarks	
1	01740138696	Head stock	1	(1/2~2/2)	
2	A43JJ00M200	Spring washer	6	M20	
3	A06CB200700	Skt. HD. cap scr.	6	M20×70	
4					
5	11730138021	Spindle	1		
6	F04NP000080	Cyl.roller.brg.	1	NN3024K MBCC9P4U17	
7	J2600S11500	O-ring	1	S115	
8	J2600S10000	O-ring	1	S100	
9	J2600S12000	O-ring	1	S120	
10					
11					
12	41730138051	Key	1		
13	41730138061	Key	1		
14	A1412080550	Key		12×8×55	
15	41730138081	Key	1		
16	A140505020N	Key	1	5×5×20	
17	41730138101	Key	1		
18	A06CB040080	Skt. HD. cap scr.	1	M4×8	
19	41730138110	Key			
20	41730138121	Collar			
21	41730138130	Spacer			
22	31730138141	Super gear	1		
23	31730138150	Collar	1		
24	31730138160	Super gear			
25	A06CB060300	Skt. HD. cap scr.	6	M6×30	
26	31730138170	Super gear			
27	31730138180	Super gear			
28	31730138191	Super gear	1		
29	31730138200	Super gear			
30	A33000AN140	Bearing LK. nut	1	AN14	
31	A34000AW140	Bearing LK. washer	1	AW14	
32	31730138210	Collar	1		
33	31730138221	Nut	1		
34	31730138230	Cover	1		
35	A06CB080200	Skt. HD. cap scr.	3	M8×20	
36	21730138241	Housing	1		
37	A06CB120200	Skt. HD. cap scr.	6	M12×20	
38	31730138251	Collar	1		
39	31730138261	Cover	1		
40	J2600G08000	O-ring	1	G80	

## HEAD STOCK ASS'Y (C-axis Control) (ST-30)

Unit No. 51740100200

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
41	31730138270	Shaft		
42	A34000AW090	Bearing LK. washer	1	AW09
43	A33000AN090	Bearing LK. nut	1	AN09
44	E000NU22090	Cyl.roller.brg.		NU2209
45	A3500050450	Retain ring	1	S-45
46	F02NP000110	Angu.ball.brg.	1	7208CD-C7-P5
47	A34000AW080	Bearing LK. washer	1	AW08
48	A33000AN080	Bearing LK. nut	1	AN08
49	31730138281	Cover	1	
50	A06CB080180	Skt. HD. cap scr.	6	M8×18
51	31730138290	Cover	1	
52	A06CB080180	Skt. HD. cap scr.	4	M8×18
53	J2600G08000	O-ring	1	G80
54	21730138301	Cover	1	
55	A06CB060200	Skt. HD. cap scr.	6	M6×20
56	21730138311	Cover	1	
57	A06CB060200	Skt. HD. cap scr.	4	M6×20
58	21730138320	Shaft with gear		
59	A34000AW090	Bearing LK. washer	1	AW09
60	A33000AN090	Bearing LK. nut	1	AN09
61	E00006209V0	Ball bearing	2	6209V
62	A34000AW100	Bearing LK. washer		AW10
63	A33000AN100	Bearing LK. nut		AN10
64	E0000062790	Ball bearing		6209
65	21730138330	Housing		
66	A06CB120250	Skt. HD. cap scr.	6	M12×25
67	E00006013V0	Ball bearing	2	6013V
68	A35000S0650	Retain ring	1	S-65
69	J2600G10500	O-ring	1	G-105
70	21730138340	Pulley		
71	21730138352	Cover	1	
72	A06CB080200	Skt. HD. cap scr.	4	M8×20
73	J2600S15000	O-ring	1	S-150
74	A06CB060100	Skt. HD. cap scr.	2	M6×10
75	21730138361	Housing	1	
76	41730138371	Piston	2	
77	J2600P04400	O-ring	2	P44
78	J2600P02000	O-ring	2	P20
79	41730138381	Key	1	
80	A06CB040080	Skt. HD. cap scr.	2	M4×8

## HEAD STOCK ASS'Y (C-axis Control) (ST-30)

Unit No. 51740100200

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
81	41730138390	Pin	1	
82	41730138400	Dog	1	
83	A15B06X0060	Skt. set scr.	1	M6×6
84	41730138410	Cover	1	
85	A06CB080180	Skt. HD. cap scr.	4	M8×18
86	A11008X0180	Taper pin	1	φ8×18
87	J2600G03500	O-ring	1	G35
88	31730138420	Bracket	1	
89	A06CB080300	Skt. HD. cap scr.	2	M8×30
90	R25YB001120	Micro switch	4	SL1-KK(YAMATAKE HONEWEL)
91	31730138430	Cap	1	
92	A06CB080160	Skt. HD. cap scr.	4	M8×16
93	J2600G04500	O-ring	1	G45
94	J04SH000240	SKY-packing	1	SKY-20
95	31730138440	Cap	1	
96	A06CB080250	Skt. HD. cap scr.	2	M8×25
97	J2600G04500	O-ring	1	G45
98	J04SH000240	SKY-packing	1	SKY-20(SAKAGAMI)
99	J04SH000200	Scraper	1	SDR-20(SAKAGAMI)
100	31730138450	Piston	1	
101	J2600P03400	O-ring	1	P-34
102	31730138461	Sleeve	1	
103	21730138470	Cylinder	1	DENSBAR
104	A06CB080500	Skt. HD. cap scr.	4	M8×50
105	H3600001S80	Plug	4	PT1/8
106	J2600G08000	O-ring	1	G80
107	21730138481	Shifter	1	
108	E000KR22LL0	Gam follower	4	KR22LL(NTN)
109	A15B08X0120	Skt. set scr.	2	M8×12
110	21730138491	Bracket	1	
111	A06CB080700	Skt. HD. cap scr.	2	M8×70
112	41540600730	Washer	2	M8
113				
114				
115	41730138510	Bolt	2	
116	31610117902	Pulley	1	
117	L08MH000160	Timing belt	1	322L050
118	41610117910	Nut	1	
119	41610117920	Washer	1	
120	31610119030	Collar	1	

## HEAD STOCK ASS'Y (C-axis Control) (ST-30)

Unit No. 51740100200

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
121	J2600S15000	O-ring	1	S-150
122	31610119050	Collar		
123	31610119062	Collar	1	
124	41610119070	Collar	1	
125	41610119200	Brg.supporter		
126	A06CB060120	Skt. HD. cap scr.	2	M6×12
127	J2600G08000	O-ring		G80
128	J24NV001670	Oil seal		AG2649A0 (NOK)
129	41610119210	Spacer	1	
130	41610119250	Collar	1	
131	31610120691	Adapter		
132	A30TL001240	Locking element		RfN8006 40×45
133	41610120701	Brg.pietainer		
134	A06CB080250	Skt. HD. cap scr.	6	M8×25
135	A12008X0320	Spring pin	2	φ8×32
136	41610123910	Bush		
137	41140101560	Washer	1	
138	41140101830	Spindle pin	1	
139	A06CB100200	Skt. HD. cap scr.	1	M10×20
140	41610120720	Collar		
141	41610120710	Flange		
142	A06CB060200	Skt. HD. cap scr.		M6×20
143	L10MH000170	Flex.coupling		CF-30-1 (MIKI PULLEY)
144	A12005X0160	Spring pin		φ5×16
145	31610117961	Timing pulley	1	
146	E0006005VV0	Ball bearing	2	6005VV
147	A35000S0250	Retain ring	1	S-25
148	41540106560	Spacer	1	
149	31540106570	Adapter	1	
150	A06CB030200	Skt. HD. cap scr.	4	M3×20
151	A06CB060200	Skt. HD. cap scr.	4	M6×20
152				
153	41110100711	Bolt	2	
154	41110118871	Adjustable block	1	
155	A06CB080350	Skt. HD. cap scr.	1	M8×35
156	F02NP000160	Angu ball brg.	1	7021ATDB4+K112CP15U17
157	J2600S07500	O-ring	1	S-75
158	J2600S15000	O-ring	4	S-150(21730138360) (2173013825)
159				
160				

## HEAD STOCK ASS'Y (C-axis Control) (ST-30)

Unit No. 51740100200

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
161	31730139790	Plate	1	
162	A16A04X0080	Round.HD.cap.scr.	3	M4×8
163	31730139770	Packing	1	
164	31730139761	Cover	1	
165				
166	A06CB080200	Skt. HD. cap scr.	4	M8×20
167	31730139750	Block	1	
168	J2600P01000	O-ring	1	P10 (NOK)
169	A06CB080350	Skt. HD. cap scr.	4	M8×35
170	H28TQ130040	Adapter	1	13-0404 (TOKAI)
171	H23NN000360	Nipple	2	PA6 PT1/8 (NTN)
172	H23NN000310	Elbow	2	PB6 PT1/8 (NTN)
173	H12LA000300	Adapter	3	106001 (LUBE)
174	H12LAM62520	Bushing	3	106252 (LUBE)
175	H12LAM62540	Sleeve	3	106254 (LUBE)
176		Copper pipe	1	φ4×500
177		Stainless pipe	1	φ6×1000
178	H22RH06A000	Union	2	RH-6A
179	H28TQ130060	Elbow	1	13-0606 (TOKAI)
180	H23NN000970	Tee	1	PD6 PT1/8 (NTN)
181	H3600001S80	Skt. pipe plug	7	PT1/8 (HEAD)
182	H23NN000260	Nipple	3	PA8 PT1/8 (NTN)
183		Stainless pipe	1	φ8×4000
184				
185				
186				
187	A43JJ00M080	Spring LK. washer	2	M8
188	A17HB080250	Hex. HD. cap scr.	1	M8×25
189	A40JJ00M080	Hex. nut	1	M8
190	41730152050	Bush	1	
191	41713514980	Plug	3	Blind-plug
192	41411540140	Plug	3	Blind-plug
193	44780166900	Key	1	Spindle encoder section

HEAD STOCK ASS'Y (C-axis equipped) (ST-30)				Unit No. 51740100200	
Ref.No.	Parts No.	Parts Name	Qt'y	Remarks	
281					
282					
283					
284					
285	01740138701	Housing	1		
286	A06CB120350	Skt. HD. cap scr.	7	M12×35	
287	A11008X0400	Taper pin	4	φ8×40	
288					
289	G29KW000630	Oil-cap	1	KRM-B17 (KYOWA)	
290	41740138711	Bracket	1		
291	A06CB080120	Skt. HD. cap scr.	2	M8×12	
292	R26YB001850	Proximity switch	1	FL1-2E6 (YAMATAKE HONEWEL)	
293	A141008055N	Key	2	10×8×55	
294	41740138730	Collar	1		
295	41740138740	Cover	1		
296	A06CB080220	Skt. HD. cap scr.	6	M8×22	
297	41740138750	Fork	1		
298	41740138760	Collar	1		
299	41740138770	Collar	1		
300	21740138781	Shaft	1		
301	A34000AW080	Bearing LK. washer	1	AW08	
302	A33000AN080	Bearing LK. nut	1	AN08	
303	A34000AW090	Bearing LK. washer	1	AW09	
304	A33000AN090	Bearing LK. nut	1	AN09	
305	F02NN001470	Ball bearing	1	7208ADTP5 (NTN)	
306	J2600G03500	O-ring	1	G35	
307	J01AC2847E0	Oil seal	1	AC2847E0 (NOK)	
308	F02NN001480	Ball bearing	1	7016AP5 (NTN)	
309	41740138790	Collar	1		
310	41740138800	Collar	2		
311	41740138810	Collar	1		
312	41740138820	Collar	1		
313	41740138830	Bracket	1		
314	A06CB060120	Skt. HD. cap scr.	2	M6×12	
315	R25YB001120	Micro switch	2	SL1-KK (YAMATAKE HONEWEL)	
316	31740138840	Fly wheel	1		
317	A06CB080180	Skt. HD. cap scr.	8	M8×18	
318	A11008X0250	Taper pin	2	φ8×25	
319	31740138850	Cylinder	1		
320	A06CB080300	Skt. HD. cap scr.	3	M8×30	

HEAD STOCK ASS'Y (C-axis equipped) (ST-30)				Unit No. 51740100200	
Ref.No.	Parts No.	Parts Name	Qt'y	Remarks	
321	J04SH000240	Packing	1	SKY-20 (SAKAGAMI)	
322	31740138860	Piston	1		
323	J2600P02400	O-ring	1	P24	
324	31740138871	Super gear	1		
325	31740138880	Super gear	1		
326	31740138891	Bushing	1		
327	A06CB080250	Skt. HD. cap scr.	3	M8×25	
328	J2600G05000	O-ring	1	G50	
329	31740138900	Retainer	1		
330	A06CB080180	Skt. HD. cap scr.	4	M8×18	
331					
332	J01AC3040A0	Oil seal	1	AC3040A0 (φ55) (NOK)	
333					
334	31740138910	Housing	1		
335	A15C08X0150	Skt. set scr.	2	8×15	
336	31740138920	Retainer	1		
337	A06CB060180	Skt. HD. cap scr.	6	M6×18	
338	31740138931	Base	1		
339	A06CB080250	Skt. HD. cap scr.	10	M8×25	
340	21740138940	Rod	1		
341	A06CB080300	Skt. HD. cap scr.	8	M8×30	
342	J2600P02900	O-ring	4	P29	
343	H3600001S80	Skt. pipe plug	2	PT1/8	
344	J2600P05000	O-ring	2	P50	
345	21740138950	Rod	1		
346	21740138962	Housing	1		
347	21740138971	Shaft	1		
348	H3600001S80	Skt. pipe plug	1	PT1/8	
349	A40JJ00M200	Hex. nut	1	M20	
350	A34000AW080	Bearing LK. washer	1	AW08	
351	A33000AN080	Bearing LK. nut	1	AN08	
352	E007208CDB0	Ball bearing	1	7208CDBP5 (NTN)	
353	21740138982	Bushing	1		
354	A06CB080180	Skt. HD. cap scr.	3	M8×18	
355	J2600P06200	O-ring	1	P62	
356	J04SH000090	SKY-packing	1	SKY-45 (SAKAGAMI)	
357	21740138991	Bracket	1		
358	A06CB080180	Skt. HD. cap scr.	4	M8×18	
359	A11008X0250	Taper pin	2	φ8×25	
360	F31DG000010	Bushing	1	MB1208DU (DAIDO)	

## HEAD STOCK ASS'Y (C-axis equipped) (ST-30)

Unit No. 51740100200

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
361	31710132040	Cap	2	
362	A06CB080200	Skt. HD. cap scr.	8	M8×20
363	J2600G03500	O-ring	2	G35
364	J2600P050A0	O-ring	2	P50A
365	31710132051	Block	2	
366	41710132100	Cap	1	
367	A06CB060160	Skt. HD. cap scr.	4	M6×16
368	J04SH000240	Packing	1	SKY-20 (SAKAGAMI)
369	J2600G02500	O-ring	1	G25
370	41710132371	Dog	1	
371	A16B04X0080	Machine.scr.	2	M4×8
372	41710133211	Plate	2	
373	A16B05X0140	Machine.scr.	6	M5×4
374	41710133220	Spring	2	
375	41710135171	Dog	1	
376	A06CB050080	Skt. HD. cap scr.	2	M5×8
377	41710135190	Bracket	1	
378	A06CB060120	Skt. HD. cap scr.	2	M6×12
379	R26YB001050	Proximity switch	1	FL1-2E6 (YAMATAKE HONEWEL)
380	41710135224	Rod	1	
381	G20SV005670	Cylinder	1	CDMFN25-15T-58
382	A06CB060140	Skt. HD. cap scr.	2	M6×14
383	41710135980	Bracket	1	
384	A06CB080120	Skt. HD. cap scr.	2	M8×12
385	41780128550	Block	2	
386	A06CB080250	Skt. HD. cap scr.	4	M8×25
387	A15B12X0350	Skt. set scr.	2	M12×35
388	A40JJ00M120	Hex. nut	2	M12
389	41780128330	Nut	1	
390	A43JJ00M100	Spring.LK. washer	1	M10
391	41780128350	Collar	1	
392	A06CB120400	Skt. HD. cap scr.	6	M12×40
393	A11F10X0400	Taper pin	2	φ10×40
394	N20HJ000700	Harmonic.drive	1	CS-50-90-2A (HARMONIC)
395	A06CB080450	Skt. HD. cap scr.	6	M8×45
396	A11F10X0400	Taper pin	2	φ10×40
397	A41JJ00M120	F.Washer	7	M12
398	41780128550	Block	2	
399	A06CB080250	Skt. HD. cap scr.	4	M8×25
400	A15B12X0350	Skt. set scr.	2	M12×35

## HEAD STOCK ASS'Y (C-axis equipped) (ST-30)

Unit No. 51740100200

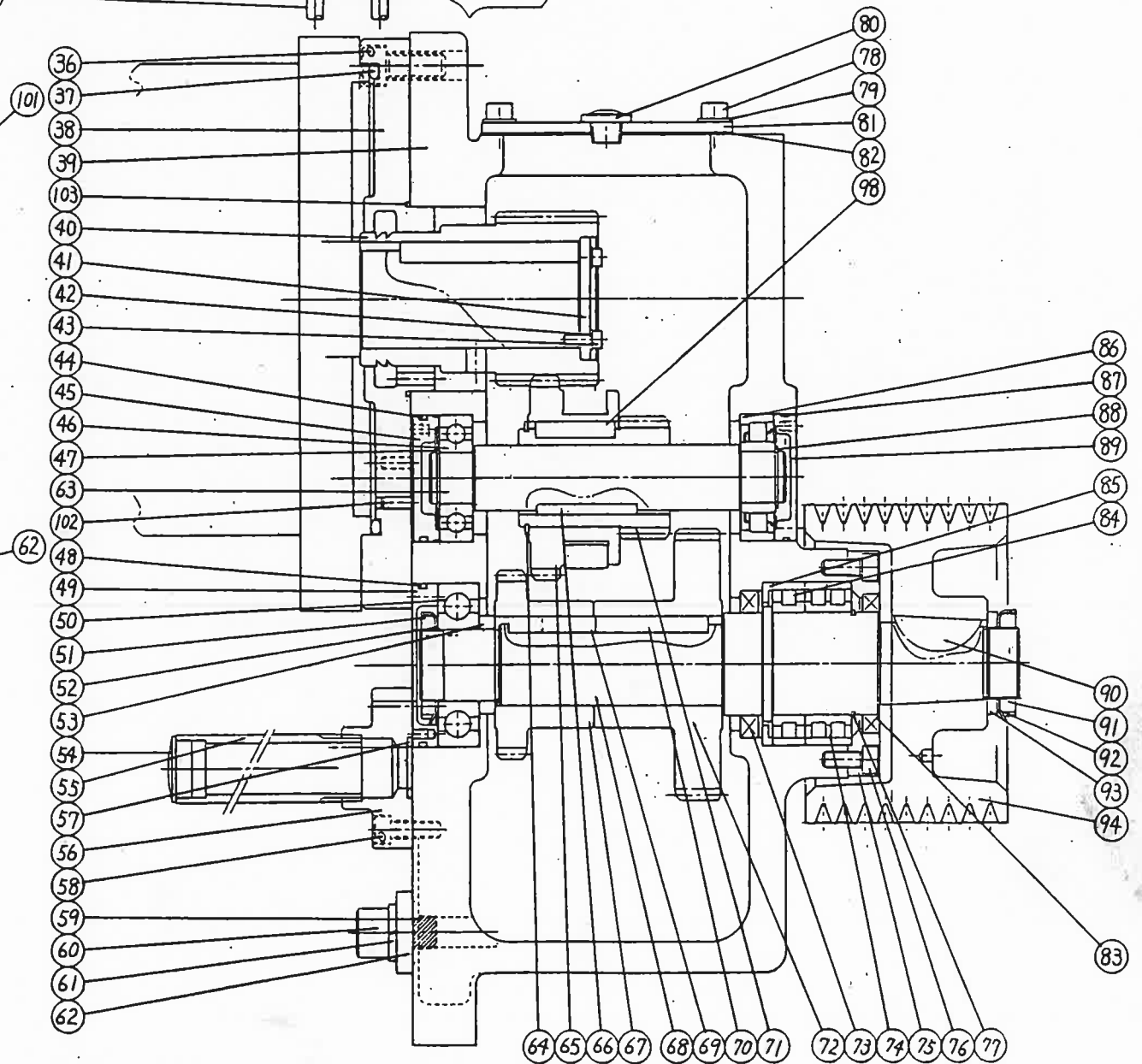
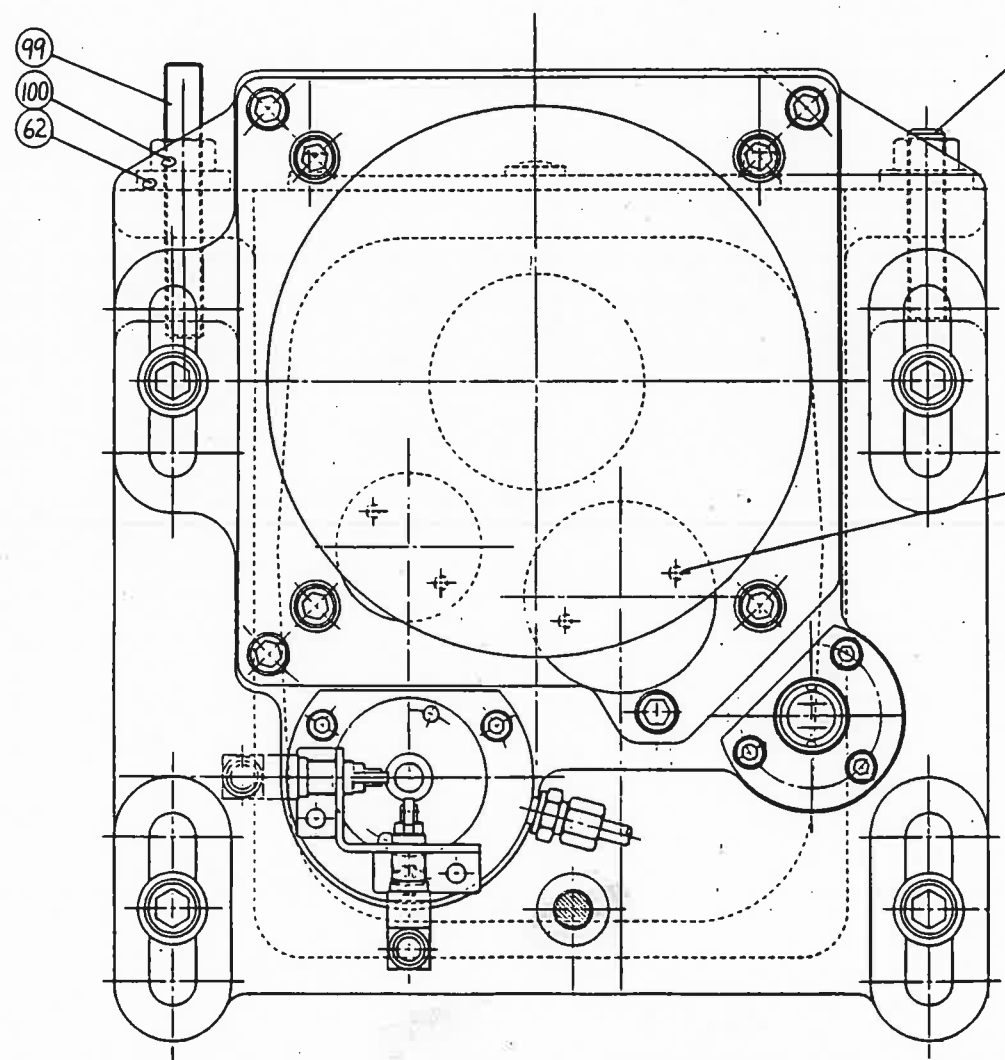
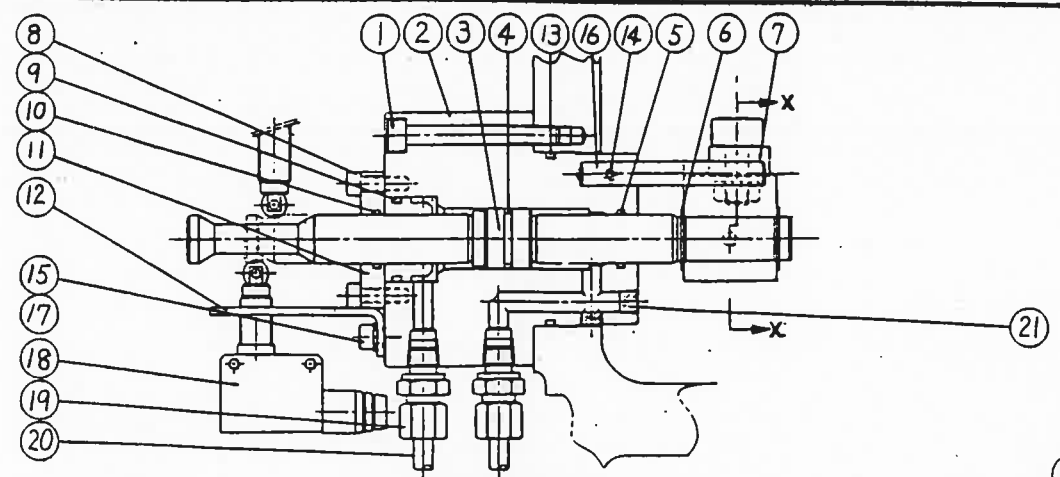
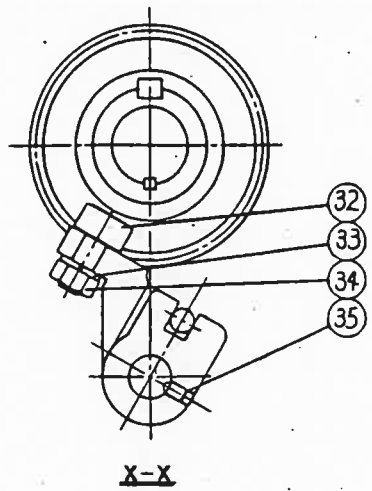
Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
401	A40JJ00M120	Hex. nut	2	M12
402	41740139780	Packing	1	
403	41720152530	Pipe	1	
404	G29KW000860	Oil gauge	1	KDM-20 (KYOWA)
405	H3600001S20	Skt. pipe plug	1	PT1/2
406				
407				
408				
409				
410	11710133162	Manifold	1	
411	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11 (NACHI)
412	G16FH000700	Solenoid valve	2	SA-G01-C6-C1-11 (NACHI)
413	G11FH001060	Reducing valve	2	OG-G01-PC-K-12 (NACHI)
414	G27FH001090	Modular block	1	OK-G01-P-11 (NACHI)
415	41710152520	Guide	1	
416	A06CB050120	Skt. HD. cap scr.	2	M5×12
417	A41JJ00M050	Washer	2	M5
418				
419				
420	41735237790	Pressure gauge	1	Shift pressure
421	41725234810	Pressure gauge	1	Main pressure
422	41146012521	Pressure gauge	1	Chuck pressure
423	H3600001S80	Skt. pipe plug	3	PT1/8
424	A06CB050850	Skt. HD. cap scr.	4	M5×85
425	A06CB051100	Skt. HD. cap scr.	4	M5×110
426	A06CB050450	Skt. HD. cap scr.	4	M5×45
427	H23NN000060	Elbow	2	PB8-PT1/4 (NTN)
428		Sus pipe	1	φ8×300
429	H23NN000080	Nipple	2	PA8-PT1/4 (NTN)
430	H23NN000250	Nipple	3	PA6-PT1/4 (NTN)
431		SUS-pipe	1	PA6-PT1/4 (NTN)
432	H23NN002770	Nipple	3	PZA6-PT1/4 (NTN)
433	H28TQ130060	Adapter	2	12-0606 (TOKAI)
434	H28TQ120060	Adapter	1	12-0606 (TOKAI)
435	H28TQ130060	Adapter	1	13-0606 (TOKAI)
436	H23NN000080	Nipple	2	PA8-PT1/4 (NTN)



## HEAD STOCK ASS'Y (C-axis equipped)

Unit No. 51740100200

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
450	41730137931	Key	1	
451	31730137941	Spur gear	1	
452	31730137952	Spur gear	1	
453	21730137962	Shaft	1	
454	31730137971	Brg. retainer	1	
456	41730152490	Spacer	1	
457	41730137980	Spacer	1	
458	21730137991	V-pulley	1	
459	21730138001	Housing	1	
460	J2600G08500	O-ring	1	G85
461	A33000AN120	Brg. LK. nut	1	AN12
462	A34000AW120	Brg. LK. washer	1	AW12
463	31730152011	Spur gear	1	
464	21730152022	Gear shift	1	
465	31730152032	Spur gear	1	
466	41730152040	Brg. retainer	1	
467	E00006011V0	Ball brg.	2	6011V (NSK)
468	J01AG3038A0	Oil seal	1	AG3038A0 (NOK)
469	41140101591	Washer	1	
470	41140101601	Nut	1	
471	31730160150	Collar	1	
472	F02NP000350	Angu. C. ball brg.	1set	7209CTDBC8P5 (NSK)
473	EHR30209P50	Taper roller brg.	2	HR30209P5 (NSK)
474	41730160160	Spacer	1	



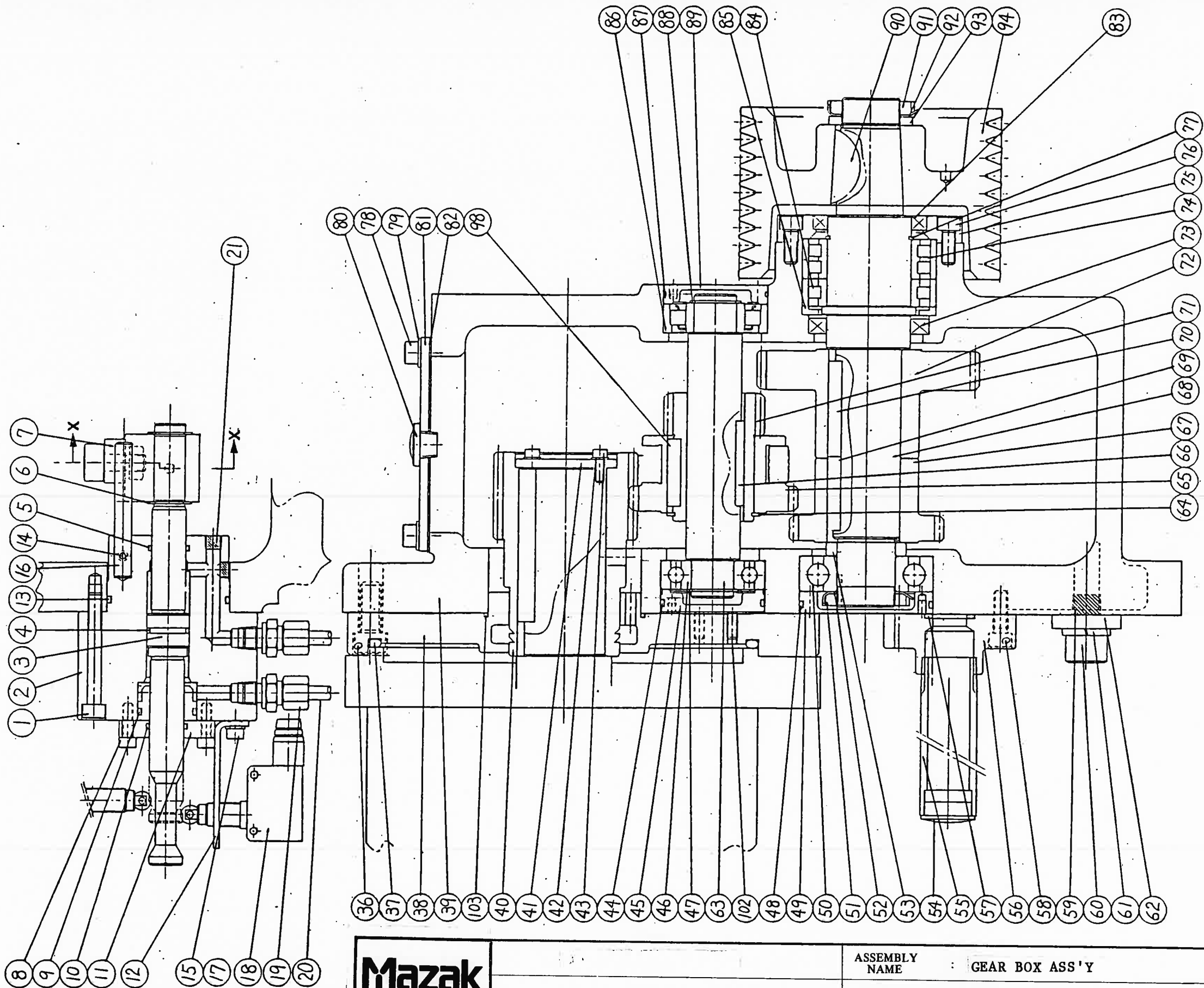
**Mazak**

SPECIFICATION  
APPLY :

ASSEMBLY NAME : GEAR BOX ASS'Y

DRAWING NO : 017110A0040

Page  
2-1



**Mazak**

ASSEMBLY NAME : GEAR BOX ASS'Y

DRAWING NO : 017110A0040

## GEAR BOX ASS'Y (STANDARD) (AC20, 25HP, 3000 rpm) (ST-25)

Unit No. 51711001100

No.	Parts No.	Parts name	Q'ty	Remarks
1	A06CB080650	Skt. HD. cap scr.	3	M8×65
2	11711007430	Housing	1	
3	21711007440	Rod	1	
4	J2600P02100	O-ring	1	P21
5	J2600P02000	O-ring	1	P20
6	A35000S0180	Retain ring	2	18
7	31431005560	Shifter	1	
8	A06CB060200	Skt. HD. cap scr.	1	M6×20
9	J2600G03000	O-ring	1	G30
10	J2600G02000	O-ring	1	P20
11	41431005540	Cap	1	
12	31711007450	Bracket	1	
13	J2600G06500	O-ring	1	G65
14	A15C06X0120	Skt. set scr.	1	M6×12 (Cone p.)
15	A06CB060160	Skt. HD. cap scr.	2	M6×16
16	A10010X0800	Parallel pin	1	φ10h7×80
17	A41JJ00M060	Washer	2	M6
18	R25YB001110	Micro switch	2	SL1-EK(YAMATAKE HONEWEL)
19	H23NN000080	Nipple	2	PA8PT1/4 (NTN)
20		Stainless pipe	1	φ8×3000
21	A3600001S80	Skt. pipe plug	2	PT1/8
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32	E000KR22LLO	Cam follower	1	KR22LL (NTN)
33	A43JJ00M100	Spring washer	1	M10
34	A40JJ00M100	Hex. nut	1	M10
35	A15C06X0100	Skt. set scr.	1	M6×10 (Cone p.)
36	A06CB120350	Skt. HD. cap scr.	4	M12×35
37	J2600G22000	O-ring	1	G220
38	11434210151	Base	1	
39	01711007300	Box	1	
40	31431005251	Super gear	1	

## GEAR BOX ASS'Y (STANDARD) (AC20, 25HP, 3000 rpm) (ST-25)

Unit No. 51711001100

No.	Parts No.	Parts name	Q'ty	Remarks
41	41431005500	Cap	1	
42	A41JJ00M050	Washer	3	M5
43	A06CB050140	Skt. HD. cap scr.	3	M5×14
44	J2600G05500	O-ring	1	G55
45	41431005321	Cap	1	
46	E0000063050	Ball bearing	1	6305 (NSK)
47	A35000S2050	Retain ring	1	S25
48	J2600G07500	O-ring	1	G75
49	41711007380	Cap	1	
50	E0000063070	Ball bearing	1	6307 (NSK)
51	A33000AN070	Bearing LK. nut	1	AN07
52	A34000AW070	Bearing LK. washer	1	AW07
53	41711007390	Collar	1	
54	G29KH000380	Oil gauge	1	VA-HL (KOUHOU)
55	31711005671	Pipe	1	
56	41431005441	Bracket	1	
57	J2600G02500	O-ring	1	G25
58	A06CB080250	Skt. HD. cap scr.	3	M8×25
59	H3600003S80	Skt. pipe plug	1	3/8
60	A06CB160600	Skt. HD. cap scr.	4	M16×60
61	A43JJ00M160	Spring washer	4	For M16
62	41431005910	Washer	6	
63	31711007351	Shaft	1	
64	A35000S0480	Retain ring	1	S-48
65	31431005260	Super gear	1	
66	A1405050650	Key	1	
67	31431005280	Super gear	1	
68	21711007320	Shaft	1	
69	A1910080500	Key	1	10×8×50
70	A1912080500	Key	1	12×8×50
71	31711007360	Super gear	1	
72	21711007370	Super gear	1	
73	J01AC2861E0	Oil seal	1	AC2861ED(S type) (NOK)
74	F04NP000900	Roller bearing	1	NN3010CC1P5
75	41711007330	Cap	1	
76	A06CB080200	Skt. HD. cap scr.	4	M8×20
77	A35000S0500	Retain ring	1	S-50
78	A06CB080160	Skt. HD. cap scr.	4	M8×16
79	A41JJ00M080	Washer	4	M8
80	G32KW000020	Oil cap	1	KRM-A2 (KYOWA)

## GEAR BOX ASS'Y (STANDARD) (AC20, 25HP, 3000 rpm) (ST-25)

Unit No. 51711001100

No.	Parts No.	Parts name	Q'ty	Remarks
81	31431005461	Plate	1	
82	31431005470	Packing	1	
83	J01AC2847E0	Oil seal	1	AC2847E0(SC type) (NOK)
84	E0000N10100	Roller bearing	1	N1010 (NSK)
85	41431005800	Spacer	1	
86	E0000NF3050	Roller bearing	1	NF305 (NSK)
87	J2600S05600	O-ring	1	S56
88	A35000S0250	Retain ring	1	S25
89	41711007340	Cap	1	
90	A18010X0450	Woodruff key	1	10×45
91	A33000AN070	Bearing LK. nut	1	AN07
92	A34000AW070	Bearing LK. washer	1	AW07
93	41431005430	Washer	1	
94	21711007310	Pulley	1	20.25HP 3000 rpm

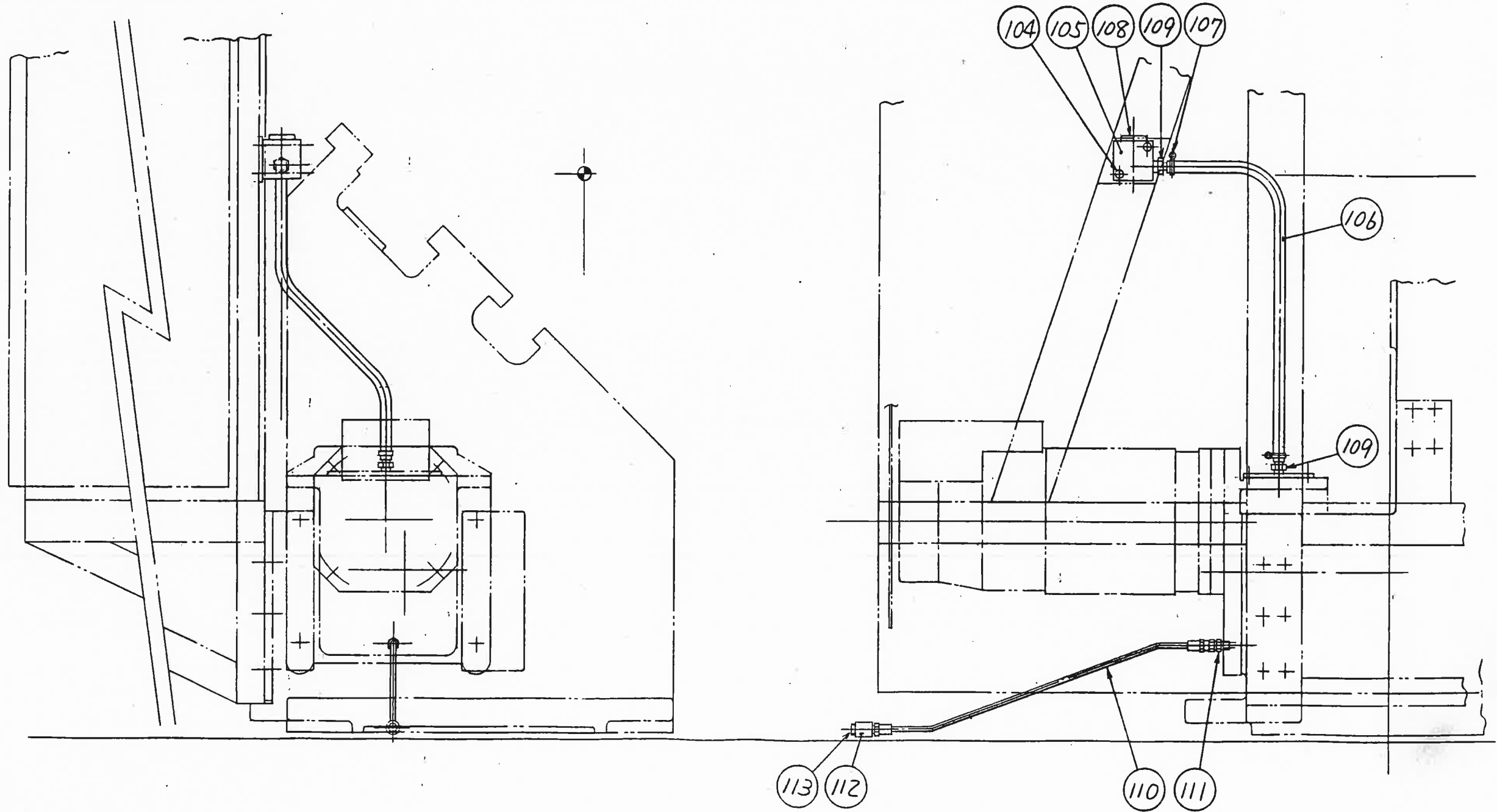
## GEAR BOX ASS'Y (STANDARD) (AC20, 25HP, 4000 rpm) (ST-25)

Unit No. 51711001200

No.	Parts No.	Parts name	Q'ty	Remarks
1	A06CB080650	Skt. HD. cap scr.	3	M8×65
2	11711007430	Housing	1	
3	21711007440	Rod	1	
4	J2600P02100	O-ring	1	P21
5	J2600P02000	O-ring	1	P20
6	A35000S0180	Retain ring	2	18
7	31431005560	Shifter	1	
8	A06CB060200	Skt. HD. cap scr.	1	M6×20
9	J2600G03000	O-ring	1	G30
10	J2600G02000	O-ring	1	P20
11	41431005540	Cap	1	
12	31711007450	Bracket	1	
13	J2600G06500	O-ring	1	G65
14	A15C06X0120	Skt. set scr.	1	M6×12 (Cone p.)
15	A06CB060160	Skt. HD. cap scr.	2	M6×16
16	A10010X0800	Parallel pin	1	φ10h7×80
17	A41JJ00M060	Washer	2	M6
18	R25YB001110	Micro switch	2	SL1-EK(YAMATAKE HONEWEL)
19	H23NN000080	Nipple	2	PA8PT1/4 (NTN)
20		Stainless pipe	1	φ8×3000
21	A3600001S80	Skt. pipe plug	2	PT1/8
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32	E000KR22LL0	Cam follower	1	KR22LL (NTN)
33	A43JJ00M100	Spring washer	1	M10
34	A40JJ00M100	Hex. nut	1	M10
35	A15C06X0100	Skt. set scr.	1	M6×10 (Cone p.)
36	A06CB120350	Skt. HD. cap scr.	4	M12×35
37	J2600G22000	O-ring	1	G220
38	11434210151	Base	1	
39	01711007300	Box	1	
40	31431005251	Super gear	1	

GEAR BOX ASS'Y (STANDARD) (AC20, 25HP, 4000 rpm) (ST-25)				Unit No. 51711001200
No.	Parts No.	Parts name	Q'ty	Remarks
41	41431005500	Cap	1	
42	A41JJ00M050	Washer	3	M5
43	A06CB050140	Skt. HD. cap scr.	3	M5×14
44	J2600G05500	O-ring	1	G55
45	41431005321	Cap	1	
46	E0000063050	Ball bearing	1	6305 (NSK)
47	A35000S2050	Retain ring	1	S25
48	J2600G07500	O-ring	1	G75
49	41711007380	Cap	1	
50	E0000063070	Ball bearing	1	6307 (NSK)
51	A33000AN070	Bearing LK. nut	1	AN07
52	A34000AW070	Bearing LK. washer	1	AW07
53	41711007390	Collar	1	
54	G29KH000380	Oil gauge	1	VA-HL (KOUHOU)
55	31711005671	Pipe	1	
56	41431005441	Bracket	1	
57	J2600G02500	O-ring	1	G25
58	A06CB080250	Skt. HD. cap scr.	3	M8×25
59	H3600003S80	Skt. pipe plug	1	3/8
60	A06CB160600	Skt. HD. cap scr.	4	M16×60
61	A43JJ00M160	Spring washer	4	For M16
62	41431005910	Washer	6	
63	31711007351	Shaft	1	
64	A35000S0480	Retain ring	1	S-48
65	31431005260	Super gear	1	
66	A1405050650	Key	1	
67	31431005280	Super gear	1	
68	21711007320	Shaft	1	
69	A1910080500	Key	1	10×8×50
70	A1912080500	Key	1	12×8×50
71	31711007360	Super gear	1	
72	21711007370	Super gear	1	
73	J01AC2861E0	Oil seal	1	AC2861ED(S type) (NOK)
74	F04NP000900	Roller bearing	1	NN3010CC1P5
75	41711007330	Cap	1	
76	A06CB080200	Skt. HD. cap scr.	4	M8×20
77	A35000S0500	Retain ring	1	S-50
78	A06CB080160	Skt. HD. cap scr.	4	M8×16
79	A41JJ00M080	Washer	4	M8
80	G32KW000020	Oil cap	1	KRM-A2 (KYOWA)

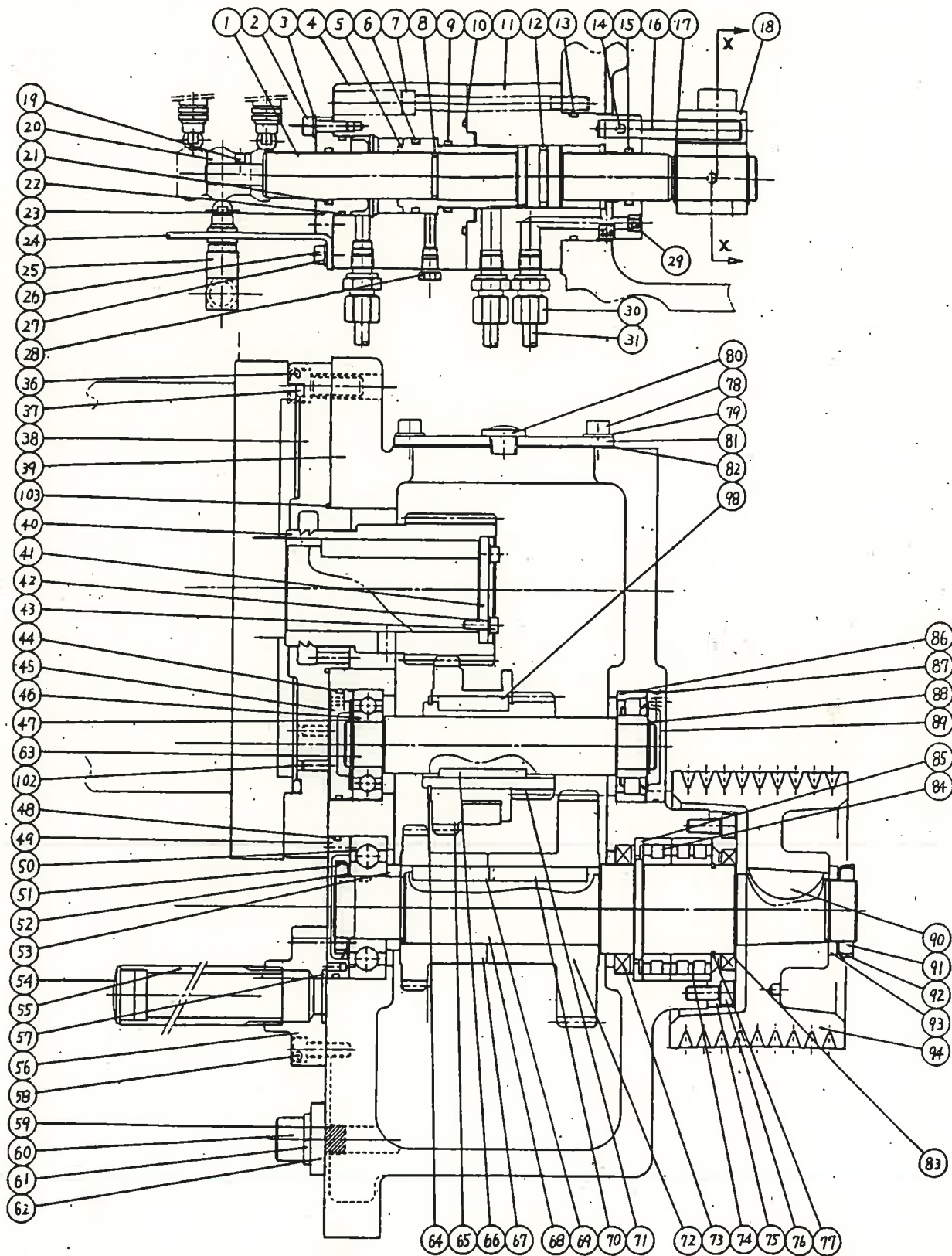
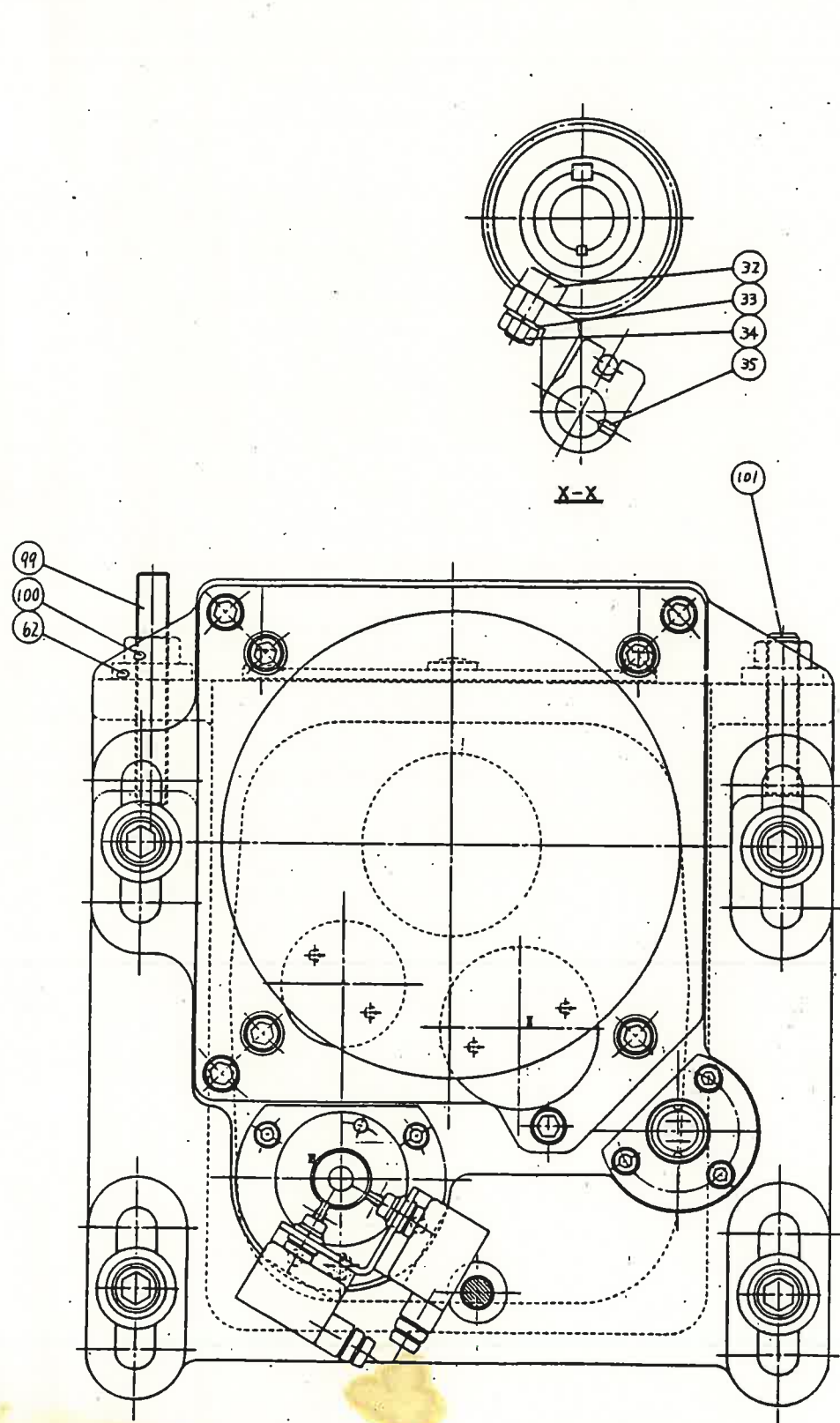
GEAR BOX ASS'Y (STANDARD) (AC20, 25HP, 4000 rpm) (ST-25)				Unit No. 51711001200
No.	Parts No.	Parts name	Q'ty	Remarks
81	31431005461	Plate	1	
82	31431005470	Packing	1	
83	J01AC2847E0	Oil seal	1	AC2847E0(SC type) (NOK)
84	E0000N10100	Roller bearing	1	N1010 (NSK)
85	41431005800	Spacer	1	
86	E0000NF3050	Roller bearing	1	NF305 (NSK)
87	J2600S05600	O-ring	1	S56
88	A35000S0250	Retain ring	1	S25
89	41711007340	Cap	1	
90	A18010X0450	Woodruff key	1	10×45
91	A33000AN070	Bearing LK. nut	1	AN07
92	A34000AW070	Bearing LK. washer	1	AW07
93	41431005430	Washer	1	
94	21711205080	Pulley	1	20.25HP 4000 rpm



GEAR BOX ASS'Y (STD.) (AC20, 25HP, 3000 rpm) (ST-25)				Unit No. 51711001100
No.	Parts No.	Parts name	Q'ty	Remarks
104	A06CB080800	Skt. HD. cap scr.	2	M8×80
105	41711008010	Block	1	(DENSBER)
106		Spring hose	1	S19×1000
107	H25UY000050	Hose band	2	AH-1025 (SUGITA)
108	G32KW000040	Oil cap	1	KRM-A4 (KYOUWA)
109	H25UY000320	Hose joint	2	H-1025 (SUGITA)
110	41711008030	Hose	1	(TOUKAI)
111	H28TQ120060	Adapter	1	12-0606 (TOUKAI)
112	H23NN002270	Socket	1	SCS-PT3/8 (NTN)
113	H3600003S80	Skt. pipe plug	1	PT3/8 (NTN)

GEAR BOX ASS'Y (C-axis) (AC20, 25HP, 3000 rpm) (ST-25)				Unit No. 51721000100
No.	Parts No.	Parts name	Q'ty	Remarks
104	A06CB080800	Skt. HD. cap scr.	2	M8×80
105	41711008010	Block	1	(DENSBER)
106		Spring hose	1	S-19×1000
107	H25UY000050	Hose band	2	AH-1025 (SUGITA)
108	G32KW000040	Oil cap	1	KRM-A4 (KYOUWA)
109	H25UY000320	Hose joint	2	H-1025 (SUGITA)
110	41711008030	Hose	1	(TOUKAI)
111	H28TQ120060	Adapter	1	12-0606 (TOUKAI)
112	H23NN002270	Socket	1	SCS-PT3/8 (NTN)
113	H3600003S80	Skt. pipe plug	1	PT3/8 (NTN)



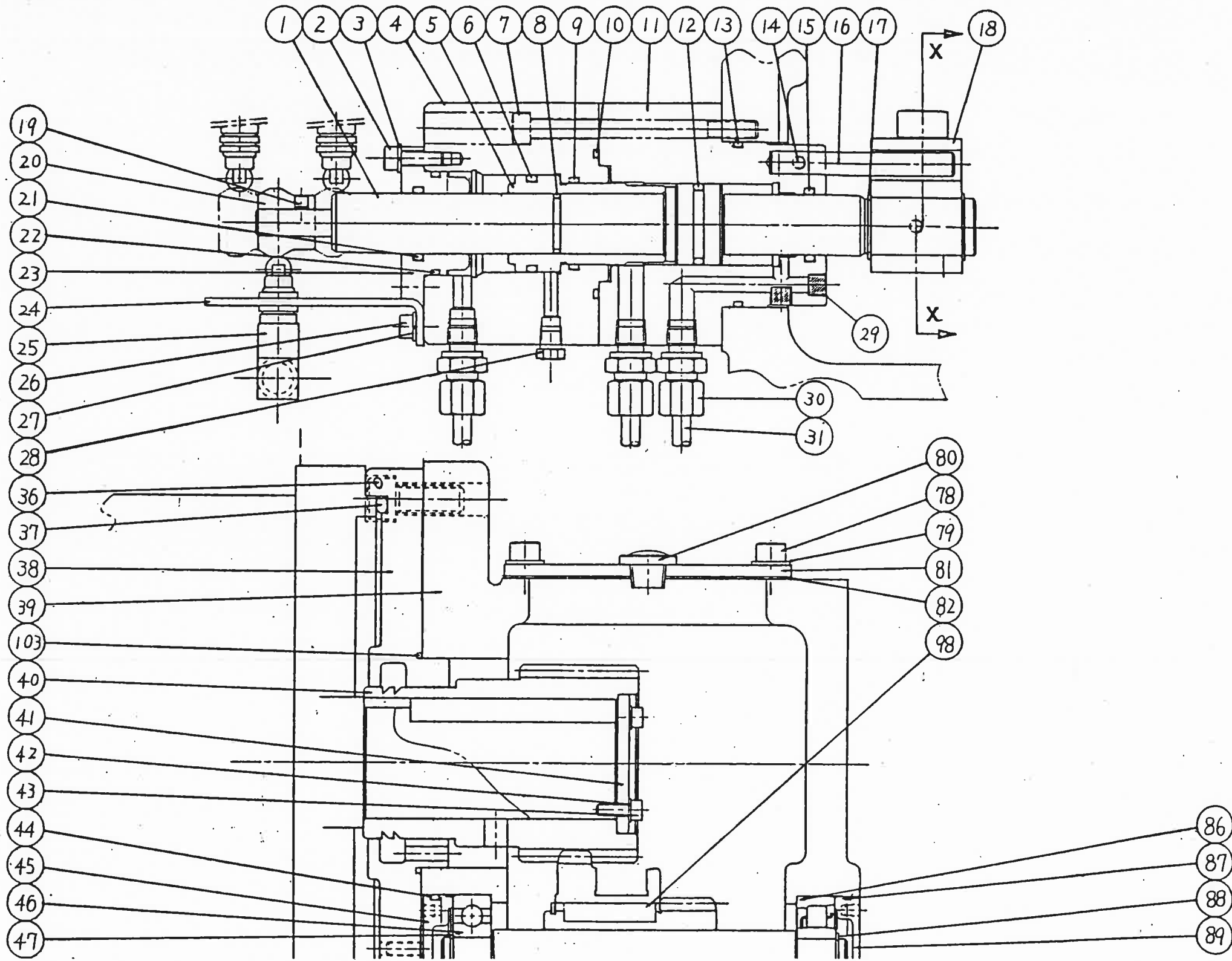


**Mazak**

SPECIFICATION APPLY : (For C-axis type)

ASSEMBLY NAME : GEAR BOX ASS'Y

DRAWING NO : 017210A0010



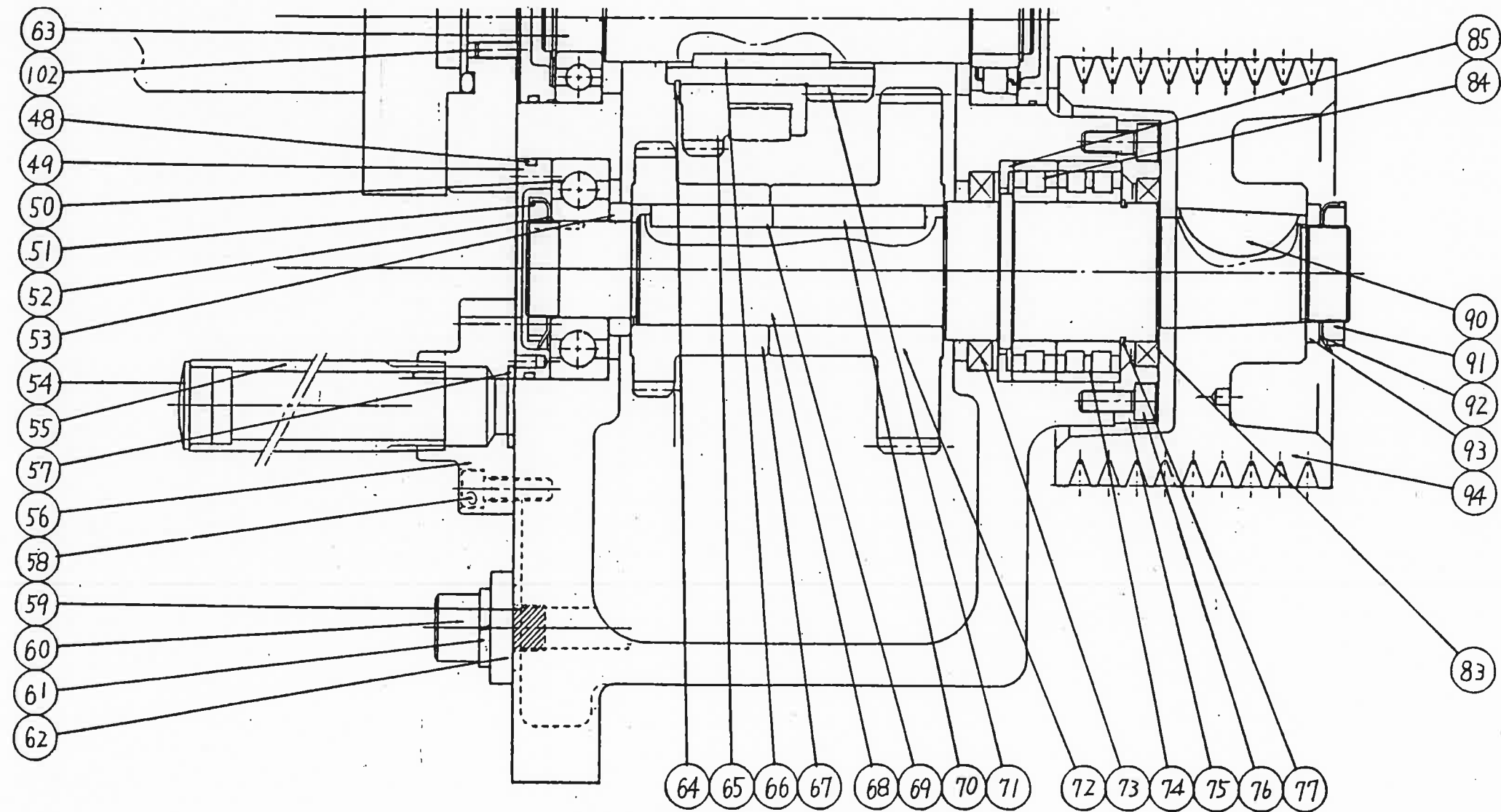
**Mazak**

SPECIFICATION APPLY : (For C-axis type)

ASSEMBLY NAME : GEAR BOX ASS'Y

DRAWING NO : 017210A0010

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**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC M/C

SPECIFICATION APPLY : (For C-axis type)

ASSEMBLY NAME : GEAR BOX ASS'Y

DRAWING NO : 017210A0010

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## GEAR BOX ASS'Y (For C-axis type) (ST-25)

Unit No. 51721000100

No.	Parts No.	Parts name	Q'ty	Remarks
1	21721007410	Piston	1	
2	A06CB060200	Skt. HD. cap scr.	2	M6×20
3	A43JJ00M060	Spring washer	2	M6
4	21711005591	Cylinder	1	
5	31711005620	Piston	1	
6	J2600P03600	O-ring	1	P-36
7	A06CB081000	Skt. HD. cap scr.	3	M8×100
8	J2600P02200	O-ring	1	P22
9	H2600P03500	O-ring	1	P35
10	J2600G06000	O-ring	1	G60
11	21721007400	Cylinder	1	
12	J2600P02900	O-ring	1	P29
13	J2600G06500	O-ring	1	G65
14	A15B06X0120	Skt. set scr.	1	M6×12 (Flat p.)
15	J2600P02600	O-ring	1	P26
16	A10010X0800	Parallel pin	1	φ10h7×80
17	A35000S0240	Retain ring	2	S24
18	31431005400	Shifter	1	
19	A15B06X0060	Skt. set scr.	2	M6×6 (Flat p.)
20	41711005570	Dog	1	
21	J2600P02600	O-ring	1	P26
22	J2600G04000	O-ring	1	G40
23	41440127290	Cap	1	
24	31721007420	Bracket	1	
25	R25YB001120	Micro switch	3	SL1-KK
26	A06CB060160	Skt. HD. cap scr.	2	M6×16
27	A43JJ00M060	Spring washer	2	
28	G51SV000520	BC element	1	(SHOUKETSU)
29	H3600001S80	Skt. pipe plug	2	PT1/8
30	H23NN000080	Nipple	3	PA8PT1/4 (NTN)
31		Stainless pipe	1	φ8×3000
32	E000KR22LLO	Cam follower	1	KR22LL (NTN)
33	A43JJ00M100	Spring washer	1	M10
34	A40JJ00M100	Hex. nut	1	M10
35	A15C06X0100	Skt. set scr. (Cone p.)	1	M6×10
36	A06CB120350	Skt. HD. cap scr.	4	M12×35
37	J2600G22000	O-ring	1	G220
38	11434210151	Base	1	
39	01711007300	Box	1	
40	31431005251	Super gear	1	

## GEAR BOX ASS'Y (For C-axis type) (ST-25)

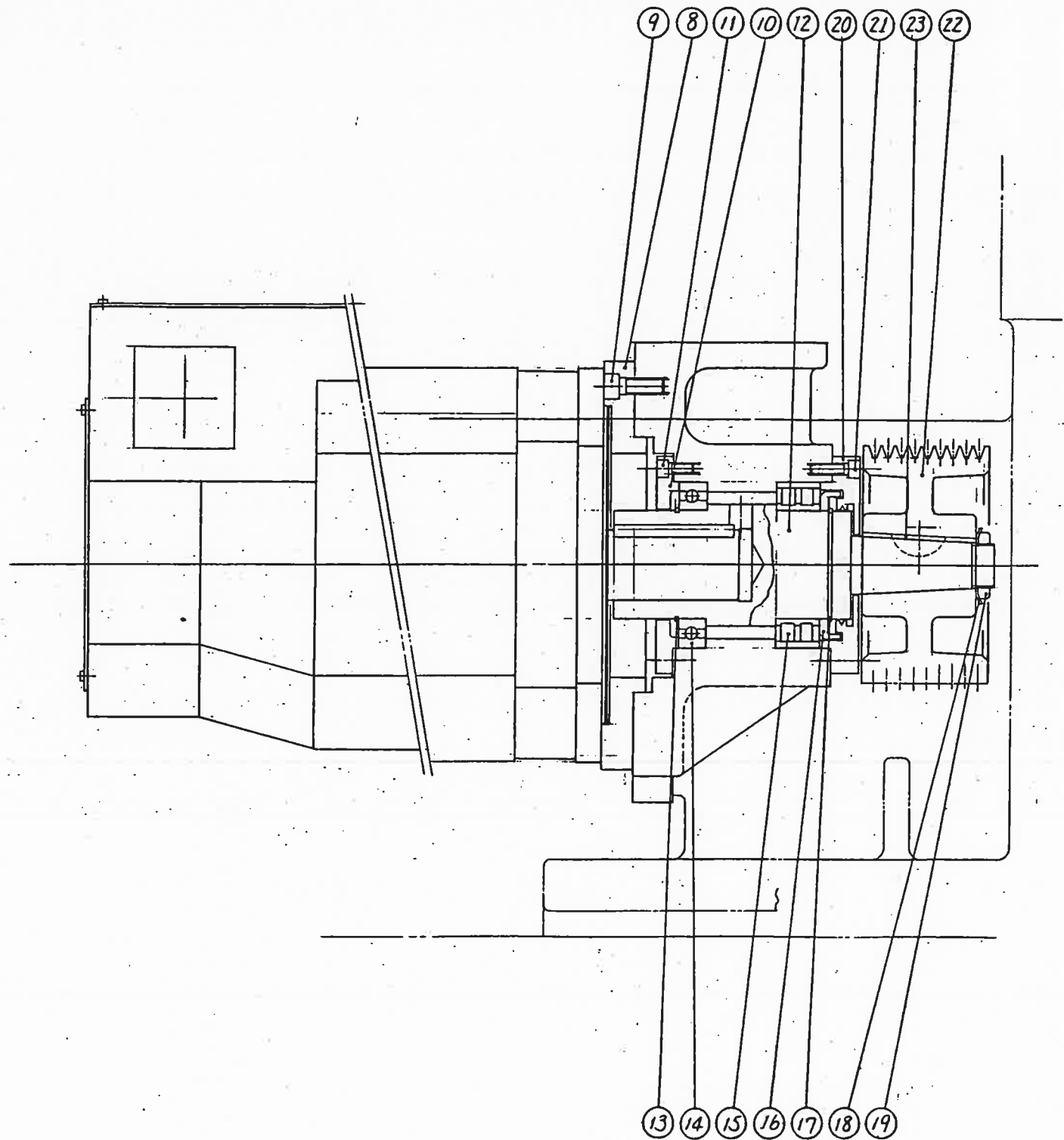
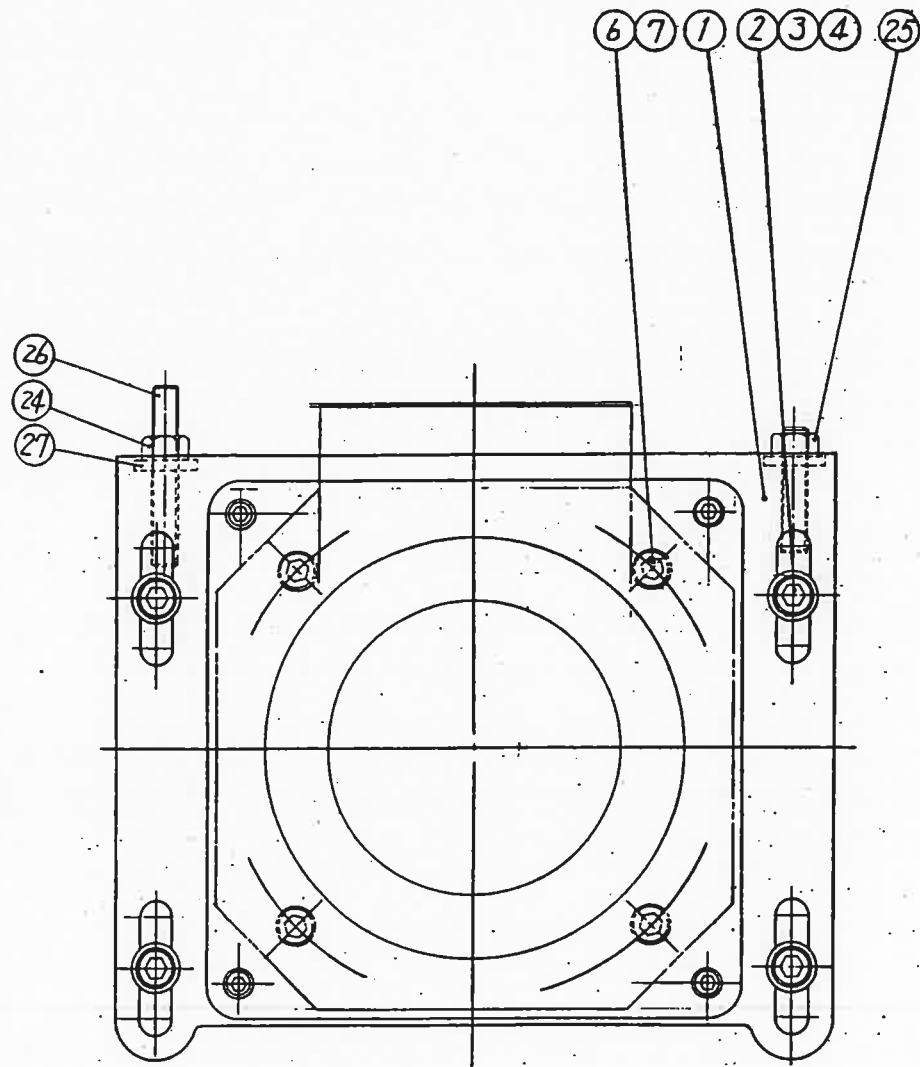
Unit No. 51721000100

No.	Parts No.	Parts name	Q'ty	Remarks
41	41431005500	Cap	1	
42	A41JJ00M050	Washer	3	M5
43	A06CB050140	Skt. HD. cap scr.	3	M5×14
44	J2600G05500	O-ring	1	G55
45	41431005321	Cap	1	
46	E0000063050	Ball bearing	1	6305 (NSK)
47	A35000S0250	Retain ring	1	S25
48	J2600G07500	O-ring	1	G75
49	41711007380	Cap	1	
50	E0000063070	Ball bearing	1	6307 (NSK)
51	A33000AN070	Bearing LK. nut	1	AN07
52	A34000AW070	Bearing LK. washer	1	AW07
53	41711007390	Collar	1	
54	G29KH000380	Oil gauge	1	VA-HL (KOUHOU)
55	31711005671	Pipe	1	
56	41431005441	Bracket	1	
57	J2600G02500	O-ring	1	G25
58	A06CB080250	Skt. HD. cap scr.	3	M8×25
59	H3600003S80	Skt. pipe plug	1	3/8
60	A06CB160600	Skt. HD. cap scr.	4	M16×60
61	A43JJ00M160	Spring washer	4	For M16
62	41431005910	Washer	6	
63	31711007351	Shaft	1	
64	A35000S0480	Retain ring	1	S-48
65	31431005260	Super gear	1	
66	A1405050650	Key	1	
67	31431005280	Super gear	1	
68	21711007320	Shaft	1	
69	A1910080500	Key	1	10×8×50
70	A1912080500	Key	1	12×8×50
71	31711007360	Super gear	1	
72	21711007370	Super gear	1	
73	J01AC2861E0	Oil seal	1	AC2861E0(SC type) (NOK)
74	F04NP000900	Roller bearing	1	NN3010CC1P5
75	41711007330	Cap	1	
76	A06CB080200	Skt. HD. cap scr.	4	M8×20
77	A35000S0500	Retain ring	1	S-50
78	A06CB080160	Skt. HD. cap scr.	4	M8×16
79	A41JJ00M080	Washer	4	M8
80	G32KW000020	Oil cap	1	KRM-A2 (KYOWA)

## GEAR BOX ASS'Y (For C-axis type) (ST-25)

Unit No. 51721000100

No.	Parts No.	Parts name	Q'ty	Remarks
81	31431005460	Plate	1	
82	31431005470	Packing	1	
83	J01AC2847E0	Oil seal	1	AC2847E0(SC type) (NOK)
84	E0000N10100	Roller bearing	1	N1010 (NSK)
85	41431005800	Spacer	1	
86	E0000NF3050	Roller bearing	1	NF305 (NSK)
87	J2600S05600	O-ring	1	S56
88	A35000S0250	Retain ring	1	S25
89	41711007340	Cap	1	
90	A18010X0450	Woodruff key	1	10×45
91	A33000AN070	Bearing LK. nut	1	AN07
92	A34000AW070	Bearing LK. washer	1	AW07
93	41431005430	Washer	1	
94	21711007310	Pulley	1	20.251rp 3000,4000RPM
95				
96				
97				
98	A1431008040	Key	1	10×8×40
99	41464210540	Bolt	2	
100	A40JJ00M160	Hex. nut	4	For M16
101	A15B16X0800	Skt. set scr.	2	M16×80(Flat p.)
102	A15B06X0160	Skt. set scr.	4	M6×16(Flat p.)
103	J2600G09000	O-ring	1	G90
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**Mazak**

MACHINE MODEL: SLANT TURN-30 ATC

SPECIFICATION APPLY :

ASSEMBLY NAME : GEAR BOX ASS'Y

DRAWING NO : 117310A0010

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## GEAR BOX ASS'Y (25HP 2200RPM) (ST-30)

List No. 51731000100

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
1	11731007550	Box	1	
2	A06CB160400	Skt. HD. cap scr.	4	M16×40
3	41431005910	Washer	4	
4	A43JJ00M160	Spring washer	4	M16
5				
6	A06CB120400	Skt. HD. cap scr.	4	M12×40
7	A43JJ00M120	Spring LK. washer	4	M12
8	31731007480	Base	1	
9	A06CB120350	Skt. HD. cap scr.	4	M12×35
10	41731007470	Cap	1	
11	A06CB080150	Skt. HD. cap scr.	4	M8×15
12	21731007530	Shaft	1	
13	A35000S0850	Retain ring C type	1	S85
14	E0000060170	Ball bearing	1	#6017 (NTN)
15	E000NN30170	Roller bearing	1	#NN3017 (NTN)
16	41731007460	Ring	1	
17	A35000S0850	Retain ring C type	1	S85
18	A34000AW070	Bearing LK. washer	1	AW07
19	A33000AN070	Bearing LK. nut	1	AN07
20	31731007510	Cap	1	
21	A06CB080250	Skt. HD. cap scr.	4	M8×25
22	31731007540	Pulley	1	
23	A18010X0450	Woodruff key	1	10×45
24	A40JJ00M160	Hex. nut	4	M16
25	41464210540	Bolt	2	
26	A15B16X0800	Skt. set scr. (Flat.p.)	2	M16×80
27	41431005910	Washer	2	
28				
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## GEAR BOX ASS'Y (25 HP 3000RPM) (ST-30)

List No. 51731000200

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
1	11731007550	Box	1	
2	A06CB160400	Skt. HD. cap scr.	4	M16×40
3	41431005910	Washer	4	
4	A43JJ00M160	Spring washer	4	M16
5				
6	A06CB120400	Skt. HD. cap scr.	4	M12×40
7	A43JJ00M120	Spring LK. washer	4	M12
8	31731007480	Base	1	
9	A06CB120350	Skt. HD. cap scr.	4	M12×35
10	41731007470	Cap	1	
11	A06CB080150	Skt. HD. cap scr.	4	M8×15
12	21731007530	Shaft	1	
13	A35000S0850	Retain ring C type	1	S85
14	E0000060170	Ball bearing	1	#6017 (NTN)
15	E000NN30170	Roller bearing	1	#NN3017 (NTN)
16	41731007460	Ring	1	
17	A35000S0850	Retain ring C type	1	S85
18	A34000AW070	Bearing LK. washer	1	AW07
19	A33000AN070	Bearing LK. nut	1	AN07
20	31731007510	Cap	1	
21	A06CB080250	Skt. HD. cap scr.	4	M8×25
22	31731007560	Pulley	1	
23	A18010X0450	Woodruff key	1	10×45
24	A40JJ00M160	Hex. nut	4	M16
25	41464210540	Bolt	2	
26	A15B16X0800	Skt. set scr. (Flat.p.)	2	M16×80
27	41431005910	Washer	2	
28				
29				
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31				
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## GEAR BOX ASS'Y (30 HP 2200RPM) (ST-30)

List No. 51731000300

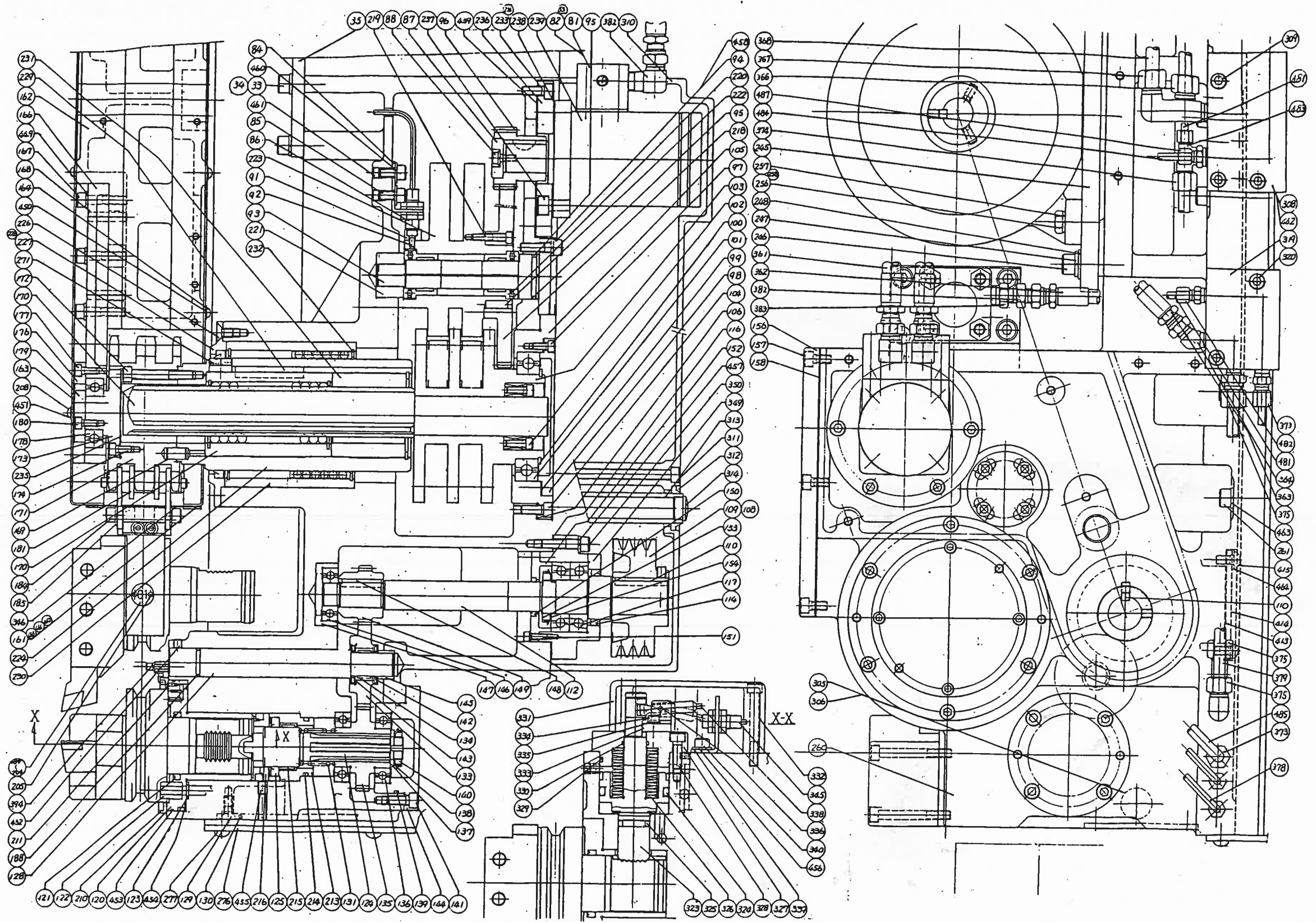
Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
1	11731007550	Box	1	
2	A06CB160400	Skt. HD. cap scr.	4	M16×40
3	41431005910	Washer	4	
4	A43JJ00M160	Spring washer	4	M16
5				
6	A06CB060400	Skt. HD. cap scr.	4	M6×40
7	A43JJ00M060	Spring LK. washer	4	M6
8	31731007520	Base	1	
9	A06CB120350	Skt. HD. cap scr.	4	M12×35
10	41731007470	Cap	1	
11	A06CB080150	Skt. HD. cap scr.	4	M8×15
12	21731007520	Shaft	1	
13	A35000S0850	Retain ring C type	1	S85
14	E0000060170	Ball bearing	1	#6017 (NTN)
15	E000NN30170	Roller bearing	1	#NN3017 (NTN)
16	41731007460	Ring	1	
17	A35000S0850	Retain ring C type	1	S85
18	A34000AW070	Bearing LK. washer	1	AW07
19	A33000AN070	Bearing LK. nut	1	AN07
20	31731007510	Cap	1	
21	A06CB080250	Skt. HD. cap scr.	4	M8×25
22	31731007540	Pulley	1	
23	A18010X0450	Woodruff key	1	10×45
24	A40JJ00M160	Hex. nut	4	M16
25	41464210540	Bolt	2	
26	A15B16X0800	Skt. set scr. (Flat.p.)	2	M16×80
27	41431005910	Washer	2	
28				
29				
30				
31				
32				
33				
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36				
37				
38				
39				
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## GEAR BOX ASS'Y (30HP 3000RPM)

List No. 51731000400

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
1	11731007550	Box	1	
2	A06CB160400	Skt. HD. cap scr.	4	M16×40
3	41431005910	Washer	4	
4	A43JJ00M160	Spring washer	4	M16
5				
6	A06CB060400	Skt. HD. cap scr.	4	M6×40
7	A43JJ00M060	Spring LK. washer	4	M6
8	31731007520	Base	1	
9	A06CB120350	Skt. HD. cap scr.	4	M12×35
10	41731007470	Cap	1	
11	A06CB080150	Skt. HD. cap scr.	4	M8×15
12	21731007520	Shaft	1	
13	A35000S0850	Retain ring C type	1	S85
14	E0000060170	Ball bearing	1	#6017 (NTN)
15	E000NN30170	Roller bearing	1	#NN3017 (NTN)
16	41731007460	Ring	1	
17	A35000S0850	Retain ring C type	1	S85
18	A34000AW070	Bearing LK. washer	1	AW07
19	A33000AN070	Bearing LK. nut	1	AN07
20	31731007510	Cap	1	
21	A06CB080250	Skt. HD. cap scr.	4	M8×25
22	31731007560	Pulley	1	
23	A18010X0450	Woodruff key	1	10×45
24	A40JJ00M160	Hex. nut	4	M16
25	41464210540	Bolt	2	
26	A15B16X0800	Skt. set scr. (Flat.p.)	2	M16×80
27	41431005910	Washer	2	
28				
29				
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40				

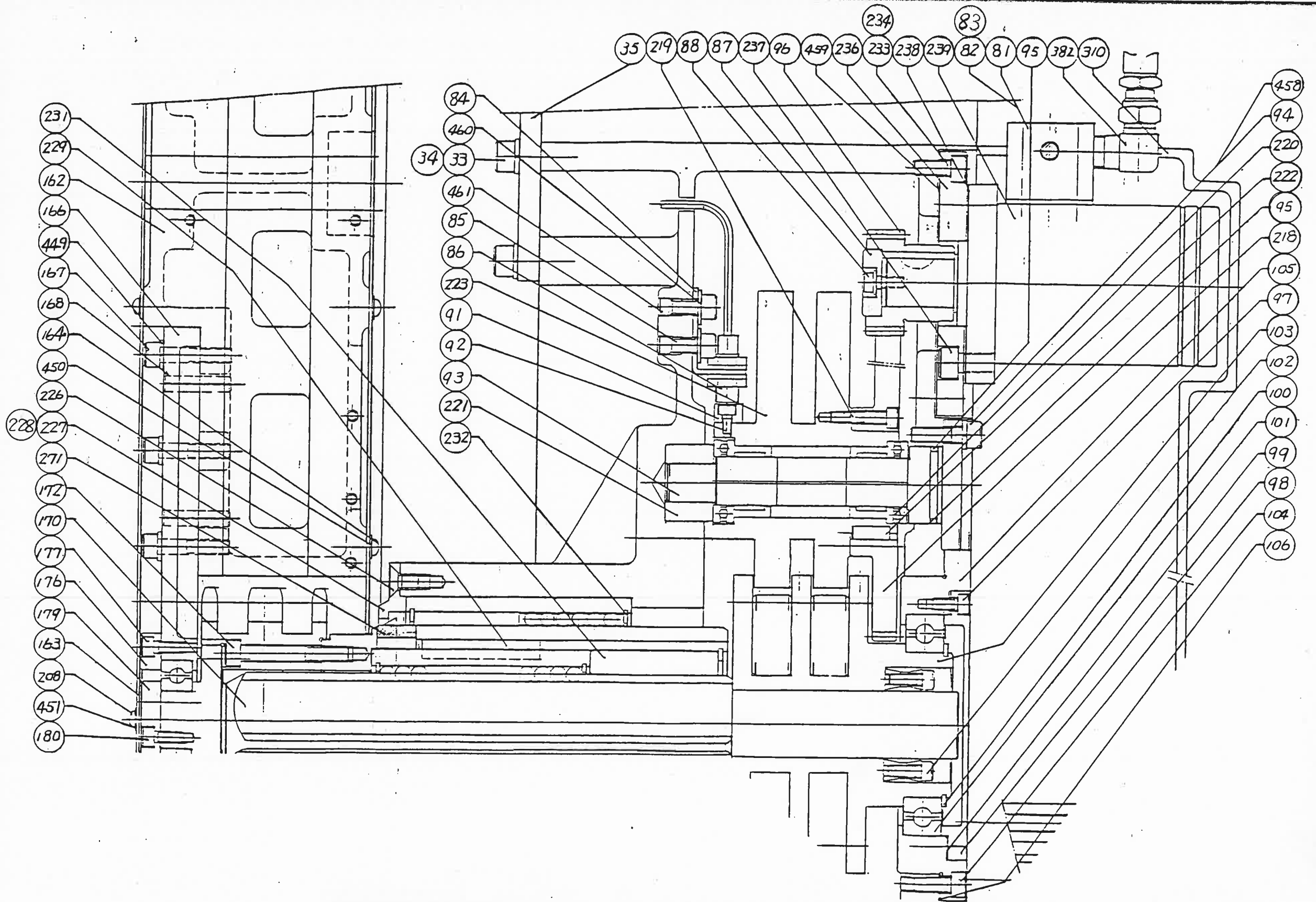




**Mazak**

MACHINE MODEL : SLANT TURN-25 ATC  
 SPECIFICATION APPLY : (16 tools) (Armless ATC)

ASSEMBLY NAME : TURRET ASS'Y  
 DRAWING NO : 017215A0010



**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC

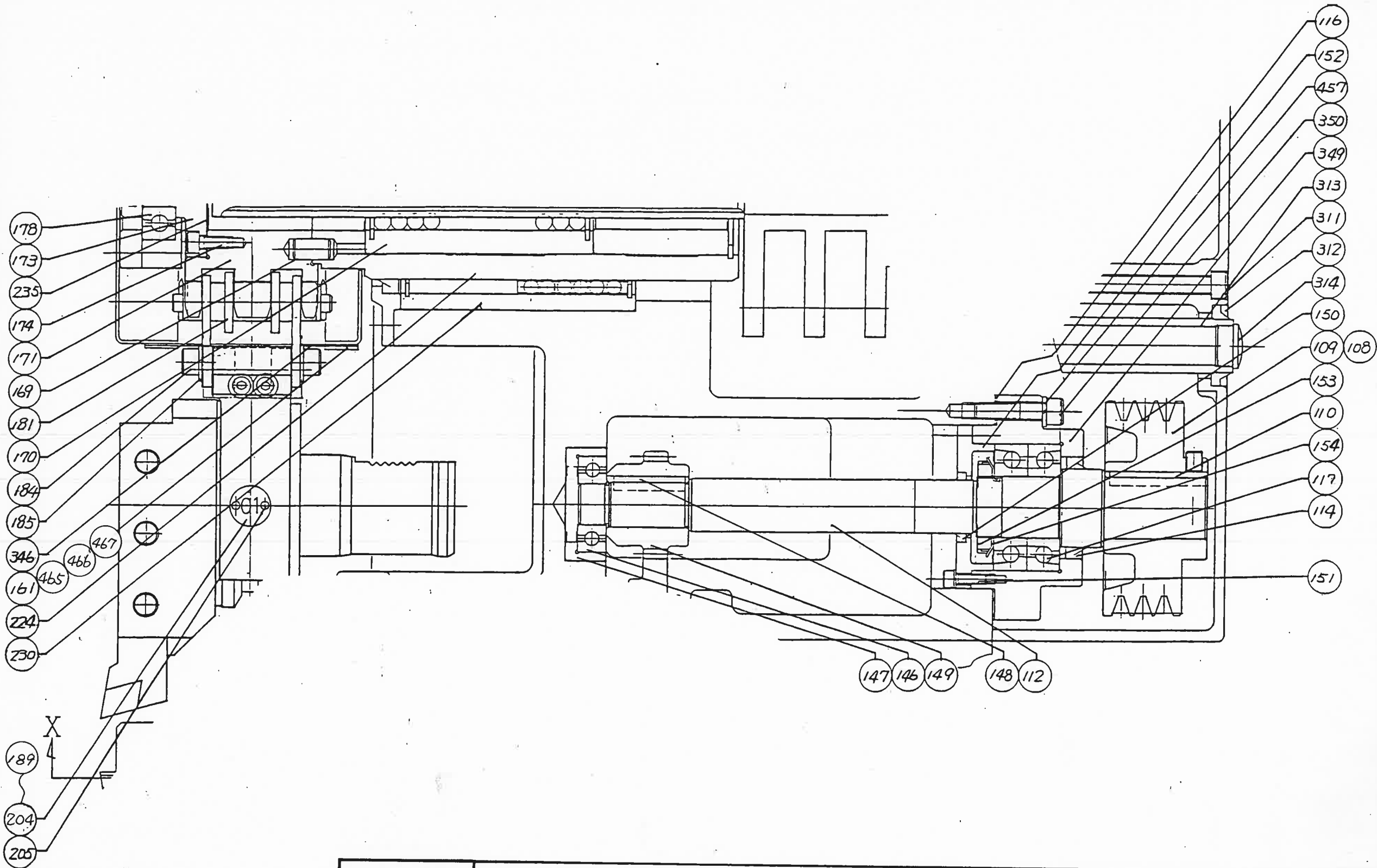
SPECIFICATION APPLY : (16 tools) (Armless ATC)

ASSEMBLY NAME : TURRET ASS'Y

DRAWING NO : 017215A0010

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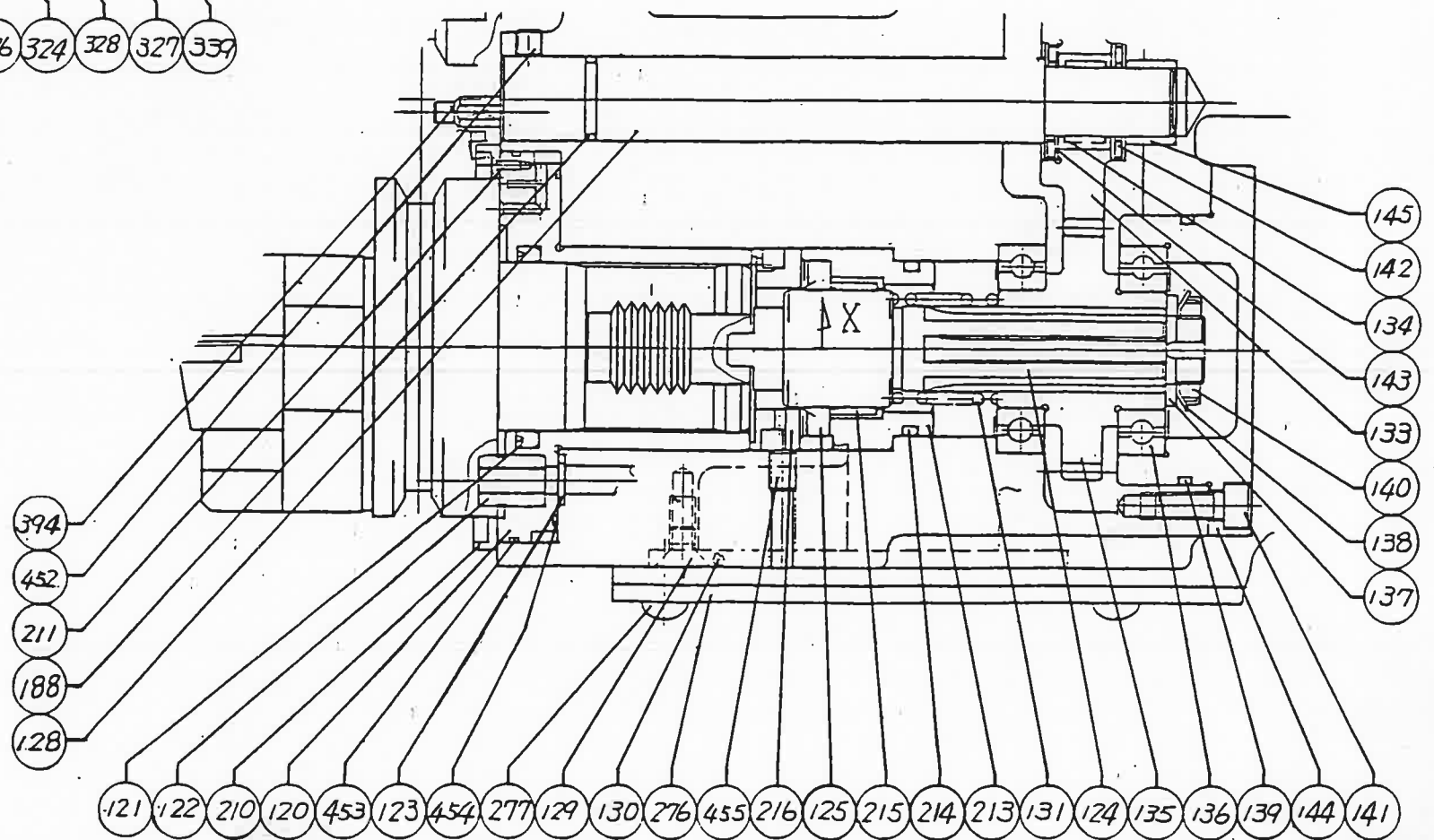
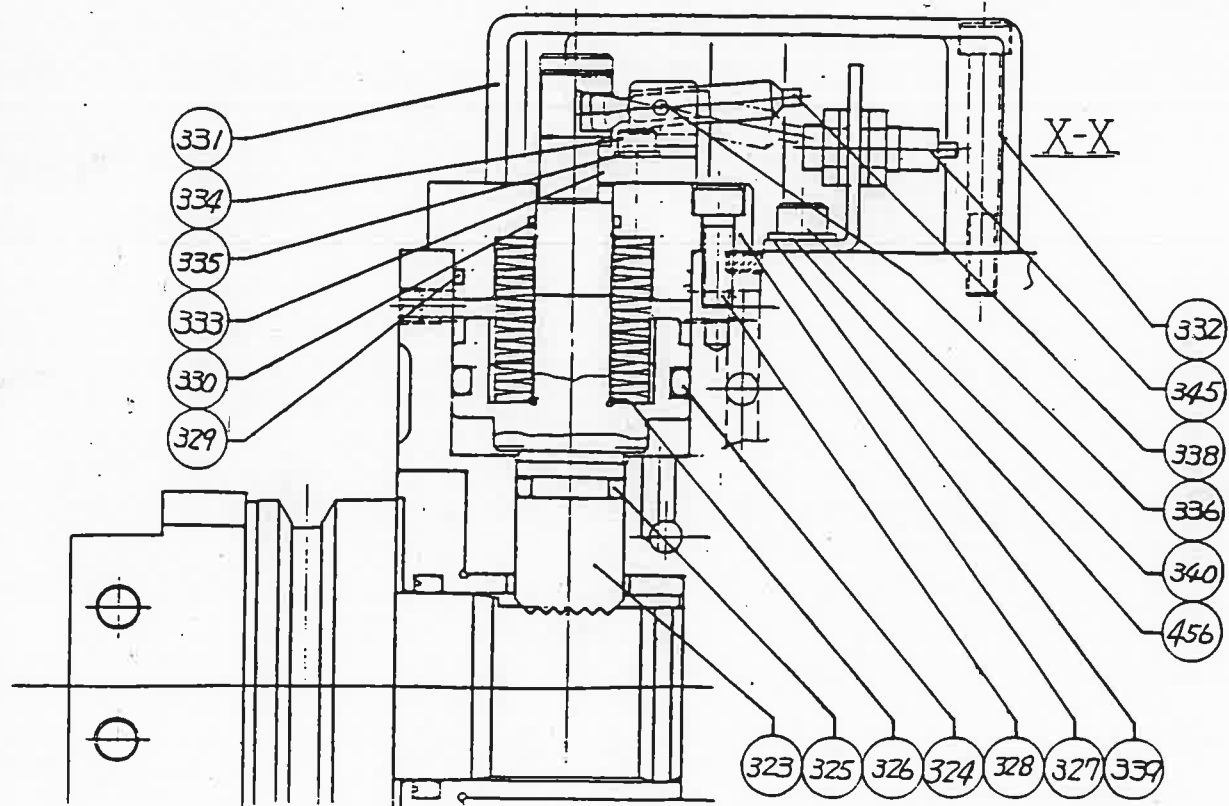
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**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC  
 SPECIFICATION APPLY : (16 tools) (Armless ATC)

ASSEMBLY NAME : TURRET ASS'Y  
 DRAWING NO : 017215A0010



**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC

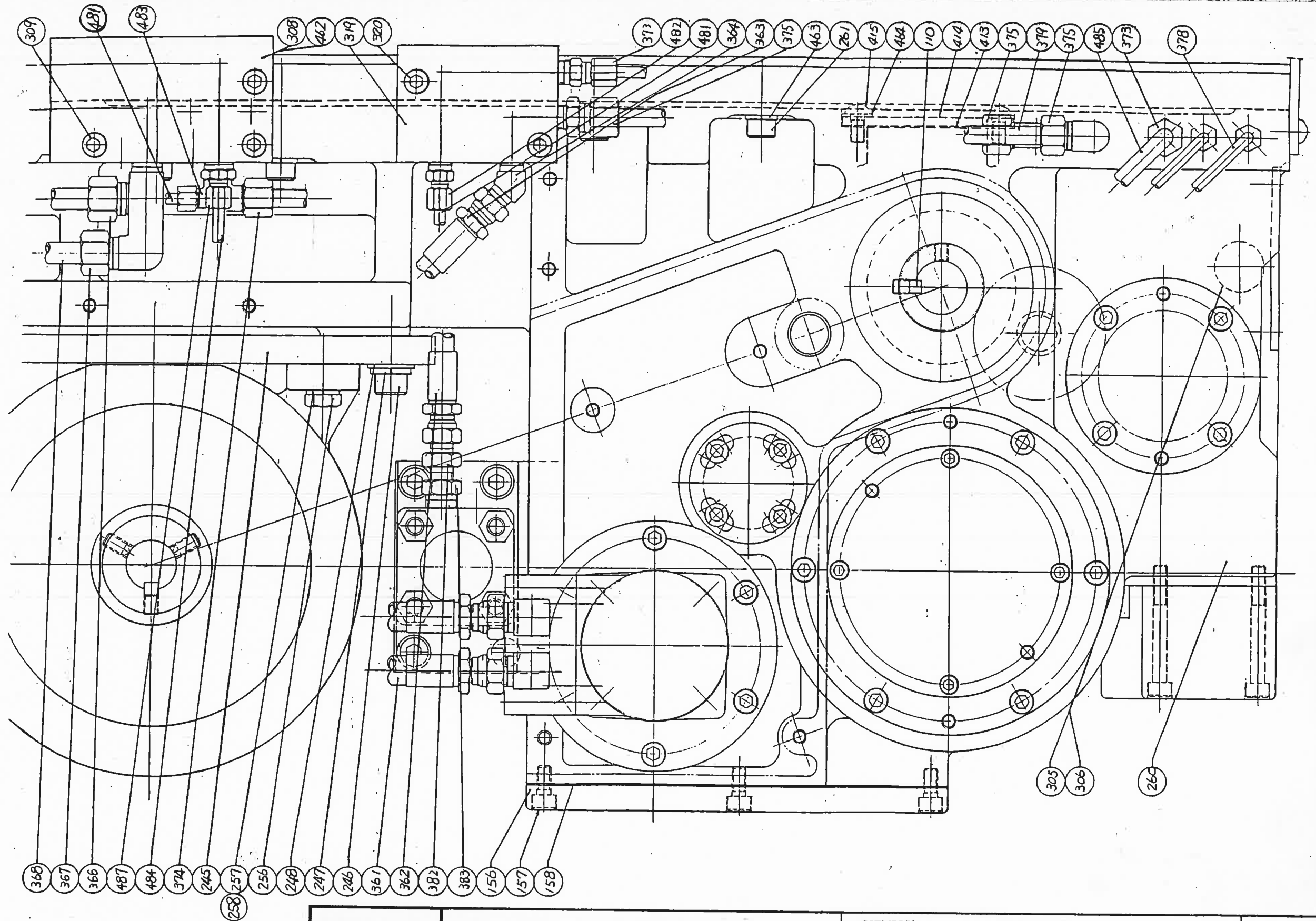
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ASSEMBLY NAME : TURRET ASS'Y

DRAWING NO : 017215A0010

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**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC

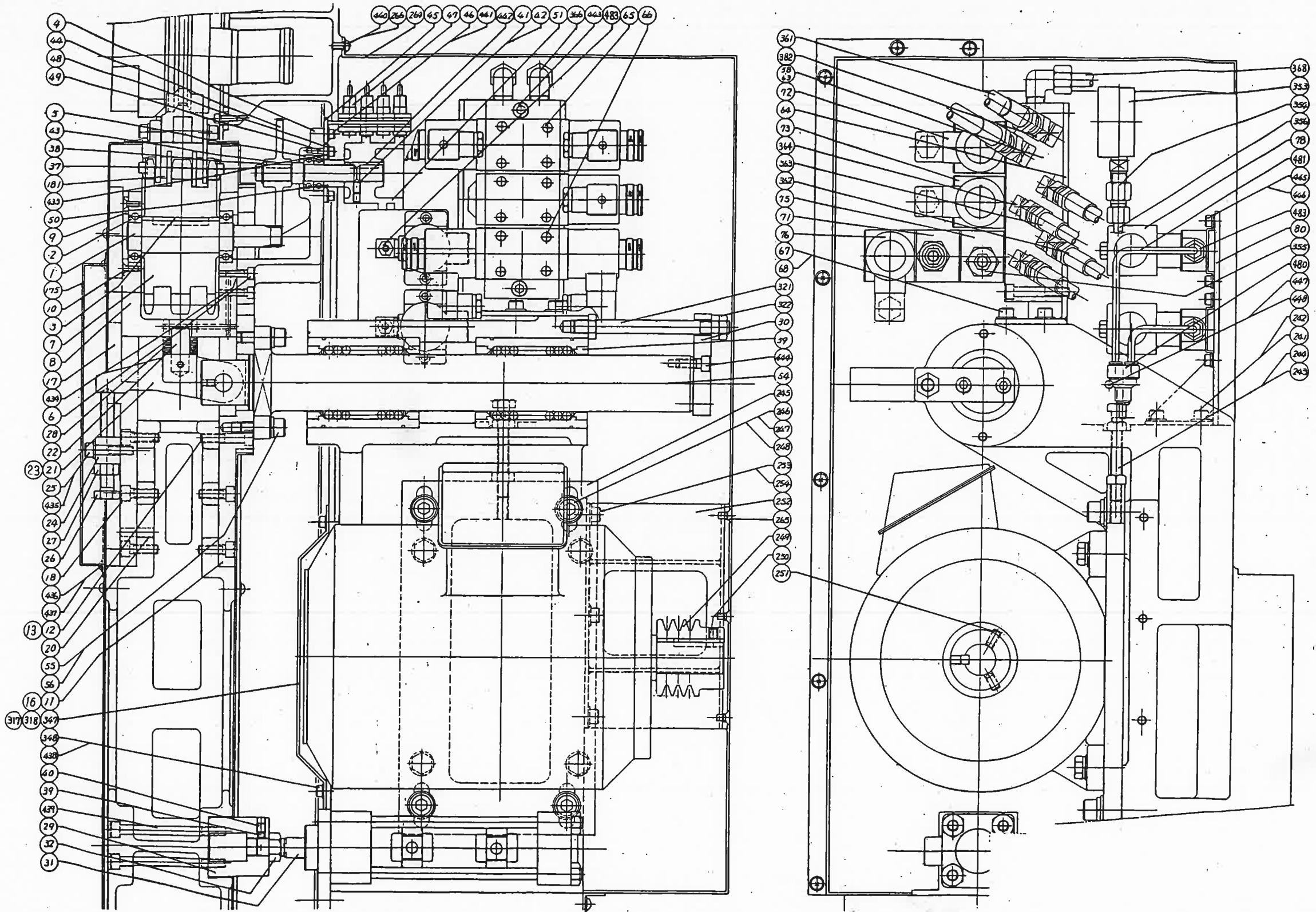
SPECIFICATION APPLY : (16 tools) (Armless ATC)

ASSEMBLY NAME : TURRET ASS'Y

DRAWING NO : 017215A0010

Page

3-1-4



**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC

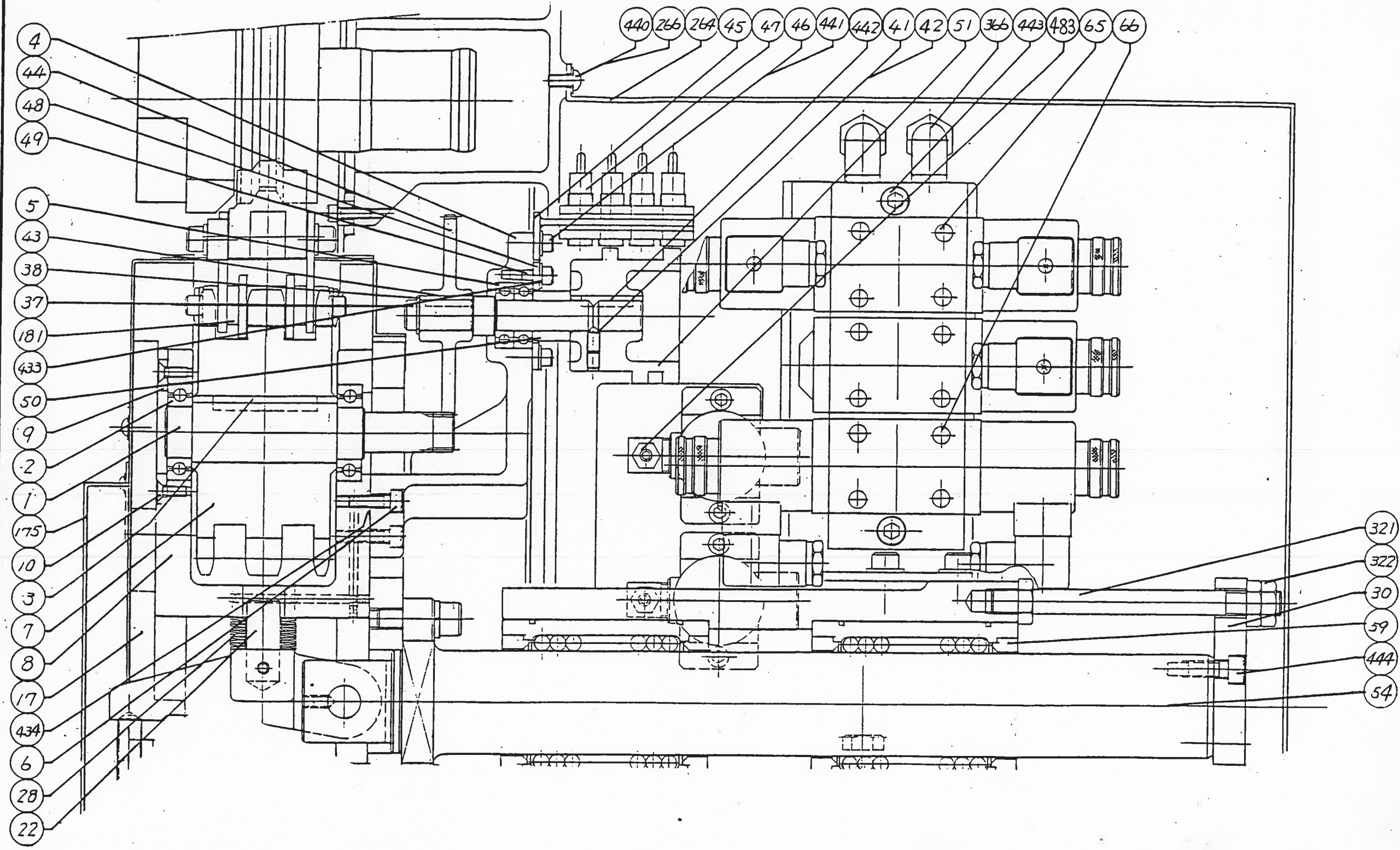
SPECIFICATION APPLY : (16 tools) (Armless ATC)

ASSEMBLY NAME : TURRET ASS'Y

DRAWING NO : 017215A0020

Page

3-2



**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC

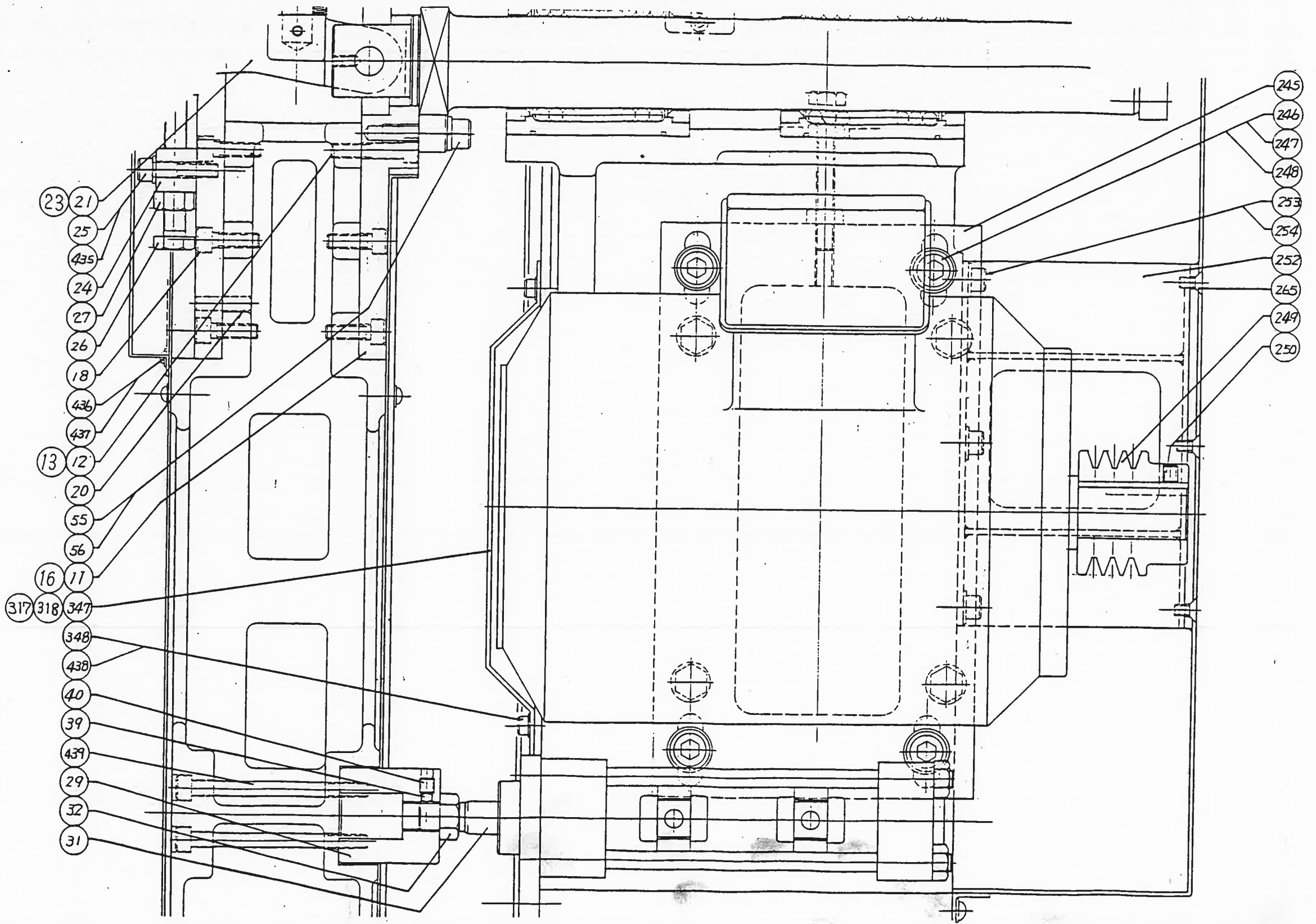
SPECIFICATION APPLY : (16 tools) (Armless ATC)

ASSEMBLY NAME : TURRET ASS'Y

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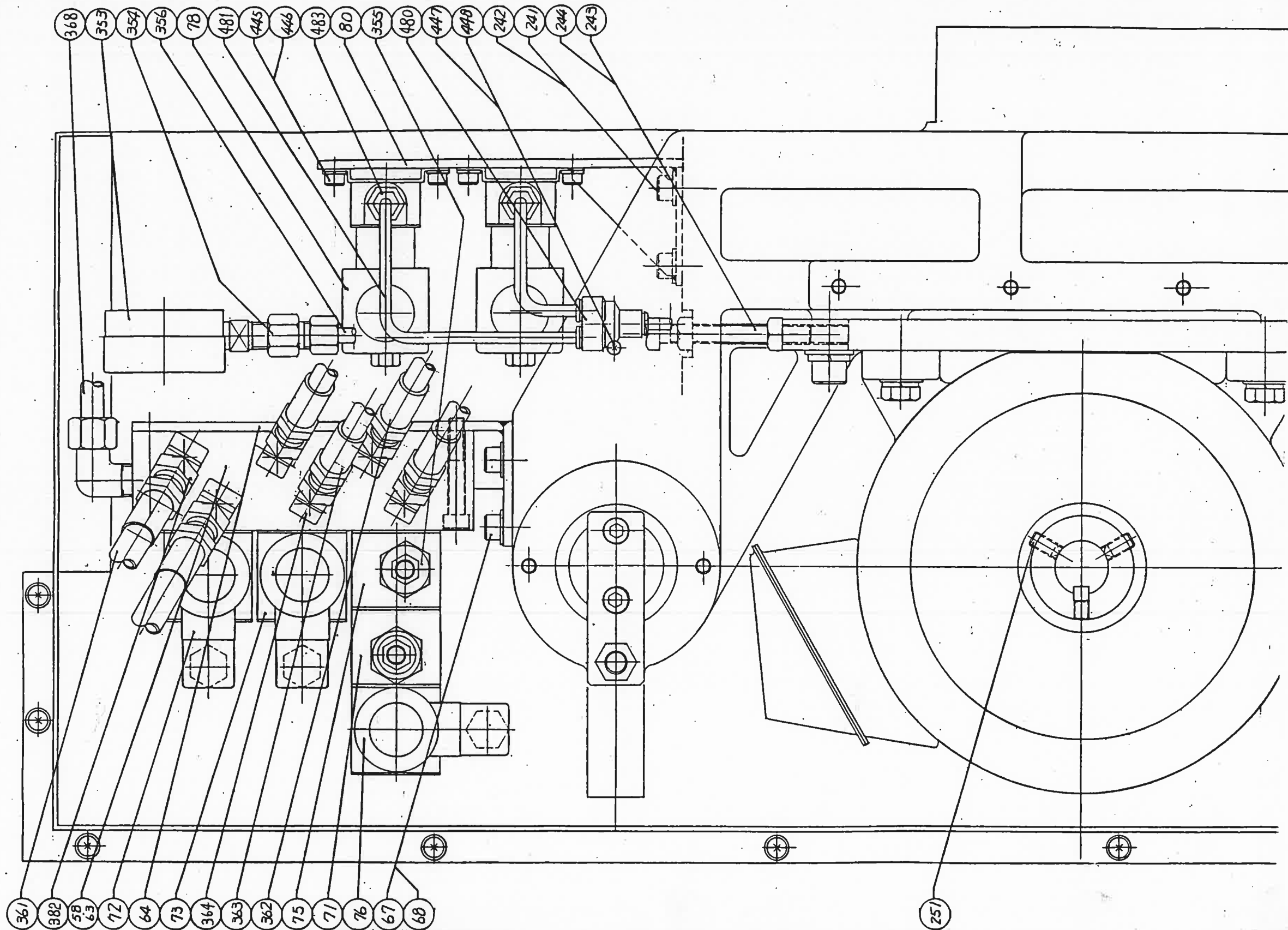
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<b>Mazak</b>	MACHINE MODEL: SLANT TURN-25 ATC	ASSEMBLY NAME: TURRET ASS'Y	Page
	SPECIFICATION APPLY: (16 tools) (Armless ATC)	DRAWING NO: 017215A0020	3-2-2





**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC

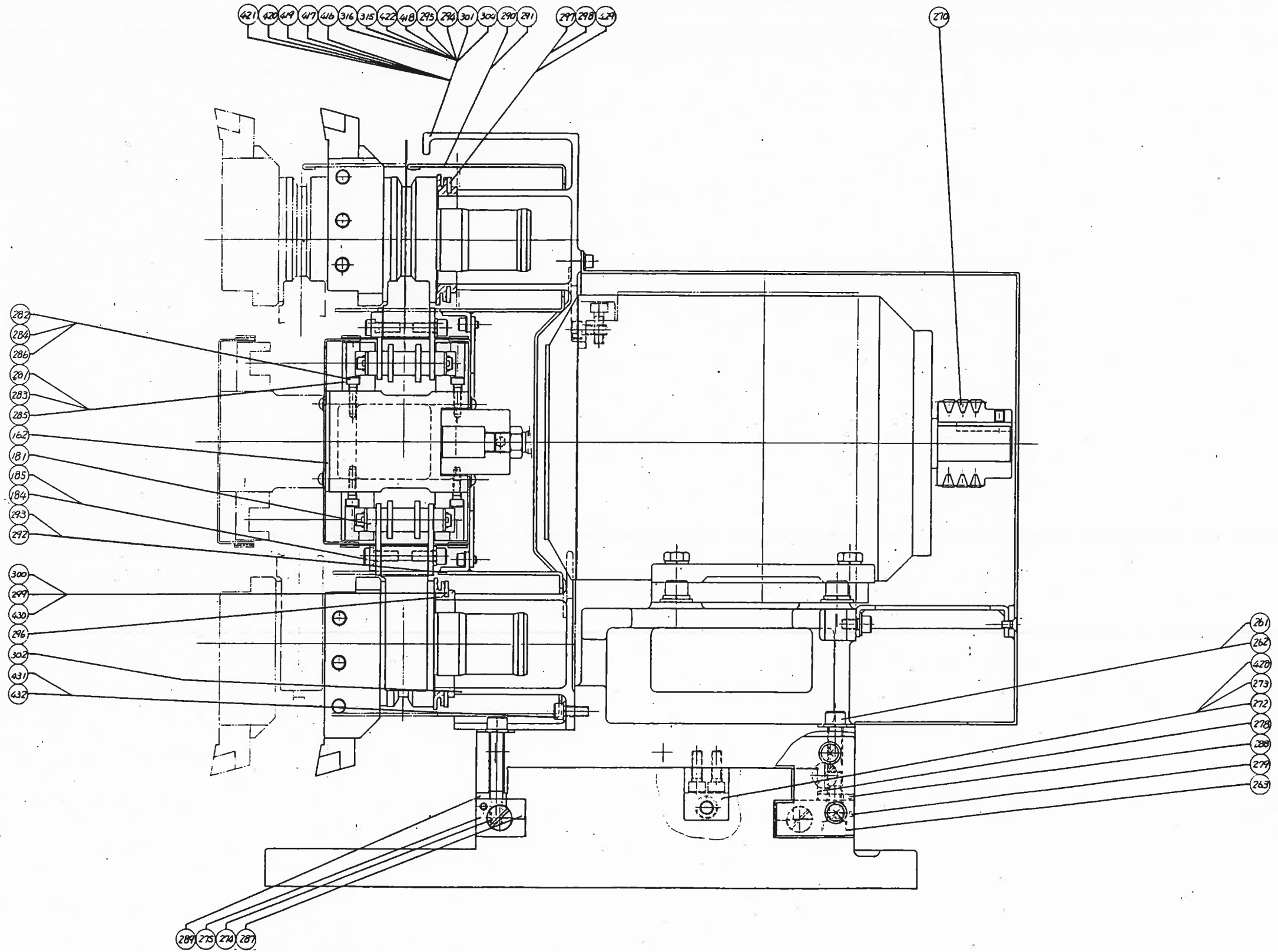
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ASSEMBLY NAME : TURRET ASS'Y

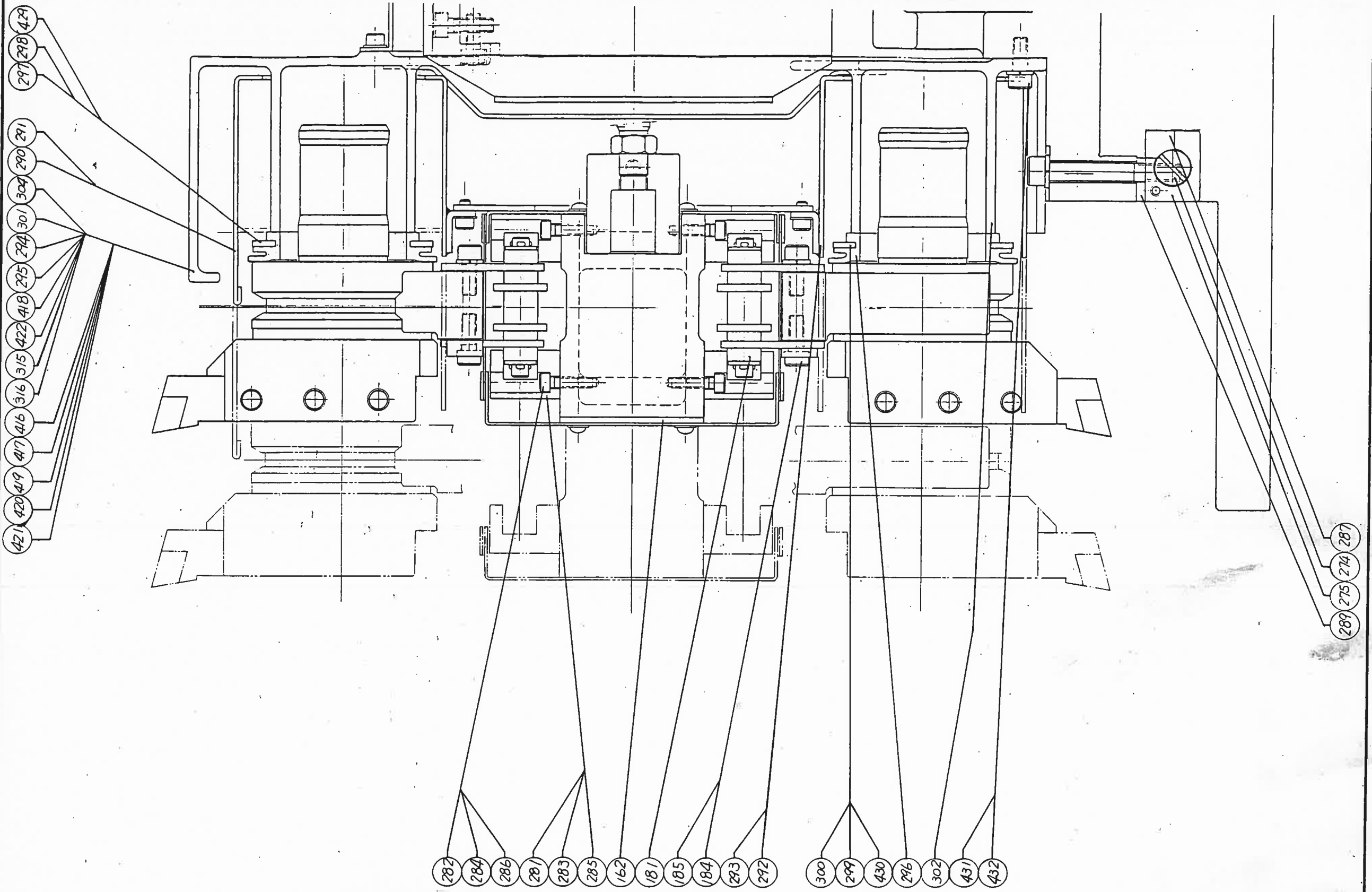
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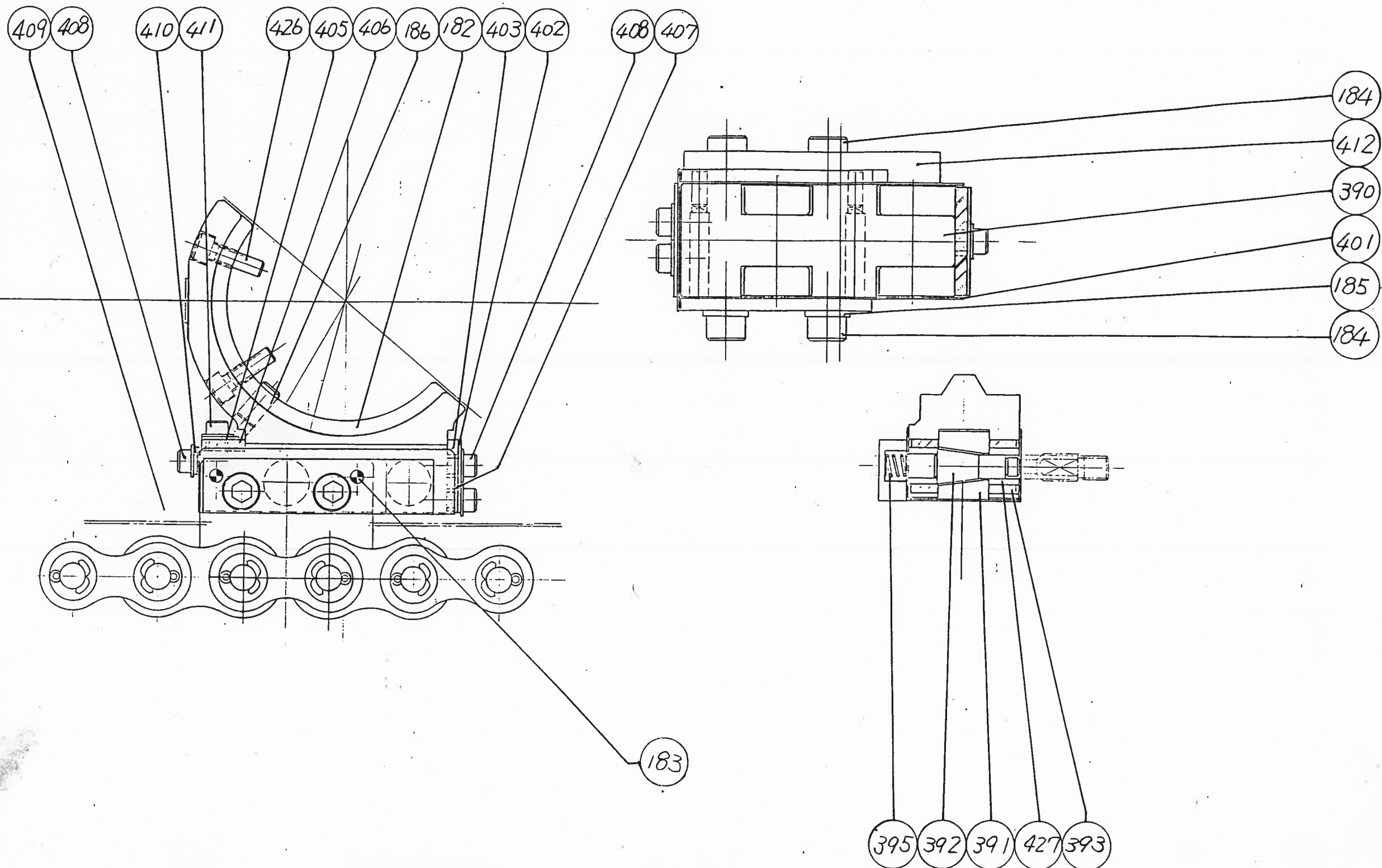
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<b>Mazak</b>	MACHINE MODEL: SLANT TURN-25 ATC	ASSEMBLY NAME : TURRET ASS'Y	Page 3-3
	SPECIFICATION APPLY : (16 tools) (Armless ATC)	DRAWING NO : 017215A0030	



<b>Mazak</b>	MACHINE MODEL: SLANT TURN-25 ATC	ASSEMBLY NAME: TURRET ASS'Y	Page
	SPECIFICATION APPLY: (16 tools) (Armless ATC)	DRAWING NO: 017215A0030	3-3-1



**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC

SPECIFICATION APPLY : (16 tools) (Armless ATC)

ASSEMBLY NAME : TURRET ASS'Y

DRAWING NO : 017215A0040

Page

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## TURRET ASS'Y(1/7) (60 tool) (Armless ATC)

List No. 51721500100

No.	Parts No.	Parts name	Q'ty	Remarks
1	31711554301	Shaft	1	
2	E0006005ZZ0	Ball bearing	2	6005ZZ (NTN)
3	A140807050N	Key	1	8×7×50
4	21711554380	Bracket	1	
5	E0006002ZZ0	Ball bearing	2	6002ZZ (NTN)
6	A06CB060200	Skt. HD. cap scr.	3	M6×20
7	31711554292	Sprocket	1	(TSUBAKIMOTO)
8	21711554371	Housing	1	
9	41711554130	Cover	1	
10	A16A05X0140	Flat HD. cap scr.	4	M5×14
11	21711554420	Guide	1	
12	A06CB080400	Skt. HD. cap scr.	2	M8×40
13	A06CB080250	Skt. HD. cap scr.	4	M8×25
14				
15				
16	A12008X0300	Spring pin	2	φ8×30
17	21711554362	Guide	1	
18	A06CB080250	Skt. HD. cap scr.	6	M8×25
19				
20	A12008X0300	Spring pin	2	φ8×30
21	41711554642	Cam	1	
22	41711554230	Pin	2	
23	A15A06X0100	Skt. set scr.	1	M6×10 (Dog p.)
24	41711554160	Block	1	
25	A06CB080350	Skt. HD. cap scr.	2	M8×35
26	A17HF121000	Hex. HD. cap scr.	1	M12×100
27	A40JJ00M120	Hex. nut	1	M12
28	A49PY000470	Spring	10	31.5×16.3×1.25t
29	41711554091	Joint	1	
30	41711549261	Stopper	1	
31	G20SV004703	Cylinder	1	(SHOUKETSU)
32	A24SV000320	Hex. nut	1	NTH-040 (SHOUKETSU)
33	A06CB100300	Skt. HD. cap scr.	4	M10×30
34	A43JJ00M100	Spring washer	4	M10
35	31711554665	Plate	1	
36				
37	41711554852	Shaft	1	
38	A35000S0150	Retain ring	1	S-15
39	41711548460	Pin	2	
40	A15B08X0080	Skt. set scr.	2	M8×8 (Dog. p.)

## TURRET ASS'Y(1/7) (60 tool) (Armless ATC)

List No. 51721500100

No.	Parts No.	Parts name	Q'ty	Remarks
41	A15B06X0080	Skt. set scr. (Flat p.)	2	M6×8
42	A15C06X0120	Skt. set scr. (Cone p.)	2	M6×12
43	A140505020N	Key	1	5×5×20
44	31711545171	Super gear	1	
45	31711548062	Bracket	1	
46	A06CB050100	Skt. HD. cap scr.	3	M5×10
47	R26YB000980	Proximity switch	4	FL1-2D6-903 (YAMATAKE)
48	41711548040	Plate	1	
49	A06CB050100	Skt. HD. cap scr.	3	M5×10
50	41711549130	Collar	1	
51	21711548030	Dog	1	
52				
53				
54	21711554430	Shaft	1	
55	A06CB100300	Skt. HD. cap scr.	4	M10×30
56	A43JJ00M100	Spring washer	4	M10
57				
58	41711554910	Block	1	Base block
59	E000LM50UU0	LM Ball bearing	2	LM50UU (THK)
60				
61				
62				
63	G27FH000180	Base block	1	(NACHI)
64	31711549612	Bracket	1	
65	A06CB050500	Skt. HD. cap scr.	8	M5×50
66	A06CB051250	Skt. HD. cap scr.	4	M5×125
67	A06CB080140	Skt. HD. cap scr.	3	M8×14
68	A43JJ00M080	Spring washer	3	M8
69				
70				
71	G17FH000450	Flow regulator	1	OCY-G01-W-Y-11 (NACHI)
72	G16FH002170	Solenoid valve	1	SS-G01-C6S-C1-11 (NACHI)
73	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
74				
75	G11FH000530	Reducing valve	1	OG-G01-P1-12 (NACHI)
76	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11 (NACHI)
77				
78	G50SV001290	Solenoid valve	2	VPW2135-031C-S (SHOUKETSU)
79				
80	31711554690	Bracket	1	

## TURRET ASS'Y(2/7) (60 tool) (Armless ATC)

List No. 51721500100

No.	Parts No.	Parts name	Q'ty	Remarks
81	31711554901	Motor sub plate	1	
82	A0100000810	Skt. HD. cap scr.	4	5/16-18UNC×50
83	H3600001S80	Skt. pipe plug	2	PT1/8
84	41711548171	Bracket	1	
85	A06CB080160	Skt. HD. cap scr.	2	M8×16
86	R26YB000980	Proximity switch	1	FL1-2D6-903(YAMATAKE)
87	41711545331	Plate	1	
88	A01TK000030	Skt. HD. cap scr.	1	1/4-20UNC×15.9(TOKYO KEIKI)
89				
90				
91	41711548162	Dog	1	
92	A06CB050100	Skt. HD. cap scr.	2	M5×10
93	31711554632	Shaft	1	
94	A06CB080300	Skt. HD. cap scr.	4	M8×30
95	J2600G03500	O-ring	1	G-35 (NOK)
96	41711548121	Super gear	1	
97	A06CB060140	Skt. HD. cap scr.	4	M6×14
98	31711548180	Cover	1	
99	41711548191	Packing	1	
100	A35000S0750	Retain ring	1	S-75
101	E0006015ZZ0	Bearing	1	6015ZZ (NTN)
102	A30TR001800	Power lock	1	PL35AS×060(TSUBAKIMOTO)
103	21711554611	Turret	1	
104	A06CB080200	Skt. HD. cap scr.	6	M8×20
105	31711548201	Housing	1	
106	41711545121	Packing	1	
107				
108	A15B08X0100	Skt. set scr.	2	M8×10
109	31711554310	Pulley	1	
110	A1907070480	Key	1	7×7×48
111				
112	31711554340	Shaft	1	
113				
114	J01AB2218E1	Oil seal	1	AB2218E1 (NOK)
115				
116	41711548411	Packing	1	
117	E7206ADBC80	Ball bearing	1	ADBC8 (NSK)
118				
119				
120	31711554012	Housing	1	

## TURRET ASS'Y(2/7) (60 tool) (Armless ATC)

List No. 51721500100

No.	Parts No.	Parts name	Q'ty	Remarks
121	J04SH001000	SKY-packing	1	SKY-50 (SAKAGAMI)
122	41801548740	Pin	1	
123	J2600P01100	O-ring	4	P11 (NOK)
124	31711548360	Clutch	1	
125	J01AB2041E0	Oil seal	1	AB2041E0 (NOK)
126				
127				
128	41711545050	Pin	1	
129	A16B08X0120	Flat HD. cap scr.	4	M8×12
130	31711555050	Plate	1	
131	41711549310	Spring	1	
132				
133	41711545040	Super gear	1	
134	E0NK20S16R0	Middle bearing	1	NK2016 (NTN)
135	31711543460	Super gear	1	
136	E0000060070	Ball bearing	2	6007 (NSK)
137	41711544050	Collar	1	
138	A34000AW040	Bearing LK. washer	1	AW04 (NTN)
139	J2600G07500	O-ring	1	G75 (NOK)
140	A33000AN040	Bearing LK. nut	1	AN04 (NTN)
141	A06CB080150	Skt. HD. cap scr.	4	M8×15
142	E00AXK11040	Thrust needle bearing	2	AXK1104 (NTN)
143	E000AS11040	Thrust needle bearing	4	AS1104 (NTN)
144	31711548351	Housing	1	
145	41711545030	Collar	1	
146	E0000062040	Ball bearing	1	6204 (NSK)
147	41711545270	Housing	1	
148	A1407070350	Key	1	7×7×35
149	41711545060	Super gear	1	
150	J020G263440	Oil seal	1	G26×34×4 (NTN)
151	A06CB050160	Skt. HD. cap scr.	4	M5×16
152	41711548340	Retainer	1	M5×16
153	A33000AN060	Bearing LK. nut	1	AN06 (NTN)
154	A34000AW060	Bearing LK. washer	1	AW06 (NTN)
155				
156	21711555081	Cover	1	
157	A06CB080160	Skt. HD. cap scr.	8	M8×16
158	31711555091	Packing	1	
159				
160				

## TURRET ASS'Y(3/7) (60 tool) (Armless ATC)

List No. 51721500100

No.	Parts No.	Parts name	Q'ty	Remarks
161	21711554400	Cover	1	(KOUSHO)
162	01711554840	Body	1	
163	21711554390	Cover	1	(KOUSHO)
164	A16A05X0100	Round HD. cap scr.	8	M5×10
165				
166	31711554281	Plate	1	
167	A06CB080350	Skt. HD. cap scr.	6	M8×35
168	A12008X0350	Spring pin	2	φ8×35
169	A10010X0180	Pin	1	m6-10×12(For sprocket)
170	31711554410	Ball spline	1	(THK)
171	21711554271	Sprocket	1	(TSUBAKIMOTO)
172	A06CB080550	Skt. HD. cap scr.	6	M8×55
173	41711551971	Cover	1	
174	A06CB060140	Skt. HD. cap scr.	6	M6×14
175	41711554150	Cover	1	
176	41711554180	Plate	1	
177	A06CB060140	Skt. HD. cap scr.	4	M6×14
178	E0006206ZZ0	Ball bearing	1	6206ZZ (NSK)
179	41711548300	Retainer	1	
180	A06CB060140	Skt. HD. cap scr.	2	M6×14
181	L01TR002470	Roller chain	1	RS100-01 (TSUBAKIMOTO)
182	11711554971	Tool holder	16	
183	A12005X0120	Spring pin	32	φ5×12
184	A06CB080200	Skt. HD. cap scr.	64	M8×20
185	A43JJ00M080	Spring washer	32	M8
186	A10008X0160	Pin	16	φ8×16
187				
188	J2600P02100	O-ring	1	P-21 (NOK)
189	41131506610	Number plate(01)	1	
190	41131506620	Number plate(02)	1	
191	41131506630	Number plate(03)	1	
192	41131506640	Number plate(04)	1	
193	41131506650	Number plate(05)	1	
194	41131506660	Number plate(06)	1	
195	41131506670	Number plate(07)	1	
196	41131506680	Number plate(08)	1	
197	41131549340	Number plate(09)	1	
198	41131549350	Number plate(10)	1	
199	41131549360	Number plate(11)	1	
200	41131549370	Number plate(12)	1	

## TURRET ASS'Y(3/7) (60 tool) (Armless ATC)

List No. 51721500100

No.	Parts No.	Parts name	Q'ty	Remarks
201	41711549380	Number plate(13)	1	
202	41711549390	Number plate(14)	1	
203	41711549400	Number plate(15)	1	
204	41711549410	Number plate(16)	1	
205		Drive screw	32	φ3
206				
207				
208	A16A05X0100	Round HD. cap scr.	8	M5×10 41711554180
209				
210	31711554951	Plate	1	
211	A16B03X0100	Flat HD. cap scr.	4	M3×6
212				
213	41711555490	Housing	1	
214	J2600P04600	O-ring	1	P46
215	E000HK35160	Middle bearing	1	HK3516 (NTN)
216	41711555500	Collar	1	
217				
218	31711545210	Super gear	1	
219	A06CB060300	Skt. HD. cap scr.	4	M6×30
220	E000NKX25Z0	Middle bearing	2	NKX25Z (NTN)
221	41711548130	Collar	1	
222	A1407070200	Key	2	7×7×20
223	21711554620	Cam	1	
224	21711554450	Sleeve	1	
225				
226	A26B08X0140	Machine screw	6	M8×14
227	31711548250	Retainer	1	
228	J24NV002740	Dust seal	1	FD4046A0 (NOK)
229	41711548240	Key	1	
230	31711548680	Stroke ball bearing	1	
231	41711555040	Bush	1	
232	A35000H0750	Retain ring	1	H-75
233	A06CB080200	Skt. HD. cap scr.	6	M8×20
234	J06KRW08S10	Seal washer	6	W8 S1
235	41711554870	Packing	1	
236	31711554860	Plate	1	
237	A0100000890	Skt. HD. cap scr.	4	3/8-16UNC-1905
238	41711545250	Packing	1	
239	G10SD000120	Orbit motor	1	H-050-BC4
240				

## TURRET ASS'Y(4/7) (60 tool) (Armless ATC)

List No. 51721500100

No.	Parts No.	Parts name	Q'ty	Remarks
241	A06CB080160	Skt. HD. cap scr.	2	M8×16
242	A43JJ00M080	Spring washer	2	M8
243	A17HB100800	Hex. HD. cap scr.	1	M10×80
244	A40JJ00M100	Hex. nut	1	M10
245	21711554440	Plate	1	
246	A06CB120350	Skt. HD. cap scr.	4	M12×35
247	A43JJ00M120	Spring washer	4	M12
248	A41JJ00M120	Washer	4	M12
249	31711204331	Pulley	1	
250	A15B08X0100	Skt. set scr.	1	M8×10 (Flat p.)
251	A15A08X0160	Skt. set scr.	2	M8×16 (Dog p.)
252	31711554320	Cover	1	
253	A06CB080150	Skt. HD. cap scr.	3	M8×15
254	A43JJ00M080	Spring washer	3	M8
255				
256	A17HB100300	Hex. HD. cap scr.	4	M10×30
257	A43JJ00M100	Spring washer	4	M10
258	A41JJ00M100	Washer	4	M10
259				
260	01711555102	Turret	1	1/2 2/2
261	A06CB100500	Skt. HD. cap scr.	2	M10×50
262	A06CB100750	Skt. HD. cap scr.	6	M10×75
263	A06CB120400	Skt. HD. cap scr.	2	M12×40
264	11711555140	Cover	1	Motor cover
265	A16B08X0120	Flat HD. cap scr.	3	M8×12
266	A16A06X0120	Round HD. cap scr.	12	
267				
268				
269				
270	L07MH000120	V-belt	3	3V-475 (MITSUBISHI)
271	41711549850	Plug	1	
272	41711546990	Bracket	1	For counter balance
273	A06CB080250	Skt. HD. cap scr.	4	M8×25
274	41111500590	Bolt	4	
275	31711554590	Retainer	1	(H side)
276	31711554350	Wiper	1	
277	A16A08X0160	Round HD. cap scr.	5	M8×16
278	21711549071	Gib	1	
279	31711554601	Retainer	1	(TL side)
280				

## TURRET ASS'Y(4/7) (60 tool) (Armless ATC)

List No. 51721500100

No.	Parts No.	Parts name	Q'ty	Remarks
281	31711554260	Guide	4	
282	A06CB060160	Skt. HD. cap scr.	24	M6×16
283	31711554240	Guide	4	
284	A06CB060460	Skt. HD. cap scr.	8	M6×16
285	31711554250	Guide	4	
286	A06CB060160	Skt. HD. cap scr.	8	M6×16
287	21711549081	Gib	2	
288	31711554710	Shim	1	(TL side)
289	31711554720	Shim	1	(H side)
290	21711554500	Cover	1	
291	A06CB060100	Skt. HD. cap scr.	7	M6×10
292	21711554511	Cover	1	
293	A06CB060100	Skt. HD. cap scr.	7	M6×10
294	31711554832	Cover	1	
295	A06CB080200	Skt. HD. cap scr.	2	M8×20
296	41711554810	Packing	16	
297	21711555571	Plate	1	
298	A06CB050160	Skt. HD. cap scr.	8	M5×16
299	21711554581	Plate	1	
300	A06CB050160	Skt. HD. cap scr.	7	M5×16
301	11711554553	Cover	1	
302	11711554560	Cover	1	
303	A06CB080250	Skt. HD. cap scr.	2	M8×25
304	A06CB080200	Skt. HD. cap scr.	5	M8×20
305	41711551290	Pin	1	
306	J1100P022A0	O-ring	1	P-22A (NOK)
307				
308	21711549432	Manifold	1	
309	A06CB080350	Skt. HD. cap scr.	3	M8×35
310	21711554730	Cover	1	
311	A06CB081250	Skt. HD. cap scr.	3	M8×125
312	J01AB1508E0	Oil seal	1	AB1508E0 (NOK)
313	41711554671	Pipe	1	
314	G29KH000010	Oil gauge	2	VII-01-III (KOUHOU)
315	31711554530	Plate	1	
316	A06CB060100	Skt. HD. cap scr.	2	M6×10
317	31711554680	Cover	1	
318	A00CB060140	Skt. HD. cap scr.	6	M6×14
319	31711554700	Block	1	
320	A06CB080650	Skt. HD. cap scr.	2	M8×65



## TURRET ASS'Y(5/7) (60 tool) (Armless ATC)

List No. 51721500100

No.	Parts No.	Parts name	Q'ty	Remarks
321	41711554650	Bolt	1	
322	A04JJ00M100	Hex. nut	2	M12
323	31711552800	Piston	1	
324	J2600P05200	O-ring	1	P-52 (NOK)
325	J04SH000240	SKY-packing	1	SKY-20 (SAKAGAMI)
326	A49PY000670	Spring	16	40×20, 4×2, 25t
327	31711552791	Cover	1	
328	A06CB080250	Skt. HD. cap scr.	6	M8×25
329	J2600G05500	O-ring	1	G-55 (NOK)
330	J2600P02000	O-ring	1	P-20 (NOK)
331	21711552781	Cover	1	
332	A06CB080650	Skt. HD. cap scr.	3	M8×65
333	41711552820	Block	1	
334	A06CB060160	Skt. HD. cap scr.	2	M6×16
335	A43JJ00M060	Spring washer	2	M6
336	A12004X0200	Spring pin	1	φ4×20
337				
338	41711552810	Dog	1	
339	41711552851	Bracket	1	
340	A06CB080140	Skt. HD. cap scr.	2	M8×14
341				
342				
343				
344				
345	R26YB000980	Proximity switch	1	FL1-2D6-903(YAMATAKE HANEWEL)
346	41711554170	Plate	16	(KOUSHO)
347	21711554541	Cover	1	
348	A06CB060100	Skt. HD. cap scr.	6	M6×10
349	31711554330	Housing	1	
350	A06CB080350	Skt. HD. cap scr.	6	M8×35
351				
352				
353	41711555120	Pressure gauge	1	(ASAHI KEIKI)
354	H23NN001990	Nipple	1	PZA8PT1/4 (NTN)
355	H23NN000080	Nipple	1	PA8PT1/4 (NTN)
356		Stainless pipe	1	φ8×300
357				
358				
359				
360				

## TURRET ASS'Y(5/7) (60 tool) (Armless ATC)

List No. 51721500100

No.	Parts No.	Parts name	Q'ty	Remarks
361	41711554920	Flexible hose	2	70×9×1000 For orbit motor (TOKAI)
362	41711554930	Flexible hose	2	70×6×850 For cylinder (TOKAI)
363	41711554940	Flexible hose	2	70×6×750 For tool clamp (TOKAI)
364	H28TQ160060	Adaptor	6	16-04-04
365				
366	H23NN000050	Elbow	2	PB12PT3/8 Base block (NTN)
367	H23NN000430	Elbow	2	PBB12P3/8 Base block (NTN)
368		Stainless pipe	1	φ12×1400
369				
370				
371				
372				
373	H23NM000020	Nipple	6	PA10P1/4 (NTN)
374	H23NN000240	Nipple	2	PB10PT3/8 (NTN)
375	H23NN000250	Nipple	4	PA6PT1/4 (NTN)
376				
377				
378		Stainless pipe	1	φ10×1500
379		Stainless pipe	1	φ6×800
380				
381				
382	H28TQ160060	Adaptor	6	16-0606 (NTN)
383	H23NN000700	Busing	2	BUT3/8×1/4 Cylinder (NTN)
384				
385				
386				
387				
388				
389				
390	31711554980	Base	16	
391	41711551871	Bush	32	
392	41711551840	Pin	32	
393	41711551850	Cusion	64	
394	41711551931	Pin	2	
395	41711551910	Spring	32	
396				
397				
398				
399				
400				

## TURRET ASS'Y(6/7) (60 tool) (Armless ATC)

List No. 51721500100

No.	Parts No.	Parts name	Q'ty	Remarks
401	31711552881	Cover	16	
402	41711552970	Plate	16	
403	41711552960	Packing	16	
404				
405	41711554990	Plate	16	
406	41711555000	Packing	16	
407	41711555010	Collar	64	
408	A06CB050100	Skt. HD. cap scr.	64	M5×10
409	41711552891	Wiper	16	
410	41711552901	Plate	16	
411	A06CB050100	Skt. HD. cap scr.	32	M5×10
412	41711555020	Plate	16	
413	31711555071	Packing	1	Turret Lower
414	31711555061	Plate	1	Turret Lower
415	A16A08X0160	Round HD. cap scr.	6	M8×16
416	H10SF000630	Pipe band	2	PZ0108 (SHOUWA)
417	A16A05X0080	Round HD. cap scr.	2	M5×8
418	H3600001S80	Skt. pipe plug	2	PT1/8 (31711554830)
419		Copper pipe	1	φ8×2500
420	H23NN000260	Nipple	1	PA8PT1/8 (NTN)
421	H23NN001260	Union	1	PE8 (NTN)
422	E00PBA6E010	Nozzle	2	PBA-6E01 (TOMUSON)
423				
424				
425				
426	A06CB060200	Skt. HD. cap scr.	32	M6×20
427	EIR08120100	Collar	64	IR8×12×10 (NTN)
428	A06CB100300	Skt. HD. cap scr.	1	M10×30
429	A41JJ00M050	Washer	8	M5
430	A41JJ00M050	Washer	7	M5
431	A43JJ00M080	Spring washer	6	M8
432	A06CB080200	Skt. HD. cap scr.	6	M8×20
433	A41JJ00M050	Washer	3	M5
434	J2600P00700	O-ring	1	P7
435	A43JJ00M080	Spring washer	2	M8
436	A16A04X0080	Round HD. cap scr.	6	M4×8
437	A41JJ00M040	Washer	6	M4
438	A41JJ00M060	Washer	12	M6
439	A06CB080950	Skt. HD. cap scr.	4	M8×95
440	A41JJ00M060	Washer	12	M6

## TURRET ASS'Y(6/7) (60 tool) (Armless ATC)

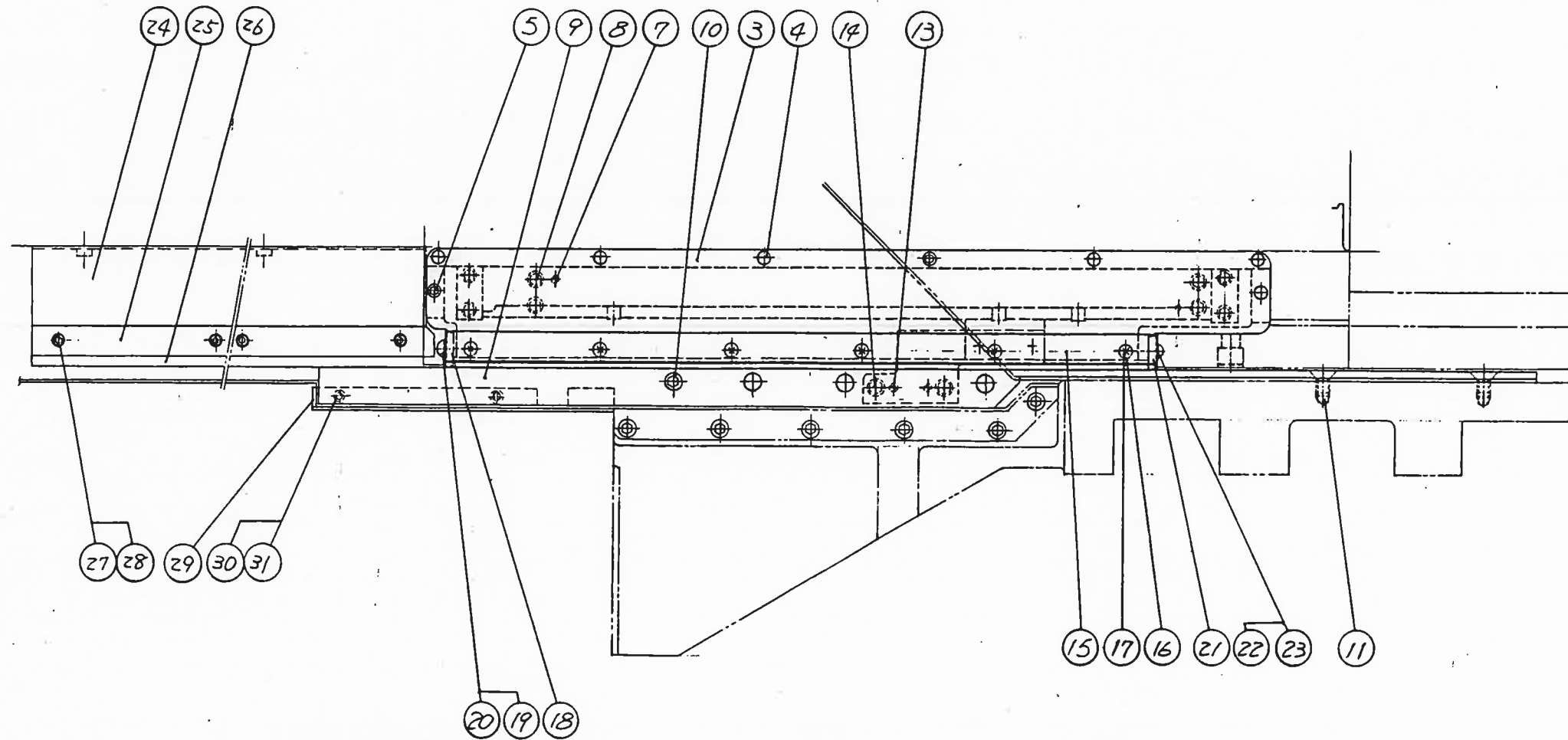
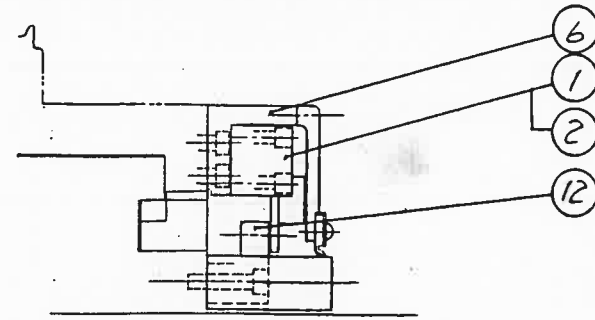
List No. 51721500100

No.	Parts No.	Parts name	Q'ty	Remarks
441	A41JJ00M050	Washer	3	M5
442	A1405050250	Key	1	5×5×25
443	A06CB080500	Skt. HD. cap scr.	2	M8×50
444	A06CB080200	Skt. HD. cap scr.	2	M8×20
445	A06CB060080	Skt. HD. cap scr.	4	M6×8
446	A43JJ00M060	Spring washer	4	M6
447	A16A04X0200	Round HD. cap scr.	1	M4×20
448	A41JJ00M040	Washer	1	M4
449	A43JJ00M080	Spring washer	6	M8
450	A41JJ00M050	Washer	8	M5
451	A41JJ00M050	Washer	8	M5
452	A15B08X0080	Skt. set scr.	1	M8×8 (Flat p.)
453	J2600S11200	O-ring	1	S112
454	J2600S10000	O-ring	1	S100
455	A15B08X0100	Skt. set scr.	1	M8×10 (Flat p.)
456	A41JJ00M080	Washer	2	M8
457	A43JJ00M080	Spring washer	6	M8
458	A43JJ00M080	Spring washer	4	M8
459	41711555980	Packing	1	
460	A41JJ00M080	Washer	2	M8
461	H3600001S80	Skt. pipe plug	2	PT1/8
462	H3600001S80	Skt. pipe plug	1	PT1/8
463	A43JJ00M100	Spring washer	8	M10
464	A41JJ00M080	Washer	6	M8
465	41711548981	Plate	2	
466	A16A04X0060	Round HD. cap scr.	10	M4×6
467	A41JJ00M040	Washer	10	M4
468	H12LAM62540	Sleeve	4	106254 (LUBE)
469	H12LAM62520	Bushing	2	106252 (LUBE)
470				
471	H12LAM50090	Flow unit	2	HJB-0 105009 (LUBE)
472	H12LAM62510	Nut	2	106251 (LUBE)
473	H12LA001880	Adaptor	1	106002 (LUBE)
474	H12LAM67730	hose	1	106773 (800mm) (LUBE)
475				
476				
477				
478				
479				
480				

## TURRET ASS'Y(7/7) (60 tool) (Armless ATC)

List No. 51721500100

No.	Parts No.	Parts name	Q'ty	Remarks
481		Hose	1	φ10×3000 (NITTA)
482	H13NT001090	Elbow	2	DL10-PT1/4(NITTA)
483	H13NT001730	Elbow	5	DL10-PT3/8(NITTA)
484		Pipe	1	φ6×200 (SHOUKETSU)
485		Stainless pipe	1	φ10×1500 Coolant
486	H13NT001740	Union tee	1	UDT10 (NITTA)
487	H14SV000580	Elbow union	1	DL06-01 (SHOUKETSU)
488	H12LAM64010	Junction bars	1	106401 (LUBE)
489	H12LAM62550	Plug	1	106255 (LUBE)
490	H14SV001340	Elbow union	1	DL08-01 (SHOUKETSU)
491	H14SV000230	Half union	1	H08-01
492		Hose	1	φ8×
493	41711553440	Plate	1	
494	41711553470	Cover	1	

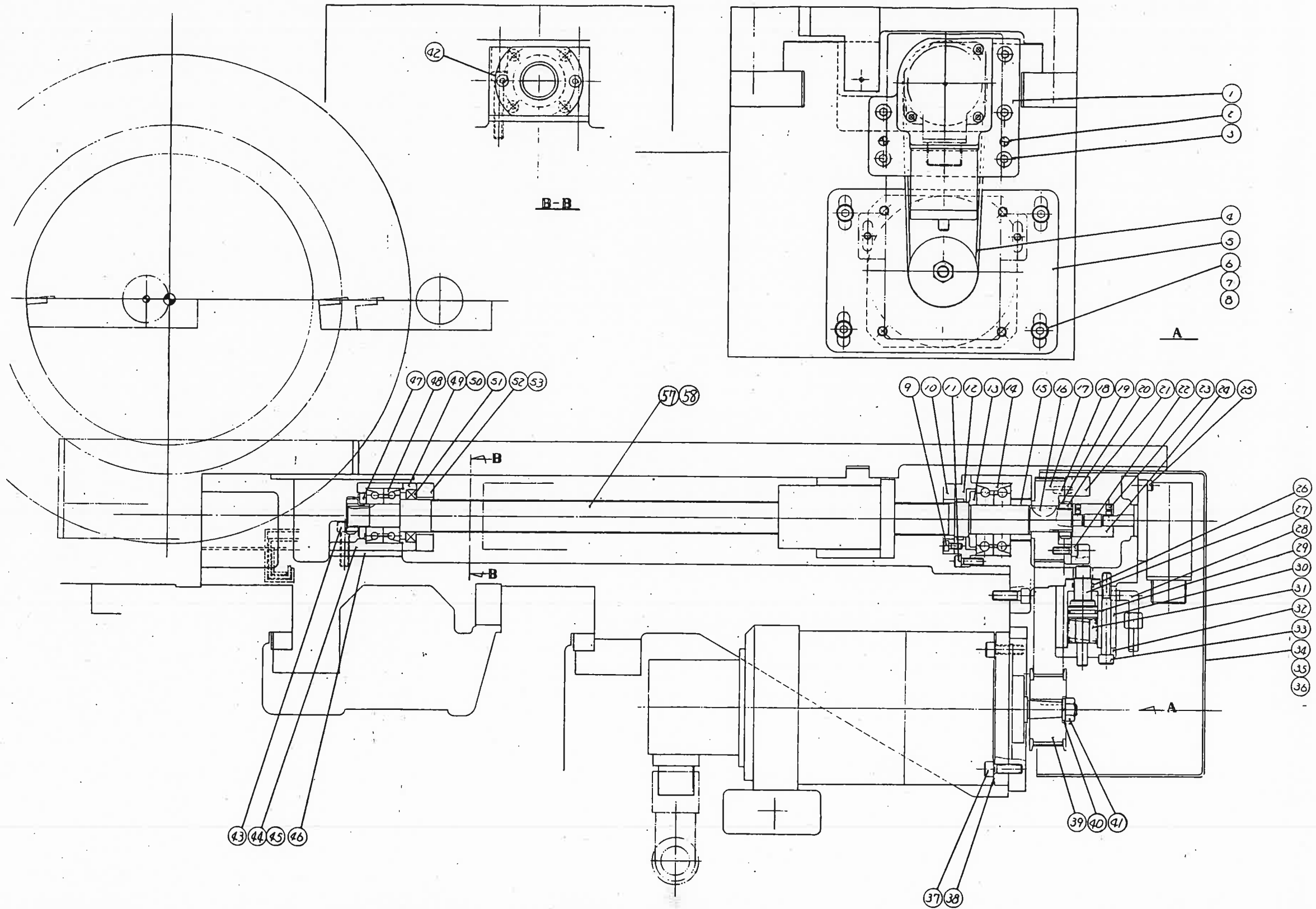


<b>Mazak</b>	SPECIFICATION APPLY :	ASSEMBLY NAME : FX MAGNE SCALE ASS'Y	Page
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## FX MAGNE SCALE ASS'Y

List No. 51712400200

No.	Parts No.	Parts name	Q'ty	Remarks
1	K11SN001130	Magne scale	1	(SONY)
2	K11SN000160	Detector	1	(SONY)
3	11719114120	Cover	1	
4	A06CB050180	Skt. HD. cap scr.	6	M5×18
5	A06CB050600	Skt. HD. cap scr.	2	M5×60
6	21719114130	Plate	1	
7	A11006X0280	Taper pin	2	φ6×28
8	A06CB080200	Skt. HD. cap scr.	4	M8×20
9	21719114142	Plate	1	
10	A06CB080700	Skt. HD. cap scr.	3	M8×70
11	A16B08X0160	Flat HD. cap scr.	4	M8×16
12	31719114152	Bracket	1	
13	A12006X0400	Spring pin	2	φ6×40
14	A06CB080300	Skt. HD. cap scr.	2	M8×30
15	41719114160	Wiper	1	(NITTA)
16	A41JJ00M060	Washer	6	M6
17	A16A06X0100	Round HD. cap scr.	6	M6×10
18	41719114170	Wiper	1	(NITTA)
19	A41JJ00M060	Washer	2	M6
20	A16A06X0100	Round HD. cap scr.	2	M6×10
21	41719114180	Wiper	1	(NITTA)
22	A41JJ00M060	Washer	2	M6
23	A16A06X0100	Round HD. cap scr.	1	M6×10
24	41719113631	Cover	1	
25	41719113641	Plate	1	
26	41719113621	Packing	1	
27	A06CB040060	Skt. HD. cap scr.	4	M4×6
28	A41JJ00M040	Washer	4	M4
29	41749113601	Cover	1	
30	A06CB050100	Skt. HD. cap scr.	2	M5×10
31	A41JJ00M050	Washer	2	M5



**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC

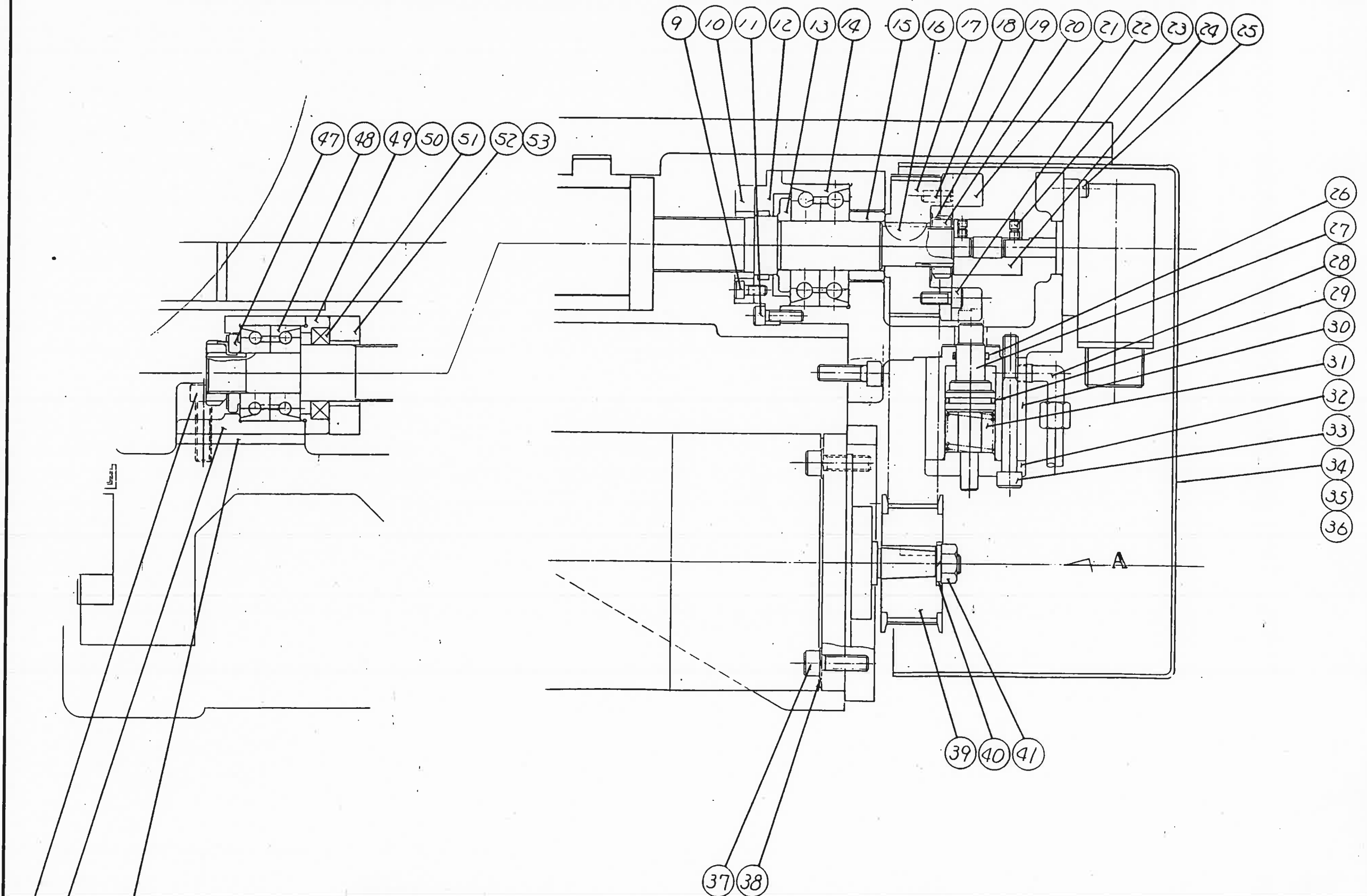
SPECIFICATION APPLY

ASSEMBLY NAME : X-AXIS FEED BOX ASS'Y

DRAWING NO : 017125AS010

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**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC  
 SPECIFICATION APPLY :

ASSEMBLY NAME : X-AXIS FEED BOX ASS'Y  
 DRAWING NO : 017125AS010

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## X-AXIS FEED BOX ASS'Y

List No. 51712500200

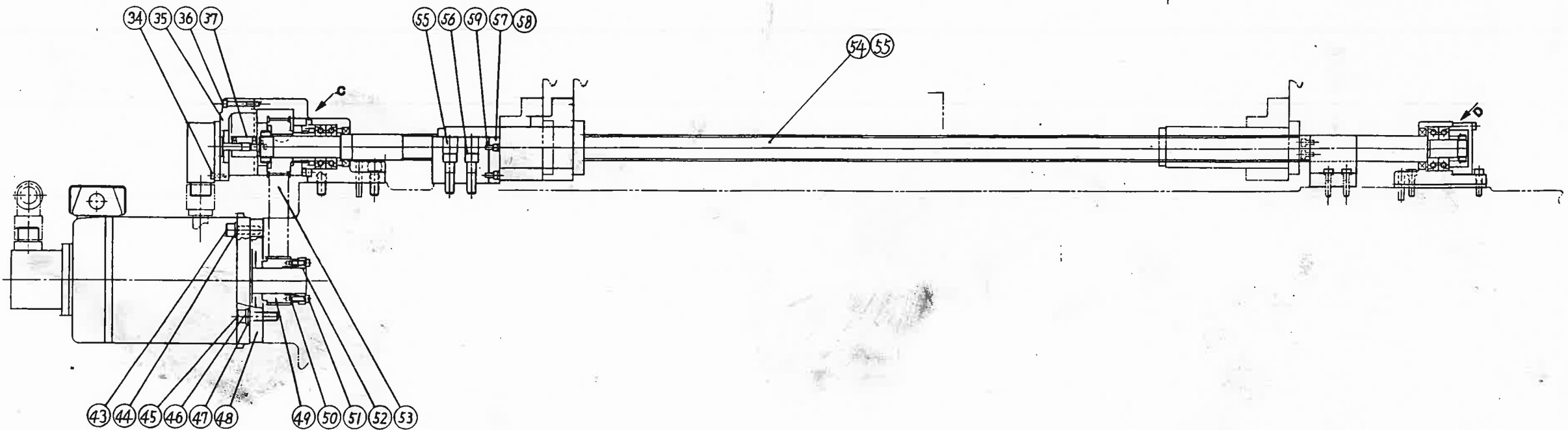
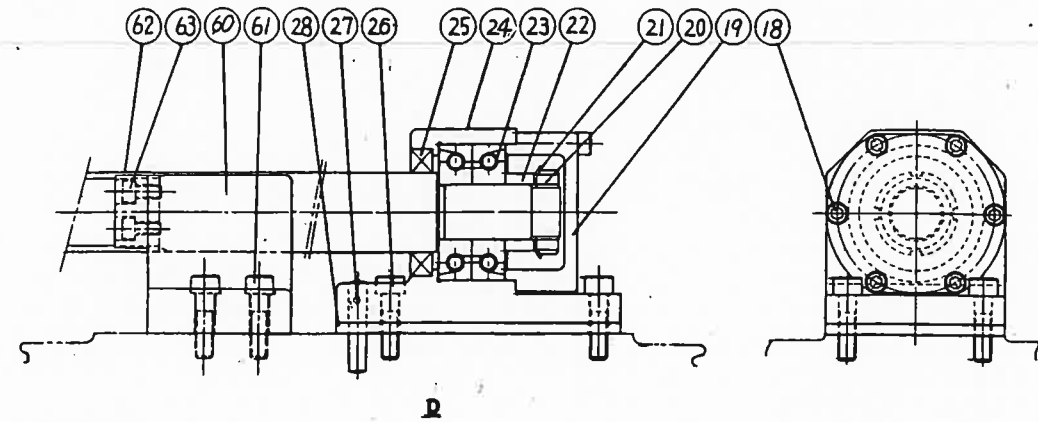
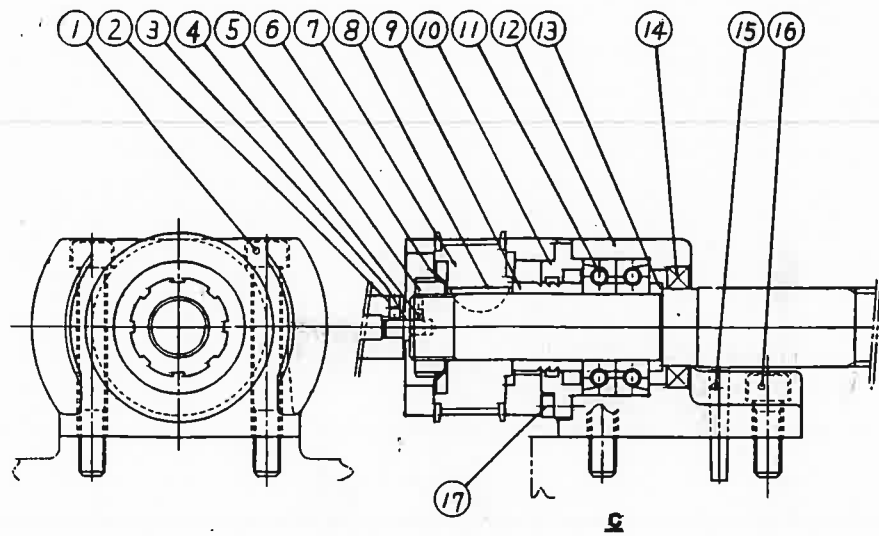
No.	Parts No.	Parts name	Q'ty	Remarks
1	11712507091	Bracket	1	
2	A11F08X0320	Taper pin tap. e.	2	φ8×32
3	A06CB080250	Skt. HD. cap scr.	5	M8×25
4	L08MH000020	Timing blet	1	210L100 (MITSUBOSHI)
5	31712507080	Base	1	
6	A06CB080300	Skt. HD. cap scr.	4	M8×30
7	A43JJ00M080	Spring LK. washer	4	M8
8	41712507450	Washer	4	M8
9	A06CB050120	Skt. HD. cap scr.	3	M5×12
10	41712507070	Cushion	1	
11	A06CB060200	Skt. HD. cap scr.	6	M6×20
12	41712507060	Retainer	1	
13	41112500571	Spacer	1	
14	E35TAA06DB0	Radial ball bearing	1	25TAA06 DB (NACHI)
15	41422506700	Spacer	1	
16	A18005X0220	Woodruff key	1	5×22
17	41612506291	Pulley	1	24L100
18	A12006X0160	Spring pin	2	φ6×16
19	A34000AW040	Bearing LK. washer	2	AW04
20	41112500552	Lock nut	2	
21	41572504180	Ring	1	
22	A06CB060160	Skt. HD. cap scr.	4	M6×16
23	A15B05X0050	Skt. set scr.	8	M5×5 (Flat p.)
24	L10MN000400	Coupling	1	DS3900 (MIKI PULLEY)
25	A06CB050160	Skt. HD. cap scr.	3	M5×16
26	J2600P01500	O-ring	1	P-15 (NOK)
27	41612506270	Piston	1	
28	H23NN000270	Pipe fitting	1	PB80PT1/8 (NTN)
29	J2600P02200	O-ring	1	P-22 (NOK)
30	41612506280	Cylinder	1	
31	A50VT000030	Spring	1	
32	41612506260	Cap	1	
33	A06CB080700	Skt. HD. cap scr.	4	M8×70
34	31712507102	Cover	1	
35	A06CB060140	Skt. HD. cap scr.	2	M6×14
36	A41JJ00M060	Washer	2	M6
37	A06CB080250	Skt. HD. cap scr.	4	M8×25
38	A43JJ00M080	Spring LK. washer	4	M8
39	41422506021	Pulley	1	20L100
40	A43JJ00M100	Spring LK. washer	1	M10

## X-AXIS FEED BOX ASS'Y

List No. 51712500200

No.	Parts No.	Parts name	Q'ty	Remarks
41	A40JJ00M100	Hex. nut	1	M10
42	A06CB080500	Skt. HD. cap scr.	2	M8×50
43	A06CB080300	Skt. HD. cap scr.	2	M8×30
44	31712507021	Bracket	1	
45	A11F08X0400	Taper pin tap. e.	2	φ8×40
46	41712507030	Shim	1	
47	41712507110	Spacer	1	
48	F20TAA04DB0	Ball bearing	1	20TAA04DB (NACHI)
49	41712507040	Retainer	1	
50	A06CB060160	Skt. HD. cap scr.	4	M6×16
51	J01AC0550E0	Oil seal	1	AC1550E0 (NOK)
52	41712507051	Cushion	1	
53	A06CB060140	Skt. HD. cap scr.	2	M6×14
54	31421538462	Bracket	1	X-AXIS B/S Bracket
55	A06CB060160	Skt. HD. cap scr.	4	M6×16
56	A06CB120250	Skt. HD. cap scr.	2	M12×25
57	51718400300	Ball screw	1	(Between center 1000)
58	51718400300	Ball screw	1	(Between center 1500)





## Z-AXIS FEED BOX ASS'Y (MITSUBISHI HD-101-12)

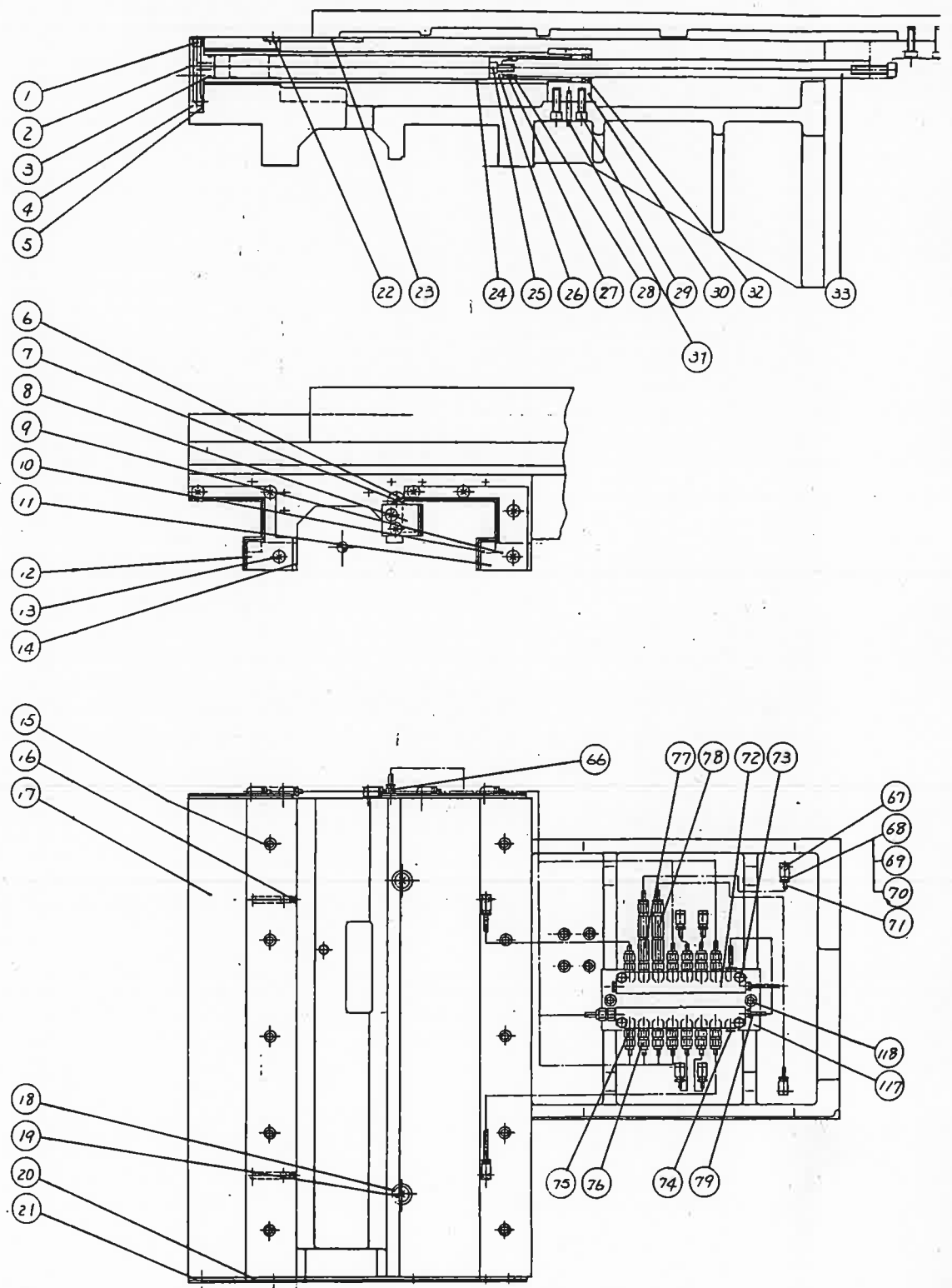
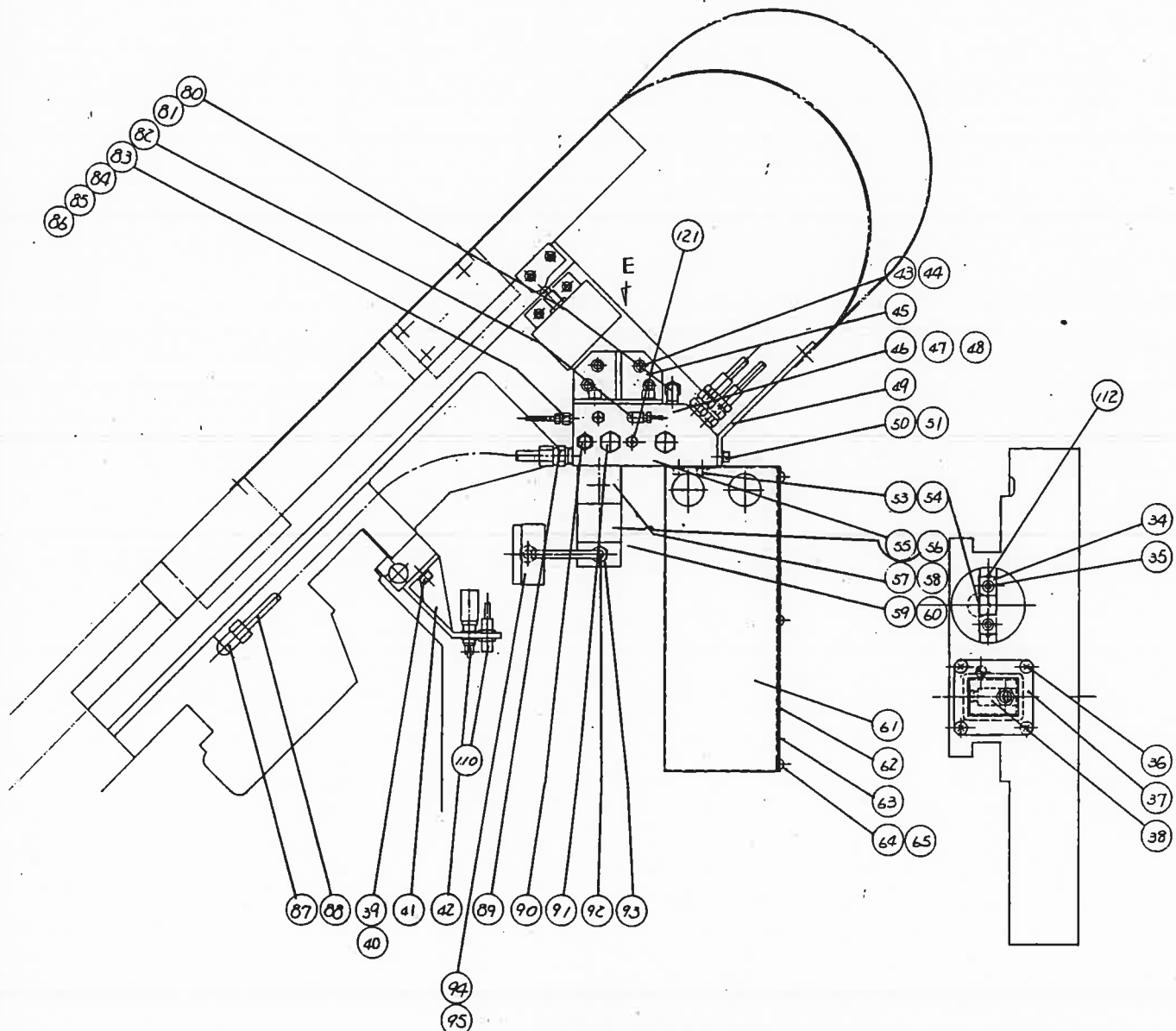
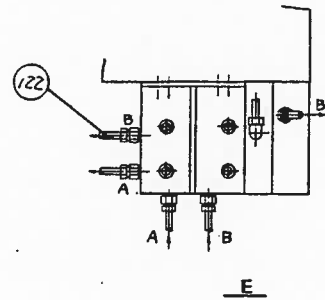
Unit No. 51713000200

No.	Parts No.	Parts name	Q'ty	Remarks
1	A06CB120950	Skt. HD. cap scr.	2	M12×95
2	A15B05X0050	Skt. set scr.	8	M5×5 (Flat p.)
3	41552502730	Joint pin	1	
4	A15D04X0050	Skt. set scr.	1	M4×5 (Cup p.)
5	41143000344	Lock nut	1	
6	A34000AW060	Bearing LK. washer	1	AW06
7	41443008710	Pulley	1	20H100~B/S side
8	A18007X0280	Woodruff key	1	7×28
9	41443008050	Collar	1	
10	41443008110	Retainer	1	
11	E30TAA06DB0	Ball bearing	1	30TAA06DB (NACHI)
12	21713008990	Housing	1	
13	41443008060	Collar	1	
14	J01ACZ085A1	Oil seal	1	AC2085A1 (NOK)
15	A11F08X0500	Taper pin tap. e.	2	φ8×50
16	A06CB120350	Skt. HD. cap scr.	2	M12×35
17	A06CB060200	Skt. HD. cap scr.	6	M6×20
18	A06CB060400	Skt. HD. cap scr.	6	M6×40
19	41443008080	Cover	1	
20	41143000421	Lock nut	1	
21	A34000AW050	Bearing LK. washer	1	AW05
22	41443008070	Collar	1	
23	E25TAA06DB0	Ball bearing	1	25TAA06DB (NACHI)
24	21443008100	Bracket	1	
25	J01AM2169A0	Oil seal	1	AM2169-A0 (NOK)
26	A06CB080300	Skt. HD. cap scr.	4	M8×30
27	A11F08X0400	Taper pin tap. e.	2	φ8×40
28	41443008741	Spacer	1	
29				
30				
31				
32				
33				
34	A06CB050160	Skt. HD. cap scr.	3	M5×16
35	31443008730	Bracket	1	
36	A06CB060450	Skt. HD. cap scr.	4	M6×45
37	L10MNO00400	Coupling	1	DS3900 (MIKI PULLEY)
38				
39				
40				

## Z-AXIS FEED BOX ASS'Y (MITSUBISHI HD-101-12)

Unit No. 51713000200

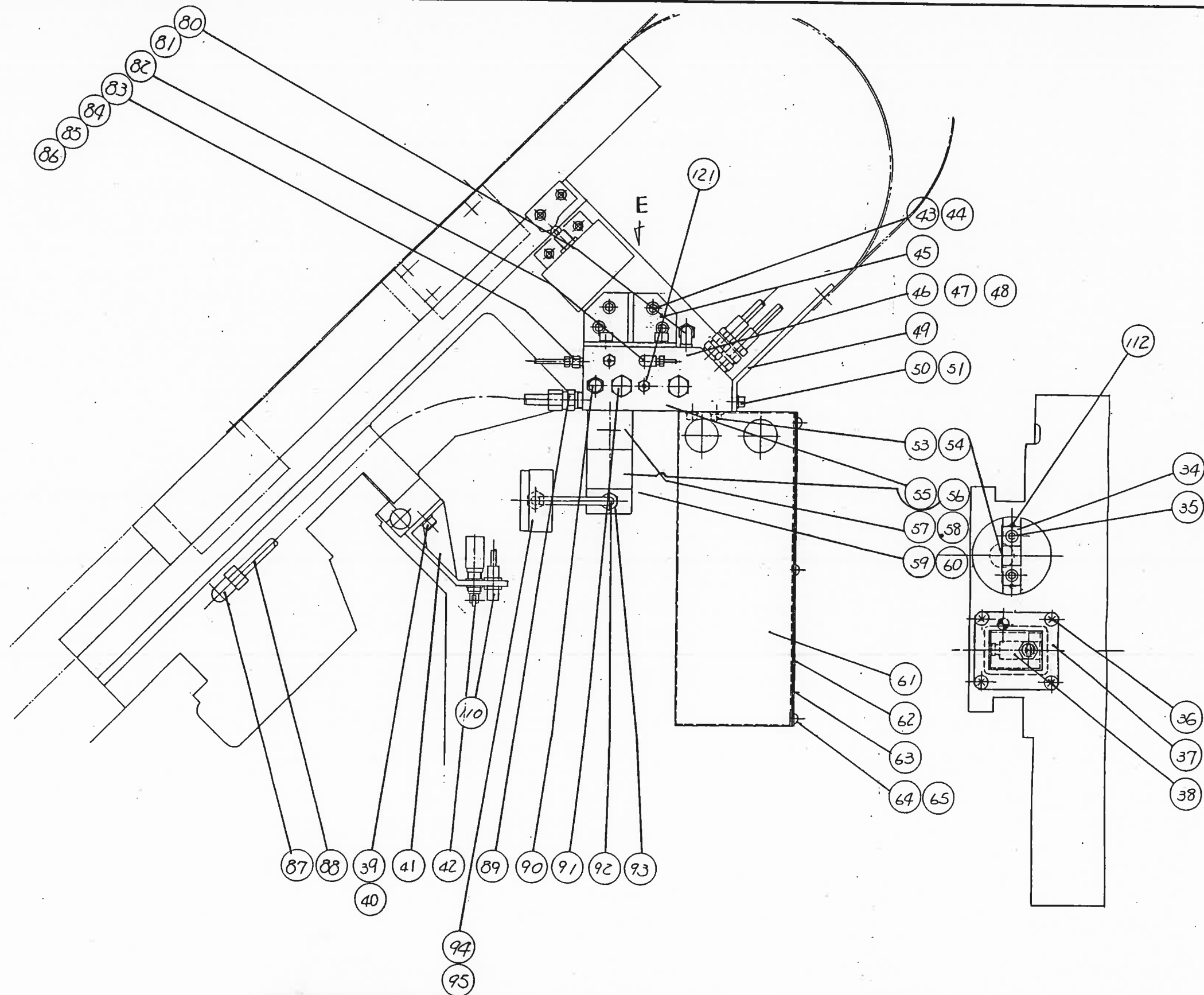
No.	Parts No.	Parts name	Q'ty	Remarks
41				
42				
43	A06CB120350	Skt. HD. cap scr.	4	M12×35
44	A43JJ00M120	Spring washer	4	M12
45	A06CB120450	Skt. HD. cap scr.	4	M12×45
46	A43JJ00M120	Spring washer	4	M12
47	A41JJ00M120	Washer	4	M12
48	41572504210	Base	1	
49	41443008700	Pulley	1	17H100 ~ M side
50	A30TL001210	Locking element	2	RfN8006 35×40
51	A06CB060200	Skt. HD. cap scr.	8	M6×20
52	41113000293	Flange	1	
53	L08MH000290	Timing belt	1	240H100
54	41718400200	Ball screw	1	(Between center 1000)
55	51718400400	Ball screw	1	(Between center 1500)



**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC  
 SPECIFICATION APPLY :

ASSEMBLY NAME : CARRIAGE ASS'Y  
 DRAWING NO : 017135A0070



**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC

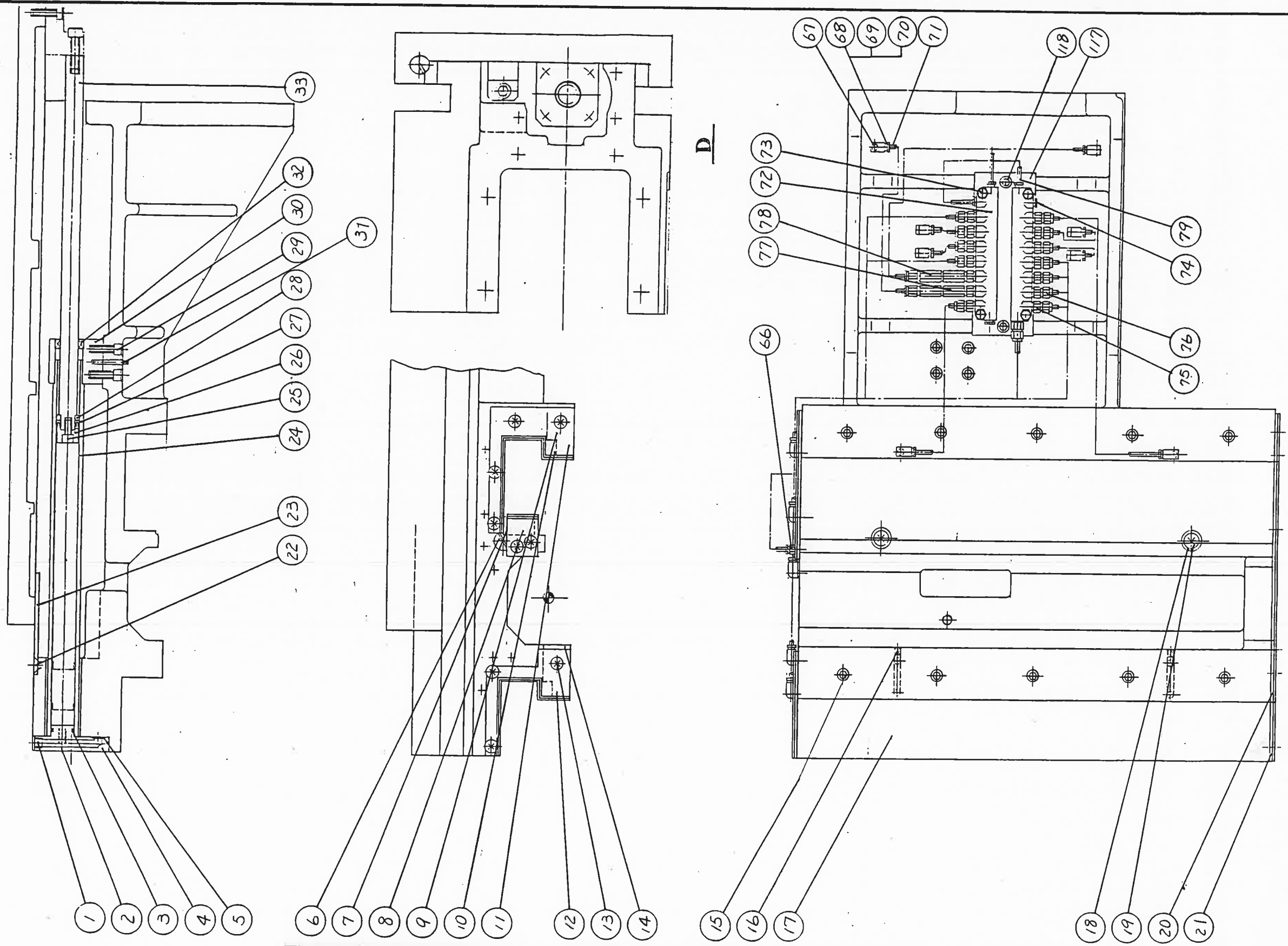
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ASSEMBLY NAME : CARRIAGE ASS'Y

DRAWING NO : 017135A0070

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**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC

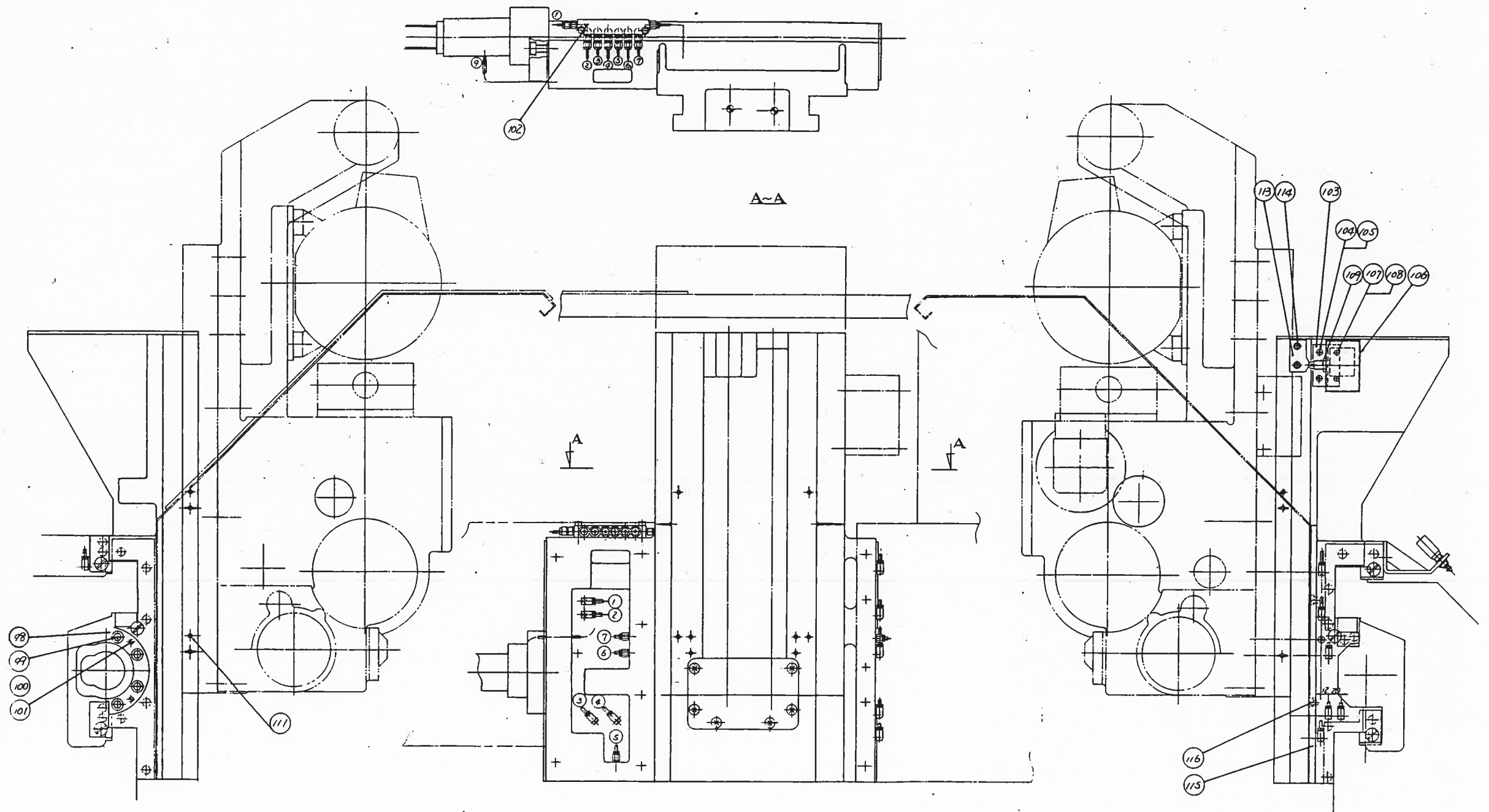
SPECIFICATION APPLY :

ASSEMBLY NAME : CARRIAGE ASS'Y

DRAWING NO : 017135A0070

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**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC

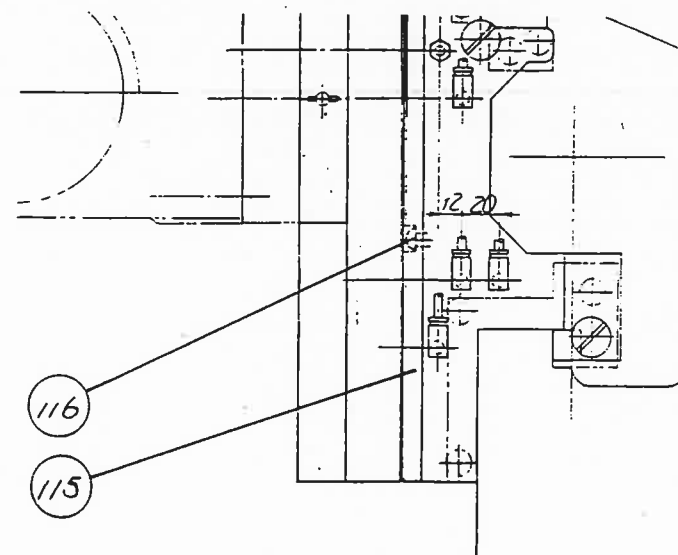
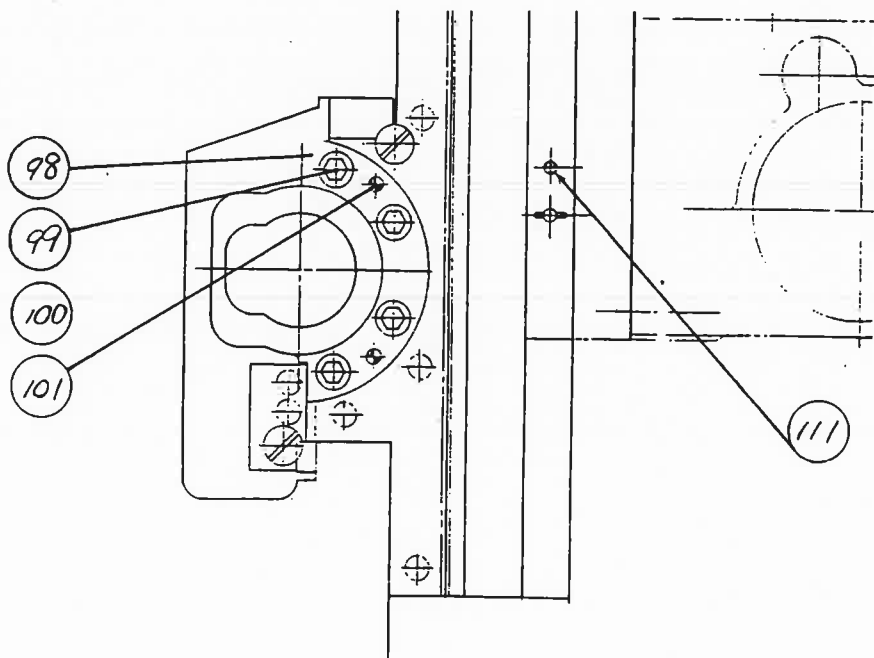
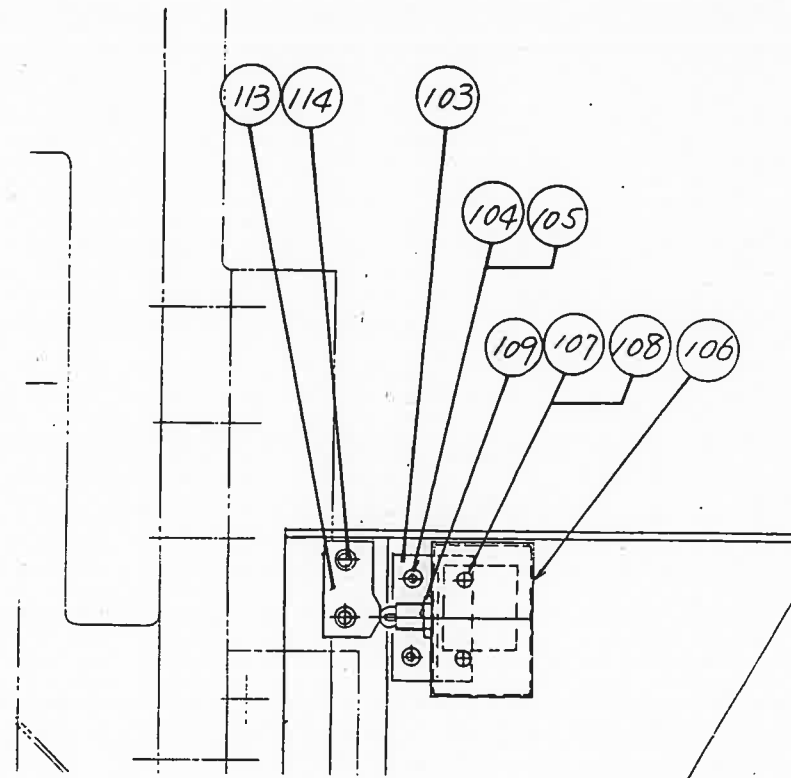
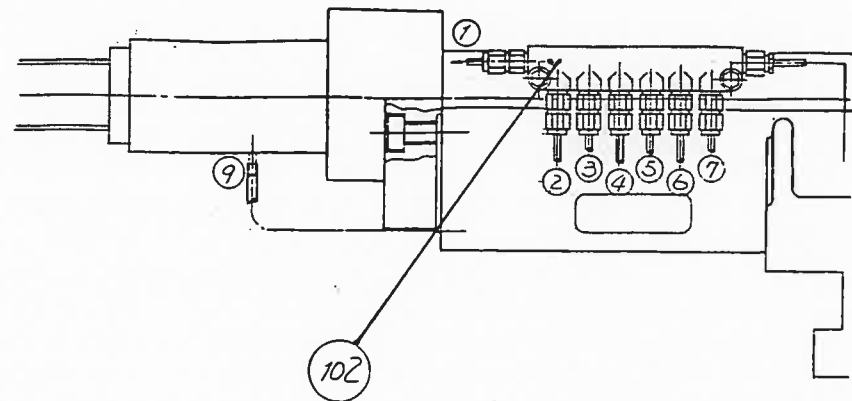
SPECIFICATION APPLY :

ASSEMBLY NAME : CARRIAGE ASS'Y

DRAWING NO : 017135A0080

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**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC

SPECIFICATION APPLY :

ASSEMBLY NAME : CARRIAGE ASS'Y

DRAWING NO : 017135A0080

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## CARRIAGE ASS'Y

List No. 51713500200

No.	Parts No.	Parts name	Q'ty	Remarks
1	H3600001S80	Skt. pipe plug	1	PT 1/8
2	A06DG080200	Skt. HD. cap scr.	4	M8×20
3	J2600P02100	O-ring	1	P21
4	41713513321	Cap	1	
5	J2600P01000	O-ring	1	P10
6	41411529600	Adjusting bolt	6	
7	31713513440	Gib	1	
8	41443511130	Wiper	1	
9	41713513390	Wiper	1	
10	31713513430	Gib	2	
11	21713513412	Retainer (R)	1	
12	41713513450	Wiper	1	
13	A16A08X0160	Round HD. cap scr.	19	M8×16
14	21713513421	Retainer (F)	1	
15	A06CB080350	Skt. HD. cap scr.	8	M8×35
16	41411540140	Plug	3	Retainer 2pcs., Carriage 1pcs., For φ6.8
17	01713513474	Carriage	1	
18	A41JJ00M100	Washer	2	M10
19	A16B08X0160	Flat HD. cap scr.	2	M8×16
20	41443511112	Wiper	2	
21	31713513401	Wiper	1	
22	A16B08X0140	Flat HD. cap scr.	6	M8×14
23	41713513381	Cover	1	
24	41713513330	Cylinder	1	
25	A06CB080200	Skt. HD. cap scr.	1	M8×20
26	41713513360	Retainer	1	
27	J24NV002260	SPG packing	1	SPGY 15×25×8.8 (NOK)
28	41713513370	Ring	1	
29	A06CB080250	Skt. HD. cap scr.	4	M8×25
30	31713513350	Bracket	1	
31	A11M06X0320	Taper pin thre e.	2	φ6×32
32	J04SH000030	Dust scraper	1	SCB20 (SAKAGAMI)
33	41713513341	Rod	1	
34	41713513311	Block	2	
35	41773719170	Bolt	2	
36	A16A08X0140	Round HD. cap scr.	4	M8×14
37	31713513481	Bracket	1	
38	R25YB001120	Micro switch	1	SL1-KK (YAMATAKE)
39	A06CB080160	Skt. HD. cap scr.	2	M8×16
40	A41JJ00M080	Washer	2	M8

## CARRIAGE ASS'Y

List No. 51713500200

No.	Parts No.	Parts name	Q'ty	Remarks
41	31713513462	Bracket	1	
42	R25YB001110	Micro switch	1	SL1-EK (YAMATAKE)
43	A06CB080200	Skt. HD. cap scr.	8	M8×20
44	A43JJ00M080	Spring washer	8	M8
45	31713514990	Bracket	1	
46	11713513521	Manifold	1	
47	H3600001S80	Skt. pipe plug	5	PT 1/8
48	H3600001S40	Skt. pipe plug	2	PT 1/4
49	31713513641	Supporter	1	
50	A06CB060160	Skt. HD. cap scr.	2	M6×16
51	A43JJ00M060	Spring washer	2	M6
52				
53	A06CB060160	Skt. HD. cap scr.	4	M6×16
54	A43JJ00M060	Spring washer	4	M6
55	41775224920	Manifold	1	
56	G12TK000040	Relief valve	1	DGMC-3-P-T-CW-21-JA-SA (TOKYO KEIKI)
57	G14FH000110	Check valve	1	OC-G01-P1-10 (NACHI)
58	J2600P00800	O-ring	4	P-8
59	H3600001S80	Skt. pipe plug	1	PT 1/8
60	A06CB051100	Skt. HD. cap scr.	4	M5×110
61	21713513842	Box	1	
62	41713513851	Packing	1	
63	31713513961	Cover	1	
64	A16A05X0080	Round HD. cap scr.	6	M5×8
65	A41JJ00M050	Washer	6	M5
66	H12LA001880	Straight adaptor	3	166002 (LUBE)
67	H12LA001890	Elbow adaptor	19	166025 (LUBE)
68	H12LAM62530	Bushing	27	106253 (LUBE)
69	H12LAM62710	Tubing insert	31	106271 (LUBE)
70	H12LAM62540	Sleeve	49	106254 (LUBE)
71		Pipe	1	Nylon 4
72	H12LAM64070	Junction bars	2	PT-10S, 106407 (LUBE)
73	A06CB060250	Skt. HD. cap scr.	8	M6×25
74	H12LAM62550	Seal plug	1	106255 (LUBE)
75	H12LAM50090	Meter units	22	HIB-0, 105009 (LUBE)
76	H12LAM62510	Nut	22	106251 (LUBE)
77				
78				
79		Copper pipe	1	CUT4
80	H23NN000270	Elbow	1	PB8PT 1/8 (NTN)



## CARRIAGE ASS'Y

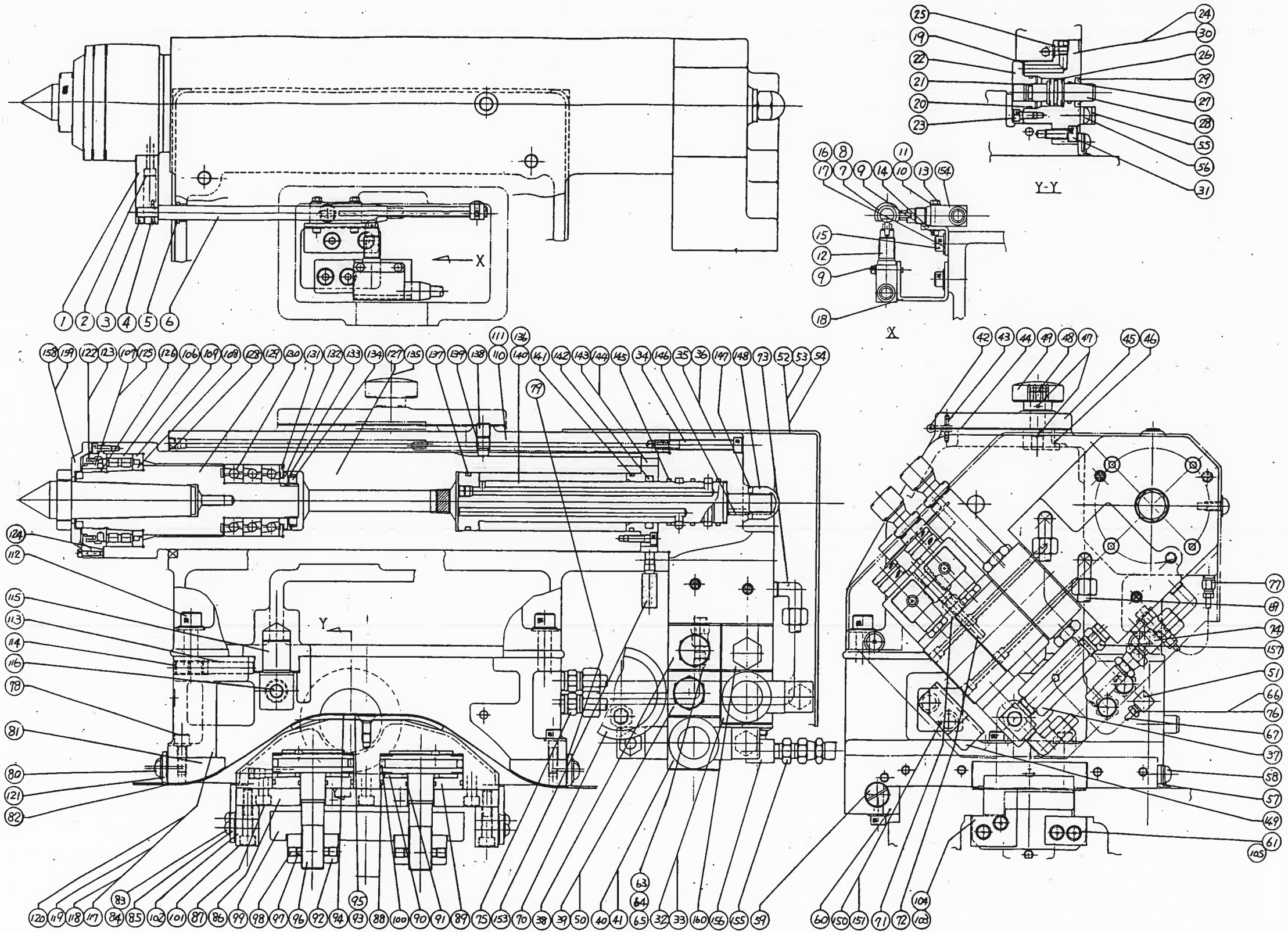
List No. 51713500200

No.	Parts No.	Parts name	Q'ty	Remarks
81		Stainless pipe	1	φ 8×400
82	H12LAM60210	Elbow	1	106021 (LUBE)
83	H12LAM60010	Nipple	2	106001 (LUBE)
84	H12LAM62530	Bushing	3	106253 (LUBE)
85	H12LAM62710	Tubing insert	3	106271 (LUBE)
86	H12LAM62540	Sleeve	3	106254 (LUBE)
87	H23NN000140	Elbow	1	PB10PT3/8 (NTN)
88		Stainless pipe	1	φ 10×600
89	H23NN000020	Nipple	1	PA10PT1/4 (NTN)
90	H28TQ120060	Adaptor	2	12-0606 (TOKAI)
91	H28TQ120060	Adaptor	4	12-0606 (TOKAI)
92		Stainless pipe	1	φ 8×150
93	H23NN000080	Nipple	1	PA8PT1/4 (NTN)
94	41146012480	Pressure gauge	1	For counter balance (ASAHI KEIKI)
95	H23NN000130	Connector	1	ML8PS1/4 (NTN)
96				
97				
98	31443511191	Bracket	1	
99	A06CB120300	Skt. HD. cap scr.	4	M12×30
100	A06CB080300	Skt. HD. cap scr.	4	M8×30
101	A11F08X0400	Taper pin tap. e.	2	φ 8×40
102	H12LAM64050	Junction bars	1	PJ-8S, 106405 (LUBE)
103	31713515000	Bracket	1	
104	A43JJ00M080	Spring washer	2	M8
105	A06CB080160	Skt. HD. cap scr.	2	M8×16
106	31713516010	Cover	1	
107	A16A05X0060	Round HD. cap scr.	2	M5×6
108	A41JJ00M050	Washer	2	M5
109	R25YB001110	Micro switch	1	SL1-EK (YAMATAKE)
110	R26YB001050	Proximity switch	1	FL-1-2E6 (YAMATAKE)
111	41713514980	Plug (φ 4)	12	(For carriage)
112	A11F05X0250	Taper pin tap. e.	2	φ 5×25
113	41711554030	Dog	1	
114	A06CB080250	Skt. HD. cap scr.	2	M8×25
115	41713516050	Plate	1	
116	A16A08X0160	Round HD. cap scr.	2	M8×16
117	41713516060	Plate	1	
118	A06CB080160	Skt. HD. cap scr.	2	M8×16
119				
120				

## CARRIAGE ASS'Y

List No. 51713500200

No.	Parts No.	Parts name	Q'ty	Remarks
121		Half union	3	H06-01 (SHOUKETSU)
122		Nylon tube	1	φ 6×1000



**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC

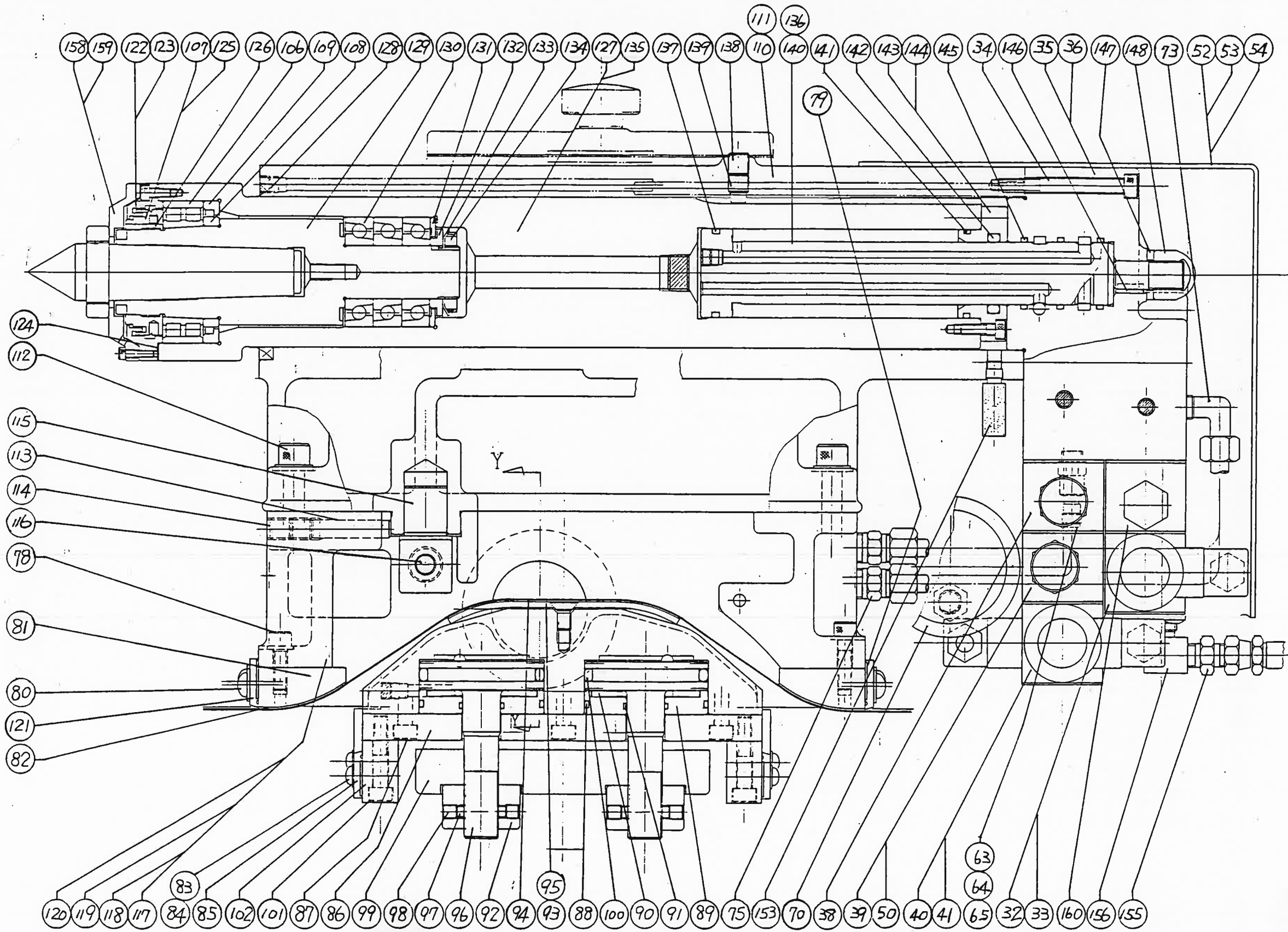
SPECIFICATION  
APPLY

ASSEMBLY  
NAME : TAILSTOCK ASS'Y

DRAWING NO : 217137A0040

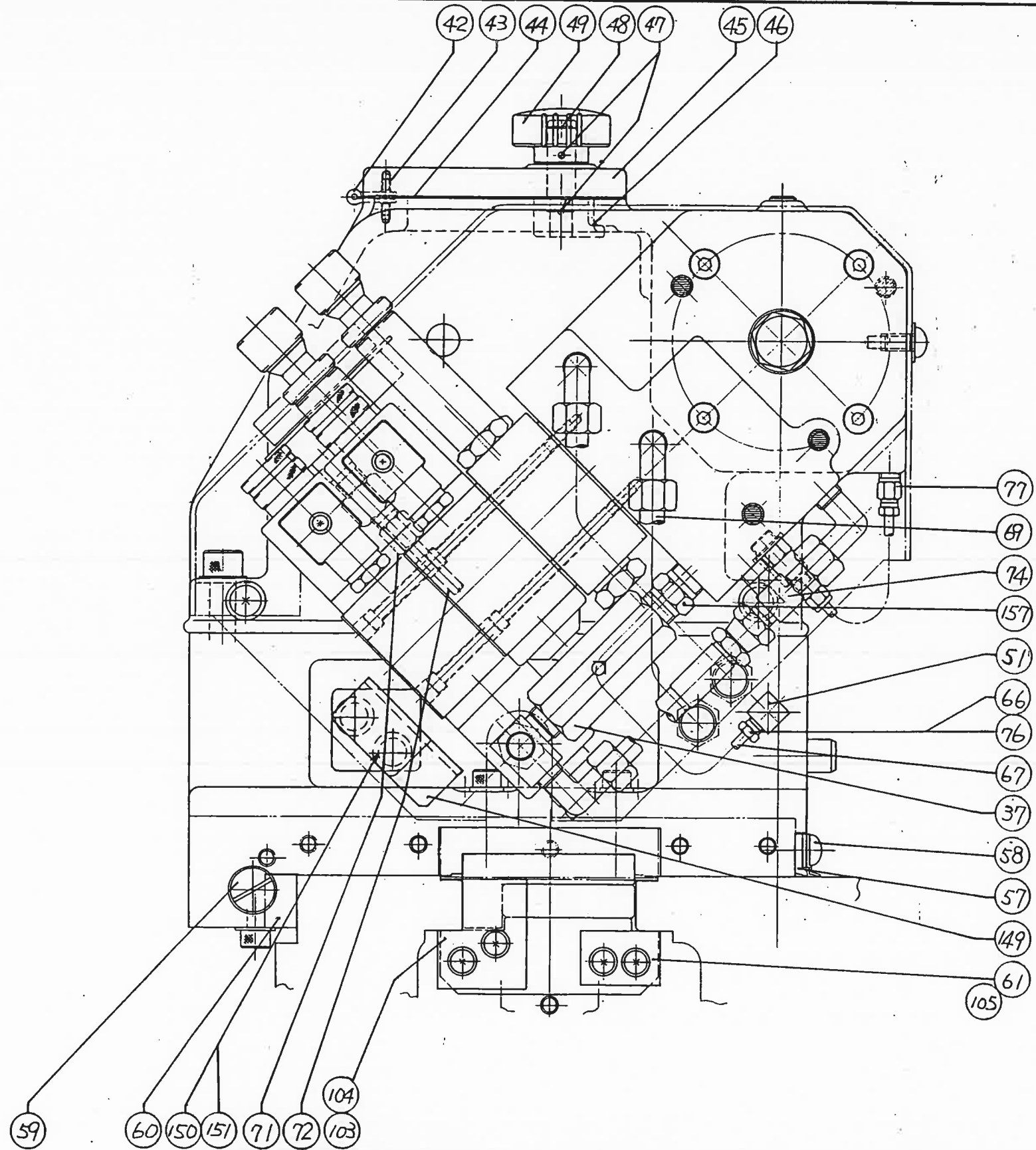
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MACHINE MODEL: SLANT TURN-25 ATC  
 SPECIFICATION APPLY :

ASSEMBLY NAME : TAILSTOCK ASS'Y  
 DRAWING NO : 217137A0040



**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC

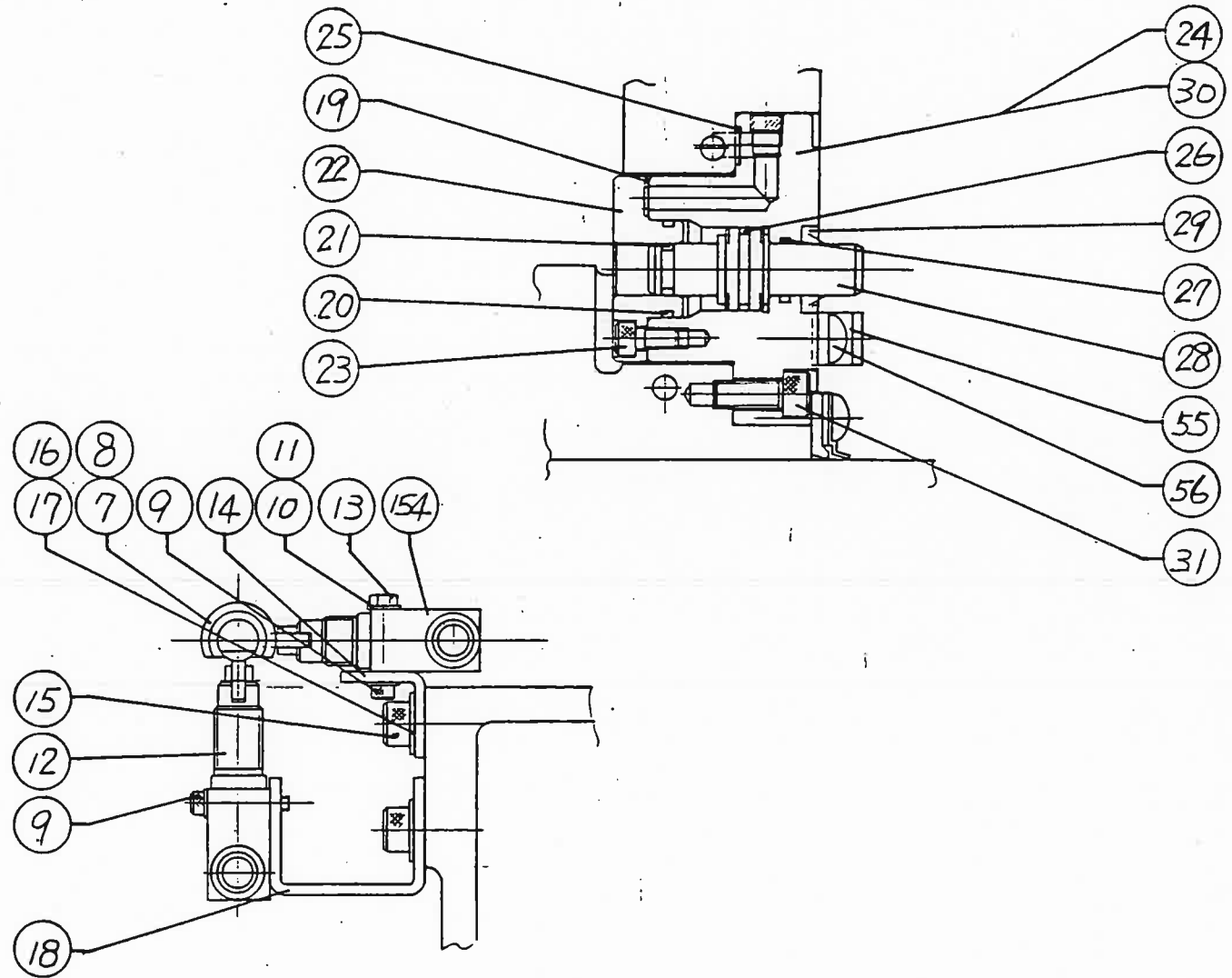
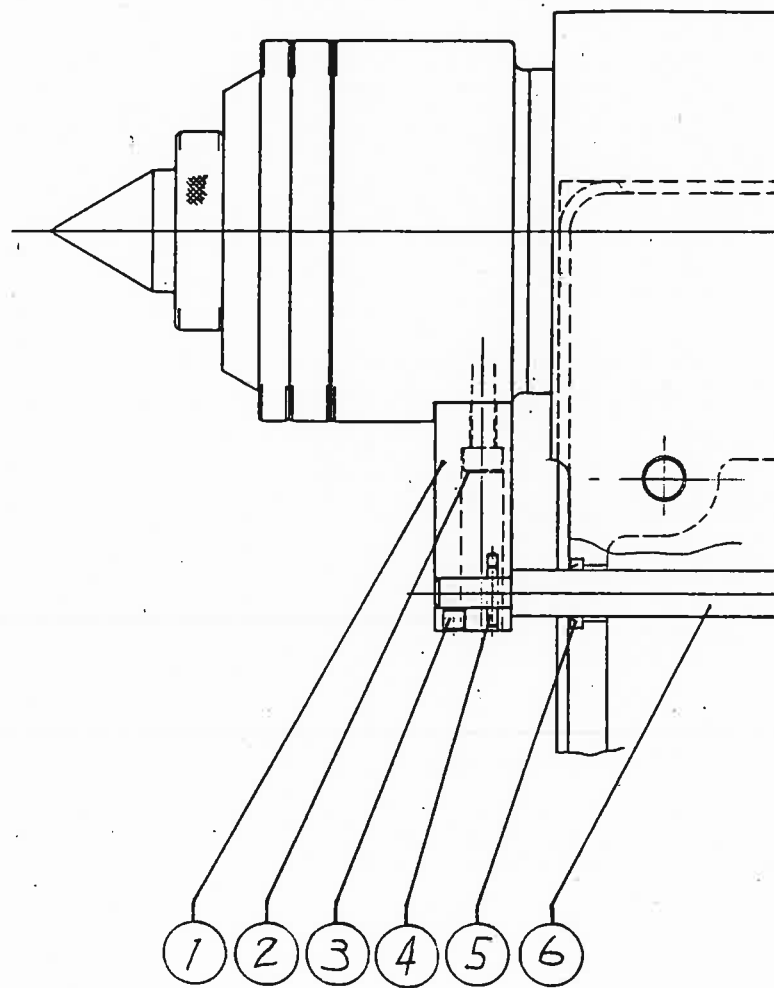
SPECIFICATION APPLY :

ASSEMBLY NAME : TAILSTOCK ASS'Y

DRAWING NO : 217137A0040

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**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC

SPECIFICATION APPLY :

ASSEMBLY NAME : TAILSTOCK ASS'Y

DRAWING NO : 217137A0040

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## TAILSTOCK ASS'Y(1/2) (ST-25)

List No. 51713700200

No.	Parts No.	Parts name	Q'ty	Remarks
1	41713726840	Supporter	1	
2	A06CB060200	Skt. HD. cap scr.	2	M6×20
3	A15B06X0060	Skt. set scr.	1	M6×6 (Flat p.)
4	A12003X0160	Spring pin	1	φ3×16
5	J020G120830	Dust seal	1	G12×18×3 (NTN)
6	41713728220	Dog	1	
7	41503717360	Dog	1	
8	A15B05X0060	Skt. set scr.	1	M5×6 (Flat p.)
9	A06CB040250	Skt. HD. cap scr.	4	M4×25
10	A43JJ00M040	Spring washer	4	M4
11	A41JJ00M040	Washer	4	M4
12	R25YB001110	Micro switch	1	SL1-EK(YAMATAKE)
13	41603712830	Nut	1	
14	41713724911	Bracket	1	
15	A06CB080160	Skt. HD. cap scr.	4	M8×16
16	A43JJ00M080	Spring washer	4	M8
17	A41JJ00M080	Washer	4	M8
18	41713724921	Bracket	1	
19	J2600P00800	O-ring	1	P8
20	J2600P02200	O-ring	1	P22
21	J2600P01100	O-ring	1	P11
22	41773719640	Cap	1	
23	A06CB060120	Skt. HD. cap scr.	4	M6×12
24	H3600001S80	Skt. pipe plug	3	PT1/3
25	J2600P00800	O-ring	2	P8
26	J2600P02000	O-ring	1	P20
27	J2600P01500	O-ring	1	P15
28	41573708761	Pin	1	
29	J24NV000510	Dust seal	1	DKI15×25×5×7 (NOK)
30	31773719262	Housing	1	
31	A06CB080300	Skt. HD. cap scr.	3	M8×30
32	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11(NACHI)
33	A06CB050850	Skt. HD. cap scr.	4	M5×85
34	A06CB080700	Skt. HD. cap scr.	4	M8×70
35	11713726870	Bracket	1	
36	H3600001S80	Skt. pipe plug	9	PT1/8
37	G14FH000130	Check valve	1	CN-T03-1-10(NACHI)
38	G17FH001020	Flow regulator	1	OCY-G01-A-Y-K-66269(NACHI)
39	G11FH000940	Reducing valve	1	OG-G01-B1-K-5708A(NACHI)
40	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11(NACHI)

## TAILSTOCK ASS'Y(1/2) (ST-25)

List No. 51713700200

No.	Parts No.	Parts name	Q'ty	Remarks
41	A06CB051250	Skt. HD. cap scr.	4	M5×125
42	41553707810	Hinge	1	
43	A16B04X0080	Flat HD. cap scr.	4	M4×8
44	31553707820	Packing	1	
45	31553707800	Cap	1	
46	41154702940	Cam	1	
47	A11003X0200	Taper pin	2	φ3×20
48	41553707830	Shaft	1	
49	41154702950	Grip	1	
50	H23NN000250	Nipple	1	PA6PT1/4 (NTN)
51	H12LAM60210	Adaptor	1	M6021 (LUBE)
52	11713726900	Cover	1	
53	A06CB080160	Skt. HD. cap scr.	3	M8×14
54	A41JJ00M080	Washer	3	M8
55	41773720130	Dog	1	
56	A16A08X0160	Round HD. cap scr.	2	M8×16
57	31713724471	Wiper	1	
58	A16A08X0160	Round HD. cap scr.	6	M8×16
59	41111500590	Bolt	2	
60	31713724550	Gib	1	
61	41713724460	Wiper	2	
62				
63	H12LA000070	Sealing washer	2	MT-7612 (LUBE)
64	H12LA000040	Valve	2	MT-5020 (LUBE)
65	H12LAM62510	Nut	2	M6251 (LUBE)
66	H12LAM62540	Sleeve	4	M6254 (LUBE)
67		Copper pipe	1	φ4×1000
68				
69		Stainless pipe	1	10×1200
70	31713726910	Thrust gauge	1	
71	H23NN000380	Nipple	1	PZA6PT1/4 (NTN)
72		Stainless pipe	1	φ6×400
73	H23NN000030	Elbow	4	P510PT1/4 (NTN)
74	H28TQ130040	Adaptor	1	13-0404 (TOKAI)
75	H23NN000020	Nipple	2	PA10PT3/8 (NTN)
76	H12LAM62520	Bushing	2	M6252 (LUBE)
77	H12LAM60010	Adaptor	1	M6001 (LUBE)
78	A06CB080750	Skt. HD. cap scr.	4	M8×25
79	31713724480	Wiper (TL)	1	
80	A16A08X0200	Round HD. cap scr.	12	M8×20

## TAILSTOCK ASS'Y(2/2) (ST-25)

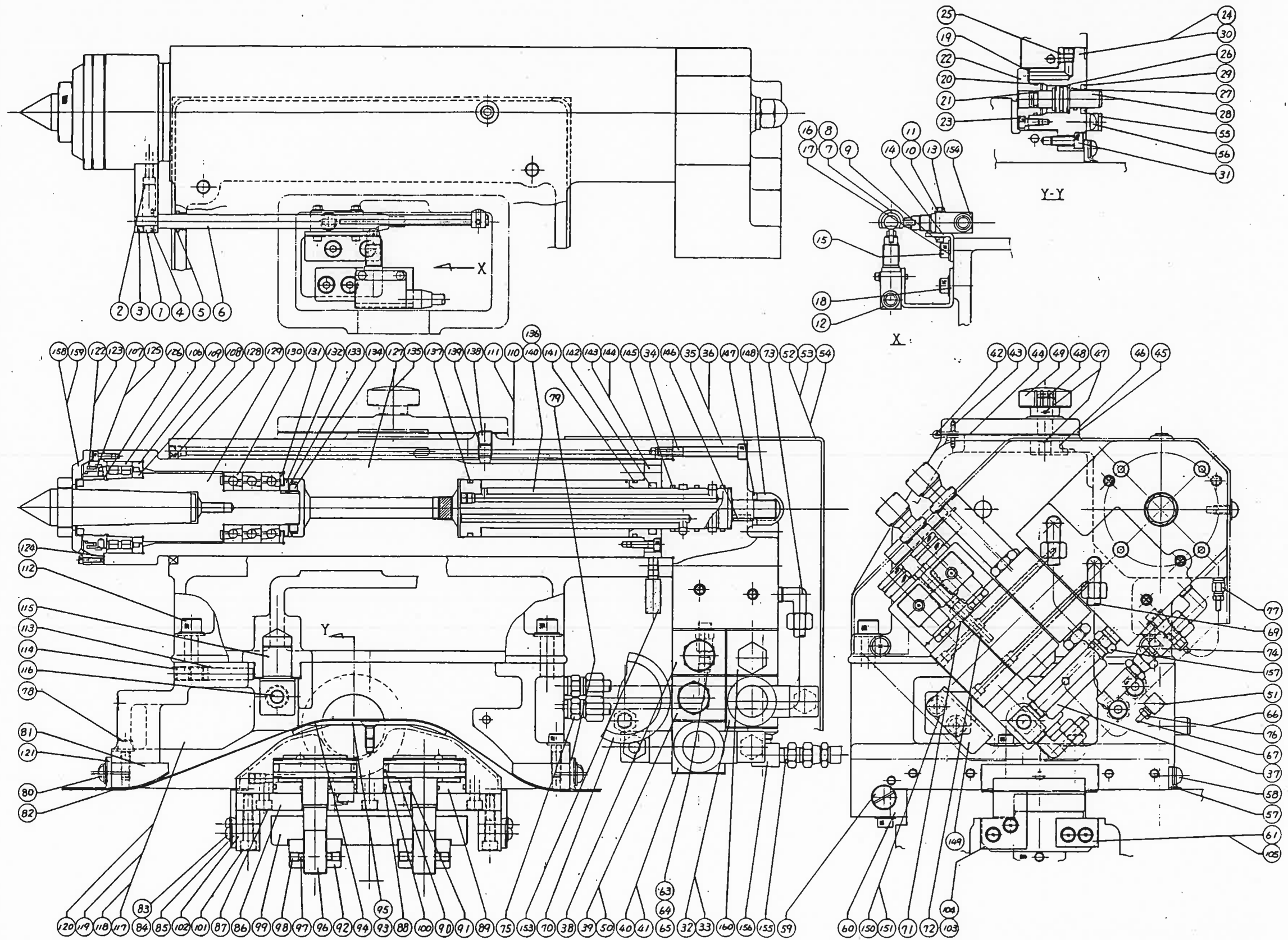
List No. 51713700200

No.	Parts No.	Parts name	Q'ty	Remarks
81	41713724520	Supportor	2	
82	41713724510	Liner	2	Nitofron tape NC901F (MITSUBOSHI)
83	A16A06X0140	Round HD. cap scr.	2	M6×14
84	A16A06X0100	Round HD. cap scr.	2	M6×10
85	41713724440	Wiper	1	
86	31713726790	Plate	1	
87	A06CB080200	Skt. HD. cap scr.	12	M8×20
88	J2600G06500	O-ring	2	G65
89	41713726780	Cap	2	
90	A49VX000710	Cond. disc spring	2	A-63 63×31×3.5(TOKUHATSU)
91	J2600P02200	O-ring	2	P-22
92	41713724360	Nut	2	
93	41713726830	Supportor	1	
94	41713726820	Liner	1	Nitofron tape NC901F (MITSUBOSHI)
95	A16B08X0160	Flat HD. cap scr.	2	M8×16
96	31713726770	Piston	2	
97	41541514600	Show	8	
98	A15B08X0080	Skt. set scr.	8	M8×8 (Flat p.)
99	31713724340	Bracket	1	
100	J2600P06200	O-ring	2	P-62
101	A06CB080400	Skt. HD. cap scr.	4	M8×40
102	41713726800	Stopper	2	
103	41713724430	Wiper	1	
104	A16A06X0140	Round HD. cap scr.	2	M6×14
105	A16A06X0100	Round HD. cap scr.	2	M6×10
106	F04NP000040	Roller bearing	1	NN3010KCC9P4 (NSK)
107	41603712200	Nut	1	
108	41143701381	Collar	1	
109	41143701390	Spacer (1)	1	
110	01713726920	Tailstock	1	
111	H3600001S80	Skt. pipe plug	4	PT1/8
112	A06CB120400	Skt. HD. cap scr.	6	M12×40
113	A10010X0450	Straight pin	2	φ10×45
114	A15B12X0120	Skt. set scr.	4	M12×12 (Flat p.)
115	41713726710	Nut	1	
116	A06CB121100	Skt. HD. cap scr.	2	M12×110
117	01713726880	Tailbase	1	
118	J0900000020	Felt	3	φ12×10
119	H3600001S80	Skt. pipe plug	13	PT1/8
120	A16A08X0200	Round HD. cap scr.	6	M8×20

## TAILSTOCK ASS'Y(2/2) (ST-25)

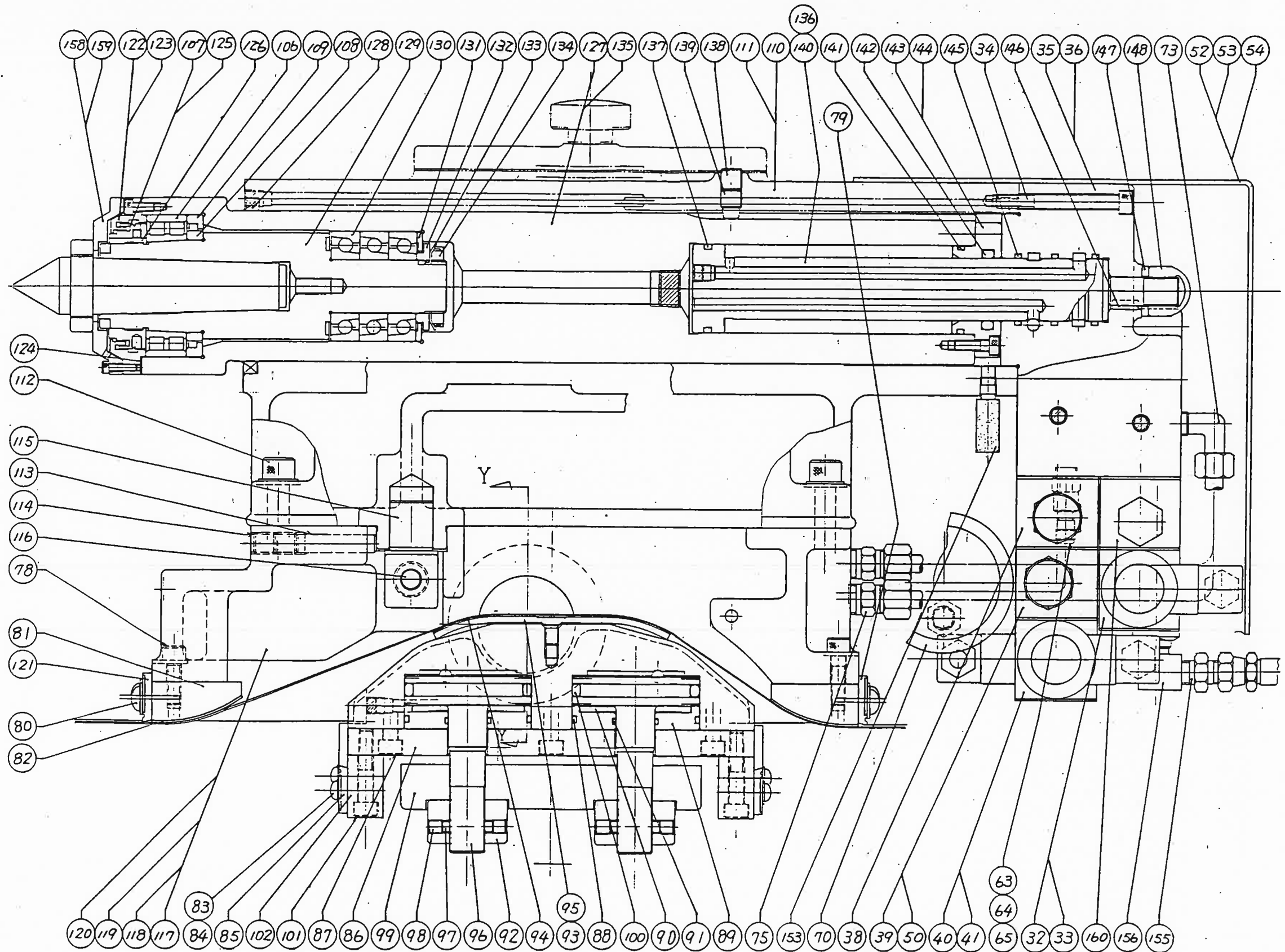
List No. 51713700200

No.	Parts No.	Parts name	Q'ty	Remarks
121	31713724490	Wiper (H)	1	
122	31713726860	Bearing retainer	1	
123	A06CB050120	Skt. HD. cap scr.	6	M5×12
124	41713726850	Packing	1	
125	A15B05X0060	Skt. set scr.	1	M5×6 (Flat p.)
126	41603712190	Clamp piece	1	
127	11713726730	Sleeve	1	
128	J04SH000050	Dust scraper	1	SCB85 (SAKAGAMI)
129	21713726740	Tail spindle	1	
130	F02NP000860	Angular ball bearing	3	7206BDTP5
131	41613714480	Spacer	1	
132	41613714490	Spacer	1	
133	A34000AW060	Bearing LK. washer	1	AW-06
134	A33000AN060	Bearing LK. nut	1	AN-06
135	H3600001S20	Skt. pipe plug	1	PT1/2
136	H3600001S80	Skt. pipe plug	1	P44
137	J2600P04400	O-ring	1	P44
138	A15B12X0120	Skt. set scr.	1	M12×12 (Flat p.)
139	A15A12X0160	Skt. set scr.	1	M12×16 (Dog p.)
140	51713726750	Piston	1	
141	J2600G04500	O-ring	1	G45
142	J04SH000680	Packing	1	SKY35 (SAKAGAMI)
143	31713726760	Bracket	1	
144	A06CB060200	Skt. HD. cap scr.	6	M6×20
145	J2600G03500	O-ring	3	G35
146	A1405050150	Key	1	5×5×15
147	A43JJ00M160	Spring washer	1	M16
148	A2400000020	Domed cap nut	1	3 type, Class 1 M16
149	31713726890	Bracket	1	
150	A06CB080140	Skt. HD. cap scr.	2	M8×14
151	A41JJ00M080	Washer	2	M8
152	A15B12X0140	Skt. set scr.	1	M2×14 (Flat p.)
153	G51SV000520	BC element	1	1/8'(SHOUKETSU)
154	R25YB000740	Micro switch	1	SL1-AK (YAMATAKE)
155	H28TQ120040	Adaptor	1	12-0404 (TOKAI)
156	41713728320	Adaptor	1	
157	H23NN000920	Nipple	1	NS-PT3/8 (NTN)
158	31713728230	Cover	1	
159	A06CB040160	Skt. HD. cap scr.	2	M4×16
160	G14FH000170	Pilot check valve	1	OCP-G01-B1-00 (NACHI)



	MACHINE MODEL: SLANT TURN-30 ATC	ASSEMBLY NAME : TAIL STOCK ASS'Y	Page 8-6
	SPECIFICATION APPLY :	DRAWING NO : 017337A0040	





**Mazak**

MACHINE MODEL: SLANT TURN-30 ATC  
 SPECIFICATION APPLY :

ASSEMBLY NAME : TAIL STOCK ASS'Y  
 DRAWING NO : 017337A0040

## TAILSTOCK ASS'Y (1/2) (ST-30)

List No. 51733700100

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
1	41713726840	Supporter	1	
2	A06CB060200	Skt. HD. cap scr.	2	M6×20
3	A15B06X0060	Skt. set scr.Flat.p.	1	M6×6
4	A12003X0160	Spring pin	1	φ3×16
5	J020G121830	Seal	1	G2×18×3 (NTN)
6	41713728220	Dog	1	
7	41503707360	Dog	1	
8	A15B05X0060	Skt. set scr.Flat.p.	1	M5×6
9	A06CB040250	Skt. HD. cap scr.	4	M4×25
10	A43JJ00M040	Spring washer	4	M4
11	A41JJ00M040	Washer	4	M4
12	R25YB001110	Micro switch	1	SL1-EK (YAMATAKE)
13	41603712830	Nut	1	
14	41713724911	Bracket	1	
15	A06CB080160	Skt. HD. cap scr.	4	M8×16
16	A43JJ00M080	Spring washer	4	M8
17	A41JJ00M080	Washer	4	H8
18	41713724921	Bracket	1	
19	J2600P00800	O-ring	1	P8
20	J2600P02200	O-ring	1	P22
21	J2600P01100	O-ring	1	P11
22	41773719640	Cap	1	
23	A06CB060120	Skt. HD. cap scr.	4	M6×12
24	H3600001S80	Skt. pipe plug	3	PT1/8
25	J2600P00800	O-ring	2	P8
26	J2600P02000	O-ring	1	P20
27	J2600P01500	O-ring	1	P15
28	41573708761	Pin	1	
29	J24NV000510	Dust seal	1	DKI15×25×5×7 (NOK)
30	31773719262	Housing	1	
31	A06CB080300	Skt. HD. cap scr.	3	M8×30
32	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
33	A06CB050850	Skt. HD. cap scr.	4	M5×85
34	A06CB080700	Skt. HD. cap scr.	4	M8×70
35	11713726870	Bracket	1	
36	H3600001S80	Skt. pipe plug	10	PT1/8
37	G14FH000130	Check valve	1	CN-T03-1-10 (NACHI)
38	G17FH001020	Flow regulator	1	OCY-G01-A-Y-K-662 (NACHI)
39	G11FH000940	Reducing valve	1	OG-G01-B1-K-5708 (NACHI)
40	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11 (NACHI)

## TAILSTOCK ASS'Y (1/2) (ST-30)

List No. 51733700100

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
41	A06CB051250	Skt. HD. cap scr.	4	M5×125
42	41553707810	Hinge	1	
43	A16B04X0080	Flat HD. cap scr.	4	M4×8
44	31553707820	Packing	1	
45	31553707800	Cap	1	
46	41154702940	Cam	1	
47	A11003X0200	Taper pin	2	φ3×20
48	41553707830	Shaft	1	
49	41154702950	Grip	1	
50	H23NN000250	Nipple	1	PAPT1/4 (NTN)
51	H12LAM60210	Adapter	1	M6021 (LUBE)
52	11713726900	Cover	1	
53	A06CB080160	Skt. HD. cap scr.	3	M8×14
54	A41JJ00M080	Washer	3	M8
55	41773720130	Dog	1	
56	A16A08X0160	Round HD. cap scr.	2	M8×16
57	31733728270	Wiper	1	
58	A16A08X0160	Round HD. cap scr.	6	M8×16
59	41111500590	Bolt	2	
60	31733728280	Gib	1	
61	41713724460	Wiper	2	
62				
63	H12LA000070	Sealing washer	2	MT-7612 (LUBE)
64	H12LA000040	Valve	2	MT-5020 (LUBE)
65	H12LAM62510	Nut	2	M6251 (LUBE)
66	H12LAM62540	Sleeve	4	M6254 (LUBE)
67		Copper pipe	1	φ4×1000
68				
69		Stainless pipe	1	φ10×1200
70	31713726910	Thrust gauge	1	
71	H23NN000380	Nipple	1	PZA6PT1/4 (NTN)
72		Stainless pipe	1	φ6×400
73	H23NN000030	Elbow	4	PB10PT1/4 (NTN)
74	H28TQ130040	Adapter	1	13-0404 (TOKAI)
75	H23NN000020	Nipple	2	PA10 PT3/8 (NTN)
76	H12LAM62520	Bushing	2	M6252 (LUBE)
77	H12LAM60010	Adapter	1	M6001 (LUBE)
78	A06CB080250	Skt. HD. cap scr.	4	M8×25
79	31713824480	Wiper (TL)	1	
80	A16A08X0200	Round HD. cap scr.	12	M8×20

## TAILSTOCK ASS'Y (2/2) (ST-30)

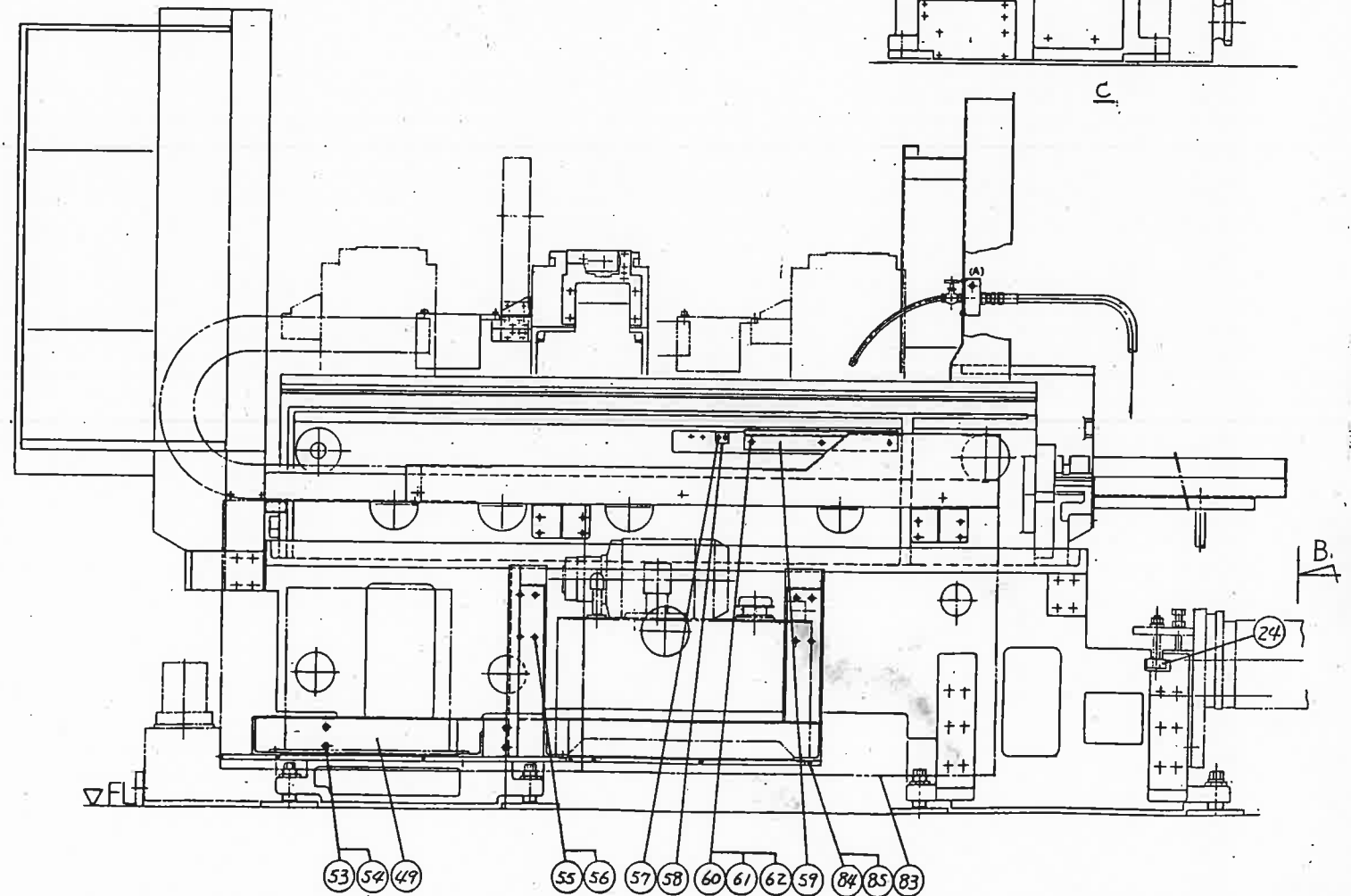
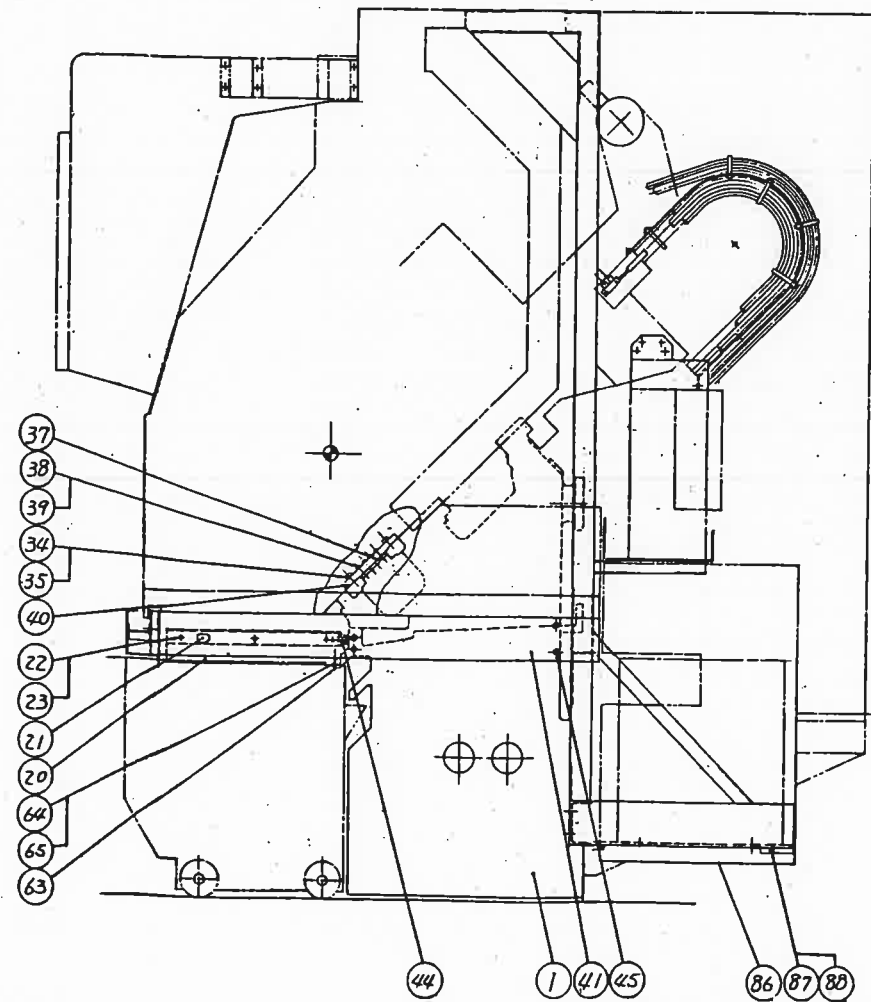
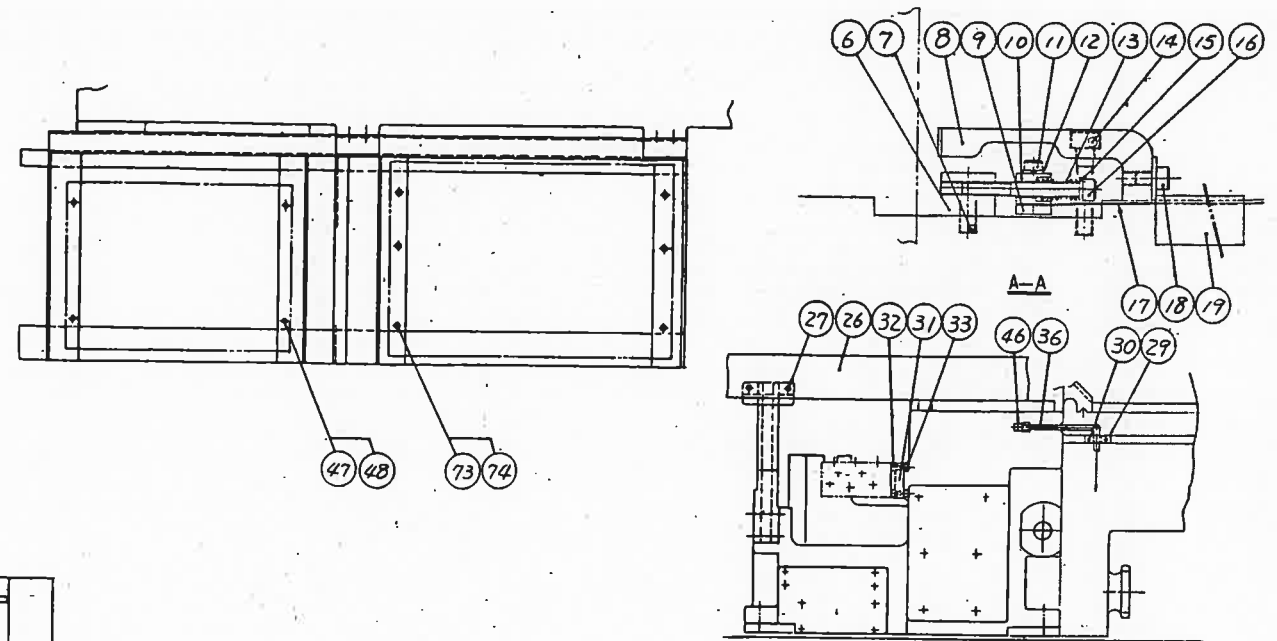
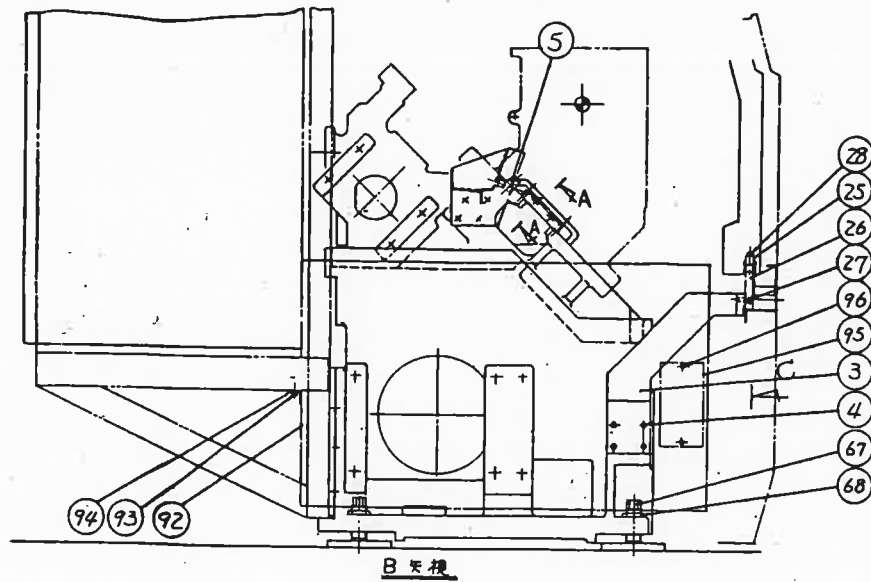
List No. 51733700100

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
81	41713724520	Supporter	2	
82	41713724510	Liner	2	Nitofulon tape N0901F (MITSUBOSHI)
83	A16A06X0140	Round HD. cap scr.	2	M6×14
84	A16A06X0100	Round HD. cap scr.	2	M6×10
85	41713724440	Wiper	1	
86	31733728300	Plate	1	
87	A06CB080200	Skt. HD. cap scr.	12	M8×20
88	J2600G06500	O-ring	2	G65
89	41713726780	Cap	2	
90	A49VX000710	Cond.disc.spring	2	A-630 63×31×3.5 (TOKUHATSU)
91	J2600P02200	O-ring	2	P-22
92	41713724360	Nut	2	
93	41733728250	Supporter	1	
94	41733728260	Liner	1	Nitofulon tape N0901F
95	A16B08X0160	Flat.hd.cap.scr.	2	M8×16
96	31713726770	Piston	2	
97	41541514600	Show	8	
98	A15B08X0080	Skt. set scr.Flat.p.	8	M8×8
99	31733728290	Bracket	1	
100	J2600P06200	O-ring	2	P-62
101	A06CB080400	Skt. HD. cap scr.	4	M8×40
102	41713726800	Stopper	2	
103	41713724430	Wiper	1	
104	A16A06X0140	Round HD. cap scr.	2	M6×14
105	A16A06X0100	Round HD. cap scr.	2	M6×10
106	F04NP000040	Roller bearing	1	NN3010KCC9P4 (NSK)
107	41603712200	Nut	1	
108	41143701381	Collar	1	
109	41143701390	Spacer(1)	1	
110	01713726920	Tail stock	1	
111	H3600001S80	Skt. pipe plug	4	PT1/8
112	A06CB120400	Skt. HD. cap scr.	6	M12×40
113	A10010X0450	Straight.pin	2	φ10×45
114	A15B12X0120	Skt. set scr.Flat.p.	4	M12×12
115	41713726710	Nut	1	
116	A06CB121100	Skt. HD. cap scr.	2	M2×110
117	01733728312	Tail base	1	
118	J0900000020	Felt	3	φ12×10
119	H3600001S80	Skt. pipe plug	11	PT1/8
120	A16A08X0200	Round HD. cap scr.	6	M8×20

## TAILSTOCK ASS'Y (2/2) (ST-30)

List No. 51733700100

Ref.No.	Parts No.	Parts Name	Qt'y	Remarks
121	31713724490	Wiper(H)	1	
122	31713726860	Brg. retainer	1	
123	A06CB050120	Skt. HD. cap scr.	6	M5×12
124	41713726850	Packing	1	
125	A15B05X0060	Skt. set scr.Flat.p.	1	M5×6
126	41603712190	Clamp piece	1	
127	11713726730	Sleeve	1	
128	J04SH000050	Dust scraper	1	SCB85 (SAKAGAMI)
129	21713726740	Tail spindle	1	
130	F02NP000860	Angular.brg.	1	7206B-DTDP5
131	41613714480	Spacer	1	
132	41613714490	Spacer	1	
133	A34000AW060	Bearing LK. washer	1	AW-06
134	A33000AN060	Bearing LK. nut	1	AN-06
135	H3600001S20	Skt. pipe plug	1	PT1/2
136	H3600001S80	Skt. pipe plug	1	PT1/8
137	J2600P04400	O-ring	1	P44
138	A15B12X0120	Skt. set scr.Flat.p.	1	M12×12
139	A15A12X0160	Skt. set scr.Dog.p.	1	M12×16
140	31713726750	Piston	1	
141	J2600G04500	O-ring	1	G45
142	J04SH000680	Packing	1	SKY-35 (SAKAGAMI)
143	31713726760	Bracket	1	
144	A06CB060200	Skt. HD. cap scr.	6	M6×20
145	J2600G03500	O-ring	3	G35
146	A1405050150	Key	1	5×5×15
147	A43JJ00M160	Spring LK. washer	1	M16
148	A2400000020	Domed.cap nut	1	3type1 M16
149	31713726890	Bracket	1	
150	A06CB080140	Skt. HD. cap scr.	2	M8×14
151	A41JJ00M080	Washer	2	M8
152	A15B12X0140	Skt. set scr.Flat.p.	1	M12×14
153	G51SV000520	B.C.element	1	1/8 (SHOUKETSU)
154	R25YB000740	Micro switch	1	SL1-AK (YAMATAKE)
155	H28TQ120040	Adapter	1	12-0404 (TOKAI)
156	41733728320	Adapter	1	
157	H23NN000920	Nipple	1	NS-PT-3/8 (NTN)
158	31713728230	Cover	1	
159	A06CB040160	Skt. HD. cap scr.	2	M4×16
160	G14FH000170	Pilot check valve	1	OCP-G01-B1-11(NACHI)



**Mazak**

SPECIFICATION APPLY : (1000 CU, EX.)

ASSEMBLY NAME : BED ASS'Y

DRAWING NO : 017140A0030

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## BED ASS'Y (1000CU, EX.)

List No. 51714000600

No.	Parts No.	Parts name	Q'ty	Remarks
1	01714012096	Bed	1	
2				
3	21714012131	Bracket	1	
4	A06CB080650	Skt. HD. cap scr.	4	M8×65
5	41144206900	Knock pin	1	
6	41553707230	Block (B)	1	
7	A06CB080200	Skt. HD. cap scr.	2	M8×20
8	31714012080	Cover	1	
9	41553707210	Nut	1	
10	41553707220	Block (A)	1	
11	A06CB050200	Skt. HD. cap scr.	4	M5×20
12	A43JJ00M050	Spring LK. washer	4	M5
13	41144700900	Spring	2	
14	A06CB080350	Skt. HD. cap scr.	2	M8×40
15	A41JJ00M060	Washer	2	M6
16	A06CB060550	Skt. HD. cap scr.	2	M6×55
17	41714014130	Cover	1	
18	A06CB060100	Skt. HD. cap scr.	3	M6×10
19	31714012471	Cover	1	
20	41714013360	Cover	1	
21	41714013370	Packing	1	
22	A16A06X0080	Round HD. cap scr.	3	M6×8
23	A41JJ00M060	Washer	3	M6
24	41714013270	Nut	2	
25				
26	21714013492	Rail	1	
27	A06CB080250	Skt. HD. cap scr.	4	M8×25
28	A06CB080350	Skt. HD. cap scr.	1	M8×35
29	41714013470	Plate	1	
30	A16A08X0140	Round HD. cap scr.	2	M8×14
31	31714013460	Bracket	1	
32	A06CB080300	Skt. HD. cap scr.	4	M8×30
33	A06CB080450	Skt. HD. cap scr.	2	M8×45
34	A06CB080250	Skt. HD. cap scr.	2	M8×25
35	A43JJ00M080	Spring LK. washer	2	M8
36		Nylon tube	1	φ8×1000
37	41714012141	Plate	1	
38	A06CB050200	Skt. HD. cap scr.	3	M5×20
39	A43JJ00M050	Spring LK. washer	3	M5
40	31714012151	Block	1	

## BED ASS'Y (1000CU, EX.)

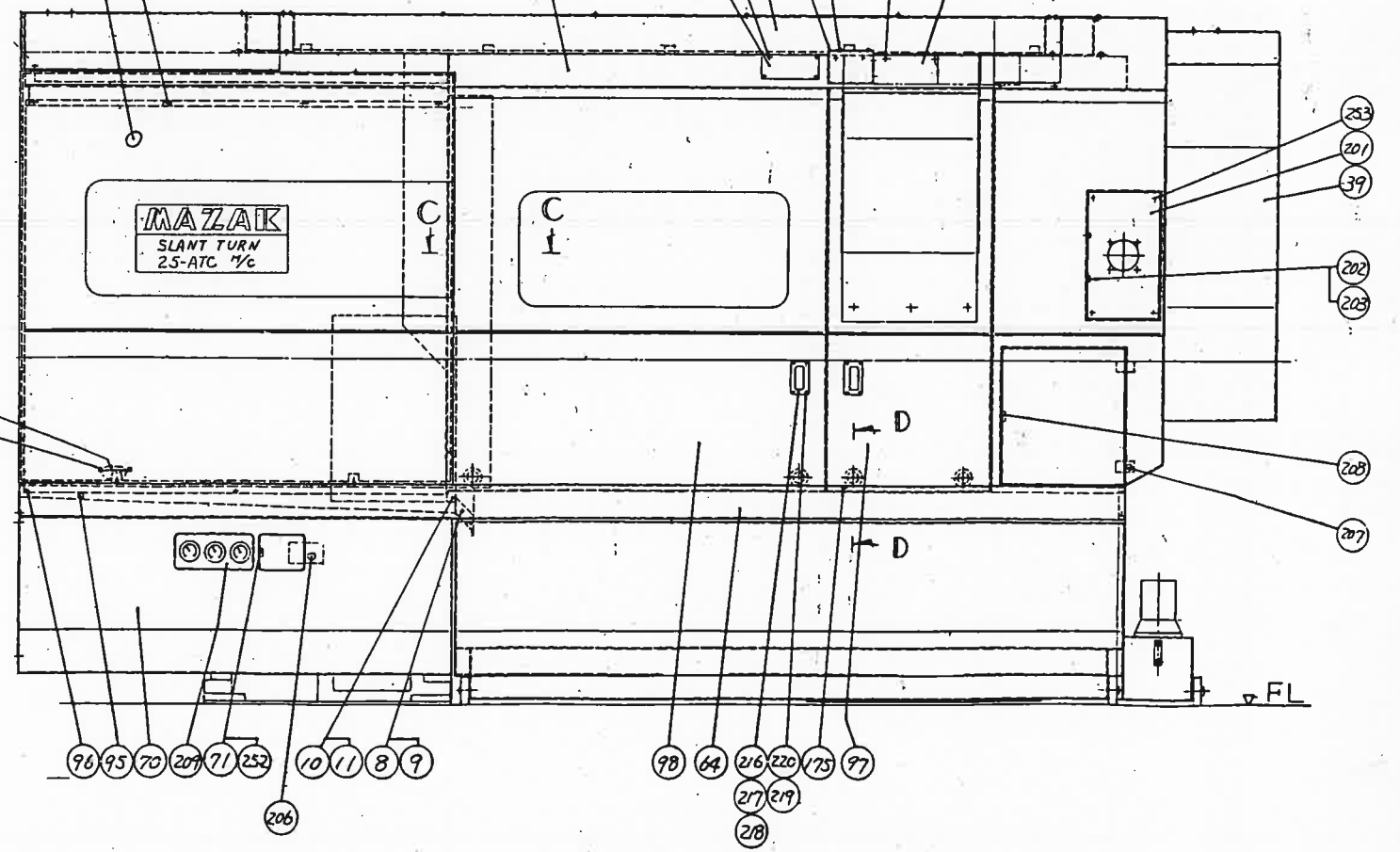
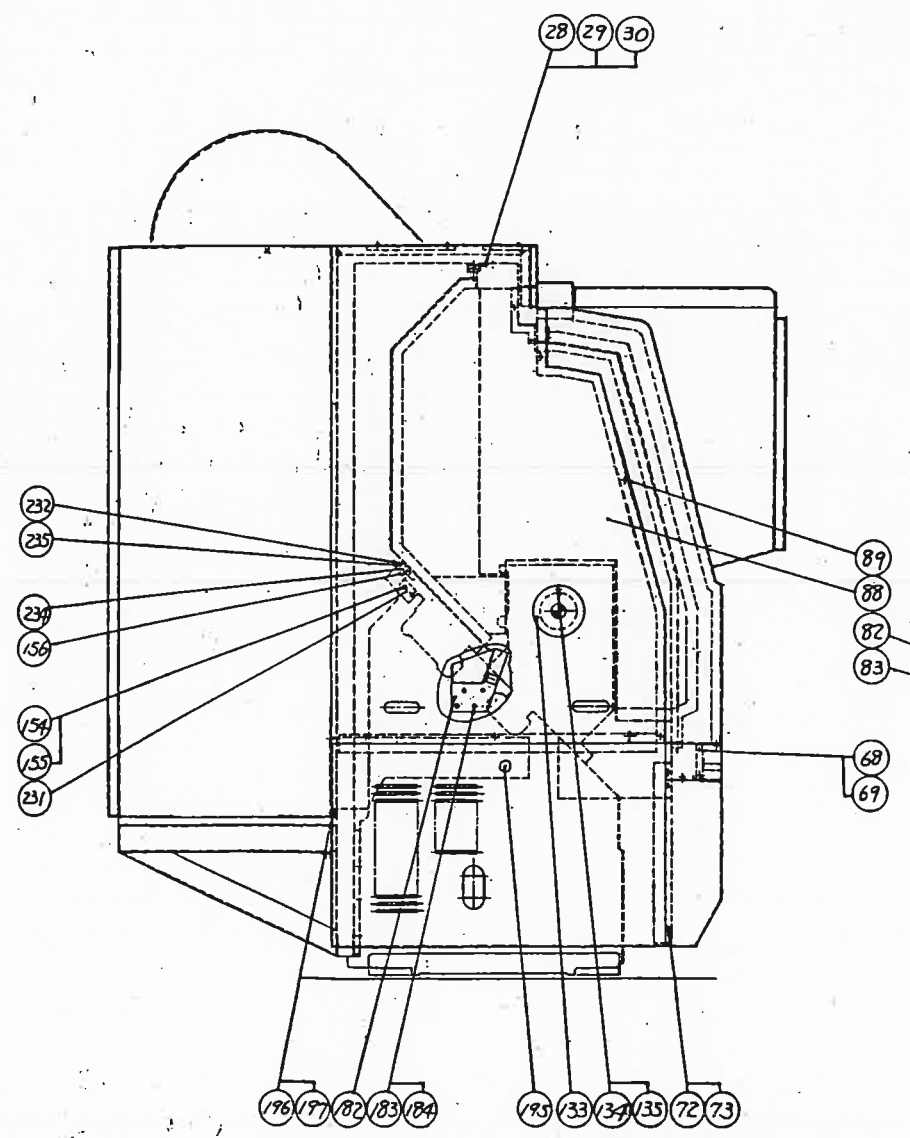
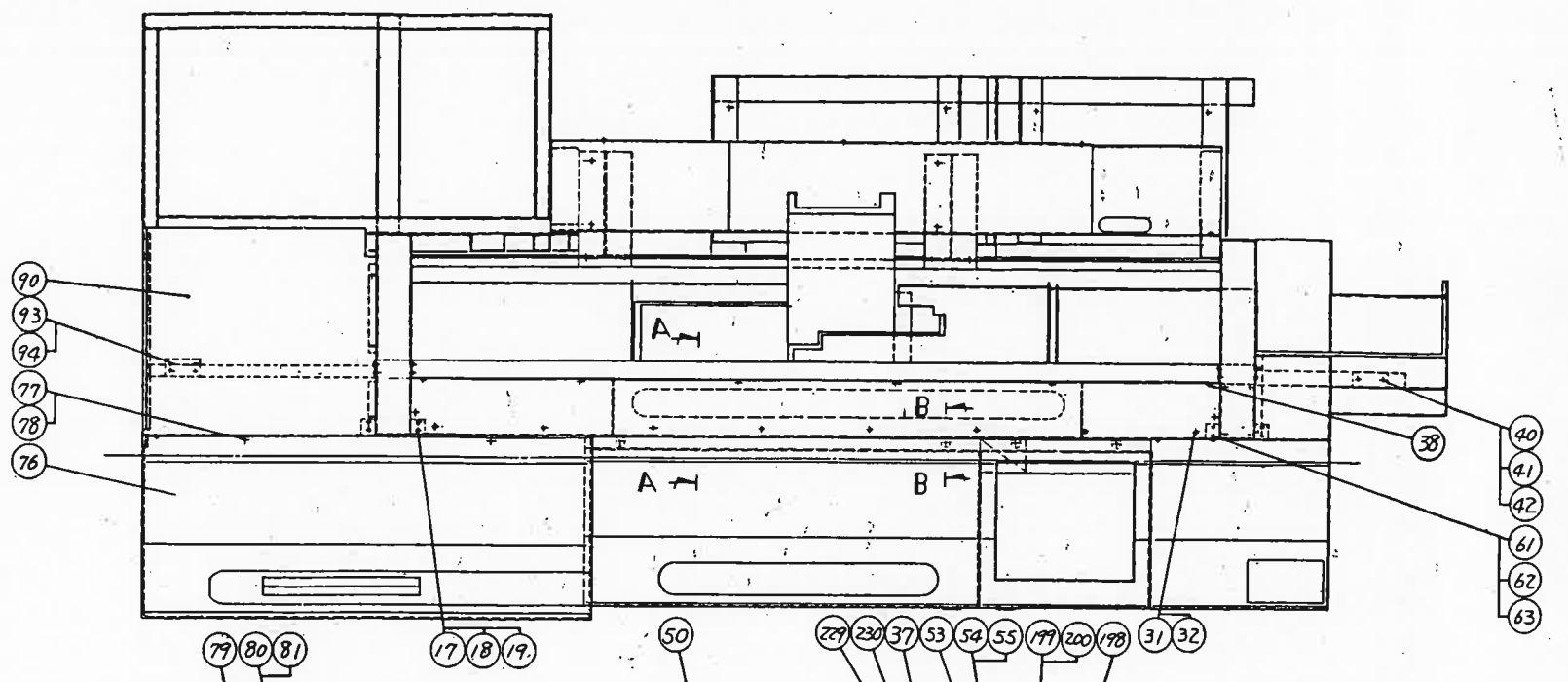
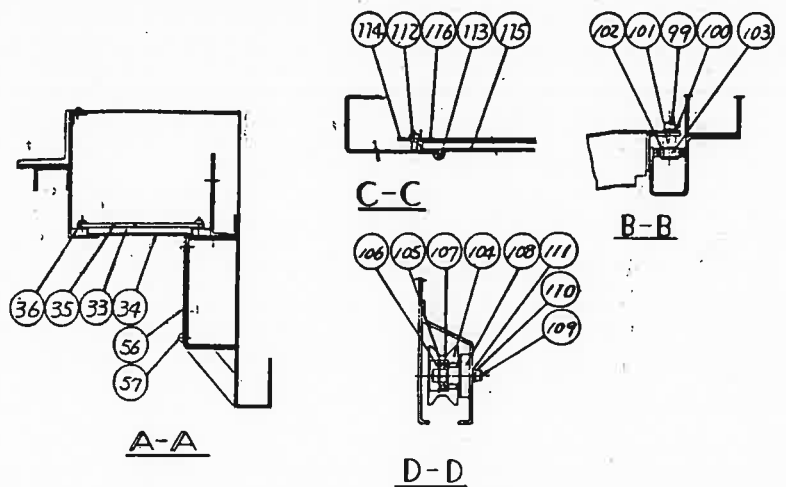
List No. 51714000600

No.	Parts No.	Parts name	Q'ty	Remarks
41	31714013480	Supporter	1	
42				
43				
44	H14SV000980	Half union	1	H08-03 (SHOUKETSU)
45	A06CB080250	Skt. HD. cap scr.	4	M8×25
46	H14SV001080	Elbow union	1	DL08-03 (SHOUKETSU)
47				
48				
49				
50	A06CB120250	Skt. HD. cap scr.	4	M12×25
51	A43JJ00M120	Spring LK. washer	4	M12
52	11714013321	Bracket	1	
53	A06CB120250	Skt. HD. cap scr.	4	M12×25
54	A43JJ00M120	Spring LK. washer	4	M12
55	A06CB080160	Skt. HD. cap scr.	8	M8×16
56	A43JJ00M080	Spring LK. washer	8	M8
57	A06CB080200	Skt. HD. cap scr.	2	M8×20
58	41714012831	Dog	1	
59	31714013390	Dog	1	
60	A06CB080160	Skt. HD. cap scr.	3	M8×16
61	A41JJ00M080	Washer	3	M8
62	A43JJ00M080	Spring LK. washer	3	M8
63	31714013500	Plate	1	
64	A16A08X0140	Round HD. cap scr.	5	M8×14
65	A41JJ00M080	Washer	5	M8
66				
67	30050650460	Adjusting bolt	8	
68	30050650470	Hex. nut	8	
69	A06CB060140	Skt. HD. cap scr.	5	M6×14
70				
71				
72				
73	A06CB120250	Skt. HD. cap scr.	6	M12×25
74	A43JJ00M120	Spring LK. washer	6	M12
75				
76				
77				
78				
79				
80				

## BED ASS'Y (1000CU, EX.)

List No. 51714000600

No.	Parts No.	Parts name	Q'ty	Remarks
81	41714013520	Bracket	1	
82	A06CB060100	Skt. HD. cap scr.	2	M6×10
83	11714013563	Cover	1	
84	A16A06X0100	Round HD. cap scr.	8	M6×10
85	A41JJ00M060	Washer	4	M6
86	11714013572	Cover	1	
87	A16A06X0100	Round HD. cap scr.	8	M6×10
88	A41JJ00M060	Washer	5	M6
89				
90	A16A06X0100	Round HD. cap scr.	4	M6×10
91	A41JJ00M060	Washer	2	M6
92	21714847432	Cover	1	
93	A06CB060080	Skt. HD. cap scr.	2	M6×8
94	A41JJ00M060	Washer	2	M6
95	41714853150	Plate	1	
96	A06CB060100	Skt. HD. cap scr.	2	M6×10



**Mazak**

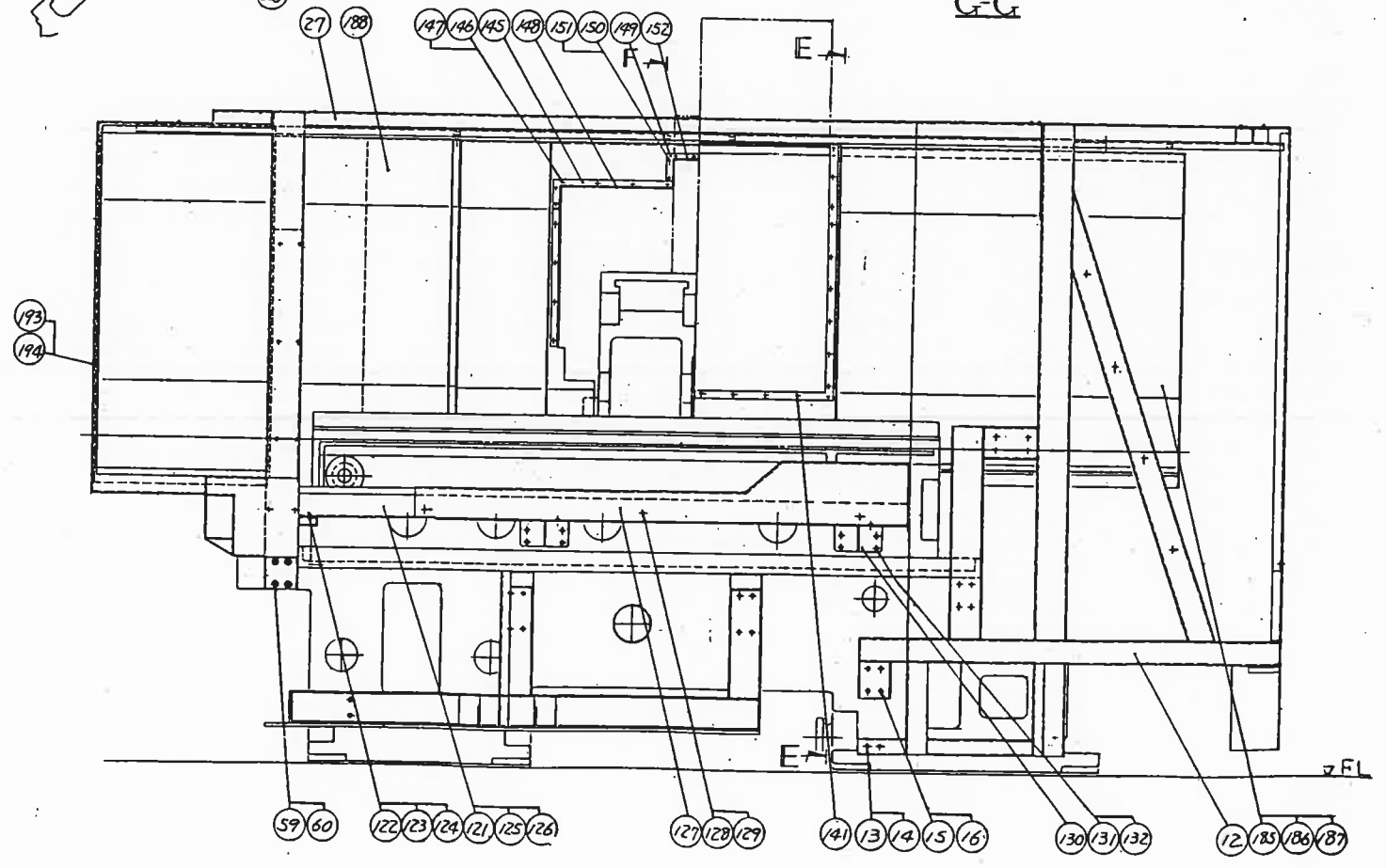
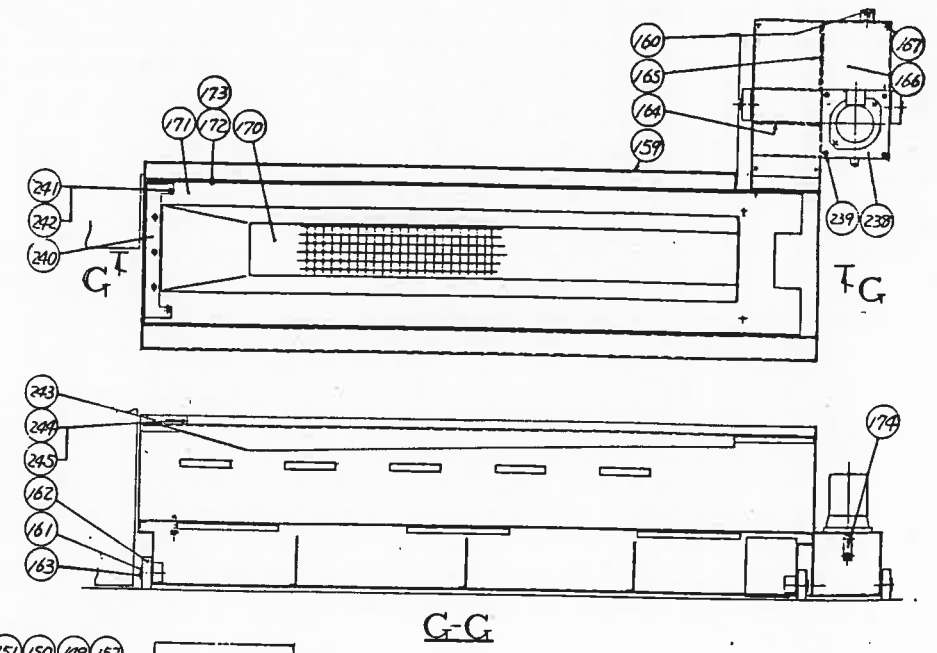
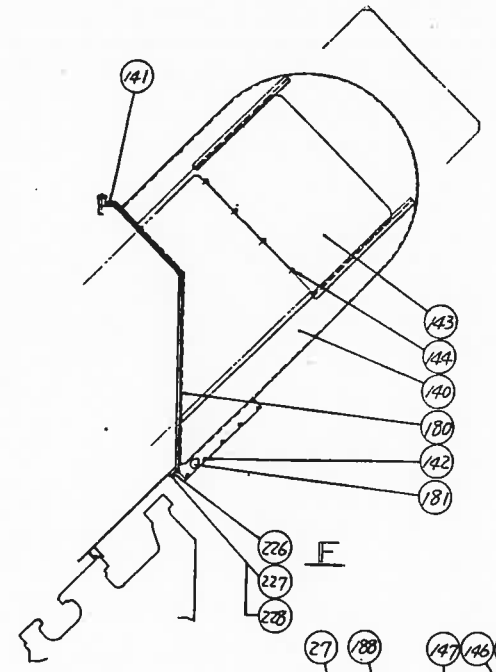
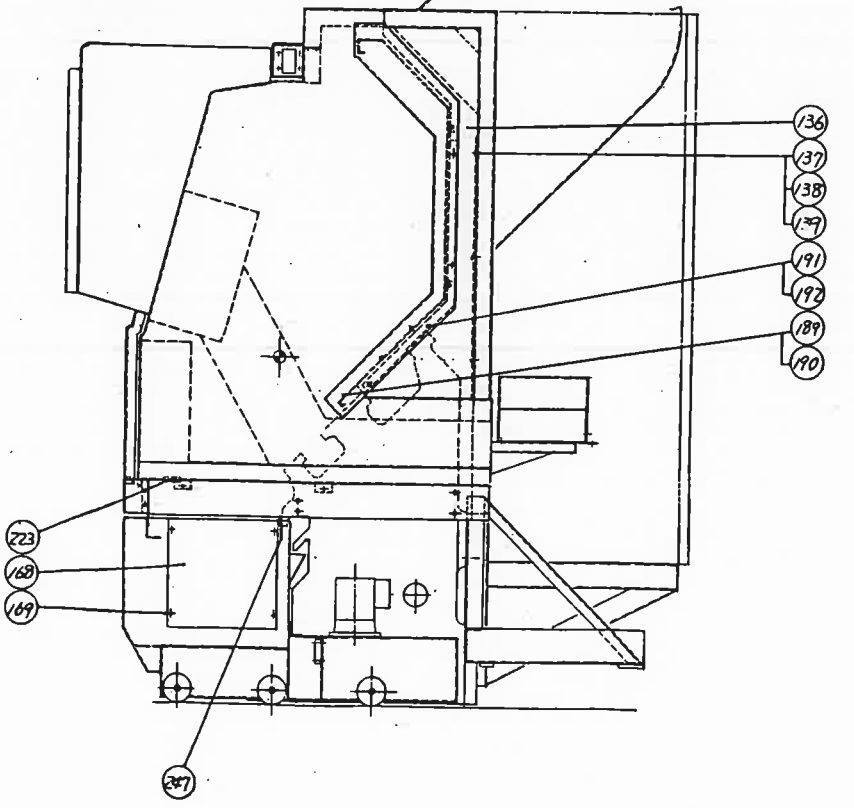
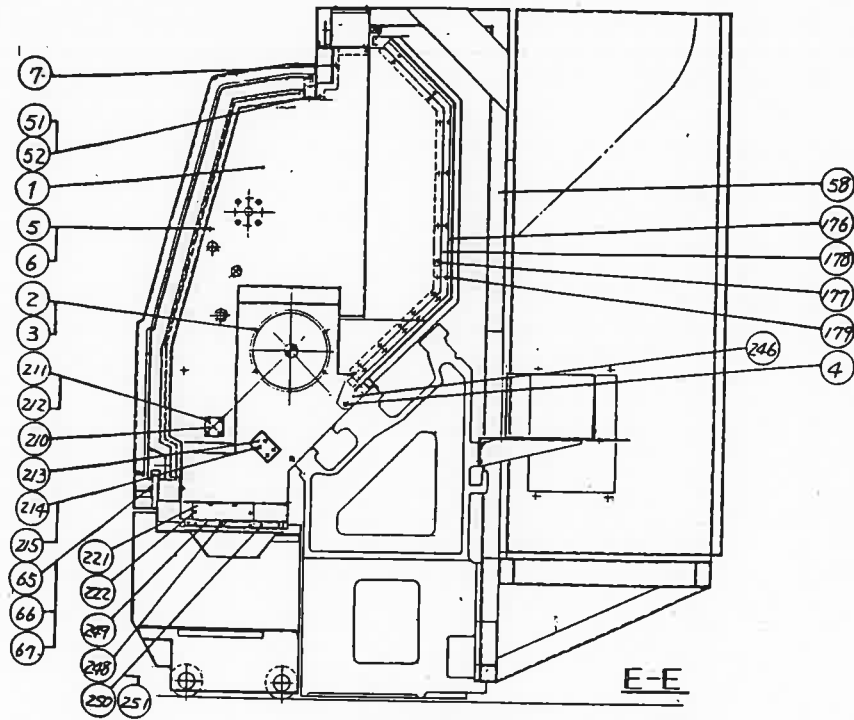
SPECIFICATION APPLY : (1000, STD.)

ASSEMBLY NAME : COVER ASS'Y

DRAWING NO : 017147A0110

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<b>Mazak</b>	SPECIFICATION : (1000, STD.) APPLY	ASSEMBLY NAME : COVER ASS'Y	Page
		DRAWING NO : 017147A0120	10-2



## COVER ASS'Y (DISTANCE BETWEEN CENTERS 1000, STD.)

List No. 51714700600

No.	Parts No.	Parts name	Q'ty	Remarks
1	01714843064	Cover	1	
2	A06CB080150	Skt. HD. cap scr.	5	M8×15
3	A41JJ00M080	Washer	5	M8
4	A06CB080150	Skt. HD. cap scr.	2	M8×15
5	A06CB060080	Skt. HD. cap scr.	3	M6×8
6	A41JJ00M060	Washer	12	M6
7	A06CB060140	Skt. HD. cap scr.	3	M6×14
8	A06CB080150	Skt. HD. cap scr.	2	M8×15
9	A43JJ00M080	Spring LK. washer	2	M8
10	A06CB060080	Skt. HD. cap scr.	1	M6×8
11	A41JJ00M060	Washer	1	M6
12	01714843074	Bracket	1	
13	A06CB080150	Skt. HD. cap scr.	8	M8×15
14	A41JJ00M080	Washer	8	M8
15	A06CB080150	Skt. HD. cap scr.	8	M8×15
16	A43JJ00M080	Spring LK. washer	8	M8
17	A06CB060120	Skt. HD. cap scr.	4	M6×12
18	A41JJ00M060	Washer	4	M6
19	A43JJ00M060	Spring LK. washer	4	M6
20				
21				
22				
23				
24				
25				
26				
27	01714843082	Cover	1	
28	A06CB060100	Skt. HD. cap scr.	8	M6×10
29	A41JJ00M060	Washer	8	M6
30	A43JJ00M060	Spring LK. washer	8	M6
31	A06CB060080	Skt. HD. cap scr.	8	M6×8
32	A41JJ00M060	Washer	8	M6
33	41714843340	Plate	1	
34	41714843381	Packing	1	
35	31714843240	Plate	1	
36	A16A05X0140	Round HD. cap scr.	14	M5×14
37	21714843210	Cover	1	
38	A16A04X0060	Round HD. cap scr.	8	M4×6
39	01714843092	Cover	1	
40	A06CB060100	Skt. HD. cap scr.	8	M6×10

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## COVER ASS'Y (DISTANCE BETWEEN CENTERS 1000, STD.)

List No. 51714700600

No.	Parts No.	Parts name	Q'ty	Remarks
41	A41JJ00M060	Washer	8	M6
42	A43JJ00M060	Spring LK. washer	8	M6
43				
44				
45				
46				
47				
48				
49				
50	11714843192	Duct	1	
51	A16A06X0080	Round HD. cap scr.	2	M6×8
52	A41JJ00M060	Washer	2	M6
53	31714843290	Cover	1	
54	A16A06X0080	Round HD. cap scr.	2	M6×8
55	A41JJ00M060	Washer	2	M6
56	31714843281	Plate	2	
57	A16A06X0080	Round HD. cap scr.	12	M6×8
58	11714843101	Bracket	1	
59	A06CB080150	Skt. HD. cap scr.	4	M8×15
60	A43JJ00M080	Spring LK. washer	4	M8
61	A06CB060120	Skt. HD. cap scr.	4	M6×12
62	A41JJ00M060	Washer	4	M6
63	A43JJ00M060	Spring LK. washer	4	M6
64	11714843123	Cover	1	
65	A06CB060150	Skt. HD. cap scr.	5	M6×15
66	A43JJ00M060	Spring LK. washer	5	M6
67	A41JJ00M060	Washer	5	M6
68	A16C06X0100	Decorativ scr.	7	M6×10
69	A41TU0KM060	Washer	7	M6
70	11714843112	Cover	1	
71	Z12TU000230	One touch open catch	1	C-95 (TAKIGEN)
72	A16C06X0100	Decorativ scr.	4	M6×10
73	A41TU0KM060	Washer	4	M6
74				
75				
76	11714843130	Cover	1	
77	A16C06X0150	Decorativ scr.	2	M6×15
78	A41TU0KM060	Washer	2	M6
79	11714843141	Cover	1	
80	A16A06X0080	Round HD. cap scr.	4	M6×8

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## COVER ASS'Y (DISTANCE BETWEEN CENTERS 1000, STD.)

List No. 51714700600

No.	Parts No.	Parts name	Q'ty	Remarks
81	A41JJ00M060	Washer	4	M6
82	41714843320	Plate	1	
83	A06CB060400	Skt. HD. cap scr.	2	M6×40
84				
85				
86				
87				
88	21714843201	Cover	1	
89	A06CB060100	Skt. HD. cap scr.	5	M6×10
90	21714843221	Cover	1	
91				
92				
93	A16A06X0080	Round HD. cap scr.	6	M6×8
94	A41JJ00M060	Washer	6	M6
95	11714843182	Cover	1	
96	A06CB060100	Skt. HD. cap scr.	3	M6×10
97	11714843151	Door (R)	1	
98	11714843171	Door (L)	1	
99	A06CB060160	Skt. HD. cap scr.	4	M6×16
100	A43JJ00M060	Spring LK. washer	4	M6
101	41444784680	Shaft	4	
102	A35000S0120	Retain ring	4	S12
103	E0006001ZZ0	Radial ball bearing	4	6001ZZ (NTN)
104	41574724210	Roller	4	
105	A35000H0280	Retain ring	4	H28
106	A35000S0120	Retain ring	4	S12
107	E0006001ZZ0	Radial ball bearing	4	6001ZZ (NTN)
108	41514706971	Shaft	4	
109	A06CB060120	Radial ball bearing	8	M6×12
110	A43JJ00M060	Spring LK. washer	8	M6
111	A41JJ00M060	Washer	8	M6
112	A16A06X0100	Round HD. cap scr.	34	M6×10
113	41514706950	Seal sash	1	2300
114	31714843300	Plate	1	
115	41714843391	Plate	1	
116	41714843370	Packing	1	
117				
118				
119				
120				

## COVER ASS'Y (DISTANCE BETWEEN CENTERS 1000, STD.)

List No. 51714700600

No.	Parts No.	Parts name	Q'ty	Remarks
121	21714843891	Duct	1	
123	A16A06X0080	Round HD. cap scr.	4	M6×8
123	A41JJ00M060	Washer	4	M6
124	A43JJ00M060	Spring LK. washer	4	M6
125	A06CB060180	Skt. HD. cap scr.	2	M6×18
126	A43JJ00M060	Spring LK. washer	2	M6
127	31714843903	Cover	1	
128	A16A06X0080	Round HD. cap scr.	4	M6×8
129	A43JJ00M060	Spring LK. washer	4	M6
130	31714843911	Bracket	2	
131	A06CB080200	Skt. HD. cap scr.	8	M8×20
132	A43JJ00M080	Spring LK. washer	8	M8
133	41714843960	Plate	1	
134	A16C06X0080	Decorativ scr.	1	M6×8
135	A41TU0KM060	Washer	1	M6
136	21714844050	Bracket	1	
137	A06CB060120	Skt. HD. cap scr.	6	M6×12
138	A41JJ00M060	Washer	6	M6
139	A43JJ00M060	Spring LK. washer	6	M6
140	11714844234	Cover	1	
141	A06CB060080	Skt. HD. cap scr.	20	M6×8
142	A06CB080100	Skt. HD. cap scr.	5	M8×10
143	31714844291	Cover	1	
144	A06CB060120	Skt. HD. cap scr.	4	M6×12
145	31714844251	Supporter	1	
146	A06CB060100	Skt. HD. cap scr.	10	M6×10
147	A41JJ00M060	Washer	10	M6
148	31714844261	Wiper	1	
149	41714844270	Supporter	1	
150	A06CB060100	Skt. HD. cap scr.	4	M6×10
151	A41JJ00M060	Washer	4	M6
152	41714844280	Wiper	1	
153				
154	A06CB080120	Skt. HD. cap scr.	2	M8×12
155	A43JJ00M080	Spring LK. washer	2	M8
156	41714855590	Spacer	1	
157				
158				
159	11714855140	Oil pan	1	
160	H3600001S20	Skt. pipe plug	1	PT1/2

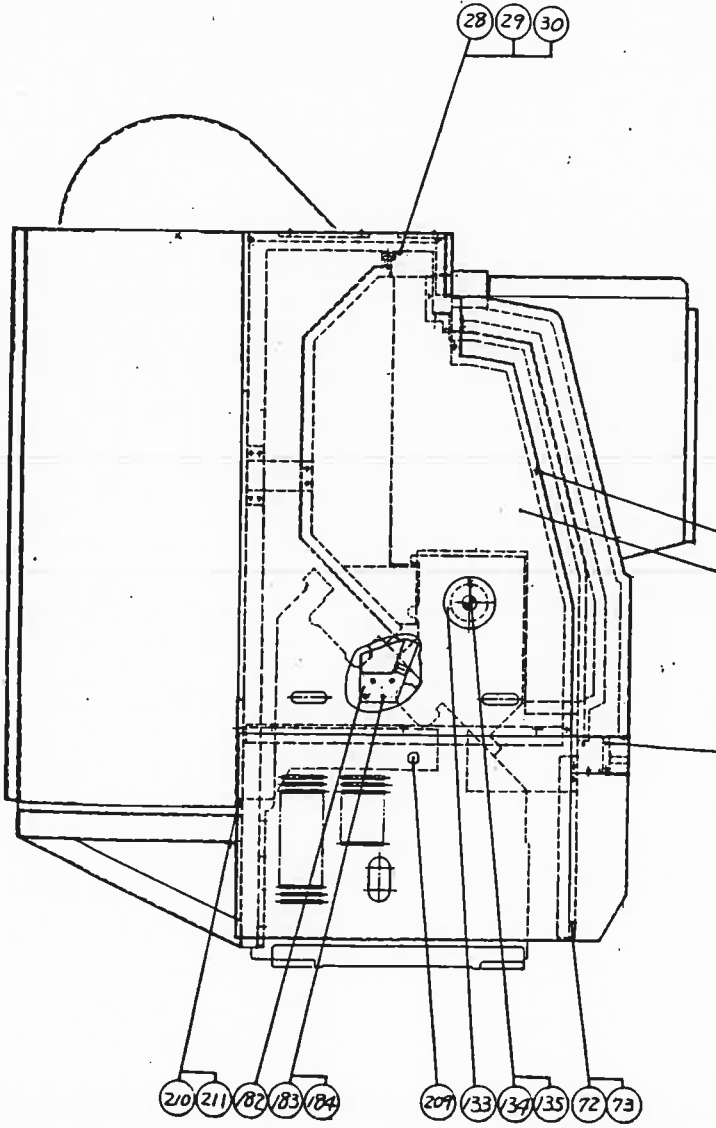
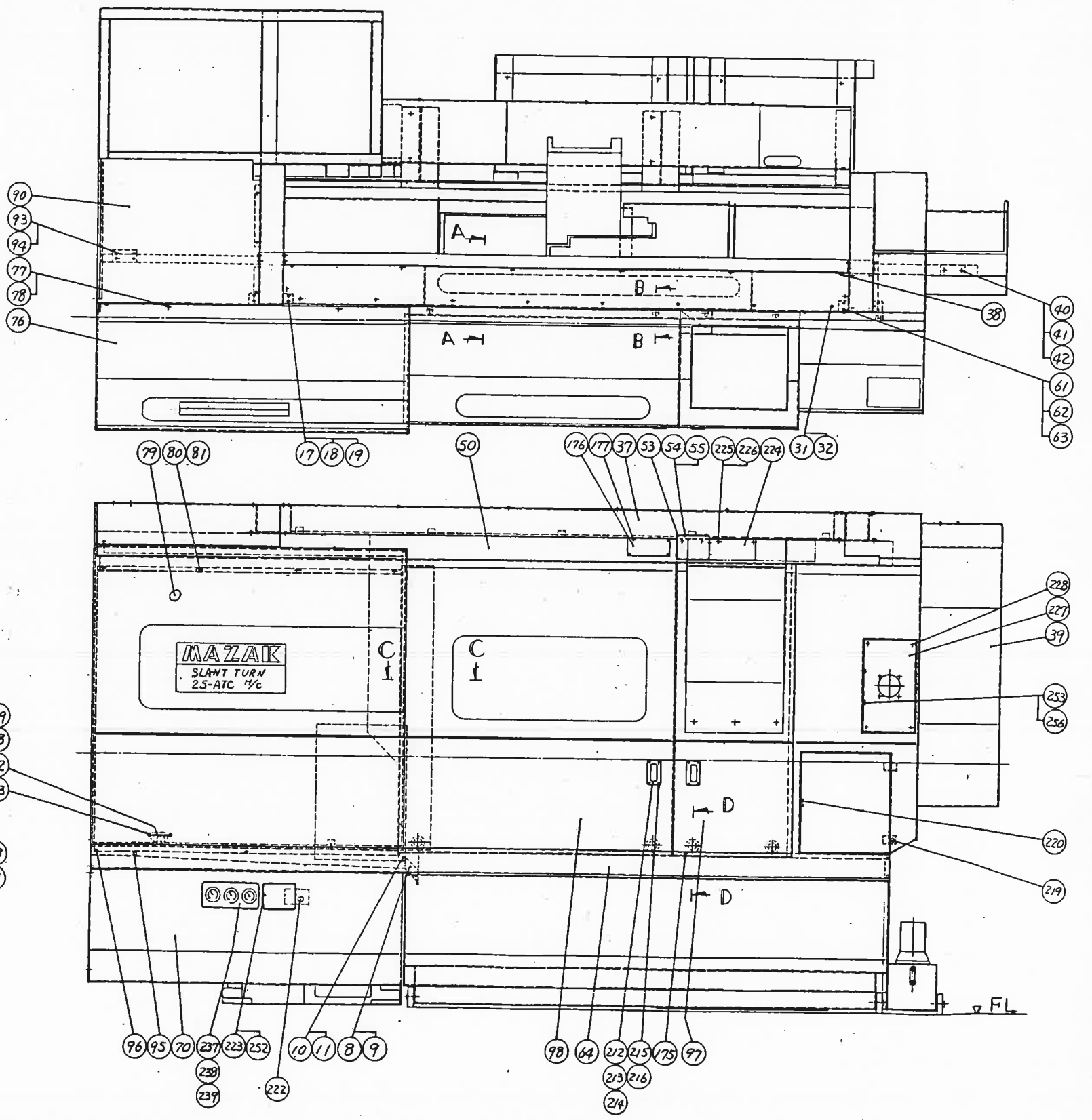
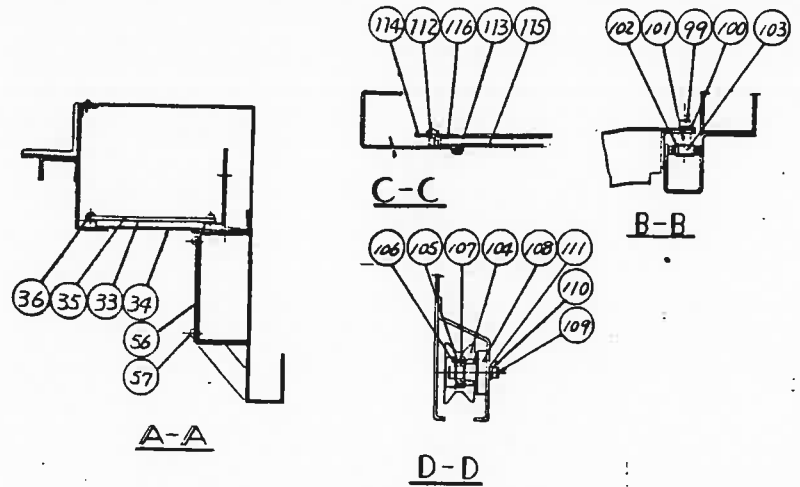
COVER ASS'Y (DISTANCE BETWEEN CENTERS 1000, STD.)				List No. 51714700600
No.	Parts No.	Parts name	Q'ty	Remarks
161	41559200371	Shaft	6	
162	41559200360	Roller	6	
163	A38000E0150	Retain ring (E type)	6	E 15
164	41714855160	Filter	1	
165	41714855170	Filter	1	
166	41714855180	Cover	1	
167	A06CB060100	Skt. HD. cap scr.	5	M6×10
168	41714844330	Cover	1	
169	A06CB060080	Skt. HD. cap scr.	4	M6×8
170	31714844320	Plate	1	
171	31714844311	Seal cover	1	
172	A06CB060100	Skt. HD. cap scr.	2	M6×10
173	A41JJ00M060	Washer	2	M6
174	G29KH000330	Oil gauge	1	AP-1-73(KOHO)
175	Z16JF000320	Grip	1	KS-25×25 (IMAO)
176	31714844501	Wiper	1	
177	21714844491	Plate	1	
178	11714844481	Plate	1	
179	A06CB060100	Skt. HD. cap scr.	24	M6×10
180	31734851820	Packing	1	
181	41714844940	Packing	1	
182	21714847310	Oil pan	1	
183	A06CB080160	Skt. HD. cap scr.	4	M8×16
184	A41JJ00M080	Washer	4	M8
185	11714844910	Protector	1	H side 1000
186	A06CB080160	Skt. HD. cap scr.	5	M8×16
187	A41JJ00M080	Washer	5	M8
188	11714844900	Protector	1	TL side 1000
189	A06CB080250	Skt. HD. cap scr.	3	M8×25
190	A41JJ00M080	Washer	3	M8
191	A06CB080140	Skt. HD. cap scr.	4	M8×14
192	A43JJ00M080	Spring LK. washer	4	M8
193	A06CB080120	Skt. HD. cap scr.	2	M8×12
194	A43JJ00M080	Spring LK. washer	2	M8
195	21714850870	Duct	1	
196	A16A06X0100	Round HD. cap scr.	12	M6×10
197	A41JJ00M060	Washer	12	M6
198	31714847000	Bracket	1	
199	A06CB060100	Skt. HD. cap scr.	5	M6×10
200	A41JJ00M060	Washer	5	M6

COVER ASS'Y (DISTANCE BETWEEN CENTERS 1000, STD.)				List No. 51714700600
No.	Parts No.	Parts name	Q'ty	Remarks
201	21714850680	Cover	1	
202	A06CB040100	Skt. HD. cap scr.	6	M4×10
203	A41JJ00M040	Washer	6	M4
204				
205				
206	Z11TU001260	Hinge	1	B-562 (U type) (TAKIGEN)
207	Z11TU001270	Hinge	2	B-508-14 (TAKIGEN)
208	Z12TU000010	Magnet catch	1	C-54-1 (TAKIGEN)
209	31710137220	Bracket	1	
210	41714851490	Plate	1	
211	A06CB060100	Skt. HD. cap scr.	4	M6×10
212	A41JJ00M060	Washer	4	M8
213	41714851500	Plate	1	
214	A06CB080100	Skt. HD. cap scr.	4	M8×10
215	A41JJ00M080	Washer	4	M8
216	31414848250	Handle	2	
217	41414848260	Cover	2	
218	41414848270	Packing	2	
219	J06KRW03000	Seal washer	8	
220	A25AD030160	Round HD. cap scr.	8	M3×16
221	31714846440	Plate	1	
222	A16A04X0080	Round HD. cap scr.	6	M4×8
223	Z21TU000540	Gromet	2	C-30-SG-42A (TAKIGEN)
224				
225				
226	41734851741	Plate	1	
227	A06CB060080	Skt. HD. cap scr.	10	M6×8
228	A41JJ00M060	Washer	10	M6
229	41734851840	Plate	1	
230	A06CB050080	Skt. HD. cap scr.	4	M5×8
231	31714853420	Bracket	1	
232	41714853430	Shaft	1	
233				
234	E0006201ZZ0	Radial ball bearing	2	6201ZZ (NTN)
235	A15B04X0100	Skt. set scr.	1	M4×10 (Flat p.)
236				
237				
238	41714853270	Plate	1	
239	A16B06X0100	Flat HD. cap scr.	4	M6×10
240	21714853692	Cover	1	

## COVER ASS'Y (DISTANCE BETWEEN CENTERS 1000, STD.)

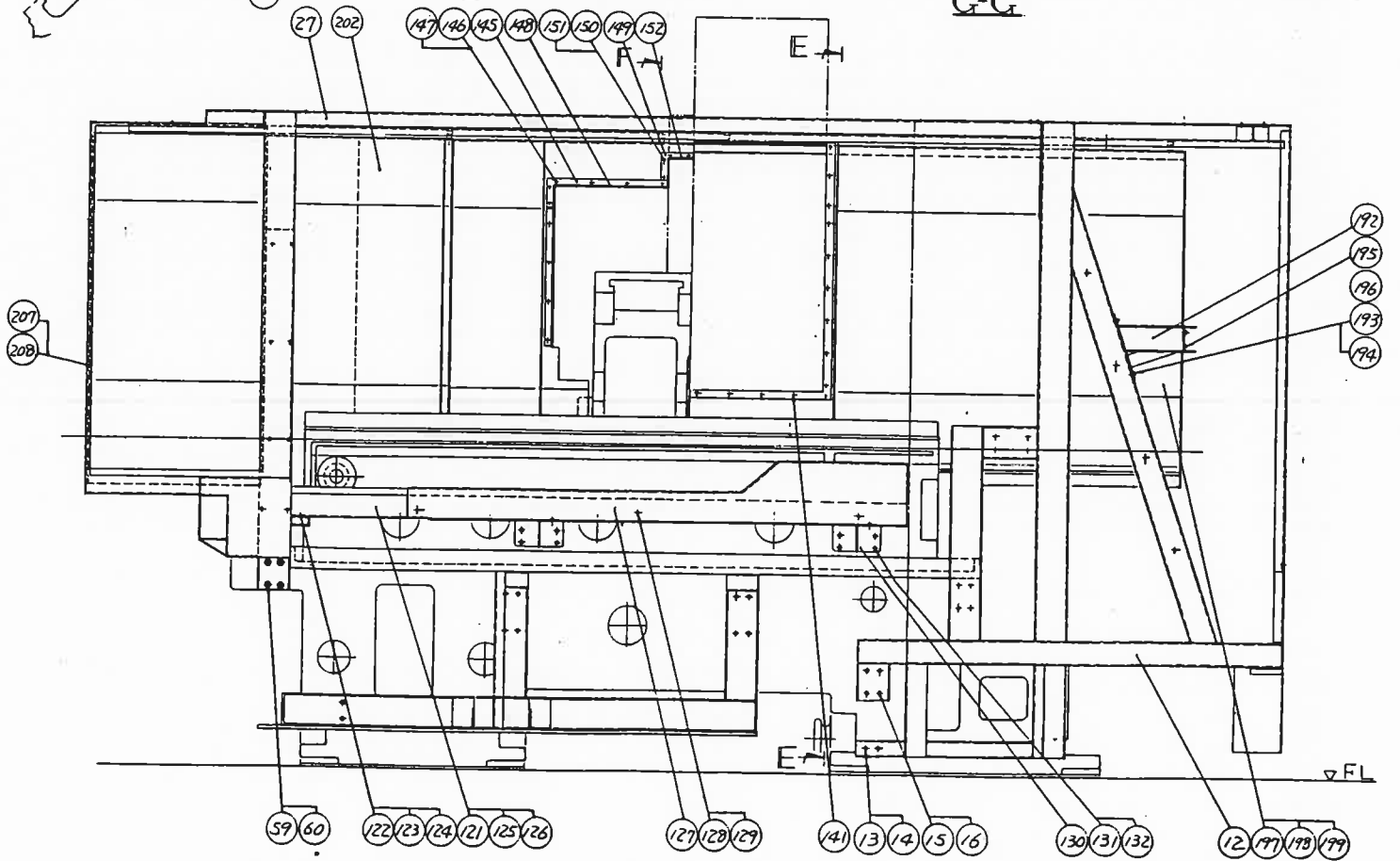
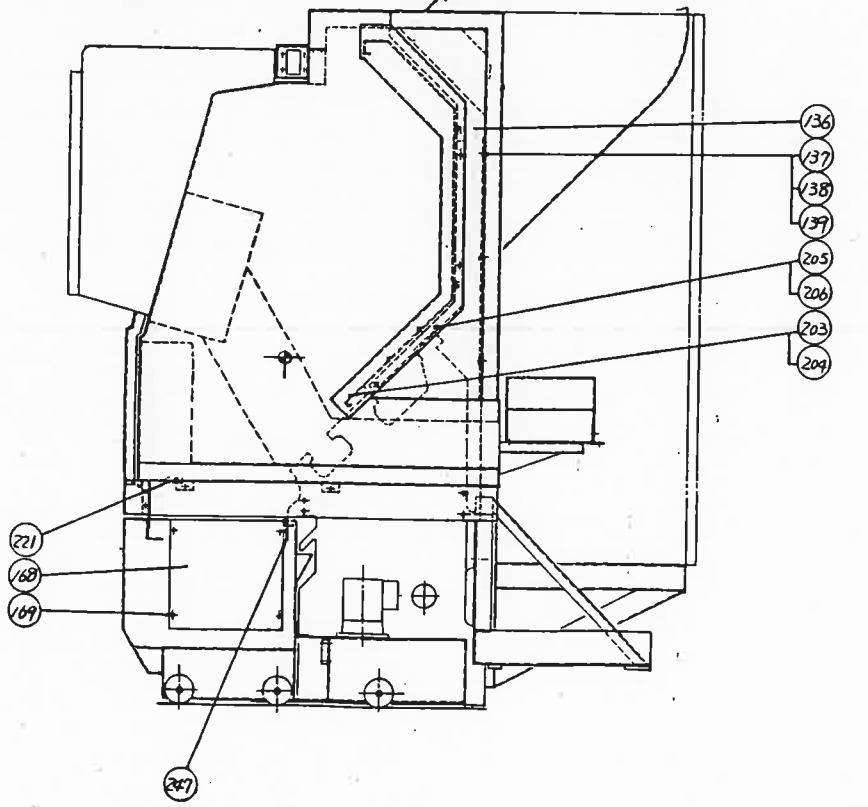
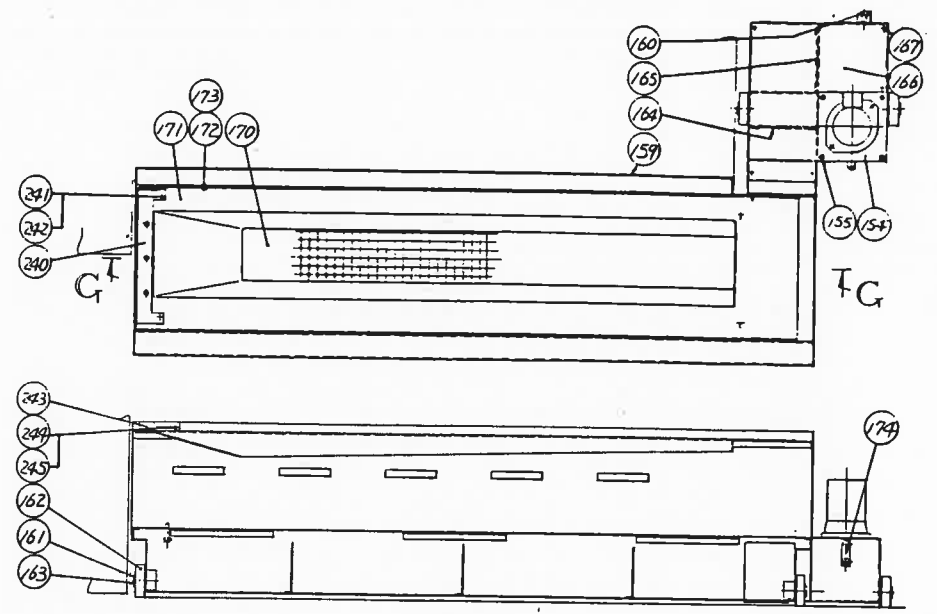
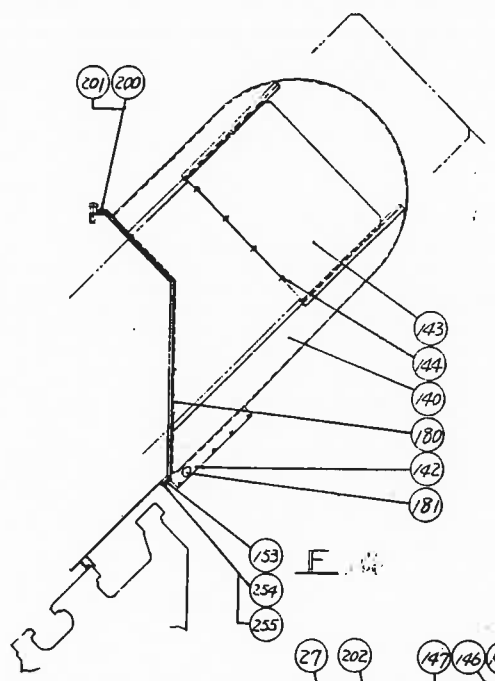
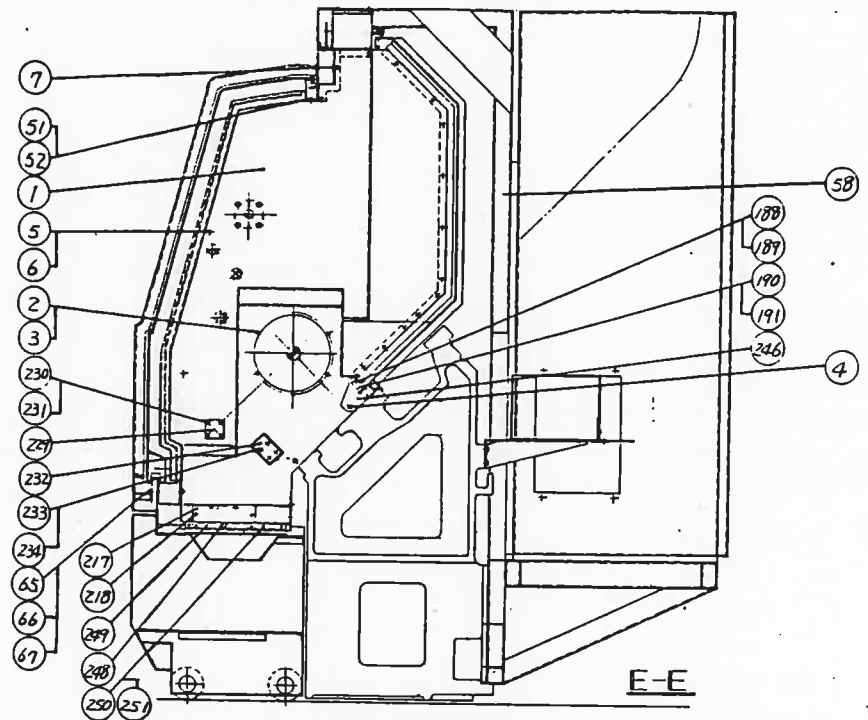
List No. 51714700600

No.	Parts No.	Parts name	Q'ty	Remarks
241	A06CB060100	Skt. HD. cap scr.	2	M6×10
242	A41JJ00M060	Washer	2	M6
243	41714853740	Plate	1	
244	A06CB060080	Skt. HD. cap scr.	1	M6×8
245	A41JJ00M060	Washer	1	M6
246	41714855600	Packing	1	
247	41714856000	Packing	1	
248	41714856010	Packing	1	
249	41714856020	Plate	1	
250	A06CB050100	Skt. HD. cap scr.	3	M5×10
251	A41JJ00M050	Washer	3	M5
252	A16B03X0050	Flat HD. cap scr.	5	M3×5
253	A06CB050100	Skt. HD. cap scr.	4	M5×10



**MAZAK**  
 SLANT TURN  
 25-ATC 1 1/2"

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## COVER ASS'Y (DISTANCE BETWEEN CENTERS 1500, STD.)

List No. 51714700700

No.	Parts No.	Parts name	Q'ty	Remarks
1	01714843064	Cover	1	
2	A06CB080150	Skt. HD. cap scr.	5	M8×15
3	A41JJ00M080	Washer	5	M8
4	A06CB080150	Skt. HD. cap scr.	2	M8×15
5	A06CB060080	Skt. HD. cap scr.	3	M6×8
6	A41JJ00M060	Washer	12	M6
7	A06CB060140	Skt. HD. cap scr.	3	M6×14
8	A06CB080150	Skt. HD. cap scr.	2	M8×15
9	A43JJ00M080	Spring LK. washer	2	M8
10	A06CB060080	Skt. HD. cap scr.	1	M6×8
11	A41JJ00M060	Washer	1	M6
12	01714843074	Bracket	1	
13	A06CB080150	Skt. HD. cap scr.	8	M8×15
14	A41JJ00M080	Washer	8	M8
15	A06CB080150	Skt. HD. cap scr.	8	M8×15
16	A43JJ00M080	Spring LK. washer	8	M8
17	A06CB060120	Skt. HD. cap scr.	4	M6×12
18	A41JJ00M060	Washer	4	M6
19	A43JJ00M060	Spring LK. washer	4	M6
20				
21				
22				
23				
24				
25				
26				
27	01714843081	Cover	1	
28	A06CB060100	Skt. HD. cap scr.	9	M6×10
29	A41JJ00M060	Washer	9	M6
30	A43JJ00M060	Spring LK. washer	9	M6
31	A06CB060080	Skt. HD. cap scr.	8	M6×8
32	A41JJ00M060	Washer	8	M6
33	41714844840	Plate	1	
34	41714844851	Packing	1	
35	31714844790	Plate	1	
36	A16A05X0140	Round HD. cap scr.	14	M5×14
37	21714844760	Cover	1	
38	A16A04X0060	Round HD. cap scr.	9	M4×6
39	01714851340	Cover	1	
40	A06CB060100	Skt. HD. cap scr.	11	M6×10

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## COVER ASS'Y (DISTANCE BETWEEN CENTERS 1500, STD.)

List No. 51714700700

No.	Parts No.	Parts name	Q'ty	Remarks
41	A41JJ00M060	Washer	11	M6
42	A43JJ00M060	Spring LK. washer	11	M6
43				
44				
45				
46				
47				
48				
49				
50	11714844721	Duct	1	
51	A16A06X0080	Round HD. cap scr.	2	M6×8
52	A41JJ00M060	Washer	2	M6
53	31714843290	Cover	1	
54	A16A06X0080	Round HD. cap scr.	2	M6×8
55	A41JJ00M060	Washer	2	M6
56	31714843281	Plate	2	
57	A16A06X0080	Round HD. cap scr.	12	M6×8
58	11714843101	Bracket	1	
59	A06CB080150	Skt. HD. cap scr.	4	M8×15
60	A43JJ00M080	Spring LK. washer	4	M8
61	A06CB060120	Skt. HD. cap scr.	4	M6×12
62	A41JJ00M060	Washer	4	M6
63	A43JJ00M060	Spring LK. washer	4	M6
64	11714844712	Cover	1	
65	A06CB060150	Skt. HD. cap scr.	5	M6×15
66	A43JJ00M060	Spring LK. washer	5	M6
67	A41JJ00M060	Washer	5	M6
68	A16C06X0100	Decorativ scr.	6	M6×10
69	A41TU0KM060	Washer	6	M6
70	11714843112	Cover	1	
71				
72	A06CB060100	Skt. HD. cap scr.	4	M6×10
73	A41JJ00M060	Washer	4	M6
74				
75				
76	11714843130	Cover	1	
77	A16C06X0150	Decorativ scr.	2	M6×15
78	A41TU0KM060	Washer	2	M6
79	11714843141	Cover	1	
80	A16A06X0080	Round HD. cap scr.	4	M6×8

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## COVER ASS'Y (DISTANCE BETWEEN CENTERS 1500, STD.)

List No. 51714700700

No.	Parts No.	Parts name	Q'ty	Remarks
81	A41JJ00M060	Washer	4	M6
82	41714843320	Plate	1	
83	A06CB060400	Skt. HD. cap scr.	2	M6×40
84				
85				
86				
87				
88	21714843201	Cover	1	
89	A06CB060100	Skt. HD. cap scr.	5	M6×10
90	21714843221	Cover	1	
91				
92				
93	A16A06X0080	Round HD. cap scr.	6	M6×8
94	A41JJ00M060	Washer	6	M6
95	11714843182	Cover	1	
96	A06CB060100	Skt. HD. cap scr.	3	M6×10
97	11714844702	Door (R)	1	
98	11714844731	Door (L)	1	
99	A06CB060160	Skt. HD. cap scr.	4	M6×16
100	A43JJ00M060	Spring LK. washer	4	M6
101	41444784680	Shaft	4	
102	A35000S0120	Retain ring	4	S12
103	E0006001ZZ0	Radial ball bearing	4	6001ZZ (NTN)
104	41574724210	Roller	4	
105	A35000H0280	Retain ring	4	H28
106	A35000S0120	Retain ring	4	S12
107	E0006001ZZ0	Radial ball bearing	4	6001ZZ (NTN)
108	41514706971	Shaft	4	
109	A06CB060120	Skt. HD. cap scr.	8	M6×12
110	A43JJ00M060	Spring LK. washer	8	M6
111	A41JJ00M060	Washer	8	M6
112	A16A06X0100	Round HD. cap scr.	34	M6×10
113	41514706950	Seal sash	1	2300
114	31714843300	Plate	1	
115	41714843391	Plate	1	
116	41714843370	Packing	1	
117				
118				
119				
120				

## COVER ASS'Y (DISTANCE BETWEEN CENTERS 1500, STD.)

List No. 51714700700

No.	Parts No.	Parts name	Q'ty	Remarks
121	21714844751	Duct	1	
123	A16A06X0080	Round HD. cap scr.	7	M6×8
123	A41JJ00M060	Washer	7	M6
124	A43JJ00M060	Spring LK. washer	7	M6
125	A06CB060180	Skt. HD. cap scr.	2	M6×18
126	A43JJ00M060	Spring LK. washer	2	M6
127	31714848132	Cover	1	
128	A16A06X0080	Round HD. cap scr.	4	M6×8
129	A43JJ00M060	Spring LK. washer	4	M6
130	31714843911	Bracket	2	
131	A06CB080200	Skt. HD. cap scr.	8	M8×20
132	A43JJ00M080	Spring LK. washer	8	M8
133	41714843960	Plate	1	
134	A16C06X0080	Decorativ scr.	1	M6×8
135	A41TU0KM060	Washer	1	M6
136	21714844050	Bracket	1	
137	A06CB060120	Skt. HD. cap scr.	6	M6×12
138	A41JJ00M060	Washer	6	M6
139	A43JJ00M060	Spring LK. washer	6	M6
140	11714844234	Cover	1	
141	A06CB060080	Skt. HD. cap scr.	20	M6×8
142	A06CB080100	Skt. HD. cap scr.	6	M8×10
143	31714844291	Cover	1	
144	A06CB060120	Skt. HD. cap scr.	4	M6×12
145	31714844251	Supporter	1	
146	A06CB060100	Skt. HD. cap scr.	10	M6×10
147	A41JJ00M060	Washer	10	M6
148	31714844261	Wiper	1	
149	41714844270	Supporter	1	
150	A06CB060100	Skt. HD. cap scr.	4	M6×10
151	A41JJ00M060	Washer	4	M6
152	41714844280	Wiper	1	
153	41734851741	Plate	1	
154	41714853270	Plate	1	
155	A16B06X0100	Flat HD. cap scr.	4	M6×10
156				
157				
158				
159	11714855140	Oil pan	1	
160	H3600001S20	Skt. pipe plug	1	PT1/2



## COVER ASS'Y (DISTANCE BETWEEN CENTERS 1500, STD.)

List No. 51714700700

No.	Parts No.	Parts name	Q'ty	Remarks
161	41559200371	Shaft	6	
162	41559200360	Roller	6	
163	A38000E0150	Retain ring (E type)	6	E 15
164	41714855160	Filter	1	
165	41714855170	Filter	1	
166	41714855180	Cover	1	
167	A06CB060100	Skt. HD. cap scr.	5	M6×10
168	41714844330	Cover	1	
169	A06CB060080	Skt. HD. cap scr.	4	M6×8
170	31714844890	Plate	1	
171	31714844882	Seal cover	1	
172	A06CB060100	Skt. HD. cap scr.	2	M6×10
173	A41JJ00M060	Washer	2	M6
174	G29KH000330	Oil gauge	1	AP-1-73(KOHO)
175	Z16JF000320	Grip	1	KS-25×25(IMAO)
176	41734851840	Plate	1	
177	A06CB050080	Skt. HD. cap scr.	4	M5×8
178				
179				
180	31734851820	Packing	1	
181	41714844940	Packing	1	
182	21714847310	Oil pan	1	
183	A06CB080160	Skt. HD. cap scr.	4	M8×16
184	A41JJ00M080	Washer	4	M8
185				
186				
187				
188	41714847440	Plate	1	
189	41714847450	Packing	1	
190	A16A06X0100	Round HD. cap scr.	2	M6×10
191	A41JJ00M060	Washer	2	M6
192	31714848170	Bracket	1	
193	A06CB060100	Skt. HD. cap scr.	4	M6×10
194	A41JJ00M060	Washer	4	M6
195	A06CB080100	Skt. HD. cap scr.	2	M8×10
196	A41JJ00M080	Washer	2	M8
197	11714848180	Protector	1	H side 1500
198	A06CB080160	Skt. HD. cap scr.	5	M8×16
199	A41JJ00M080	Washer	5	M8
200	A06CB060100	Skt. HD. cap scr.	2	M6×10

## COVER ASS'Y (DISTANCE BETWEEN CENTERS 1500, STD.)

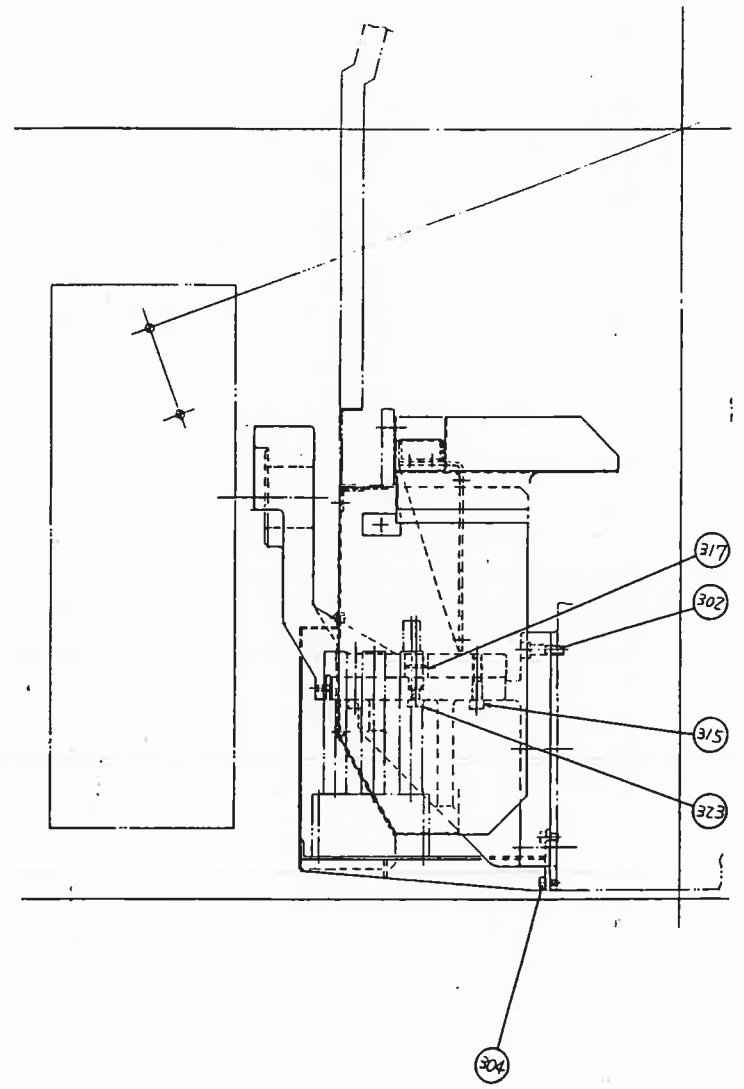
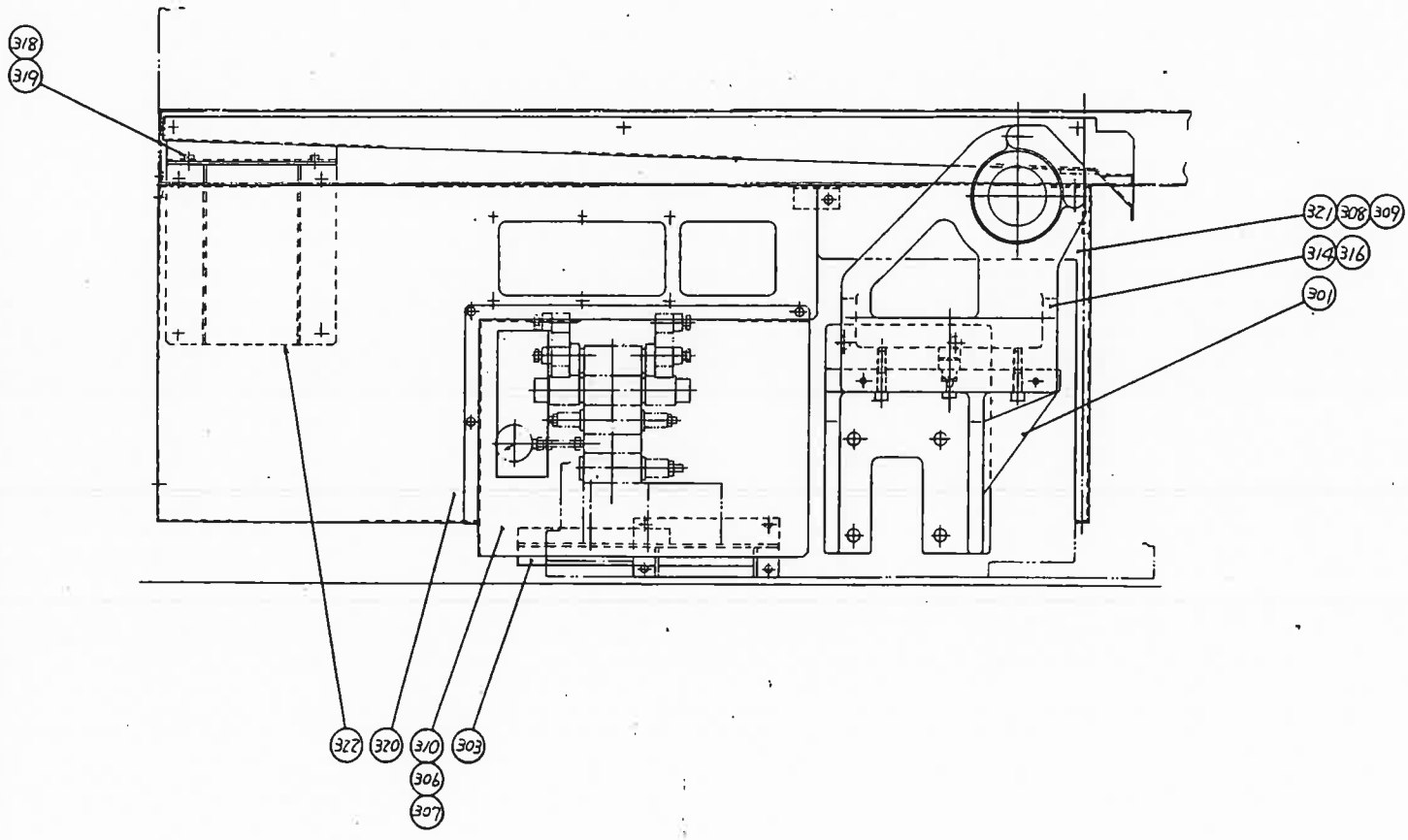
List No. 51714700700

No.	Parts No.	Parts name	Q'ty	Remarks
201	A41JJ00M060	Washer	2	M6
202	11714844920	Protector	1	TL side 1500
203	A06CB080250	Skt. HD. cap scr.	3	M8×25
204	A41JJ00M080	Washer	3	M8
205	A06CB080140	Skt. HD. cap scr.	4	M8×14
206	A43JJ00M080	Spring LK. washer	4	M8
207	A06CB080120	Skt. HD. cap scr.	2	M8×12
208	A43JJ00M080	Spring LK. washer	2	M8
209	21714850870	Duct	1	
210	A16A06X0100	Round HD. cap scr.	10	M6×10
211	A41JJ00M060	Washer	10	M6
212	31414848250	Handle	2	
213	41414848260	Cover	2	
214	41414848270	Packing	2	
215	J06KRW03000	Seal washer	8	
216	A25AD030160	Round HD. cap scr.	8	M3×16
217	31714846440	Plate	1	
218	A16A04X0080	Round HD. cap scr.	6	M4×8
219	Z11TU001270	Hinge	2	B-508-14(TAKIGEN)
220	Z12TU000010	Magnet catch	1	C-54-1(TAKIGEN)
221	Z21TU000540	Gromet	2	C-30-SG-42A(TAKIGEN)
222	Z11TU001260	Hinge	1	B-562(U type)(TAKIGEN)
223				
224	31714847000	Bracket	1	
225	A06CB060100	Skt. HD. cap scr.	5	M6×10
226	A41JJ00M060	Washer	5	M6
227	31714850680	Cover	1	
228	A06CB060120	Skt. HD. cap scr.	4	M6×12
229	41714851490	Plate	1	
230	A06CB060100	Skt. HD. cap scr.	4	M6×10
231	A41JJ00M060	Washer	4	M6
232	41714851500	Plate	1	
233	A06CB080100	Skt. HD. cap scr.	4	M8×10
234	A41JJ00M080	Washer	4	M8
235				
236				
237	31710137220	Bracket	1	
238	A06CB060120	Skt. HD. cap scr.	2	M6×12
239	A41JJ00M060	Washer	2	M6
240	21714853692	Cover	1	

## COVER ASS'Y (DISTANCE BETWEEN CENTERS 1500, STD.)

List No. 51714700700

No.	Parts No.	Parts name	Q'ty	Remarks
241	A06CB060100	Skt. HD. cap scr.	2	M6×10
242	A41JJ00M060	Washer	2	M6
243	41714853740	Plate	1	
244	A06CB060080	Skt. HD. cap scr.	1	M6×8
245	A41JJ00M060	Washer	1	M6
246	41714855600	Packing	1	
247	41714856000	Packing	1	
248	41714856010	Packing	1	
249	41714856020	Plate	1	
250	A06CB050100	Skt. HD. cap scr.	3	M5×10
251	A41JJ00M050	Washer	3	M5
252	A16B03X0050	Flat HD. cap scr.	5	M3×5
253	A06CB040100	Skt. HD. cap scr.	6	M4×10
254	A06CB060080	Skt. HD. cap scr.	10	M6×8
255	A41JJ00M060	Washer	10	M6
256	A41JJ00M040	Washer	6	M4



<b>Mazak</b>	SPECIFICATION APPLY : (FLEX-1 EQUIPMENT)	ASSEMBLY NAME : COVER ASS'Y	Page
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## FLEX-1 EQUIPMENT ASS'Y

List No. 51714701000

No.	Parts No.	Parts name	Q'ty	Remarks
1	01714843064	Cover	1	
2	A06CB080150	Skt. HD. cap scr.	5	M8×15
3	A41JJ00M080	Washer	5	M8
4	A06CB080150	Skt. HD. cap scr.	2	M8×15
5	A06CB060080	Skt. HD. cap scr.	3	M6×8
6	A41JJ00M060	Washer	12	M6
7	A06CB060140	Skt. HD. cap scr.	3	M6×14
8	A06CB080150	Skt. HD. cap scr.	2	M8×15
9	A43JJ00M080	Spring LK. washer	2	M8
10	A06CB060080	Skt. HD. cap scr.	1	M6×8
11	A41JJ00M060	Washer	1	M6
12	01714843074	Bracket	1	
13	A06CB080150	Skt. HD. cap scr.	8	M8×15
14	A41JJ00M080	Washer	8	M8
15	A06CB080150	Skt. HD. cap scr.	8	M8×15
16	A43JJ00M080	Spring LK. washer	8	M8
17	A06CB060120	Skt. HD. cap scr.	4	M6×12
18	A41JJ00M060	Washer	4	M6
19	A43JJ00M060	Spring LK. washer	4	M6
20				
21				
22				
23				
24				
25				
26				
27	01714843082	Cover	1	
28	A06CB060100	Skt. HD. cap scr.	8	M6×10
29	A41JJ00M060	Washer	8	M6
30	A43JJ00M060	Spring LK. washer	8	M6
31	A06CB060080	Skt. HD. cap scr.	8	M6×8
32	A41JJ00M060	Washer	8	M6
33	41714843340	Plate	1	
34	41714843381	Packing	1	
35	31714843240	Plate	1	
36	A16A05X0140	Round HD. cap scr.	14	M5×14
37	21714843210	Cover	1	
38	A16A04X0060	Round HD. cap scr.	8	M4×6
39	01714843092	Cover	1	
40	A06CB060100	Skt. HD. cap scr.	8	M6×10

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## FLEX-1 EQUIPMENT ASS'Y

List No. 51714701000

No.	Parts No.	Parts name	Q'ty	Remarks
41	A41JJ00M060	Washer	8	M6
42	A43JJ00M060	Spring LK. washer	8	M6
43				
44				
45				
46				
47				
48				
49				
50	11714843192	Duct	1	
51	A16A06X0080	Round HD. cap scr.	2	M6×8
52	A41JJ00M060	Washer	2	M6
53	31714843290	Cover	1	
54	A16A06X0080	Round HD. cap scr.	2	M6×8
55	A41JJ00M060	Washer	2	M6
56	31714843281	Plate	2	
57	A16A06X0080	Round HD. cap scr.	12	M6×8
58	11714843101	Bracket	1	
59	A06CB080150	Skt. HD. cap scr.	4	M8×15
60	A43JJ00M080	Spring LK. washer	4	M8
61	A06CB060120	Skt. HD. cap scr.	4	M6×12
62	A41JJ00M060	Washer	4	M6
63	A43JJ00M060	Spring LK. washer	4	M6
64	11714843123	Cover	1	
65	A06CB060150	Skt. HD. cap scr.	5	M6×15
66	A43JJ00M060	Spring LK. washer	5	M6
67	A41JJ00M060	Washer	5	M6
68	A16C06X0100	Decorativ scr.	7	M6×10
69	A41TU0KM060	Washer	7	M6
70	11714843112	Cover	1	
71	Z12TU000230	One touch open catch	1	C-95 (TAKIGEN)
72				
73				
74				
75				
76	11714843130	Cover	1	
77	A16C06X0150	Decorativ scr.	2	M6×15
78	A41TU0KM060	Washer	2	M6
79	11714843141	Cover	1	
80	A16A06X0080	Round HD. cap scr.	4	M6×8

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## FLEX-1 EQUIPMENT ASS'Y

List No. 51714701000

No.	Parts No.	Parts name	Q'ty	Remarks
81	A41JJ00M060	Washer	4	M6
82	41714843320	Plate	1	
83	A06CB060400	Skt. HD. cap scr.	2	M6×40
84				
85				
86				
87				
88	21714843201	Cover	1	
89	A06CB060100	Skt. HD. cap scr.	5	M6×10
90	21714843221	Cover	1	
91				
92				
93	A16A06X0080	Round HD. cap scr.	6	M6×8
94	A41JJ00M060	Washer	6	M6
95	11714843182	Cover	1	
96	A06CB060100	Skt. HD. cap scr.	3	M6×10
97	11714843151	Door (R)	1	
98	11714843171	Door (L)	1	
99	A06CB060160	Skt. HD. cap scr.	4	M6×16
100	A43JJ00M060	Spring LK. washer	4	M6
101	41444784680	Shaft	4	
102	A35000S0120	Retain ring	4	S12
103	E0006001ZZ0	Radial ball bearing	4	6001ZZ (NTN)
104	41574724210	Roller	4	
105	A35000H0280	Retain ring	4	H28
106	A35000S0120	Retain ring	4	S12
107	E0006001ZZ0	Radial ball bearing	4	6001ZZ (NTN)
108	41514706971	Shaft	4	
109	A06CB060120	Radial ball bearing	8	M6×12
110	A43JJ00M060	Spring LK. washer	8	M6
111	A41JJ00M060	Washer	8	M6
112	A16A06X0100	Round HD. cap scr.	34	M6×10
113	41514706950	Seal sash	1	2300
114	31714843300	Plate	1	
115	41714843391	Plate	1	
116	41714843370	Packing	1	
117				
118				
119				
120				

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## FLEX-1 EQUIPMENT ASS'Y

List No. 51714701000

No.	Parts No.	Parts name	Q'ty	Remarks
121	21714843891	Duct	1	
123	A16A06X0080	Round HD. cap scr.	4	M6×8
123	A41JJ00M060	Washer	4	M6
124	A43JJ00M060	Spring LK. washer	4	M6
125	A06CB060180	Skt. HD. cap scr.	2	M6×18
126	A43JJ00M060	Spring LK. washer	2	M6
127	31714843903	Cover	1	
128	A16A06X0080	Round HD. cap scr.	4	M6×8
129	A43JJ00M060	Spring LK. washer	4	M6
130	31714843911	Bracket	2	
131	A06CB080200	Skt. HD. cap scr.	8	M8×20
132	A43JJ00M080	Spring LK. washer	8	M8
133	41714843960	Plate	1	
134	A16C06X0080	Decorativ scr.	1	M6×8
135	A41TUOKM060	Washer	1	M6
136	21714844050	Bracket	1	
137	A06CB060120	Skt. HD. cap scr.	6	M6×12
138	A41JJ00M060	Washer	6	M6
139	A43JJ00M060	Spring LK. washer	6	M6
140	11714844234	Cover	1	
141	A06CB060080	Skt. HD. cap scr.	20	M6×8
142	A06CB080100	Skt. HD. cap scr.	5	M8×10
143	31714844291	Cover	1	
144	A06CB060120	Skt. HD. cap scr.	4	M6×12
145	31714844251	Supporter	1	
146	A06CB060100	Skt. HD. cap scr.	10	M6×10
147	A41JJ00M060	Washer	10	M6
148	31714844261	Wiper	1	
149	41714844270	Supporter	1	
150	A06CB060100	Skt. HD. cap scr.	4	M6×10
151	A41JJ00M060	Washer	4	M6
152	41714844280	Wiper	1	
153				
154	A06CB080120	Skt. HD. cap scr.	2	M8×12
155	A43JJ00M080	Spring LK. washer	2	M8
156	41714855590	Spacer	1	
157				
158				
159	11714855140	Oil pan	1	
160	H3600001S20	Skt. pipe plug	1	PT1/2

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## FLEX-1 EQUIPMENT ASS'Y

List No. 51714701000

No.	Parts No.	Parts name	Q'ty	Remarks
161	41559200371	Shaft	6	
162	41559200360	Roller	6	
163	A38000E0150	Retain ring (E type)	6	E 15
164	41714855160	Filter	1	
165	41714855170	Filter	1	
166	41714855180	Cover	1	
167	A06CB060100	Skt. HD. cap scr.	5	M6×10
168	41714844330	Cover	1	
169	A06CB060080	Skt. HD. cap scr.	4	M6×8
170	31714844320	Plate	1	
171	31714844311	Seal cover	1	
172	A06CB060100	Skt. HD. cap scr.	2	M6×10
173	A41JJ00M060	Washer	2	M6
174	G29KH000330	Oil gauge	1	AP-1-73(KOHO)
175	Z16JF000320	Grip	1	KS-25×25(IMAO)
176	31714844501	Wiper	1	
177	21714844491	Plate	1	
178	11714844481	Plate	1	
179	A06CB060100	Skt. HD. cap scr.	24	M6×10
180	31734851820	Packing	1	
181	41714844940	Packing	1	
182	21714847310	Oil pan	1	
183	A06CB080160	Skt. HD. cap scr.	4	M8×16
184	A41JJ00M080	Washer	4	M8
185	11714844910	Protector	1	H side 1000
186	A06CB080160	Skt. HD. cap scr.	5	M8×16
187	A41JJ00M080	Washer	5	M8
188	11714844900	Protector	1	TL side 1000
189	A06CB080250	Skt. HD. cap scr.	3	M8×25
190	A41JJ00M080	Washer	3	M8
191	A06CB080140	Skt. HD. cap scr.	4	M8×14
192	A43JJ00M080	Spring LK. washer	4	M8
193	A06CB080120	Skt. HD. cap scr.	2	M8×12
194	A43JJ00M080	Spring LK. washer	2	M8
195	21714850870	Duct	1	
196	A16A06X0100	Round HD. cap scr.	12	M6×10
197	A41JJ00M060	Washer	12	M6
198	31714847000	Bracket	1	
199	A06CB060100	Skt. HD. cap scr.	5	M6×10
200	A41JJ00M060	Washer	5	M6

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## FLEX-1 EQUIPMENT ASS'Y

List No. 51714701000

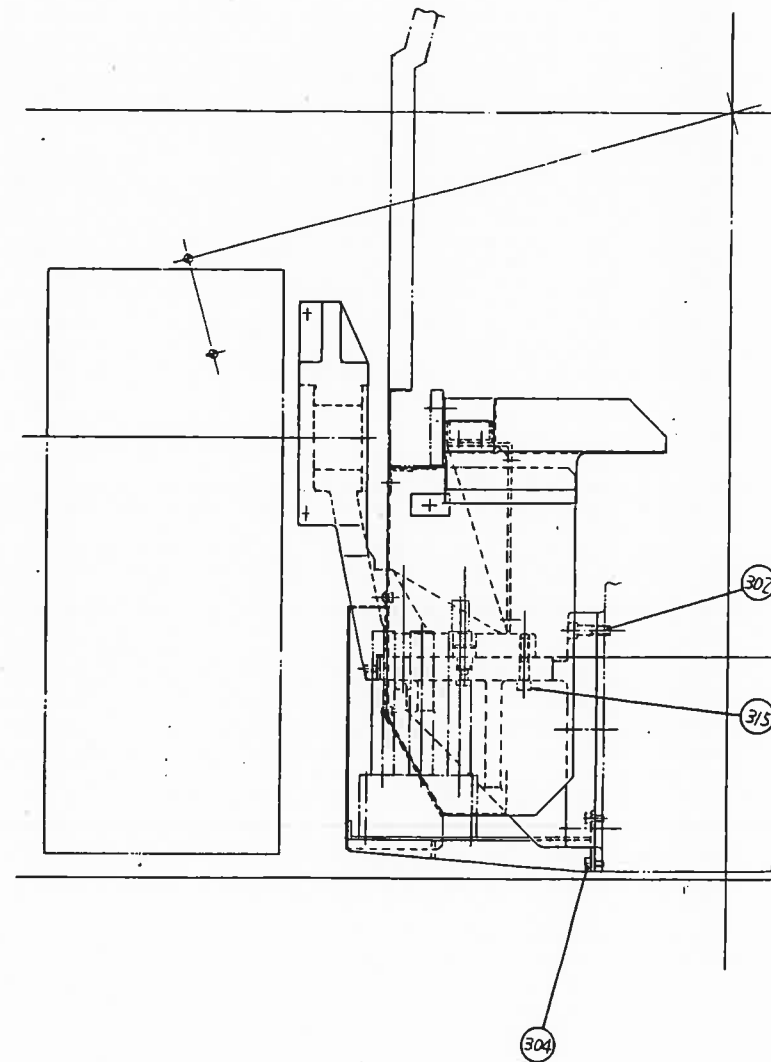
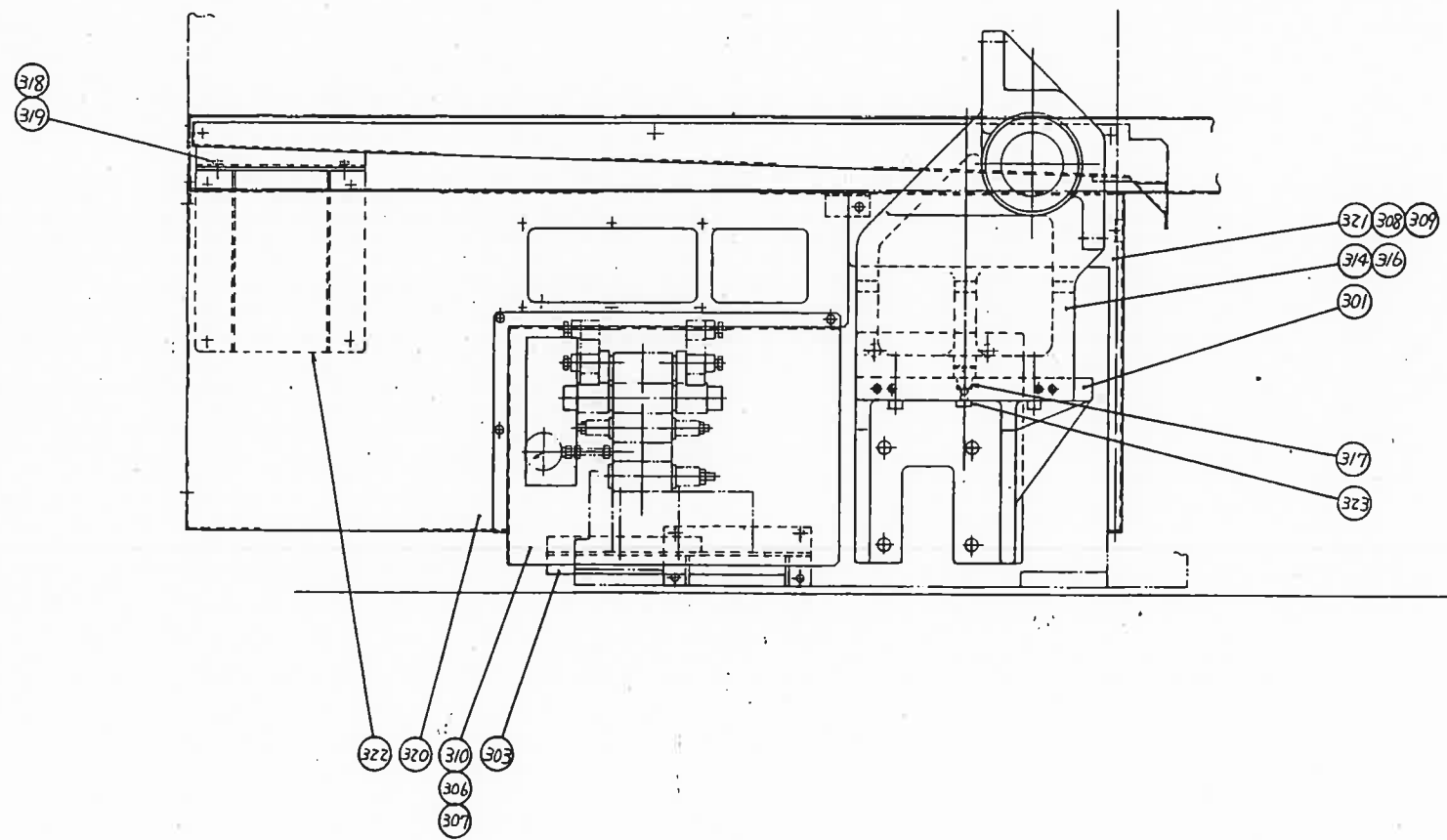
No.	Parts No.	Parts name	Q'ty	Remarks
201	21714850680	Cover	1	
202	A06CB040100	Skt. HD. cap scr.	6	M4×10
203	A41JJ00M040	Washer	6	M4
204				
205				
206	Z11TU001260	Hinge	1	B-562(U type)(TAKIGEN)
207	Z11TU001270	Hinge	2	B-508-14(TAKIGEN)
208	Z12TU000010	Magnet catch	1	C-54-1(TAKIGEN)
209	31710137220	Bracket	1	
210	41714851490	Plate	1	
211	A06CB060100	Skt. HD. cap scr.	4	M6×10
212	A41JJ00M060	Washer	4	M8
213	41714851500	Plate	1	
214	A06CB080100	Skt. HD. cap scr.	4	M8×10
215	A41JJ00M080	Washer	4	M8
216	31414848250	Handle	2	
217	41414848260	Cover	2	
218	41414848270	Packing	2	
219	J06KRW03000	Seal washer	8	
220	A25AD030160	Round HD. cap scr.	8	M3×16
221	31714846440	Plate	1	
222	A16A04X0080	Round HD. cap scr.	6	M4×8
223	Z21TU000540	Gromet	2	C-30-SG-42A(TAKIGEN)
224				
225				
226	41734851741	Plate	1	
227	A06CB060080	Skt. HD. cap scr.	10	M6×8
228	A41JJ00M060	Washer	10	M6
229	41734851840	Plate	1	
230	A06CB050080	Skt. HD. cap scr.	4	M5×8
231	31714853420	Bracket	1	
232	41714853430	Shaft	1	
233				
234	E0006201ZZ0	Radial ball bearing	2	6201ZZ (NTN)
235	A15B04X0100	Skt. set scr.	1	M4×10 (Flat p.)
236				
237				
238	41714853270	Plate	1	
239	A16B06X0100	Flat HD. cap scr.	4	M6×10
240	21714853692	Cover	1	

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## FLEX-1 EQUIPMENT ASS'Y

List No. 51714701000

No.	Parts No.	Parts name	Q'ty	Remarks
241	A06CB060100	Skt. HD. cap scr.	2	M6×10
242	A41JJ00M060	Washer	2	M6
243	41714853740	Plate	1	
244	A06CB060080	Skt. HD. cap scr.	1	M6×8
245	A41JJ00M060	Washer	1	M6
246	41714855600	Packing	1	
247	41714856000	Packing	1	
248	41714856010	Packing	1	
249	41714856020	Plate	1	
250	A06CB050100	Skt. HD. cap scr.	3	M5×10
251	A41JJ00M050	Washer	3	M5
252	A16B03X0050	Flat HD. cap scr.	5	M3×5
253	A06CB050100	Skt. HD. cap scr.	4	M5×10
301	11714013140	Bracket	1	
302	A06CB120450	Skt. HD. cap scr.	6	M12×45
303	31714844612	Bracket	1	
304	A06CB080160	Skt. HD. cap scr.	4	M8×16
305				
306	A16C06X0100	Round HD. cap scr.	3	M6×10
307	A41TU0KM060	Washer	3	M6
308	A06CB060120	Skt. HD. cap scr.	1	M6×12
309	A41JJ00M060	Washer	1	M6
310	21714844593	Cover	1	
311				
312				
313				
314	19223101250	Bracket	1	
315	A06CB120550	Skt. HD. cap scr.	4	M12×55
316	A15B08X0100	Skt. set scr. (Flat p.)	2	M8×10
317	49223100940	Pin	1	
318	A06CB060120	Skt. HD. cap scr.	4	M6×12
319	A41JJ00M060	Washer	4	M6
320	11714852440	Cover	1	
321	21714852451	Cover	1	
322	21714853000	Bracket	1	
323	A06CB080300	Skt. HD. cap scr.	1	M8×30



**Mazak**

SPECIFICATION APPLY : (FLEX-3 EQUIPMENT)

ASSEMBLY NAME : COVER ASS'Y

DRAWING NO : 017147A0170

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## FLEX-3 EQUIPMENT ASS'Y

List No. 51714701100

No.	Parts No.	Parts name	Q'ty	Remarks
1	01714843064	Cover	1	
2	A06CB080150	Skt. HD. cap scr.	5	M8×15
3	A41JJ00M080	Washer	5	M8
4	A06CB080150	Skt. HD. cap scr.	2	M8×15
5	A06CB060080	Skt. HD. cap scr.	3	M6×8
6	A41JJ00M060	Washer	12	M6
7	A06CB060140	Skt. HD. cap scr.	3	M6×14
8	A06CB080150	Skt. HD. cap scr.	2	M8×15
9	A43JJ00M080	Spring LK. washer	2	M8
10	A06CB060080	Skt. HD. cap scr.	1	M6×8
11	A41JJ00M060	Washer	1	M6
12	01714843074	Bracket	1	
13	A06CB080150	Skt. HD. cap scr.	8	M8×15
14	A41JJ00M080	Washer	8	M8
15	A06CB080150	Skt. HD. cap scr.	8	M8×15
16	A43JJ00M080	Spring LK. washer	8	M8
17	A06CB060120	Skt. HD. cap scr.	4	M6×12
18	A41JJ00M060	Washer	4	M6
19	A43JJ00M060	Spring LK. washer	4	M6
20				
21				
22				
23				
24				
25				
26				
27	01714843082	Cover	1	
28	A06CB060100	Skt. HD. cap scr.	8	M6×10
29	A41JJ00M060	Washer	8	M6
30	A43JJ00M060	Spring LK. washer	8	M6
31	A06CB060080	Skt. HD. cap scr.	8	M6×8
32	A41JJ00M060	Washer	8	M6
33	41714843340	Plate	1	
34	41714843381	Packing	1	
35	31714843240	Plate	1	
36	A16A05X0140	Round HD. cap scr.	14	M5×14
37	21714843210	Cover	1	
38	A16A04X0060	Round HD. cap scr.	8	M4×6
39	01714843092	Cover	1	
40	A06CB060100	Skt. HD. cap scr.	8	M6×10

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## FLEX-3 EQUIPMENT ASS'Y

List No. 51714701100

No.	Parts No.	Parts name	Q'ty	Remarks
41	A41JJ00M060	Washer	8	M6
42	A43JJ00M060	Spring LK. washer	8	M6
43				
44				
45				
46				
47				
48				
49				
50	11714843192	Duct	1	
51	A16A06X0080	Round HD. cap scr.	2	M6×8
52	A41JJ00M060	Washer	2	M6
53	31714843290	Cover	1	
54	A16A06X0080	Round HD. cap scr.	2	M6×8
55	A41JJ00M060	Washer	2	M6
56	31714843281	Plate	2	
57	A16A06X0080	Round HD. cap scr.	12	M6×8
58	11714843101	Bracket	1	
59	A06CB080150	Skt. HD. cap scr.	4	M8×15
60	A43JJ00M080	Spring LK. washer	4	M8
61	A06CB060120	Skt. HD. cap scr.	4	M6×12
62	A41JJ00M060	Washer	4	M6
63	A43JJ00M060	Spring LK. washer	4	M6
64	11714843123	Cover	1	
65	A06CB060150	Skt. HD. cap scr.	5	M6×15
66	A43JJ00M060	Spring LK. washer	5	M6
67	A41JJ00M060	Washer	5	M6
68	A16C06X0100	Decorativ scr.	7	M6×10
69	A41TUOKM060	Washer	7	M6
70	11714843112	Cover	1	
71	Z12TU000230	One touch open catch	1	C-95 (TAKIGEN)
72				
73				
74				
75				
76	11714843130	Cover	1	
77	A16C06X0150	Decorativ scr.	2	M6×15
78	A41TUOKM060	Washer	2	M6
79	11714843141	Cover	1	
80	A16A06X0080	Round HD. cap scr.	4	M6×8

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## FLEX-3 EQUIPMENT ASS'Y

List No. 51714701100

No.	Parts No.	Parts name	Q'ty	Remarks
121	21714843891	Duct	1	
123	A16A06X0080	Round HD. cap scr.	4	M6×8
123	A41JJ00M060	Washer	4	M6
124	A43JJ00M060	Spring LK. washer	4	M6
125	A06CB060180	Skt. HD. cap scr.	2	M6×18
126	A43JJ00M060	Spring LK. washer	2	M6
127	31714843903	Cover	1	
128	A16A06X0080	Round HD. cap scr.	4	M6×8
129	A43JJ00M060	Spring LK. washer	4	M6
130	31714843911	Bracket	2	
131	A06CB080200	Skt. HD. cap scr.	8	M8×20
132	A43JJ00M080	Spring LK. washer	8	M8
133	41714843960	Plate	1	
134	A16C06X0080	Decorativ scr.	1	M6×8
135	A41TUOKM060	Washer	1	M6
136	21714844050	Bracket	1	
137	A06CB060120	Skt. HD. cap scr.	6	M6×12
138	A41JJ00M060	Washer	6	M6
139	A43JJ00M060	Spring LK. washer	6	M6
140	11714844234	Cover	1	
141	A06CB060080	Skt. HD. cap scr.	20	M6×8
142	A06CB080100	Skt. HD. cap scr.	5	M8×10
143	31714844291	Cover	1	
144	A06CB060120	Skt. HD. cap scr.	4	M6×12
145	31714844251	Supporter	1	
146	A06CB060100	Skt. HD. cap scr.	10	M6×10
147	A41JJ00M060	Washer	10	M6
148	31714844261	Wiper	1	
149	41714844270	Supporter	1	
150	A06CB060100	Skt. HD. cap scr.	4	M6×10
151	A41JJ00M060	Washer	4	M6
152	41714844280	Wiper	1	
153				
154	A06CB080120	Skt. HD. cap scr.	2	M8×12
155	A43JJ00M080	Spring LK. washer	2	M8
156	41714855590	Spacer	1	
157				
158				
159	11714855140	Oil pan	1	
160	H3600001S20	Skt. pipe plug	1	PT1/2

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## FLEX-3 EQUIPMENT ASS'Y

List No. 51714701100

No.	Parts No.	Parts name	Q'ty	Remarks
161	41559200371	Shaft	6	
162	41559200360	Roller	6	
163	A38000E0150	Retain ring (E type)	6	E15
164	41714855160	Filter	1	
165	41714855170	Filter	1	
166	41714855180	Cover	1	
167	A06CB060100	Skt. HD. cap scr.	5	M6×10
168	41714844330	Cover	1	
169	A06CB060080	Skt. HD. cap scr.	4	M6×8
170	31714844320	Plate	1	
171	31714844311	Seal cover	1	
172	A06CB060100	Skt. HD. cap scr.	2	M6×10
173	A41JJ00M060	Washer	2	M6
174	G29KH000330	Oil gauge	1	AP-1-73(KOHO)
175	Z16JF000320	Grip	1	KS-25×25(IMAO)
176	31714844501	Wiper	1	
177	21714844491	Plate	1	
178	11714844481	Plate	1	
179	A06CB060100	Skt. HD. cap scr.	24	M6×10
180	31734851820	Packing	1	
181	41714844940	Packing	1	
182	21714847310	Oil pan	1	
183	A06CB080160	Skt. HD. cap scr.	4	M8×16
184	A41JJ00M080	Washer	4	M8
185	11714844910	Protector	1	H side 1000
186	A06CB080160	Skt. HD. cap scr.	5	M8×16
187	A41JJ00M080	Washer	5	M8
188	11714844900	Protector	1	TL side 1000
189	A06CB080250	Skt. HD. cap scr.	3	M8×25
190	A41JJ00M080	Washer	3	M8
191	A06CB080140	Skt. HD. cap scr.	4	M8×14
192	A43JJ00M080	Spring LK. washer	4	M8
193	A06CB080120	Skt. HD. cap scr.	2	M8×12
194	A43JJ00M080	Spring LK. washer	2	M8
195	21714850870	Duct	1	
196	A16A06X0100	Round HD. cap scr.	12	M6×10
197	A41JJ00M060	Washer	12	M6
198	31714847000	Bracket	1	
199	A06CB060100	Skt. HD. cap scr.	5	M6×10
200	A41JJ00M060	Washer	5	M6

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## FLEX-3 EQUIPMENT ASS'Y

List No. 51714701100

No.	Parts No.	Parts name	Q'ty	Remarks
201	21714850680	Cover	1	
202	A06CB040100	Skt. HD. cap scr.	6	M4×10
203	A41JJ00M040	Washer	6	M4
204				
205				
206	Z11TU001260	Hinge	1	B-562(U type)(TAKIGEN)
207	Z11TU001270	Hinge	2	B-508-14(TAKIGEN)
208	Z12TU000010	Magnet catch	1	C-54-1(TAKIGEN)
209	31710137220	Bracket	1	
210	41714851490	Plate	1	
211	A06CB060100	Skt. HD. cap scr.	4	M6×10
212	A41JJ00M060	Washer	4	M8
213	41714851500	Plate	1	
214	A06CB080100	Skt. HD. cap scr.	4	M8×10
215	A41JJ00M080	Washer	4	M8
216	31414848250	Handle	2	
217	41414848260	Cover	2	
218	41414848270	Packing	2	
219	J06KRW03000	Seal washer	8	
220	A25AD030160	Round HD. cap scr.	8	M3×16
221	31714846440	Plate	1	
222	A16A04X0080	Round HD. cap scr.	6	M4×8
223	Z21TU000540	Gromet	2	C-30-SG-42A(TAKIGEN)
224				
225				
226	41734851741	Plate	1	
227	A06CB060080	Skt. HD. cap scr.	10	M6×8
228	A41JJ00M060	Washer	10	M6
229	41734851840	Plate	1	
230	A06CB050080	Skt. HD. cap scr.	4	M5×8
231	31714853420	Bracket	1	
232	41714853430	Shaft	1	
233				
234	E0006201ZZ0	Radial ball bearing	2	6201ZZ (NTN)
235	A15B04X0100	Skt. set scr.	1	M4×10(Flat p.)
236				
237				
238	41714853270	Plate	1	
239	A16B06X0100	Flat HD. cap scr.	4	M6×10
240	21714853692	Cover	1	

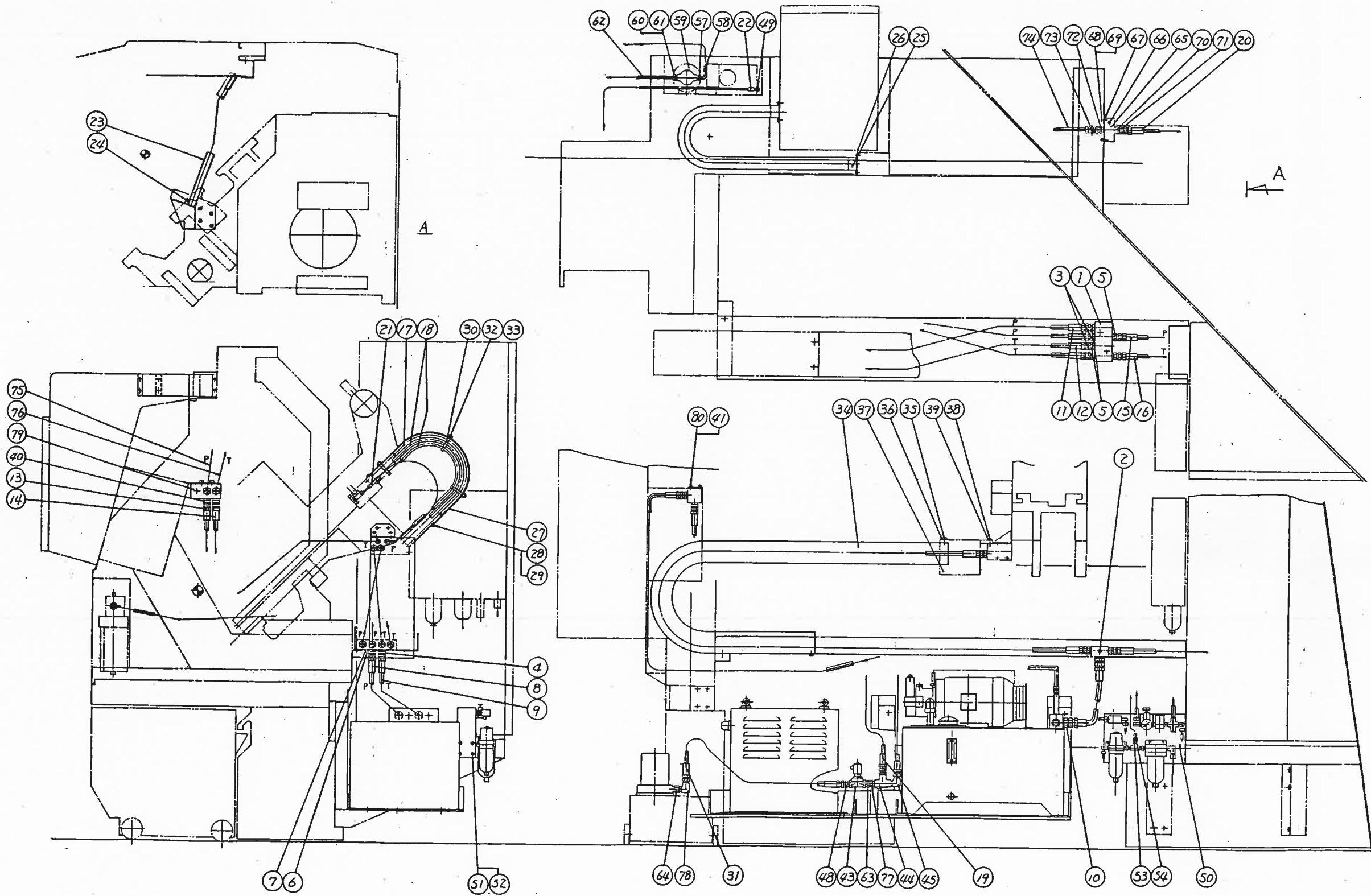
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## FLEX-3 EQUIPMENT ASS'Y

List No. 51714701100

No.	Parts No.	Parts name	Q'ty	Remarks
241	A06CB060100	Skt. HD. cap scr.	2	M6×10
242	A41JJ00M060	Washer	2	M6
243	41714853740	Plate	1	
244	A06CB060080	Skt. HD. cap scr.	1	M6×8
245	A41JJ00M060	Washer	1	M6
246	41714855600	Packing	1	
247	41714856000	Packing	1	
248	41714856010	Packing	1	
249	41714856020	Plate	1	
250	A06CB050100	Skt. HD. cap scr.	3	M5×10
251	A41JJ00M050	Washer	3	M5
252	A16B03X0050	Flat HD. cap scr.	5	M3×5
253	A06CB050100	Skt. HD. cap scr.	4	M5×10
301	11714013140	Bracket	1	
302	A06CB120450	Skt. HD. cap scr.	6	M12×45
303	31714844612	Bracket	1	
304	A06CB080160	Skt. HD. cap scr.	4	M8×16
305				
306	A16C06X0100	Round HD. cap scr.	3	M6×10
307	A41TU0KM060	Washer	3	M6
308	A06CB060120	Skt. HD. cap scr.	1	M6×12
309	A41JJ00M060	Washer	1	M6
310	21714844593	Cover	1	
311				
312				
313				
314	19253101210	Bracket	1	
315	A06CB120550	Skt. HD. cap scr.	4	M12×55
316	A15B08X0100	Skt. set scr.(Flat p.)	2	M8×10
317	49223100940	Pin	1	
318	A06CB060120	Skt. HD. cap scr.	4	M6×12
319	A41JJ00M060	Washer	4	M6
320	11714852440	Cover	1	
321	21714852451	Cover	1	
322	21714853000	Bracket	1	
323	A06CB080300	Skt. HD. cap scr.	1	M8×30

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<b>Mazak</b>	SPECIFICATION APPLY :	(1000U, 1500U)	ASSEMBLY NAME :	WIRING AND PIPING ASS'Y	Page
			DRAWING NO :	017152A0030	11-1

## WIRING AND PIPING ASS'Y (1000U)

Unit No. 51715200400

No.	Parts No.	Parts Name	Q'ty	Remarks
1	21715233721	Block	1	Terminal block
2	H3600003S80	Skt. pipe plug	4	PT3/8
3	H23NN000700	Bushing	2	BUT3/8×1/4
4	H28TQ120040	Adapter	2	12-0404 (TOKAI)
5	H28TQ120060	Adapter	4	12-0606 (TOKAI)
6	A06CB060150	Skt. HD. cap scr.	2	M6×15
7	A41JJ00M060	Washer	2	M6
8	41715233741	Hose	1	Hyd. unit+Terminal block P 70-12×500
9	41715233731	Hose	1	Hyd. unit+Terminal block T 15-12×500
10	H28TQ120060	Adapter	2	12-0606 (Hyd. unit) (TOKAI)
11	41615231771	Hose	1	Unit→Carriage P 70-9×2770
12	41715235080	Hose	1	Unit→Carriage T 70-9×2770
13	41725234731	Hose	1	Unit→Tailstock P
14	41725234741	Hose	1	Unit→Tailstock T
15	41715235070	Hose	1	Unit→Bed P 70-9×2200
16	41715235060	Hose	1	Unit→Bed T 70-9×2200
17	41715235090	Hose	1	Carriage→Cross P 70×9×830
18	41715235100	Hose	2	Carriage→Cross T.C 15×9×830
19	41725034780	Hose	2	Coolant valve-Head, Carriage 15-9×4000
20	41725234790	Hose	1	Coolant pump-Coolant valve 15-12×2000
21	41715235050	Hose	1	L:830 Wire blade (DAIWA)
22	41715235040	Hose	1	L:2600 Wire blade (DAIWA)
23		Spring hose	1	S25×800
24	H25UY000090	Hose band	1	SD-1038 (SUGITA VALVE)
25	L01TR002480	Flex cable	1	TKF085-R100-43L-C (TSUBAKI)
26	A06CB060160	Skt. HD. cap scr.	6	M6×16
27	41715233830	Spring	1	X Plate spring
28	A06CB060120	Skt. HD. cap scr.	4	M6×12
29	A41JJ00M060	Plain washer	4	M6
30	41715233990	Supporter	3	
31	41715237070	Supporter	2	
32	A40JJ00M050	Hex. nut	10	M5
33	A41JJ00M050	Plain washer	10	M5
34	L01TR002490	Flex cable	1	TKF175-R185-47L-A (TSUBAKI)
35	A06CB080100	Skt. HD. cap scr.	4	M8×10

## WIRING AND PIPING ASS'Y (1000U)

Unit No. 51715200400

No.	Parts No.	Parts Name	Q'ty	Remarks
36	A43JJ00M080	Spring LK. washer	4	M8
37	31725234711	Bracket	1	
38	A06CB060200	Skt. HD. cap scr.	3	M6×20
39	A41JJ00M060	Plain washer	3	M6
40	H28TQ120040	Adapter	4	12-0404 Tail block (TOKAI)
41	A41JJ00M060	Plain washer	2	M6
42	H01N0003S80	Nipple	2	NS PT3/8
43	G50SV001780	Solenoid valve	1	VPW-2145-041C-F (SHOKETSU)
44				
45	H28TQ130060	Adapter	2	12-0808 (TOKAI)
46				
47				
48	H28TQ120080	Adapter	2	12-0808 (TOKAI)
49	G23ZH000580	Pressure switch	1	1kg/cm <sup>2</sup> (TOKAI RIKA)
50	G55SV000651	Air set	1	(SHOKETSU)
51	A06CB080160	Skt. HD. cap scr.	2	M8×16
52	A41JJ00M080	Plain washer	2	M8
53	H14SV000260	Half union	1	H10-03 (SHOKETSU)
54		Nylon tube	1	φ10×4000 (SHOKETSU)
55				
56				
57	H14SV000240	Half union	1	H08-02 (SHOKETSU)
58		Nylon tube	1	φ8×5000 (SHOKETSU)
59	G46SV000570	Micro mist rubricator	1	AL430-02-1S-2 (SHOKETSU)
60	H14SV000240	Half union	1	H08-02 (SHOKETSU)
61	H14SV000540	Elbow union	1	DL06-02 (SHOKETSU)
62		Nylon tube	1	φ6×4000 (SHOKETSU)
63	41715237060	Bracket	1	
64	A06CB080160	Skt. HD. cap scr.	2	M8×16
65	31445229140	Manifold	1	Bed coolant
66	H3600001S40	Skt. pipe plug	5	PT1/4
67	41445229150	Packing	1	
68	A06CB060120	Skt. HD. cap scr.	4	M6×12
69	A41JJ00M060	Plain washer	4	M6
70	H23NN000720	Bushing	1	BUT1/2×3/8
71	H28TQ120060	Adapter	1	12-0606 (TOKAI)
72	H23NN003400	Nipple	1	NS-T1/2×3/8
73	G14FJ000220	Valve	1	DH-11C (FUKIKIN)
74	G40FN000100	Nozzle	1	FN-6BH-200 (FUJI SHOTEN)

## WIRING AND PIPING ASS'Y (1000U)

Unit No. 51715200400

No.	Parts No.	Parts Name	Q'ty	Remarks
75	41725234751	Hose	1	Ternubak block-Tail block 70-6×2500
76	41725234761	Hose	1	Terminal block-Tail block 15-6×2800
77				
78				
79	31725234690	Block	1	Tail block
80	A06CB060150	Skt. HD. cap scr.	2	M6×15

## WIRING AND PIPING ASS'Y (1500U)

Unit No. 51715200500

No.	Parts No.	Parts Name	Q'ty	Remarks
1	21715233721	Block	1	Terminal block
2	H3600003S80	Skt. pipe plug	4	PT3/8
3	H23NN000700	Bushing	2	BUT3/8×1/4
4	H28TQ120040	Adapter	2	12-0404 (TOKAI)
5	H28TQ120060	Adapter	4	12-0606 (TOKAI)
6	A06CB060150	Skt. HD. cap scr.	2	M6×15
7	A41JJ00M060	Washer	2	M6
8	41715233741	Hose	1	Hyd. unit+Terminal block P 70-12×500
9	41715233731	Hose	1	Hyd. unit+Terminal block T 15-12×500
10	H28TQ120060	Adapter	2	12-0606 (Hyd. unit) (TOKAI)
11	41615231771	Hose	1	Unit→Carriage P 70-9×2770
12	41715235080	Hose	1	Unit→Carriage T 70-9×2770
13	41715236281	Hose	1	Unit→Tailstock P
14	41715236291	Hose	1	Unit→Tailstock T
15	41715235070	Hose	1	Unit→Bed P 70-9×2200
16	41715235060	Hose	1	Unit→Bed T 70-9×2200
17	41715235090	Hose	1	Carriage→Cross P 70×9×830
18	41715235100	Hose	2	Carriage→Cross T.C 15×9×830
19	41725034780	Hose	2	Coolant valve-Head, Carriage 15-9×4000
20	41715236300	Hose	1	Coolant valve-Head 15-9×4500
21	41715235050	Hose	1	L:830 Wire blade (DAIWA)
22	41715235040	Hose	1	L:2600 Wire blade (DAIWA)
23		Spring hose	1	S25×800
24	H25UY000090	Hose band	1	SD-1038 (SUGITA VALVE)
25	L01TR002540	Flex cable	1	TKF085-R100-56L-C (TSUBAKI)
26	A06CB060160	Skt. HD. cap scr.	6	M6×16
27	41715233830	Spring	1	X Plate spring
28	A06CB060120	Skt. HD. cap scr.	4	M6×12
29	A41JJ00M060	Plain washer	4	M6
30	41715233990	Supporter	3	
31	41725234790	Supporter	2	Coolant pump-Coolant valve 15-12×2000
32	A40JJ00M050	Hex. nut	10	M5
33	A41JJ00M050	Plain washer	10	M5
34	L01TR002500	Flex cable	1	TKF175-R185-56L-A (TSUBAKI)
35	A06CB080100	Skt. HD. cap scr.	4	M8×10

## WIRING AND PIPING ASS'Y (1500U)

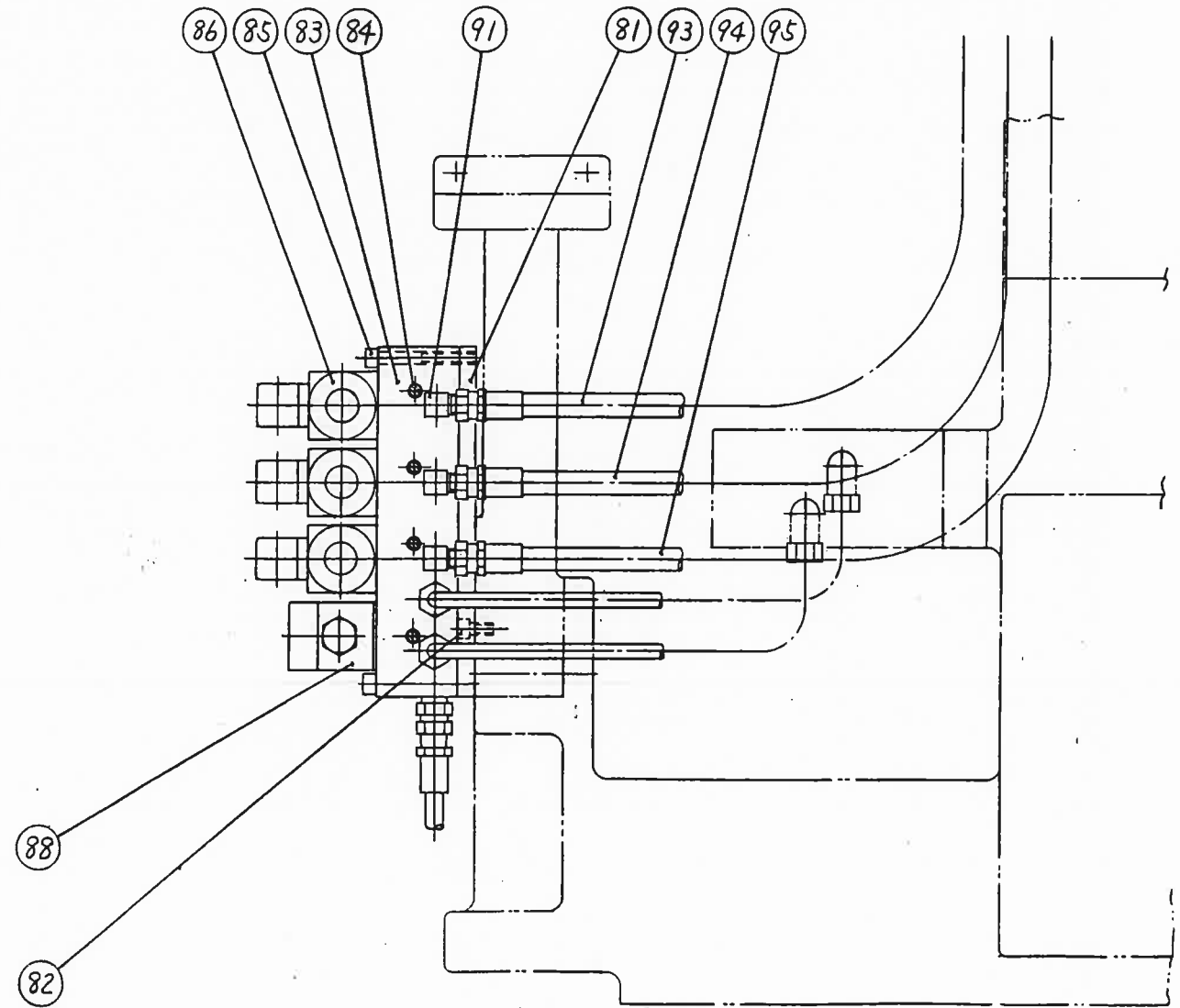
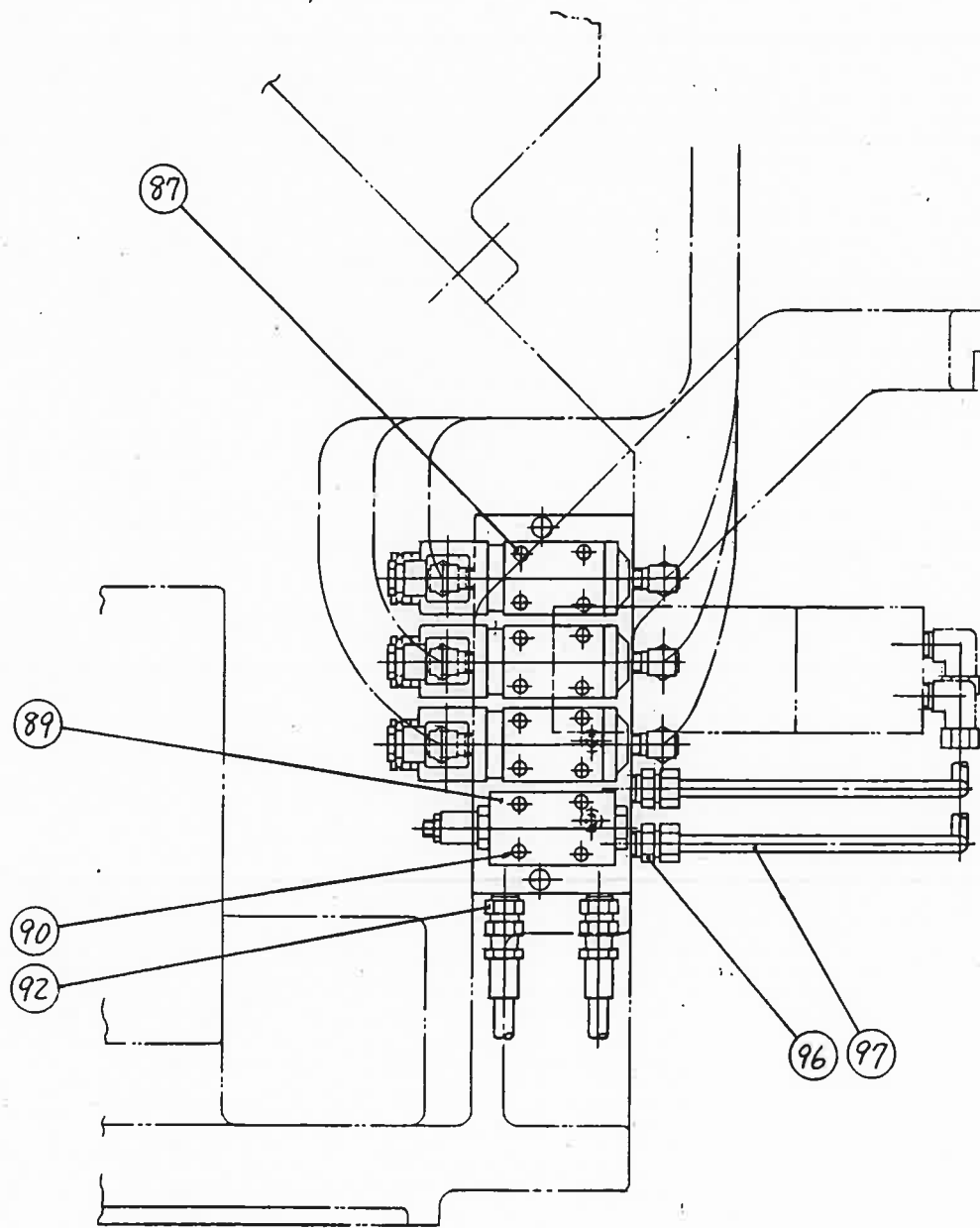
Unit No. 51715200500

No.	Parts No.	Parts Name	Q'ty	Remarks
36	A43JJ00M080	Spring LK. washer	4	M8
37	31725234711	Bracket	1	
38	A06CB060200	Skt. HD. cap scr.	3	M6×20
39	A41JJ00M060	Plain washer	3	M6
40	H28TQ120040	Adapter	4	12-0404 Tail block (TOKAI)
41	A41JJ00M060	Plain washer	2	M6
42	H01N0003S80	Nipple	2	NS PT3/8
43	G50SV001780	Solenoid valve	1	VPW-2145-041C-F (SHOKETSU)
44				
45	H28TQ130060	Adapter	2	12-0808 (TOKAI)
46				
47				
48	H28TQ120080	Adapter	2	12-0808 (TOKAI)
49	G23ZH000580	Pressure switch	1	1kg/cm <sup>2</sup> (TOKAI RIKAI)
50	G55SV000651	Air set	1	(SHOKETSU)
51	A06CB080160	Skt. HD. cap scr.	2	M8×16
52	A41JJ00M080	Plain washer	2	M8
53	H14SV000260	Half union	1	H10-03 (SHOKETSU)
54		Nylon tube	1	φ10×4000 (SHOKETSU)
55	41715237060	Bracket	1	
56	A06CB080160	Skt. HD. cap scr.	2	M8×16
57	H14SV000240	Half union	1	H08-02 (SHOKETSU)
58		Nylon tube	1	φ8×5000 (SHOKETSU)
59	G46SV000570	Micro mist rubricator	1	AL430-02-1S-2 (SHOKETSU)
60	H14SV000240	Half union	1	H08-02 (SHOKETSU)
61	H14SV000540	Elbow union	1	DL06-02 (SHOKETSU)
62		Nylon tube	1	φ6×4000 (SHOKETSU)
63	41715237060	Bracket	1	
64	A06CB080160	Skt. HD. cap scr.	2	M8×16
65	31445229140	Manifold	1	Bed coolant
66	H3600001S40	Skt. pipe plug	5	PT 1/4
67	41445229150	Packing	1	
68	A06CB060120	Skt. HD. cap scr.	4	M6×12
69	A41JJ00M060	Plain washer	4	M6
70	H23NN000720	Bushing	1	BUT1/2×3/8
71	H28TQ120060	Adapter	1	12-0808 (TOKAI)
72	H23NN003400	Nipple	1	NS-T1/2×3/8
73	G14FJ000220	Valve	1	DH-11C (FUKIKIN)
74	G40FN000100	Nozzle	1	FN-6BH-200 (FUJI SHOTEN)

## WIRING AND PIPING ASS'Y (1500U)

Unit No. 51715200500

No.	Parts No.	Parts Name	Q'ty	Remarks
75	41725234751	Hose	1	Ternubak block-Tail block 70-6×2500
76	41725234761	Hose	1	Terminal block-Tail block 15-6×2800
77				
78				
79	31725234690	Block	1	Tail block
80	A06CB060150	Skt. HD. cap scr.	2	M6×15

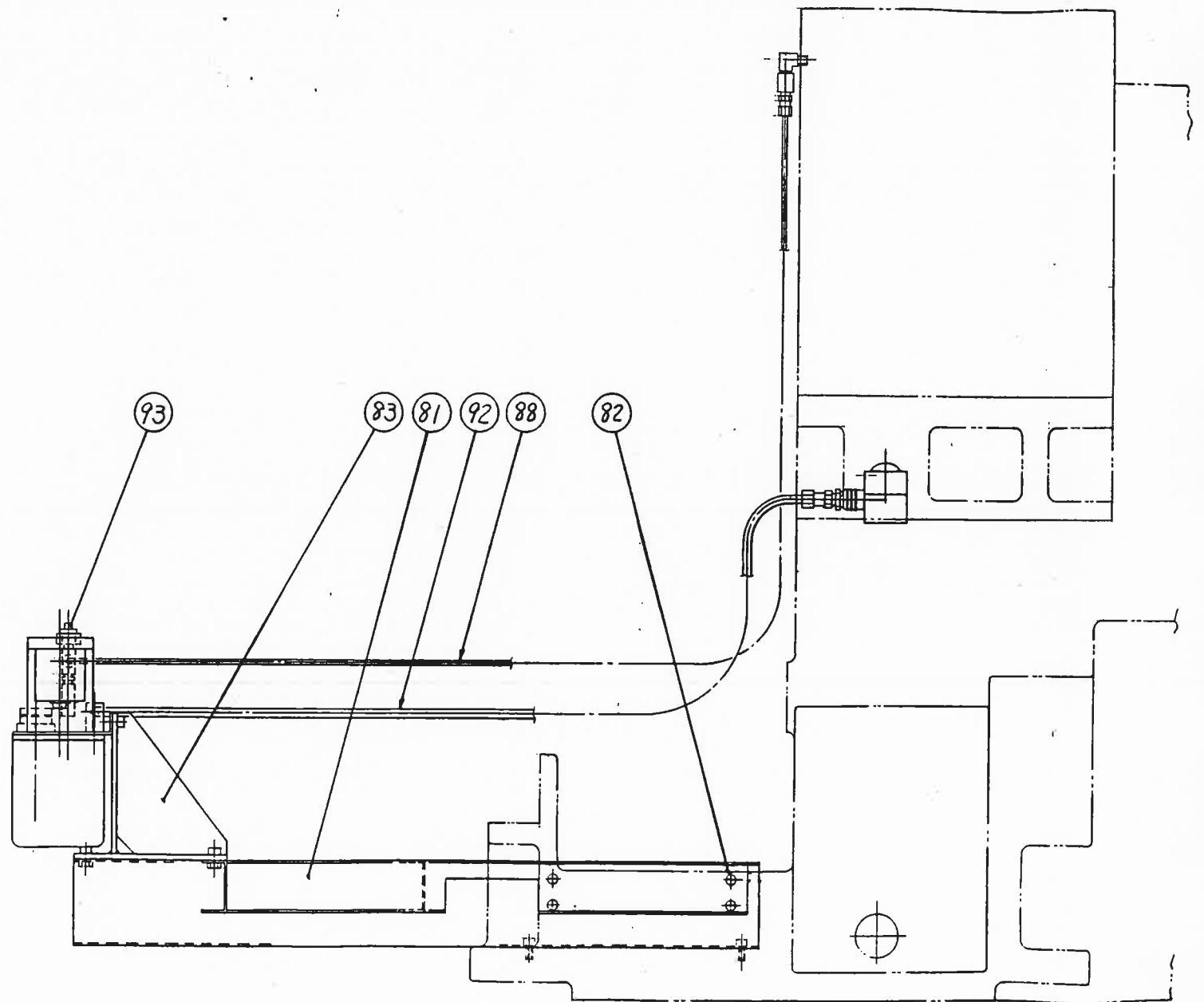
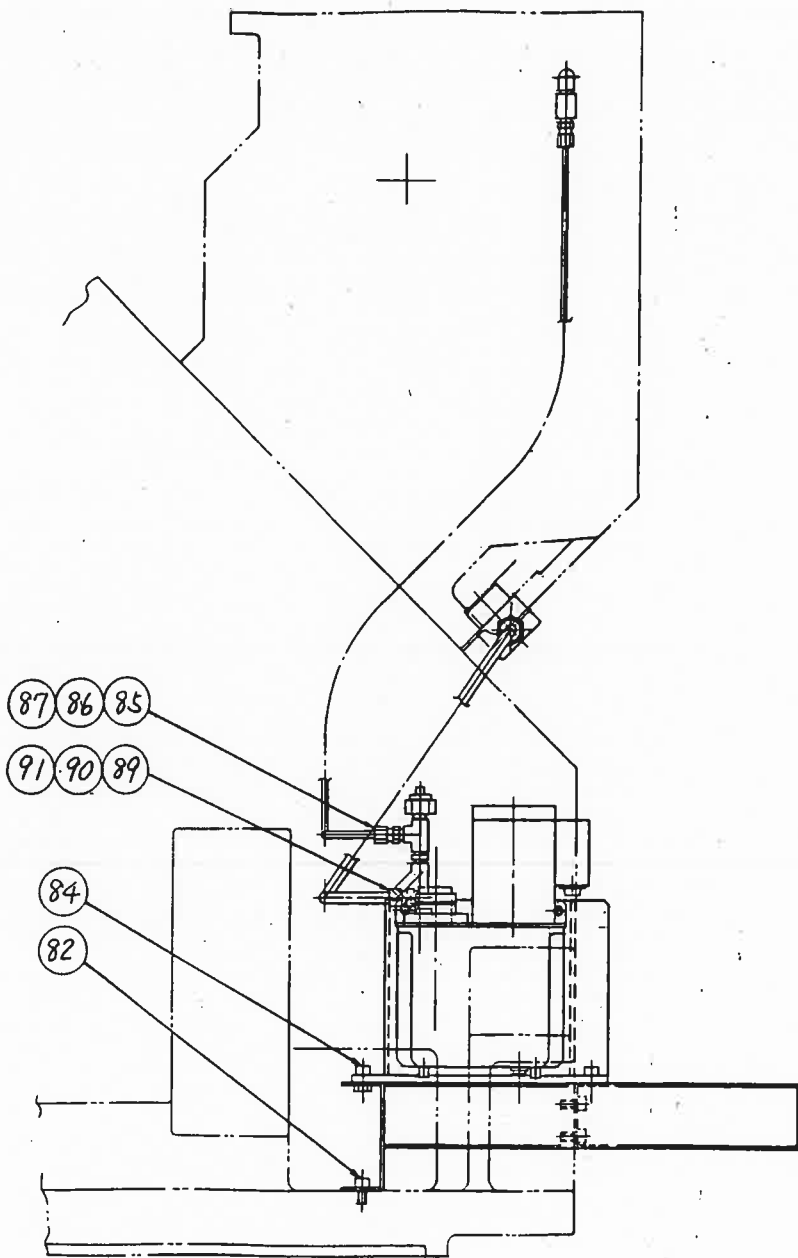




## WIRING AND PIPING ASS'Y (1000U, 1° Index)

Unit No. 51725200100

No.	Parts No.	Parts Name	Q'ty	Remarks
81	31725233860	Plate	1	
82	A06CB080160	Skt. HD. cap scr.	2	M8×16
83	21725235150	Manifold	1	(DENSBER)
84	H3600001S80	Skt. HD. cap scr.	11	PT1/8
85	A06CB080650	Skt. HD. cap scr.	2	M8×65
86	G16FH000320	Sol. valve	3	SA-G01-A3X-C1-11(NACHI)
87	A06CB050450	Skt. HD. cap scr.	12	M5×45
88	G17FH000560	Flow regulator	1	OCY-G01-A-X-11(NACHI)
89	31725233870	Block	1	(DENSBER)
90	A06CB050700	Skt. HD. cap scr.	4	M5×70
91	H28TQ130040	Adapter	6	13-0404 (TOUKAI)
92	H28TQ120060	Adapter		2 12-0606 (TOUKAI)
93	41725233880	Hose	2	
94	41725233890	Hose	2	
95	41725233900	Hose	2	
96	H23NN000370	Nipple	2	PA8PT3/8
97		Sus pipe	1	φ8×1200
98	H14SV000240	Half union	1	H08-02 (SYOUKETU)
99		Nylon tube	1	φ8×3000 (SYOUKETU)



## WIRING AND PIPING ASS'Y (1000U)

Unit No. 51735200100

No.	Parts No.	Parts Name	Q'ty	Remarks
1	21715233721	Block	1	Terminal block
2	H3600003S80	Skt. pipe plug	4	PT 3/8
3	H23NN000700	Bushing	2	BUT3/8×1/4
4	H28TQ120040	Adapter	2	12-0404 (TOKAI)
5	H28TQ120060	Adapter	4	12-0606 (TOKAI)
6	A06CB060150	Skt. HD. cap scr.	2	M6×15
7	A41JJ00M060	Washer	2	M6
8	41715233741	Hose	1	Hyd. unit+Terminal block P 70-12×500
9	41715233731	Hose	1	Hyd. unit+Terminal block T 15-12×500
10	H28TQ120060	Adapter	2	12-0606 (Hyd. unit) (TOKAI)
11	41615231771	Hose	1	Unit→Carriage P 70-9×2770
12	41715235080	Hose	1	Unit→Carriage T 70-9×2770
13	41725234731	Hose	1	Unit→Tailstock P
14	41725234741	Hose	1	Unit→Tailstock T
15	41715235070	Hose	1	Unit→Bed P 70-9×2200
16	41715235060	Hose	1	Unit→Bed T 70-9×2200
17	41715235090	Hose	1	Carriage→Cross P 70×9×830
18	41715235100	Hose	2	Carriage→Cross T.C 15×9×830
19	41725034780	Hose	2	Coolat valve-Head, Carriage 15-9×4000
20	41725234790	Hose	1	Coolant pump-Coolant valve 15-12×2000
21	41715235050	Hose	1	L:830 Wire blade (DAIWA)
22	41715235040	Hose	1	L:2600 Wire blade (DAIWA)
23		Spring hose	1	S25×800
24	H25UY000090	Hose band	1	SD-1038 (SUGITA VALVE)
25	L01TR002480	Flex cable	1	TKF085-R100-43L-C (TSUBAKI)
26	A06CB060160	Skt. HD. cap scr.	6	M6×16
27	41715233830	Spring	1	X Plate spring
28	A06CB060120	Skt. HD. cap scr.	4	M6×12
29	A41JJ00M060	Plain washer	4	M6
30	41715233990	Supporter	3	
31	41715237070	Supporter	2	
32	A40JJ00M050	Hex. nut	10	M5
33	A41JJ00M050	Plain washer	10	M5
34	L01TR002490	Flex cable	1	TKF175-R185-47L-A (TSUBAKI)
35	A06CB080100	Skt. HD. cap scr.	4	M8×10

## WIRING AND PIPING ASS'Y (1000U)

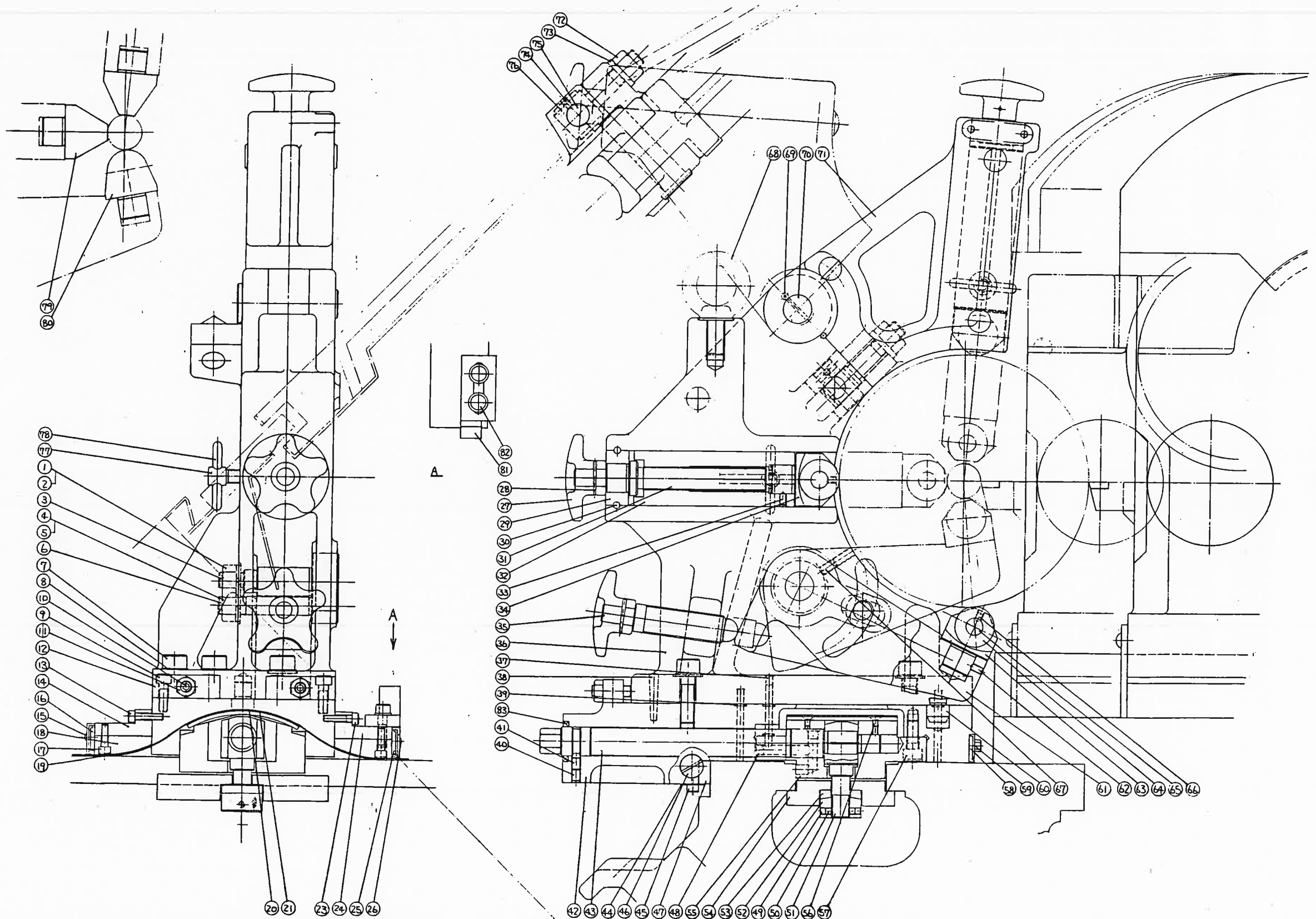
Unit No. 51735200100

No.	Parts No.	Parts Name	Q'ty	Remarks
36	A43JJ00M080	Spring LK. washer	4	M8
37	31725234711	Bracket	1	
38	A06CB060200	Skt. HD. cap scr.	3	M6×20
39	A41JJ00M060	Plain washer	3	M6
40	H28TQ120040	Adapter	4	12-0404 Tail block (TOKAI)
41	A41JJ00M060	Plain washer	2	M6
42	H01N0003S80	Nipple	2	NS PT3/8
43	G50SV001780	Solenoid valve	1	VPW-2145-041C-F (SHOKETSU)
44				
45	H28TQ130060	Adapter	2	12-0808 (TOKAI)
46				
47				
48	H28TQ120080	Adapter	2	12-0808 (TOKAI)
49	G23ZH000580	Pressure switch	1	1kg/cm <sup>2</sup> (TOKAI RIKA)
50	G55SV000651	Air set	1	(SHOKETSU)
51	A06CB080160	Skt. HD. cap scr.	2	M8×16
52	A41JJ00M080	Plain washer	2	M8
53	H14SV000260	Half union	1	H10-03 (SHOKETSU)
54		Nylon tube	1	φ10×4000 (SHOKETSU)
55				
56				
57	H14SV000240	Half union	1	H08-02 (SHOKETSU)
58		Nylon tube	1	φ8×5000 (SHOKETSU)
59	G46SV000570	Micro mist rubricator	1	AL430-02-1S-2 (SHOKETSU)
60	H14SV000240	Half union	1	H08-02 (SHOKETSU)
61	H14SV000540	Elbow union	1	DL06-02 (SHOKETSU)
62		Nylon tube	1	φ6×4000 (SHOKETSU)
63	41715237060	Bracket	1	
64	A06CB080160	Skt. HD. cap scr.	2	M8×16
65	31445229140	Manifold	1	Bed coolant
66	H3600001S40	Skt. pipe plug	5	PT 1/4
67	41445229150	Packing	1	
68	A06CB060120	Skt. HD. cap scr.	4	M6×12
69	A41JJ00M060	Plain washer	4	M6
70	H23NN000720	Bushing	1	BUT1/2×3/8
71	H28TQ120060	Adapter	1	12-0606 (TOKAI)
72	H23NN003400	Nipple	1	NS-T1/2×3/8
73	G14FJ000220	Valve	1	DH-11C (FUKIKIN)
74	G40FN000100	Nozzle	1	FN-6BH-200 (FUJI SHOTEN)

## WIRING AND PIPING ASS'Y (1000U)

Unit No. 51735200100

No.	Parts No.	Parts Name	Q'ty	Remarks
75	41725234751	Hose	1	Block-teilblock 70-6×2500
76	41725234761	Hose	1	Block-teilblock 15-6×2800
77				
78				
79	31725234690	Block	1	Teelblock
80	A06CB060150	Skt. HD. cap scr.	2	M6×15
81	11744211262	Bracket	1	
82	A06CB080160	Skt. HD. cap scr.	6	M8×16
83	21735236750	Bracket 1		
84	A06CB080160	Skt. HD. cap scr.	3	M8×16
85	H10SF00PA40	Bushing	1	PA4 (SEIWA)
86	H10SF00AL40	Sleebe	1	PB4 (SEIWA)
87		Tubing insert	1	AL4 (SEIWA)
88		Tubu	1	φ4×2000
89	H10SF0PA100	Bushing	1	PA10 (SEIWA)
90	H10SF0PB100	Sleeve	1	PB10 (SEIWA)
91	H10SFOAL100	Tubing insert	1	AL10 (SEIWA)
92		Tubu	1	φ10×2000
93	G23ZH000580	Pressure sw	1	1Kg/cm <sup>2</sup> (TOUKAI)



**Mazak**

SPECIFICATION APPLY : (Roller follower, Oiles follower)  
( $\phi 30 \sim \phi 70$ )

ASSEMBLY NAME : FIXED STEADY REST ASS'Y  
DRAWING NO : 017186A0010

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## FIXED STEADY REST ASS'Y (ROLLER FOLLOWER) (φ 30~φ 170)

List No. 51718600200

No.	Parts No.	Parts name	Q'ty	Remarks
1	A40JJ00M160	Hex. nut	1	M16
2	A43JJ00M160	Spring LK. washer	1	M16
3	41568608720	Shaft	1	
4	A40JJ00M160	Hex. nut	1	M16
5	A43JJ00M160	Spring LK. washer	1	M16
6	41568608730	Bolt	1	
7	A17HB12X400	Hex. HD. cap scr.	6	M12×40
8	A43JJ00M120	Spring LK. washer	6	M12
9	A06CB080250	Skt. HD. cap scr.	4	M8×25
10	A15B10X0350	Skt. set scr.	2	M10×35 (Flat p.)
11	A40JJ00M100	Hex. nut	2	M10
12	41578604440	Adjusting block	2	
13	A06CB060250	Skt. HD. cap scr.	4	M6×25
14	31718619980	Cover (H)	1	
15	A16A06X0200	Round HD. cap scr.	6	M6×20
16	31718619960	Wiper (H)	1	
17	A06CB060200	Skt. HD. cap scr.	4	M6×20
18	41718619910	Supporter	2	
19	41718619930	Liner	2	
20	41718619940	Supporter	1	
21	41718619950	Liner	1	
22				
23	A06CB060250	Skt. HD. cap scr.	2	M6×25
24	31718619990	Cover (TL)	1	
25	31718619970	Wiper (TL)	1	
26	A16A06X0200	Round HD. cap scr.	6	M6×20
27	41118600200	Grip	3	
28	A11F03X0300	Taper pin (Tap e.)	3	φ 3×30
29	41118600150	Bush	2	
30	A11F06X0600	Taper pin (Tap e.)	4	φ 6×60
31	41718630310	Shaft	2	
32	41718630320	Sleeve	2	
33	A15C06X0100	Skt. set scr.	2	M6×10 (Cone p.)
34	41118600110	Holder	2	
35	41568608710	Screw shaft	1	
36	11718630280	Bracket	1	
37	G41ML000080	Oil cup	3	1/4
38	A11F08X0400	Taper pin (Tap e.)	1	φ 8×40
39	J2600P00800	O-ring	4	P8
40	A15B08X0100	Skt. set scr.	1	M8×10 (Flat p.)

## FIXED STEADY REST ASS'Y (ROLLER FOLLOWER) (φ 30~φ 170)

List No. 51718600200

No.	Parts No.	Parts name	Q'ty	Remarks
41	A15A08X0100	Skt. set scr.	1	M8×10 (Dog p.)
42	11718630300	Base	1	
43	31718630330	Shaft	1	
44	41553707030	Washer	2	
45	A06CB060080	Skt. HD. cap scr.	2	M6×8
46	41111500590	Adjusting bolt	2	
47	41568603060	Gib	1	
48	H3600001S80	Skt. pipe plug	3	PT 1/8
49	A15B06X0060	Skt. set scr.	4	M6×6 (Flat p.)
50	41531509750	Pin	4	
51	41568603040	Nut	1	
52	41563709090	Nut	1	
53	41563709100	Washer	1	
54	41718619900	Plate	1	
55	21718619850	Bracket	1	
56	A16B05X0060	Flat HD. cap scr.	2	M5×6
57	A06CB100250	Skt. HD. cap scr.	4	M10×25
58	41568603070	Wiper	1	
59	A17HF060120	Hex. HD. cap scr.	2	M6×12
60	41111501370	Knock pin	1	
61	31718630340	Bracket	1	
62	A15C06X0100	Skt. set scr.	1	M6×10 (Cone p.)
63	41568608760	Holder	1	
64	E00NUTR2020	Roller follower	3	NUTR202 (NTN)
65	41118600120	Roller shaft	3	
66	A15C06X0060	Skt. set scr.	3	M6×6 (Cone p.)
67	A15B08X0150	Skt. set scr.	1	M8×15 (Flat p.)
68	A04JJ000040	Eye bolt	1	M16
69	A09003X0350	Pin	1	φ 3×35
70	41118600180	Shaft	1	
71	21718630350	Bracket	1	
72	A40JJ00M160	Hex. nut	1	M16 P=2.0
73	41568608750	C-Washer	1	
74	A15C06X0100	Skt. set scr.	1	M6×10 (Cone p.)
75	41568608740	Pin	1	
76	41118600160	Bolt	1	
77	41118600190	Bolt	2	
78	41118600210	Pin	2	
79				
80				

## FIXED STEADY REST ASS'Y (ROLLER FOLLOWER) (φ 30~φ 170)

List No. 51718600200

No.	Parts No.	Parts name	Q'ty	Remarks
81	41718619880	Bracket	1	
82	A06CB080200	Skt. HD. cap scr.	2	M8×20
83	J02DG253540	Oil seal	1	GD25×35×4(NTN)
84	41718631770	Plate	1	
85	A06CB120180	Skt. HD. cap scr.	2	M12×18

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## FIXED STEADY REST ASS'Y (OILES FOLLOWER) (φ 30~φ 170)

List No. 51718600300

No.	Parts No.	Parts name	Q'ty	Remarks
1	A40JJ00M160	Hex. nut	1	M16
2	A43JJ00M160	Spring LK. washer	1	M16
3	41568608720	Shaft	1	
4	A40JJ00M160	Hex. nut	1	M16
5	A43JJ00M160	Spring LK. washer	1	M16
6	41568608730	Bolt	1	
7	A17HB12X400	Hex. HD. cap scr.	6	M12×40
8	A43JJ00M120	Spring LK. washer	6	M12
9	A06CB080250	Skt. HD. cap scr.	4	M8×25
10	A15B10X0350	Skt. set scr.	2	M10×35 (Flat p.)
11	A40JJ00M100	Hex. nut	2	M10
12	41578604440	Adjusting block	2	
13	A06CB060250	Skt. HD. cap scr.	4	M6×25
14	31718619980	Cover (H)	1	
15	A16A06X0200	Round HD. cap scr.	6	M6×20
16	31718619960	Wiper (H)	1	
17	A06CB060200	Skt. HD. cap scr.	4	M6×20
18	41718619910	Supporter	2	
19	41718619930	Liner	2	
20	41718619940	Supporter	1	
21	41718619950	Liner	1	
22				
23	A06CB060250	Skt. HD. cap scr.	2	M6×25
24	31718619990	Cover (TL)	1	
25	31718619970	Wiper (TL)	1	
26	A16A06X0200	Round HD. cap scr.	6	M6×20
27	41118600200	Grip	3	
28	A11F03X0300	Taper pin (Tap e.)	3	φ 3×30
29	41118600150	Bush	2	
30	A11F06X0600	Taper pin (Tap e.)	4	φ 6×60
31	41718630310	Shaft	2	
32	41718630320	Sleeve	2	
33	A15C06X0100	Skt. set scr.	2	M6×10 (Cone p.)
34				
35	41568608710	Screw shaft	1	
36	11718630280	Bracket	1	
37	G41ML000080	Oil cup	3	1/4
38	A11F08X0400	Taper pin (Tap e.)	1	φ 8×40
39	J2600P00800	O-ring	4	P8
40	A15B08X0100	Skt. set scr.	1	M8×10 (Flat p.)

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## FIXED STEADY REST ASS'Y (OILES FOLLOWER) (φ 30~φ 170)

List No. 51718600300

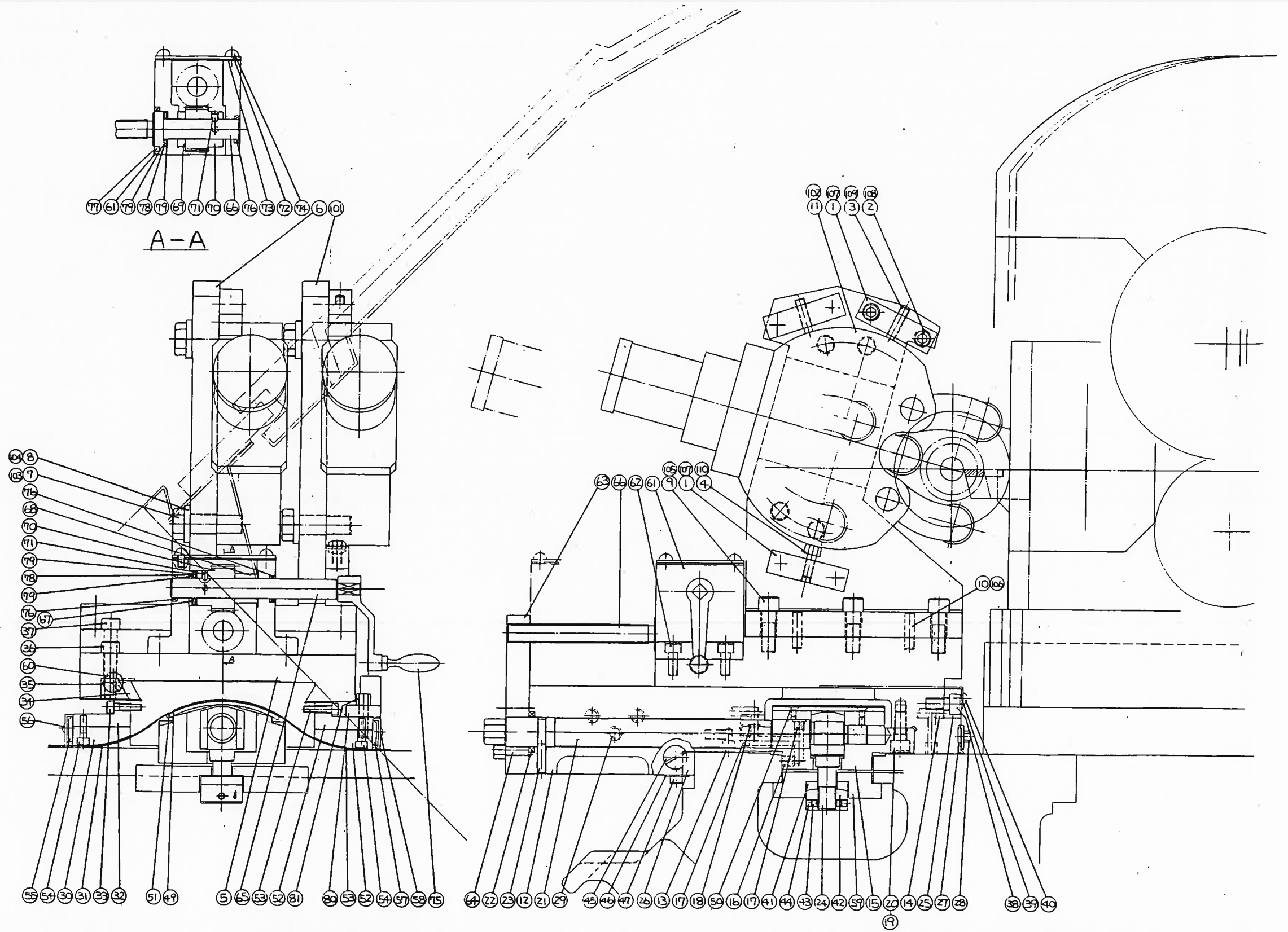
No.	Parts No.	Parts name	Q'ty	Remarks
41	A15A08X0100	Skt. set scr.	1	M8×10 (Dog p.)
42	11718630300	Base	1	
43	31718630330	Shaft	1	
44	41553707030	Washer	2	
45	A06CB060080	Skt. HD. cap scr.	2	M6×8
46	41111500590	Adjusting bolt	2	
47	41568603060	Gib	1	
48	H3600001S80	Skt. pipe plug	3	PT 1/8
49	A15B06X0060	Skt. set scr.	4	M6×6 (Flat p.)
50	41531509750	Pin	4	
51	41568603040	Nut	1	
52	41563709090	Nut	1	
53	41563709100	Washer	1	
54	41718619900	Plate	1	
55	21718619850	Bracket	1	
56	A16B05X0060	Flat HD. cap scr.	2	M5×6
57	A06CB100250	Skt. HD. cap scr.	4	M10×25
58	41568603070	Wiper	1	
59	A17HF060120	Hex. HD. cap scr.	2	M6×12
60	41111501370	Knock pin	1	
61	31718630340	Bracket	1	
62	A15C06X0100	Skt. set scr.	1	M6×10 (Cone p.)
63				
64				
65				
66				
67	A15B08X0150	Skt. set scr.	1	M8×15 (Flat p.)
68	A04JJ000040	Eye bolt	1	M16
69	A09003X0350	Pin	1	φ 3×35
70	41118600180	Shaft	1	
71	21718630350	Bracket	1	
72	A40JJ00M160	Hex. nut	1	M16 P=2.0
73	41568608750	C-Washer	1	
74	A15C06X0100	Skt. set scr.	1	M6×10 (Cone p.)
75	41568608740	Pin	1	
76	41118600160	Bolt	1	
77	41118600190	Bolt	2	
78	41118600210	Pin	2	
79	41118600070	Jaw	2	
80	41568608770	Jaw	1	

## FIXED STEADY REST ASS'Y (OILES FOLLOWER) (φ 30~φ 170)

List No. 51718600300

No.	Parts No.	Parts name	Q'ty	Remarks
81	41718619880	Bracket	1	
82	A06CB080200	Skt. HD. cap scr.	2	M8×20
83	J02DG253540	Oil seal	1	GD25×35×4 (NTN)
84	41718631770	Plate	1	
85	A06CB120180	Skt. HD. cap scr.	2	M12×18





**Mazak**

SPECIFICATION APPLY : (SMW EM1-1, Single, Twin)

ASSEMBLY NAME : STEADY REST

DRAWING NO : 017186A0020

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## FIXED STEADY REST ASS'Y (SMW EM1-1(SINGLE))

List No. 51718600100

No.	Parts No.	Parts name	Q'ty	Remarks
1	41138601810	Plate (B)	3	
2	A06CB080250	Skt. HD. cap scr.	6	M8×25
3	A15A08X0300	Skt. set scr.	2	M8×30 (Dog p.)
4	A17HB080200	Hex. HD. cap scr.	1	M8×20
5	31568604510	Slide base	1	
6	21718619800	Supporter	1	
7	A17HB16X500	Hex. HD. cap scr.	4	M16×50
8	41568606060	Spacer	4	
9	A06CB120400	Skt. HD. cap scr.	6	M12×40
10	A11F08X0320	Taper pin (Tap e.)	2	φ8×32
11	M25UE000110	Wark rest	1	SMW EM1.1
12	11718619871	Base	1	
13		Felt	2	φ12×10
14	H3600001S80	Skt. pipe plug	5	PT1/8
15	21718619850	Bracket	1	
16		Felt	1	φ12×10
17	H3600001S80	Skt. pipe plug	2	PT1/8
18		O-ring	1	P12 (NOK)
19	A11F08X0320	Taper pin (Tap e.)	2	φ8×32
20	A06CB100300	Skt. HD. cap scr.	4	M10×30
21	31718619820	Shaft	1	
22	J02GD253540	Oil seal	1	GD25×35×4 (NTN)
23	A15A08X0250	Skt. set scr.	1	M8×25 (Dog. p.)
24	41568603040	Nut	1	
25	41718619920	Plate	1	
26	41568603060	Gib	1	
27	41568603070	Wiper	1	
28	A17HB06X120	Hex. HD. cap scr.	4	M6×12
29		Oil cap	3	3/8
30	31718619980	Cover (H)	1	
31	A06CB060250	Skt. HD. cap scr.	4	M6×25
32	31718619990	Cover (TL)	1	
33	A06CB060250	Skt. HD. cap scr.	4	M6×25
34	41568603140	Gib	1	
35	41568603200	Block	2	
36	A06CB100350	Skt. HD. cap scr.	1	M10×35
37	A06CB100550	Skt. HD. cap scr.	1	M10×55
38	A06CB100200	Skt. HD. cap scr.	2	M10×20
39	41718619860	Cover	1	
40	A16A06X0080	Round HD. cap scr.	2	M6×8

## FIXED STEADY REST ASS'Y (SMW EM1-1(SINGLE))

List No. 51718600100

No.	Parts No.	Parts name	Q'ty	Remarks
41	41563709100	Washer	1	
42	41563709090	Nut	1	
43	41531509750	Pin	4	
44	A15B06X0060	Skt. set scr.	4	M6×6 (Flat p.)
45	41111500590	Bolt	2	
46	41553707030	Washer	2	
47	A06CB060080	Skt. HD. cap scr.	2	M6×8
48				
49	41718619940	Supporter	1	
50	A16B05X0100	Flat HD. cap scr.	2	M5×10
51	41718619950	Liner	1	
52	41718619910	Supporter	2	
53	41718619930	Liner	2	
54	A06CB060200	Skt. HD. cap scr.	4	M6×20
55	31718619960	Wiper (H)	1	
56	A16A06X0160	Round HD. cap scr.	6	M6×16
57	31718619970	Wiper (TL)	1	
58	A16A06X0160	Round HD. cap scr.	6	M6×16
59	41718619840	Plate	1	
60	41543705670	Bolt	2	
61	21568604471	Gear box	1	
62	A06CB080200	Skt. HD. cap scr.	4	M8×20
63	41568604521	Plate	1	
64	A17HB080350	Hex. HD. cap scr.	4	M8×35
65	41568604530	Shaft	1	
66	41718619810	Shaft	1	
67	41568604550	Spacer	1	
68	41568604560	Spacer	1	
69	41568604570	Spacer	1	
70	41568604580	Gear	2	
71	A11006X0300	Taper pin	2	φ6×30
72	41568604590	Cover	1	
73	41568604600	Packing	1	
74	A16A06X0120	Round HD. cap scr.	4	M6×12
75	Z14JE000480	Crank	1	OC-4-RAS (IMAO)
76	J02GD172330	Oil seal	3	GD17×23×3 (NTN)
77	J02GD303740	Oil seal	1	GD30×37×4 (NTN)
78	E00AXK11030	Thrust needle	2	AXK1103 (NTN)
79	E000AS11030	Needle brg.	4	AS1103 (NTN)
80	41718619880	Bracket	1	

## FIXED STEADY REST ASS'Y (SMW EM1-1(SINGLE))

List No. 51718600100

No.	Parts No.	Parts name	Q'ty	Remarks
81	A06CB080200	Skt. HD. cap scr.	2	M8×20

## FIXED STEADY REST ASS'Y (SMW EM1-1(TWIN))

List No. 51718600400

No.	Parts No.	Parts name	Q'ty	Remarks
1	41138601810	Plate (B)	3	
2	A06CB080250	Skt. HD. cap scr.	6	M8×25
3	A15A08X0300	Skt. set scr.	2	M8×30 (Dog p.)
4	A17HB080200	Hex. HD. cap scr.	1	M8×20
5	31568604510	Slide base	1	
6	21718619800	Supporter	1	
7	A17HB16X500	Hex. HD. cap scr.	4	M16×50
8	41568606060	Spacer	4	
9	A06CB120400	Skt. HD. cap scr.	6	M12×40
10	A11F08X0320	Taper pin (Tap e.)	2	φ8×32
11	M25UE000110	Wark rest	1	SMW EM1.1
12	11718619871	Base	1	
13		Felt	2	φ12×10
14	H3600001S80	Skt. pipe plug	5	PT1/8
15	21718619850	Bracket	1	
16		Felt	1	φ12×10
17	H3600001S80	Skt. pipe plug	2	PT1/8
18		O-ring	1	P12 (NOK)
19	A11F08X0320	Taper pin (Tap e.)	2	φ8×32
20	A06CB100300	Skt. HD. cap scr.	4	M10×30
21	31718619820	Shaft	1	
22	J02GD253540	Oil seal	1	GD25×35×4(NTR)
23	A15A08X0250	Skt. set scr.	1	M8×25 (Dog. p.)
24	41568603040	Nut	1	
25	41718619920	Plate	1	
26	41568603060	Gib	1	
27	41568603070	Wiper	1	
28	A17HB06X120	Hex. HD. cap scr.	4	M6×12
29		Oil cap	3	3/8
30	31718619980	Cover (H)	1	
31	A06CB060250	Skt. HD. cap scr.	4	M6×25
32	31718619990	Cover (TL)	1	
33	A06CB060250	Skt. HD. cap scr.	4	M6×25
34	41568603140	Gib	1	
35	41568603200	Block	2	
36	A06CB100350	Skt. HD. cap scr.	1	M10×35
37	A06CB100550	Skt. HD. cap scr.	1	M10×55
38	A06CB100200	Skt. HD. cap scr.	2	M10×20
39	41718619860	Cover	1	
40	A16A06X0080	Round HD. cap scr.	2	M6×8

## FIXED STEADY REST ASS'Y (SMW EM1-1(TWIN))

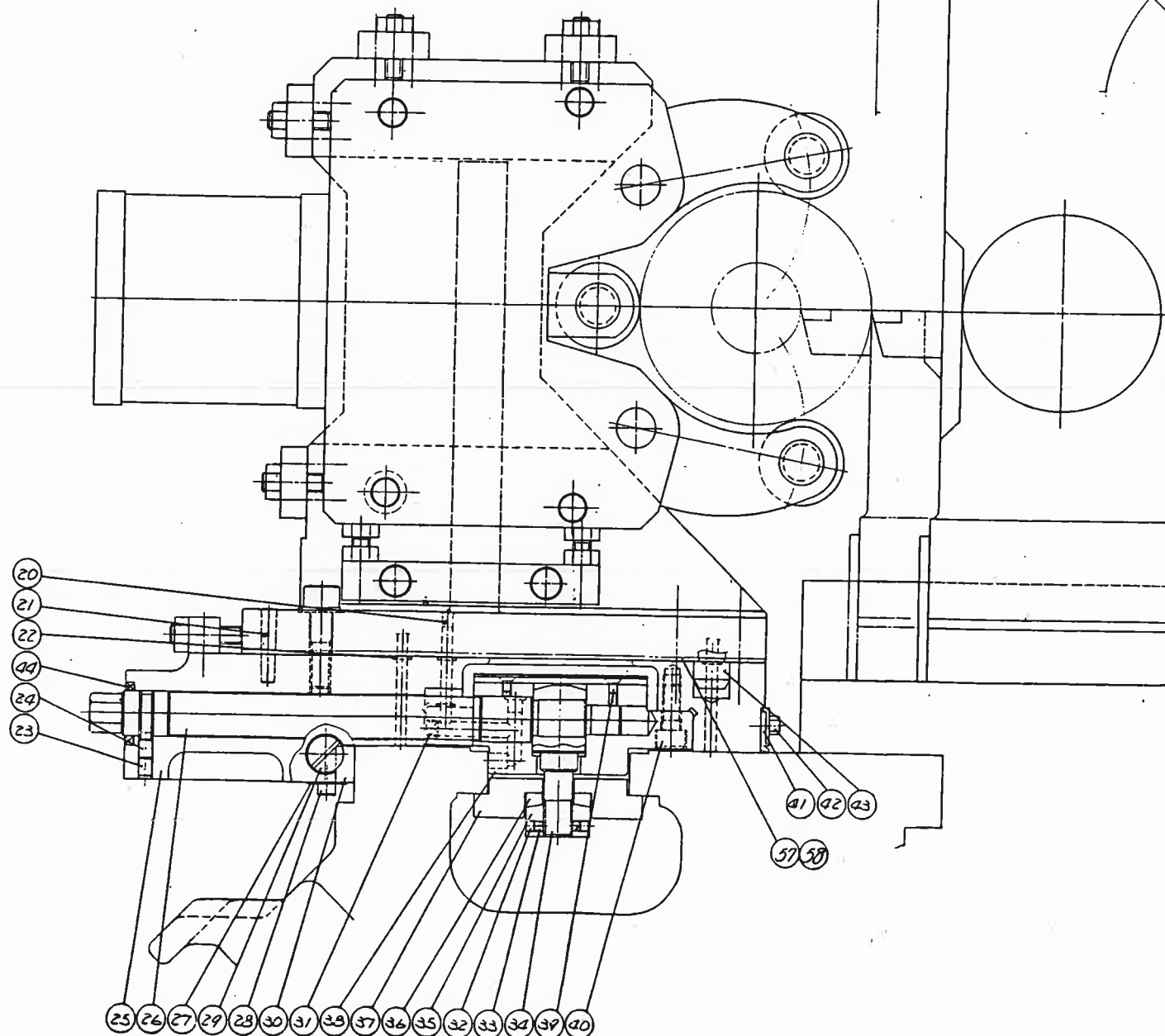
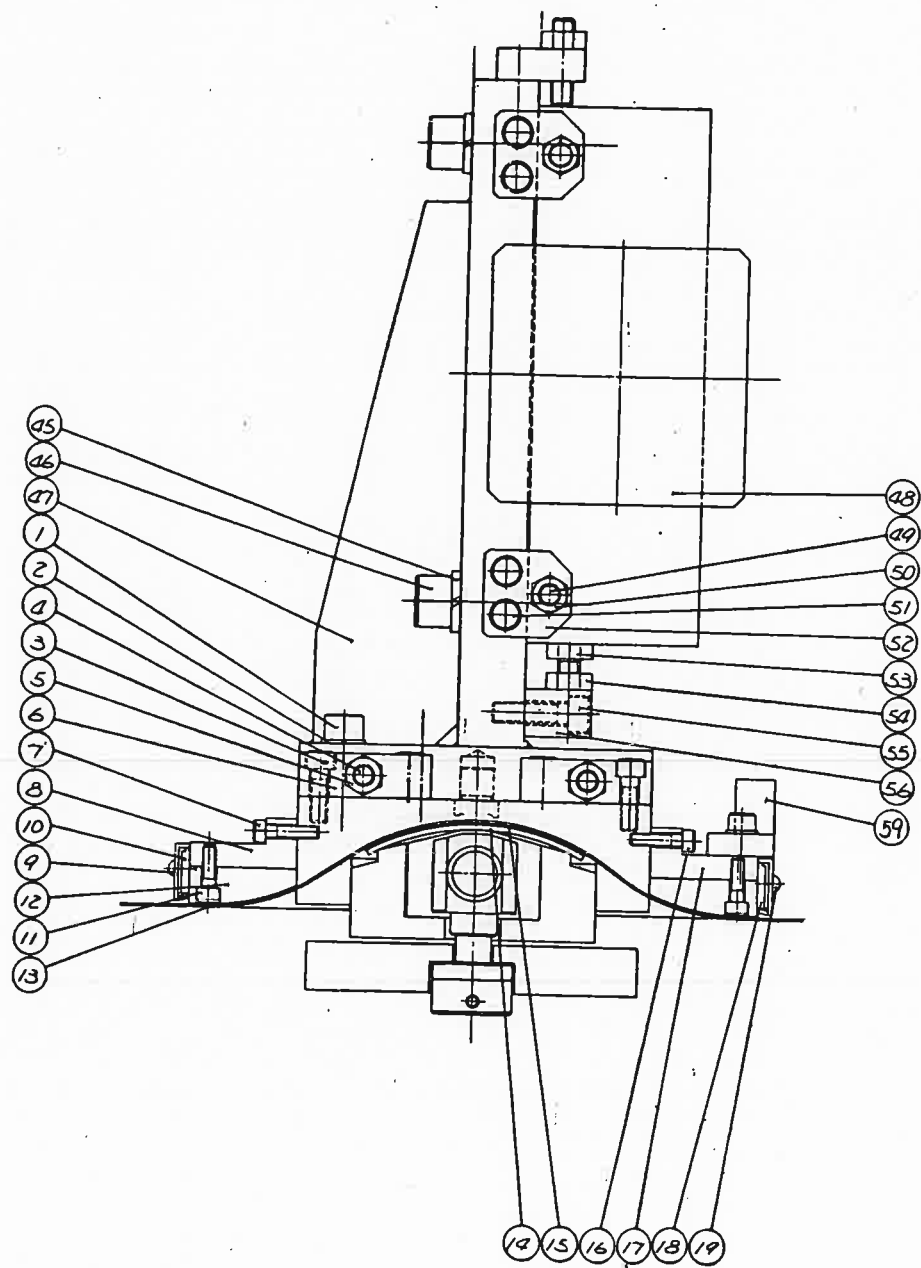
List No. 51718600400

No.	Parts No.	Parts name	Q'ty	Remarks
41	41563709100	Washer	1	
42	41563709090	Nut	1	
43	41531509750	Pin	4	
44	A15B06X0060	Skt. set scr.	4	M6×6 (Flat p.)
45	41111500590	Bolt	2	
46	41553707030	Washer	2	
47	A06CB060080	Skt. HD. cap scr.	2	M6×8
48				
49	41718619940	Supporter	1	
50	A16B05X0100	Flat HD. cap scr.	2	M5×10
51	41718619950	Liner	1	
52	41718619910	Supporter	2	
53	41718619930	Liner	2	
54	A06CB060200	Skt. HD. cap scr.	4	M6×20
55	31718619960	Wiper (H)	1	
56	A16A06X0160	Round HD. cap scr.	6	M6×16
57	31718619970	Wiper (TL)	1	
58	A16A06X0160	Round HD. cap scr.	6	M6×16
59	41718619840	Plate	1	
60	41543705670	Bolt	2	
61	21568604471	Gear box	1	
62	A06CB080200	Skt. HD. cap scr.	4	M8×20
63	41568604521	Plate	1	
64	A17HB080350	Hex. HD. cap scr.	4	M8×35
65	41568604530	Shaft	1	
66	41718619810	Shaft	1	
67	41568604550	Spacer	1	
68	41568604560	Spacer	1	
69	41568604570	Spacer	1	
70	41568604580	Gear	2	
71	A11006X0300	Taper pin	2	φ6×30
72	41568604590	Cover	1	
73	41568604600	Packing	1	
74	A16A06X0120	Round HD. cap scr.	4	M6×12
75	Z14JE000480	Crank	1	OC-4-RAS(IMAO)
76	J02GD172330	Oil seal	3	GD17×23×3 (NTN)
77	J02GD303740	Oil seal	1	GD30×37×4 (NTN)
78	E00AXK11030	Thrust needle	2	AXK1103 (NTN)
79	E000AS11030	Needle brg.	4	AS1103 (NTN)
80	41718619880	Bracket	1	

## FIXED STEADY REST ASS'Y (SMW EM1-1(TWIN))

List No. 51718600400

No.	Parts No.	Parts name	Q'ty	Remarks
81	A06CB080200	Skt. HD. cap scr.	2	M8×20
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
100				
101	21718630490	Supporter	1	
102	M25UE000110	Wark rest	1	
103	A17HB16X500	Hex. HD. cap scr.	4	M16×50
104	41568606060	Spacer	4	
105	A06CB120400	Skt. HD. cap scr.	6	M12×40
106	A11F08X0320	Taper pin (Tap e.)	2	φ8×32
107	41138601810	Plate (B)	3	
108	A06CB080250	Skt. HD. cap scr.	6	M8×25
109	A15A08X0300	Skt. set scr.	2	M8×30 (Dog p.)
110	A17HB080200	Hex. HD. cap scr.	1	M8×20



**Mazak**

SPECIFICATION APPLY : (EM2-1A)

ASSEMBLY NAME : STEADY REST

DRAWING NO : 017186A0031

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## FIXED STEADY REST ASS'Y (EM2-1A)

List No. 51718600500

No.	Parts No.	Parts name	Q'ty	Remarks
1	A17HB120400	Hex. HD. cap scr.	6	M12×40
2	A43JJ00M120	Spring LK. washer	6	M12
3	A06CB080250	Skt. HD. cap scr.	4	M8×25
4	A15B10X0350	Skt. set scr.	2	M10×35 (Flat p.)
5	A40JJ00M100	Hex. nut	2	M10
6	41578604440	Adjusting block	2	
7	A06CB060250	Skt. HD. cap scr.	4	M6×25
8	31718619980	Cover (H)	1	
9	A16A06X0200	Round HD. cap scr.	6	M6×20
10	31718619960	Wiper (H)	1	
11	A06CB060200	Skt. HD. cap scr.	4	M6×20
12	41718619910	Supporter	1	
13	41718619930	Liner	6	M6×20
14	41718619940	Supporter	1	
15	41718619950	Liner	1	
16	A06CB060250	Skt. HD. cap scr.	2	M6×25
17	31718619991	Cover (TL)	1	
18	31718619970	Wiper (TL)	1	
19	A16A06X0200	Round HD. cap scr.	6	M6×20
20	G41ML000080	Oil cup	3	1/4
21	A11F08X0400	Taper pin (Tap e.)	1	φ8×40
22	J2600P00800	O-ring	4	P8
23	A15B08X0100	Skt. set scr.	1	M8×10 (Flat p.)
24	A15A08X0100	Skt. set scr.	1	M8×10 (Dog p.)
25	11718630301	Base	1	
26	31718630300	Shaft	1	
27	41553707030	Washer	2	
28	A06CB060080	Skt. HD. cap scr.	2	M6×8
29	41111500590	Adjusting bolt	2	
30	41568603060	Gib	1	
31	H3600001S80	Skt. pipe plug	3	PT 1/8
32	A15B05X0060	Skt. set scr.	4	M5×6 (Flat p.)
33	41531509750	Pin	4	
34	41568603040	Nut	1	
35	41563709090	Nut	1	
36	41563709100	Washer	1	
37	41718619900	Plate	1	
38	21718619850	Bracket	1	
39	A16B05X0060	Flat HD. cap scr.	2	M5×6
40	A06CB100250	Skt. HD. cap scr.	4	M10×25

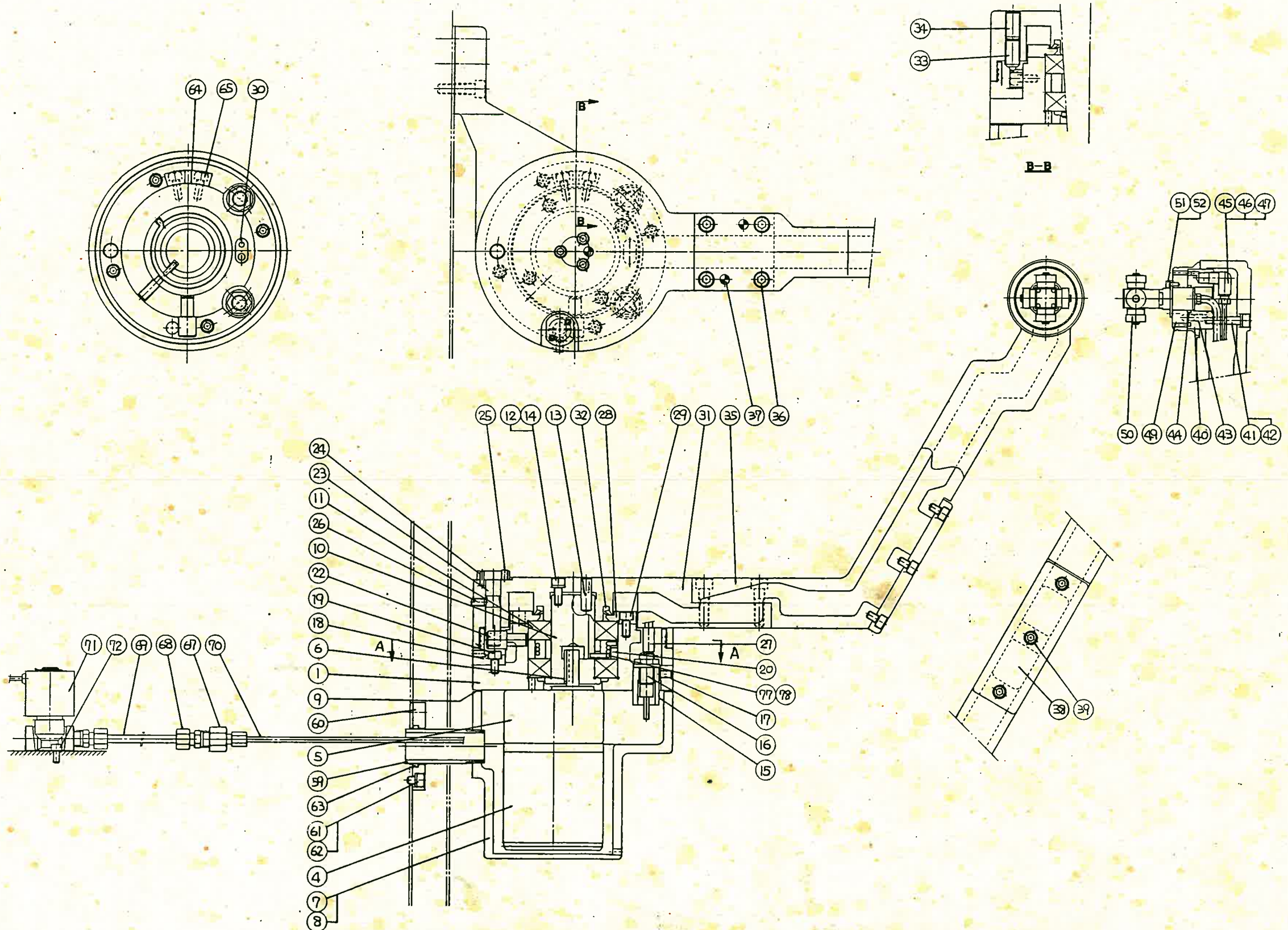
12-16

## FIXED STEADY REST ASS'Y (EM2-1A)

List No. 51718600500

No.	Parts No.	Parts name	Q'ty	Remarks
41	41568603070	Wiper	1	
42	A17HF060120	Hex. HD. cap scr.	2	M6×12
43	41111501370	Knock pin	1	
44	J02GD253540	Oil seal	1	GD25×35×4 (NTN)
45	A43JJ00M160	Spring LK. washer	4	M16
46	A06CB160500	Skt. HD. cap scr.	4	M16×50
47	21718631510	Supporter	1	
48	M25UE000160	Work rest	1	EM2-1A (SMW)
49	A15B10X0400	Skt. set scr.	4	M10×40 (Flat p.)
50	A40JJ00M100	Hex. nut	4	M10
51	A06CB080250	Skt. HD. cap scr.	8	M8×25
52	41788613070	Plate	4	
53	A17HF100300	Hex. HD. cap scr.	2	M10×30
54	A40JJ00M100	Hex. nut	4	M10
55	A06CB100350	Skt. HD. cap scr.	2	M10×35
56	41788613080	Plate	1	
57	41718631770	Plate	1	
58	A06CB120180	Skt. HD. cap scr.	2	M12×18

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**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC

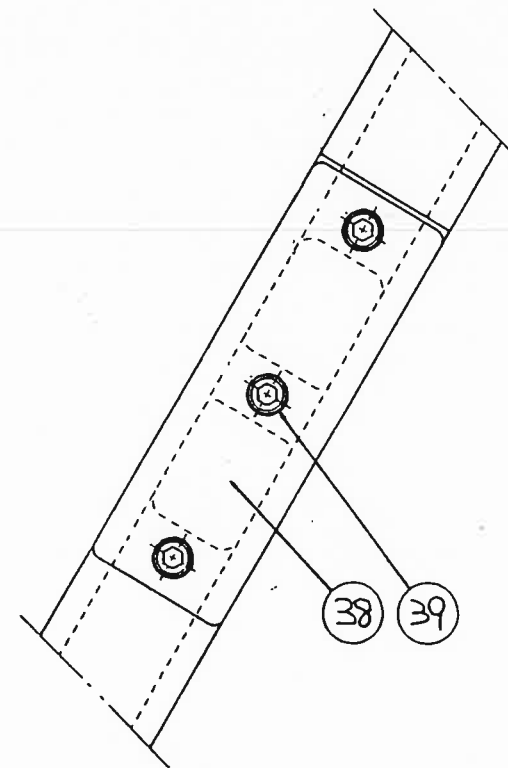
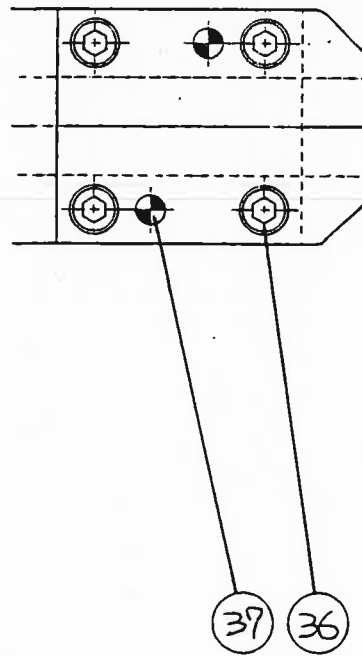
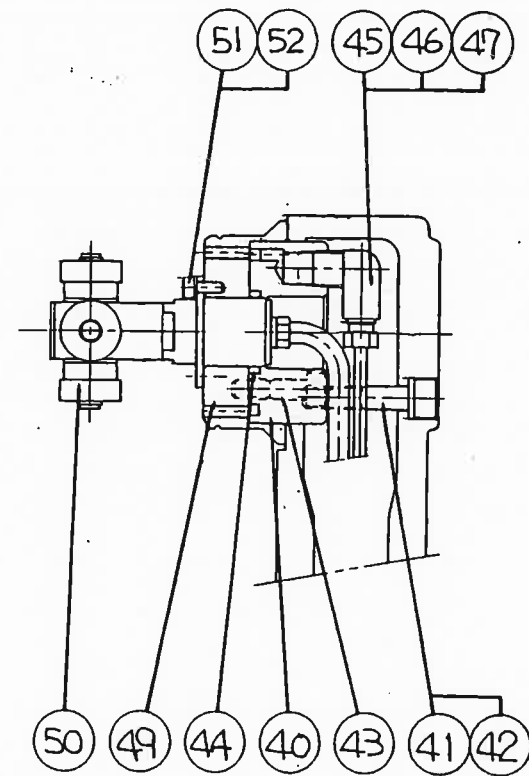
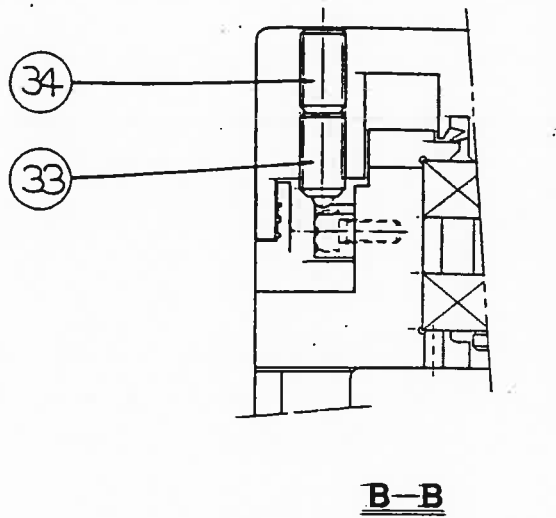
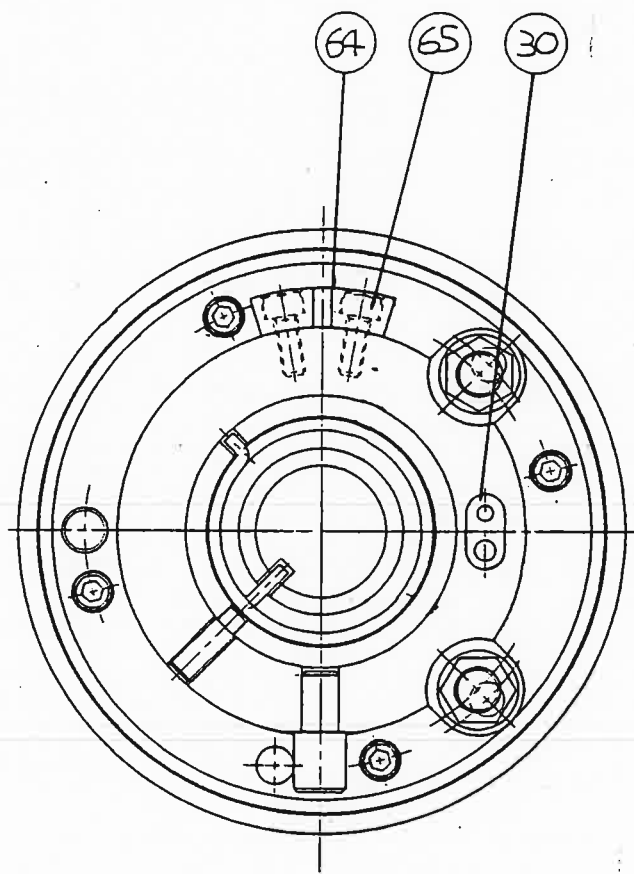
SPECIFICATION APPLY :

ASSEMBLY NAME : TOOL NOSE MEASUREMENT UNIT ASS'Y

DRAWING NO : 017191A0010

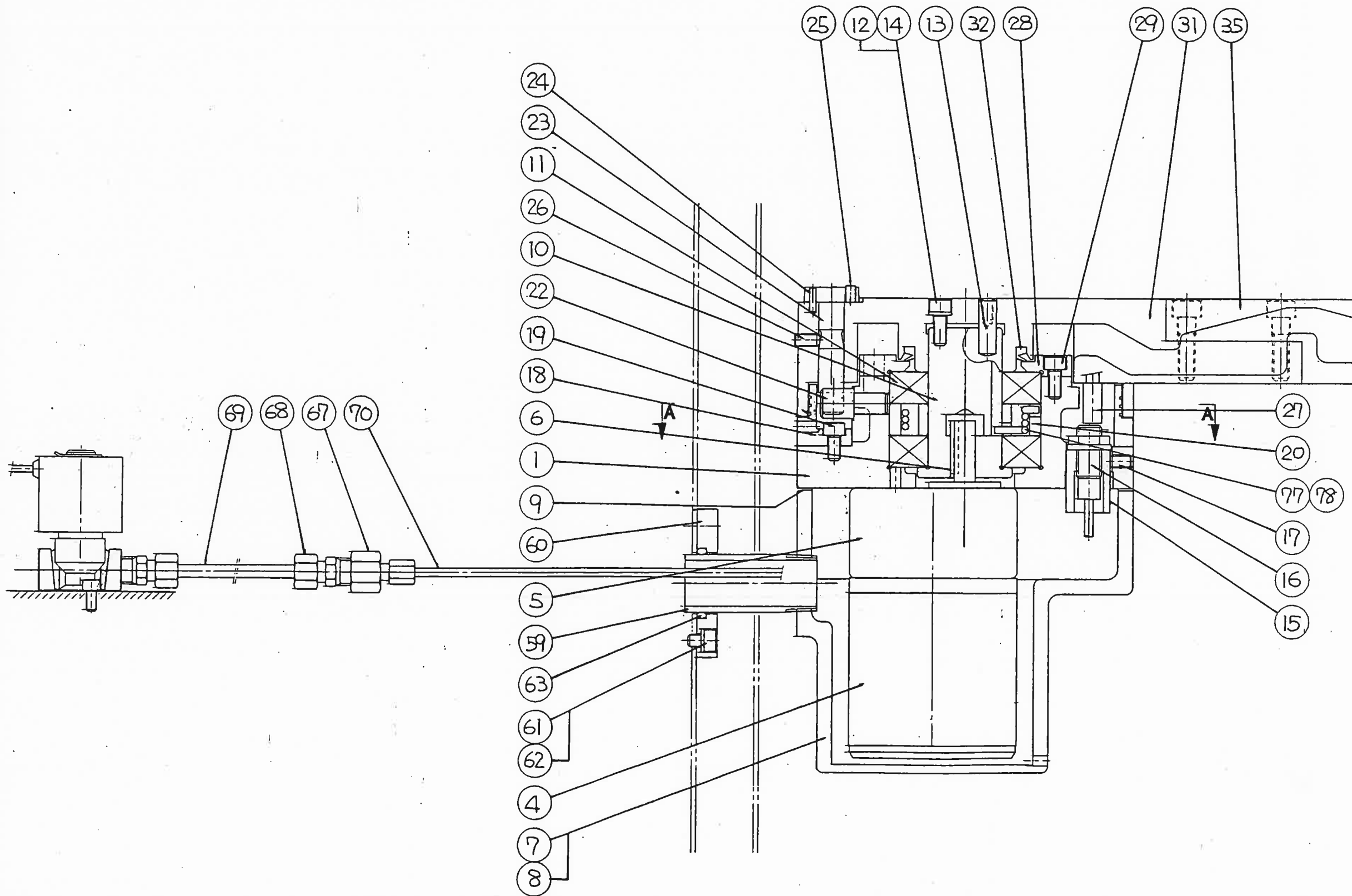
Page

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<b>Mazak</b>	MACHINE MODEL: SLANT TURN-25 ATC	ASSEMBLY NAME: TOOL NOSE MEASUREMENT UNIT ASS'Y	Page
	SPECIFICATION APPLY :	DRAWING NO : 017191A0010	13-1-1





**Mazak**

MACHINE MODEL: SLANT TURN-25 ATC

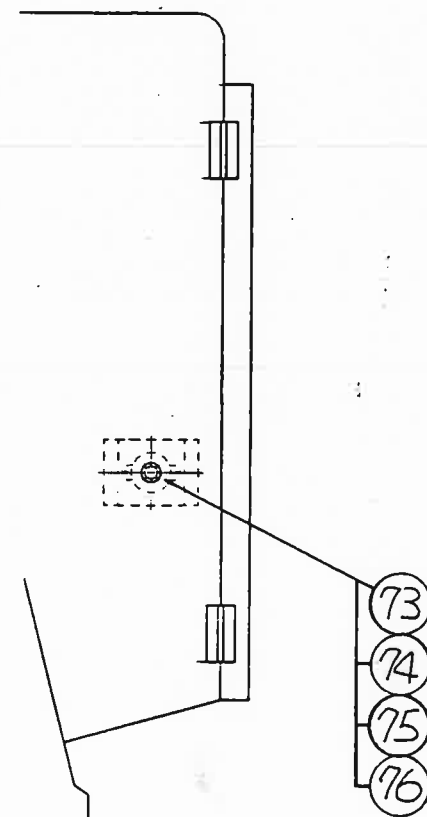
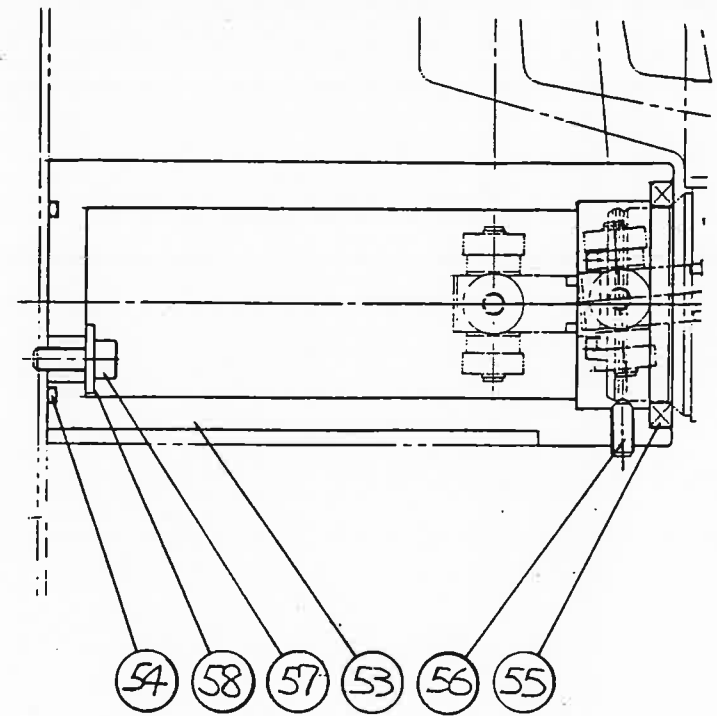
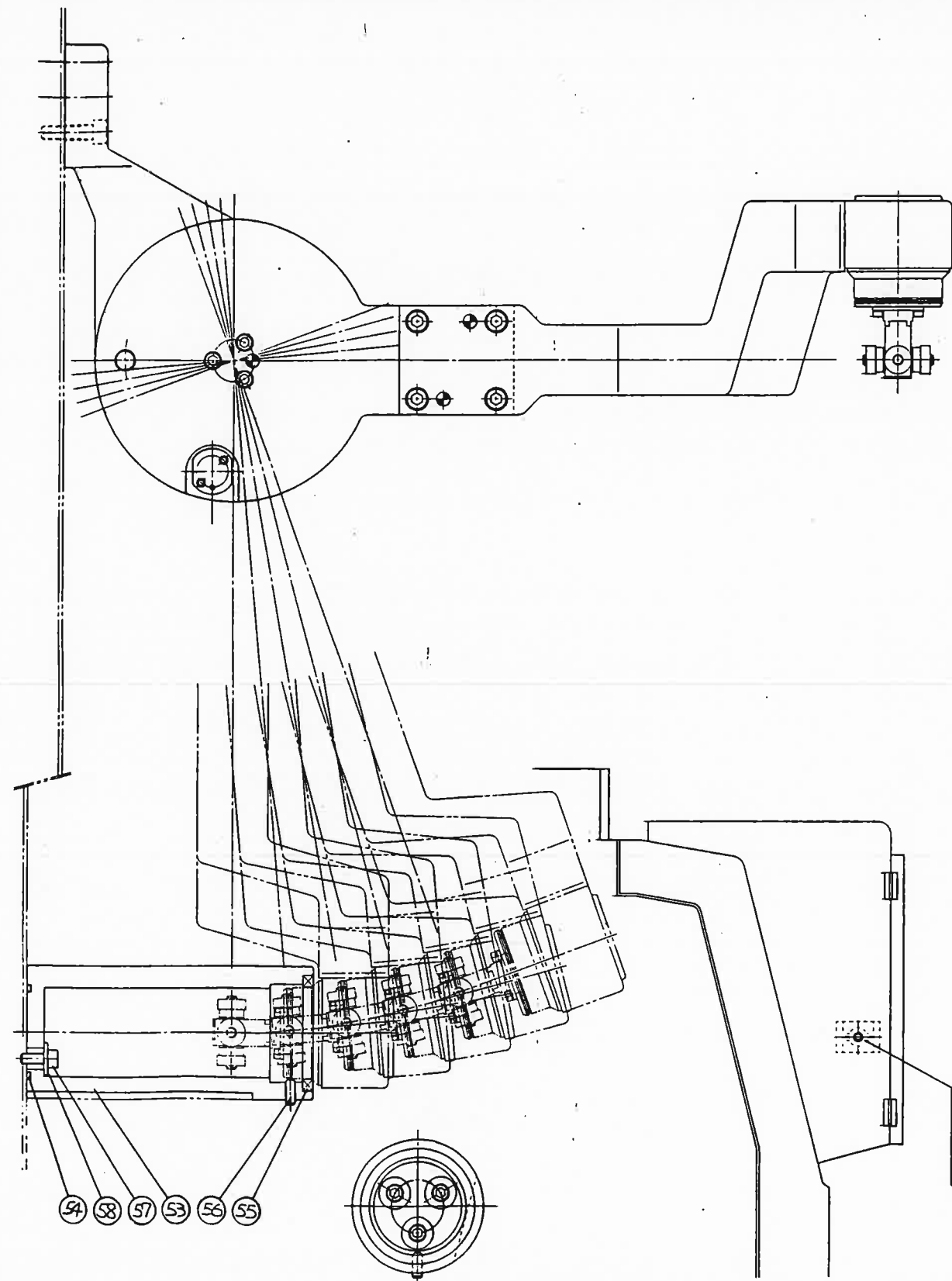
SPECIFICATION APPLY :

ASSEMBLY NAME : TOOL NOSE MEASUREMENT UNIT ASS'Y

DRAWING NO : 017191A0010

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<b>Mazak</b>	MACHINE MODEL: SLANT TURN-25 ATC	ASSEMBLY NAME :	Page 13-2
	SPECIFICATION APPLY :	DRAWING NO : 017191A0020	

## TOOL NOSE MEASUREMENT UNIT ASS'Y

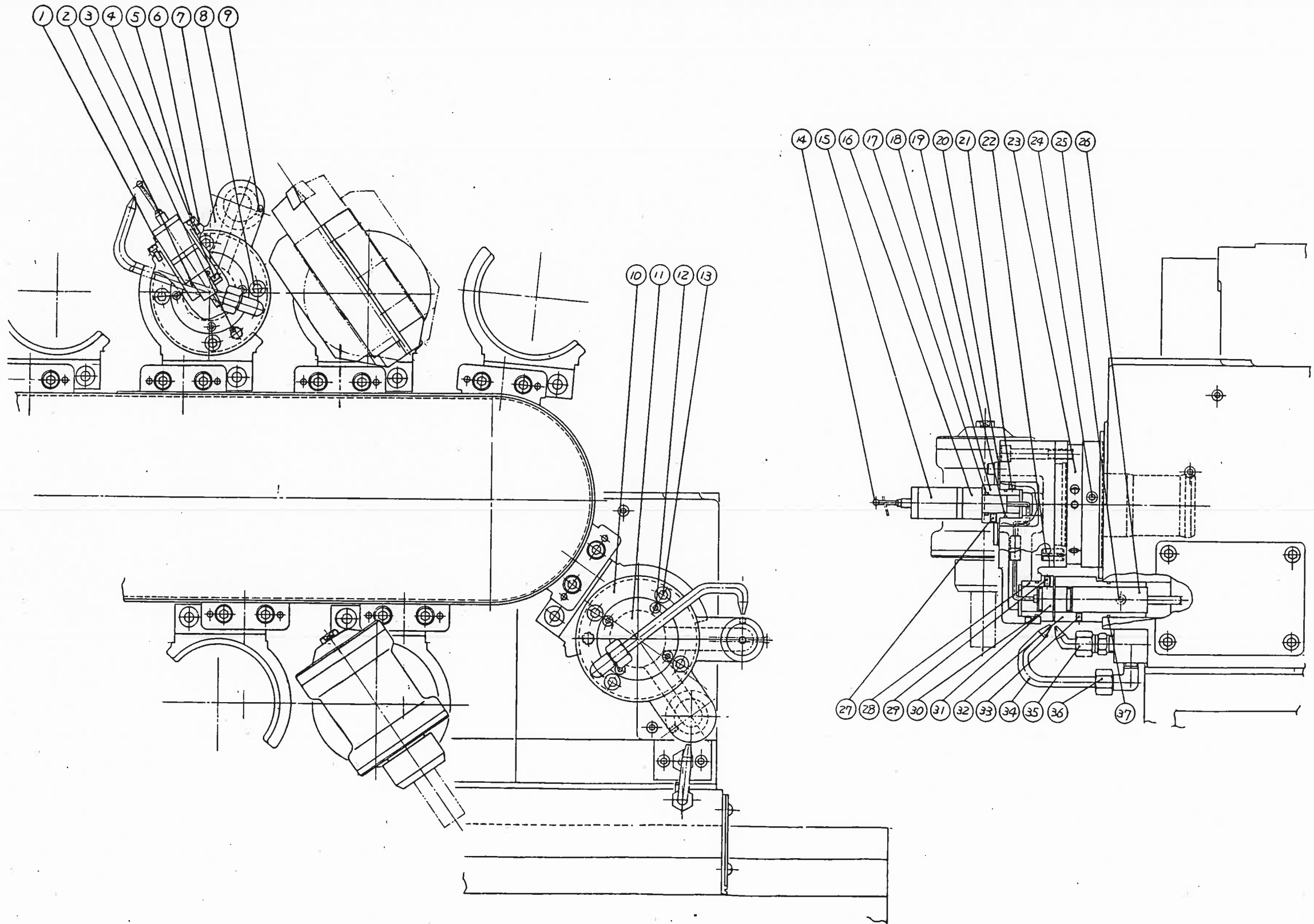
List No. 51719100400

No.	Parts No.	Parts name	Q'ty	Remarks
1	11719114410	Housing	1	
2	A06CB080300	Skt. HD. cap scr.	4	M8×30
3	A11F02X0250	Taper pin (Tap. e.)	2	φ8×25
4	R13PJ000510	Motor	1	4TK10GK-A(Oriental)
5	R13PJ000600	Gear	1	4GK150K(Oriental)
6	A1404040250	Key	1	4×4×25
7	11719114330	Box	1	
8	A06CB080550	Skt. HD. cap scr.	3	M8×55
9	31719114400	Packing	1	
10	41719114260	Shaft	1	
11	E35TAA07DB0	TAC bearing	1set	35TAA07DB (NACHI)
12	A06CB060160	Skt. HD. cap scr.	3	M6×16
13	A11F08X0250	Taper pin (Tap. e.)	1	φ8×25
14	J06KRW06S10	Seal washer	3	W6S1
15	41719114230	Bush	2	
16	R26YB000980	Proximity switch	2	FL1-2D6-903(YAMATAKE HONEWEL)
17	A15B06X0100	Skt. set scr.	2	M6×10(Flat p.)
18	31719114270	Cover	1	
19	A06CB060120	Skt. HD. cap scr.	4	M6×12
20	41719114240	Collar	1set	
21				
22	41719114320	Pin	1	
23	41719114310	Shaft	1	
24	A12003X0120	Spring pin	1	φ3×12
25	A15B05X0080	Skt. set scr.	1	M5×8(Flat p.)
26	A15B06X0120	Skt. set scr.	1	M6×12
27	41719114350	Pin	1	
28	31719114290	Cover	1	
29	A06CB060120	Skt. HD. cap scr.	4	M6×12
30	41719114340	Bush	1	
31	<del>11719114300</del>	Arm	1	11739113232
32	J21FG000310	V Seal	1	V50A
33	Z19JF000370	Spring plungers	1	SPL-12
34	A15B06X0200	Skt. set scr.	1	M12×20
35	11719114220	Arm	1	
36	A06CB080300	Skt. HD. cap scr.	4	M8×25
37	A11F08X0300	Taper pin (Tap. e.)	2	φ8×30
38	41719114200	Cover	1	
39	A06CB060120	Skt. HD. cap scr.	3	M6×12
40	31719114210	Bracket	1	

## TOOL NOSE MEASUREMENT UNIT ASS'Y

List No. 51719100400

No.	Parts No.	Parts name	Q'ty	Remarks
41	A06CB060300	Skt. HD. cap scr.	3	M6×30
42	J06KRW06S10	Seal washer	3	W6S1
43	A06CB050250	Skt. HD. cap scr.	3	M5×25
44	J2600P00180	O-ring	1	P-18
45	H10SF00PH40	Elbow	1	PH4
46	H10SF00PA40	Plug		PA4
47	H10SF00PB40	Sleeve	1	PB4
48				
49	31719114280	Bracket	1	
50	K16ZA000030	Touch sensor	1	H-4A-08-C5
51	A06CB030080	Skt. HD. cap scr.	4	M3×8
52	A43JJ00M030	Spring washer	4	M3
53	41719114370	Box	1	
54	J2600G00450	O-ring	1	G45
55	J01AG295400	Oil seal	1	AG29540
56	A19JF000380	Spring plungers	1	BSU6
57	A06CB060200	Skt. HD. cap scr.	3	M6×20
58	41719114360	Washer	3	
59	41719114390	Duct	1	
60	41719114250	Cover	1	
61	A06CB060120	Skt. HD. cap scr.	4	M6×12
62	J06KRW06S10	Seal washer	4	W6S1
63	J2600P00260	O-ring	1	P-26
64	41719114380	Dog	1	
65	A06CB060120	Skt. HD. cap scr.	2	M6×12
66				
67	H14SV000390	Union	1	DHF04-02(SHOUKETSU)
68	H14SV001020	Half union	1	H06-02(SHOUKETSU)
69		Nylon tube	3m	T0645(SHOUKETSU)
70		Tube	1m	TU0425(SHOUKETSU)
71				
72				
73	R83MB000010	Buzzer	1	EB1114(MATSUSHITA)
74	41719114430	Packing	1	
75	A16A04X0100	Round HD. cap scr.	2	M4×10
76	A41JJ00M040	Washer	2	M4
77	41719114440	Spring	1	
78	41719114450	Spring	1	
79				
80				



**Mazak**

SPECIFICATION  
APPLY :

ASSEMBLY  
NAME : WORK MEASUREMENT UNIT ASS'Y

DRAWING NO : 017191AS010

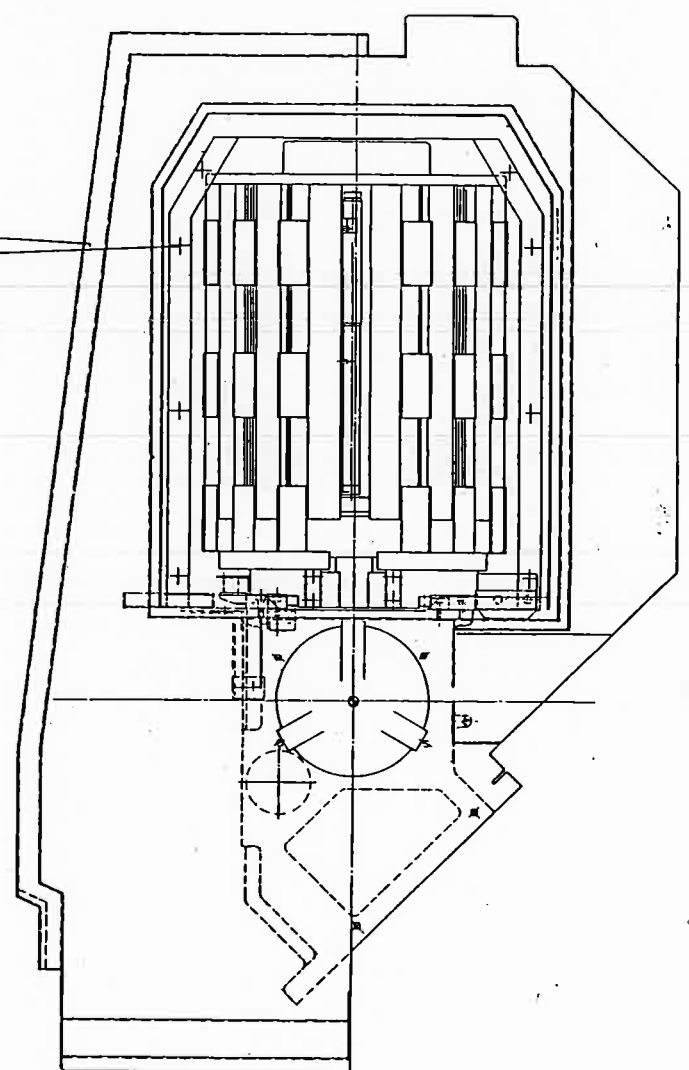
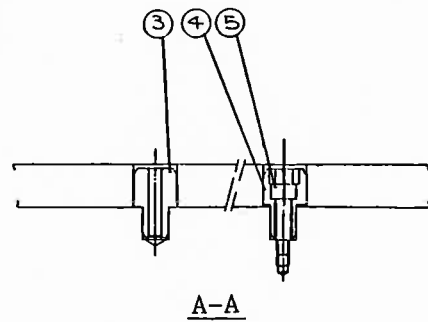
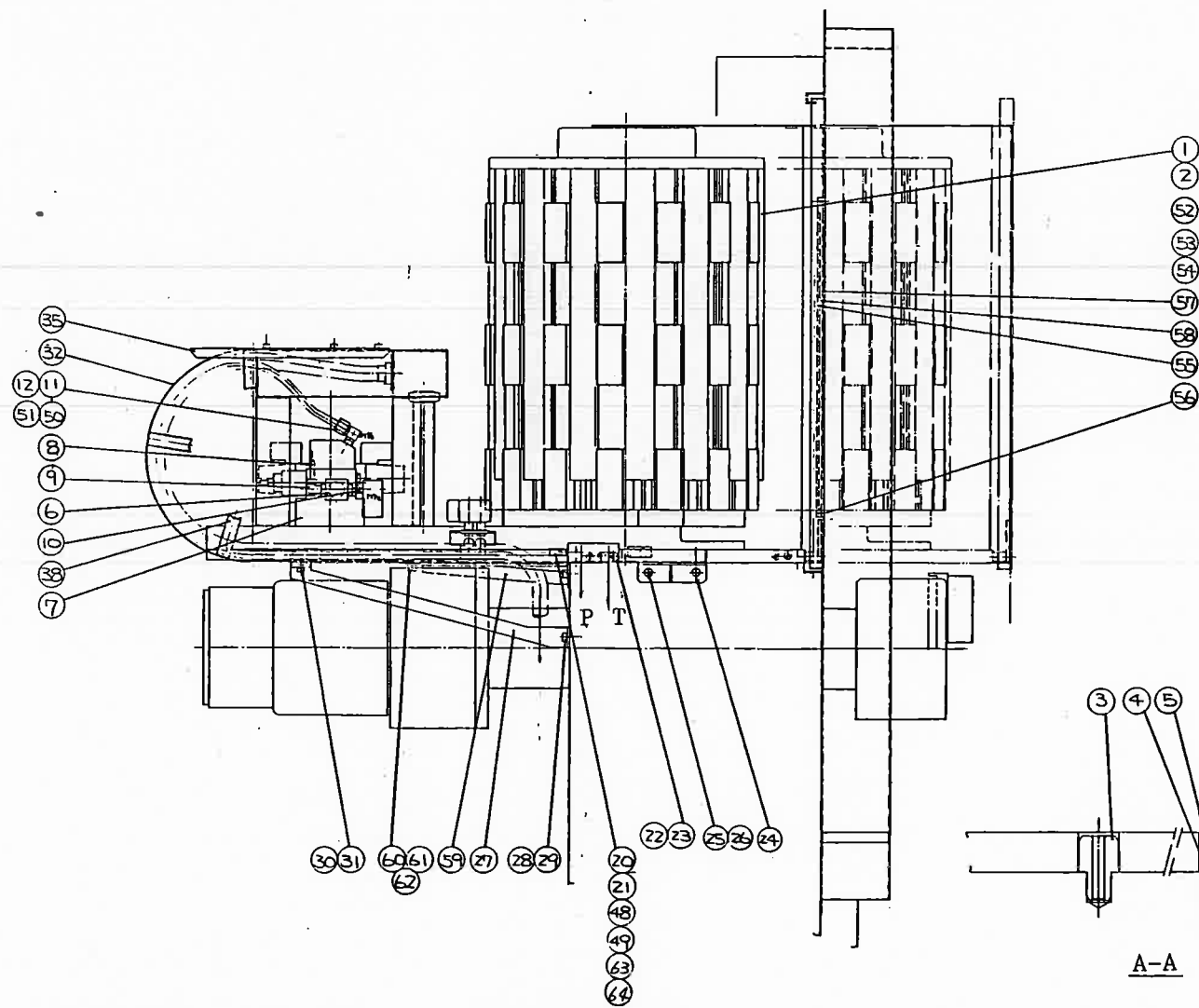
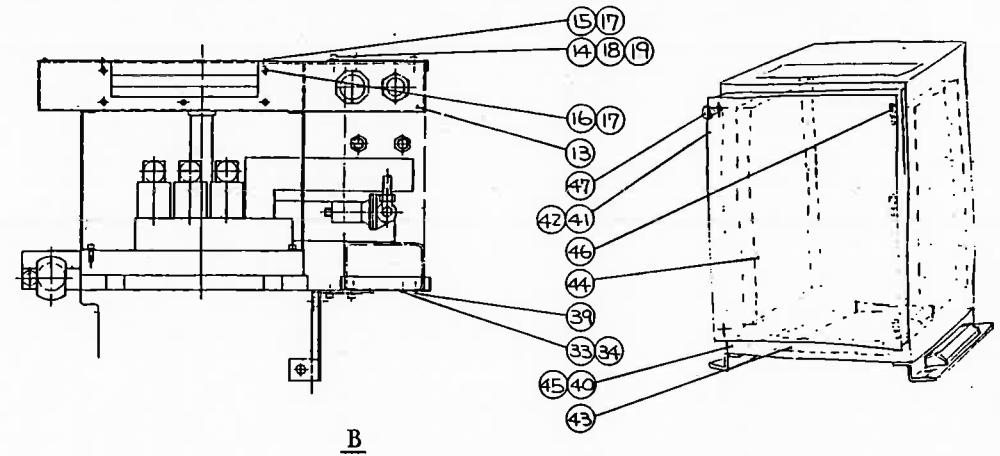
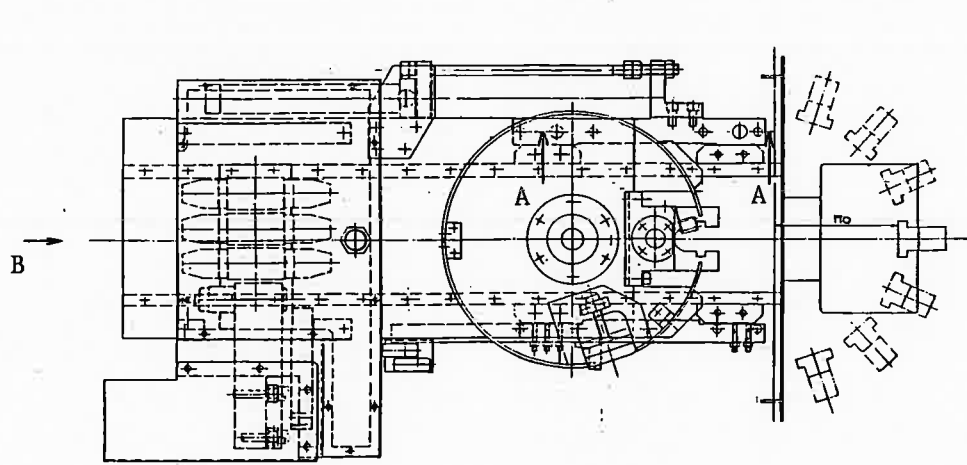
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## WORK MEASUREMENT UNIT ASS'Y

List No. 51719100300

No.	Parts No.	Parts name	Q'ty	Remarks
1	41719111861	Retainer	1	
2	J2600P01400	O-ring	1	P 14
3	A12010X0180	Spring pin	1	φ 10×18
4	A15B05X0080	Skt. set scr.	1	M5×8 (Flat p.)
5	A06CB040100	Skt. HD. cap scr.	4	M4×10
6	41719111850	Packing	1	
7	21719111843	Holder	1	
8	A06CB080500	Skt. HD. cap scr.	4	M8×50
9	A15B05X0060	Skt. set scr.	1	M5×6 (Flat p.)
10	21719111831	Holder	1	
11	41719111871	Cover	1	
12	A06CB050120	Skt. HD. cap scr.	4	M5×12
13	A06CB080500	Skt. HD. cap scr.	4	M8×50
14	41569103460	Stylus	1	
15	K12RF000290	Probe	1	LP2
16	31569103450	Bush	1	
17	J2600P01400	O-ring	1	P 14
18	41719111911	Retainer	1	
19	J2600S02000	O-ring	1	S20
20	41719111891	Packing	1	
21	A15B05X0120	Skt. set scr.	2	M5×6
22	A12010X0180	Spring pin	1	φ 10×18
23	11719111823	Holder	1	
24	H3600001S80	Skt. pipe plug	2	PT 1/8
25	A15B08X0080	Skt. set scr.	1	M8×8 (Flat p.)
26	K12RF000760	Assembly	1	A/2028/7573
27	A15B05X0080	Skt. set scr.	1	M5×8 (Flat p.)
28	41719111880	Retainer	1	
29	A15B05X0080	Skt. set scr.	1	M5×8 (Flat p.)
30	J2600S02500	O-ring	1	S25
31	K12RF000810	Module	1	A/2028/7574
32	41719111900	Retainer	1	
33	A15B05X0080	Skt. set scr.	1	M5×8
34		Copper tubing	1	φ 6×500
35	H23NN000360	Pipe fitting	1	PA6 PT1/8 (NTN)
36	H23NN000310	Pipe fitting	3	PB6 PT1/8 (TNN)
37	J2600S02500	O-ring	1	S25
38	41719113251	Block	1	
39	A06CB080350	Skt. HD. cap scr.	2	M8×35



**Mazak**

SPECIFICATION APPLY : (8", 1000-1500)

ASSEMBLY NAME : AJC ASS'Y  
DRAWING NO : 117196A0010

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## AJC ASS'Y (8", Distance between center 1000)

List No. 51719602100

No.	Parts No.	Parts name	Q'ty	Remarks
1	M31HD000070	JAC	1	AJC308-Y1A(HOWA)
2	M31HD000080	Base jaw	15set	H028M8A6-J(HOWA)
3	41780130860	Pin	1	
4	41780131951	Pin	1	
5	A06CB060250	Skt. HD. cap scr.	1	M6×25
6	G50SV001770	Solenoid valve	1	VPW2145-031C(SHOUKETSU)
7	H14SV000260	Union soint	1	H10-03(SHOUKETSU)
8	H14SV001530	Nylon tube	1	T1075B×4000(SHOUKETSU)
9	H14SV000900	Elbow union	1	DL10-03(SHOUKETSU)
10	H23NN000920	Nipple	1	PT3/8 (NTN)
11	H28TQ130060	Adapter	2	13-0606 (TOKAI)
12	H28TQ120060	Adapter	2	12-0606 (TOKAI)
13	11785816682	Box	1	
14	A06CB060120	Skt. HD. cap scr.	4	M6×12
15	A16A05X0080	Round HD. cap scr.	11	M5×8
16	A16A05X0050	Round HD. cap scr.	5	M5×5
17	A41JJ00M050	Washer	16	M5
18	A43JJ00M060	Spring LK. washer	4	M6
19	A41JJ00M060	Washer	4	M6
20	41719600130	Hose	1	70×9×1150(TOKAI)
21	41719600140	Hose	1	15×9×1150(TOKAI)
22	31719600170	Manifold	1	
23	A06CB060100	Skt. HD. cap scr.	2	M6×10
24	21719600150	Bracket	1	
25	A06CB080160	Skt. HD. cap scr.	2	M8×16
26	A41JJ00M080	Washer	2	M8
27	31719600160	Bracket	1	
28	A06CB080160	Skt. HD. cap scr.	1	M8×16
29	A41JJ00M080	Washer	1	M8
30	A06CB060120	Skt. HD. cap scr.	2	M6×12
31	A41JJ00M060	Washer	2	M6
32	41785229880	Spring	1	
33	A16A05X0080	Round HD. cap scr.	2	M5×8
34	A41JJ00M050	Washer	2	M5
35	41785229870	Bracket	1	
36				
37				
38	41575212200	Supporter	3	
39	A16A03X0050	Round HD. cap scr.	6	M3×5
40	11787106750	Box	1	

## AJC ASS'Y (8", Distance between center 1000)

List No. 51719602100

No.	Parts No.	Parts name	Q'ty	Remarks
41	21807106100	Door	1	
42	31787106760	Plate	1	
43	31787106770	Plate	1	
44	41787106780	Plate	2	
45	A06CB060120	Skt. HD. cap scr.	22	M6×12
46	Z11TU000180	Hinge	3	B-98-2(TAKIGEN)
47	A05TU000540	Special bolt	2	M6×22 A-176
48	41719601010	Hose	1	70×9×3000(TOKAI)
49	41719601020	Hose	1	15×9×3000(TOKAI)
50	H28TQ120060	Adapter	2	12-0606 (TOKAI)
51	H28TQ130060	Adapter	2	13-0606 (TOKAI)
52	21714848310	Cover	1	AJC 10
53	A16C06X0150	Decorativ scr.	10	M6×15
54	A41TU0KM060	Washer	10	M6.
55	31714848290	Plate	1	
56	A16A06X0120	Round HD. cap scr.	16	M6×12
57	41719601090	Plate	1	
58	41719601100	Packing	1	
59	31719600101	Bracket	1	
60	A06CB080160	Skt. HD. cap scr.	3	M8×16
61	A41JJ00M080	Washer	3	M8
62	A43JJ00M080	Spring LK. washer	3	M8

## AJC ASS'Y (8", Distance between center 1500)

List No. 51719602200

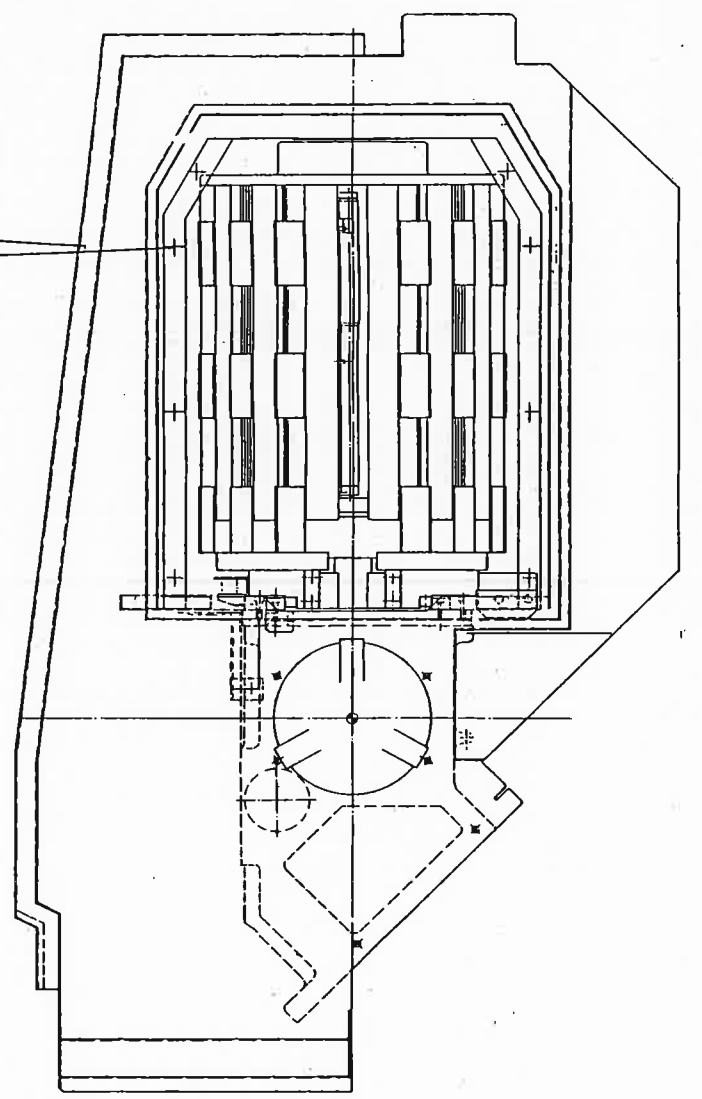
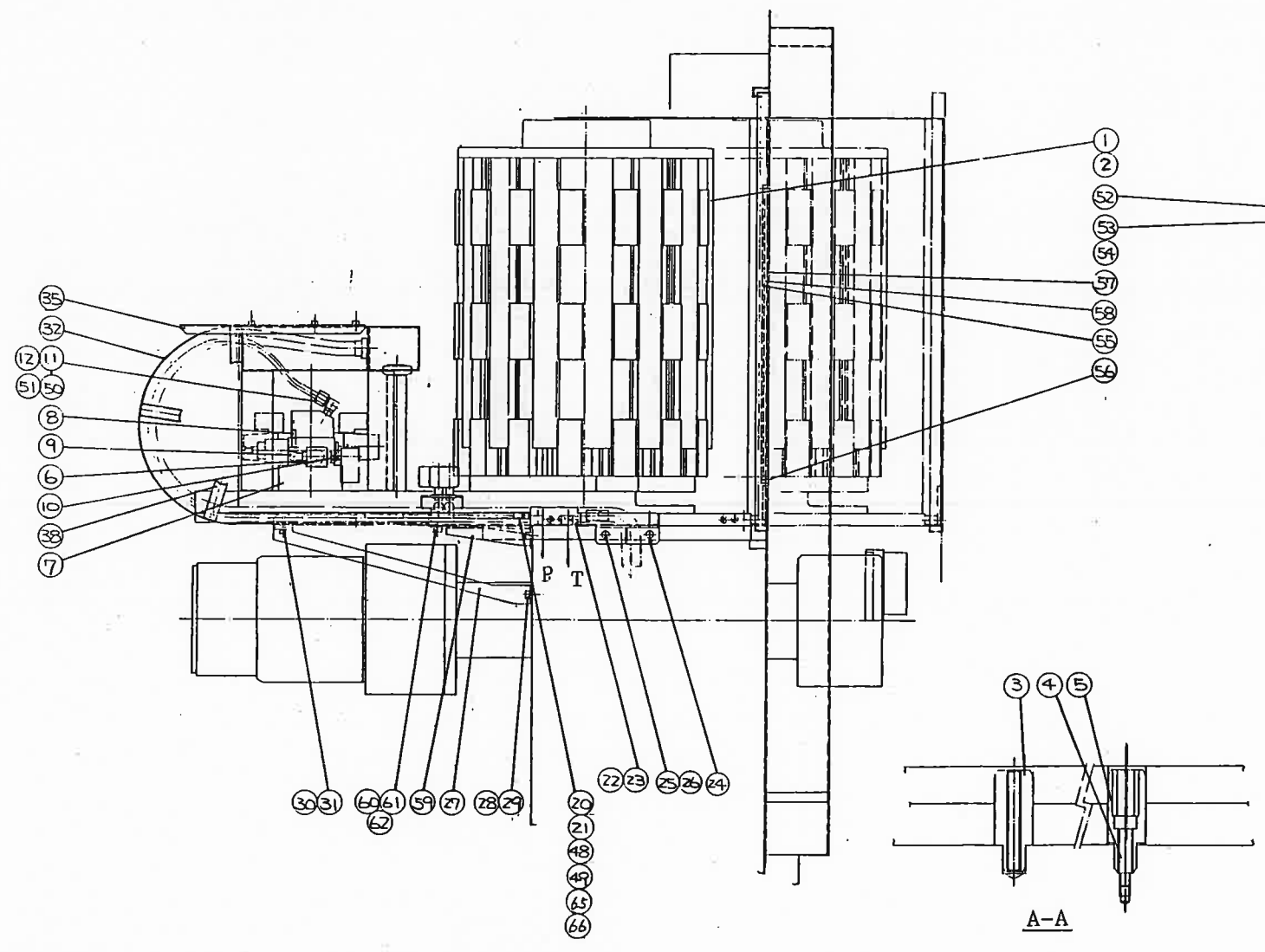
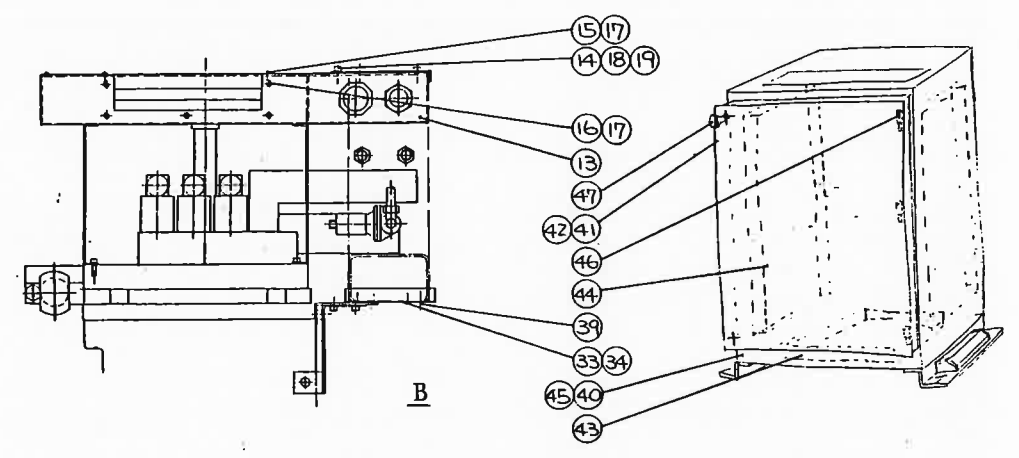
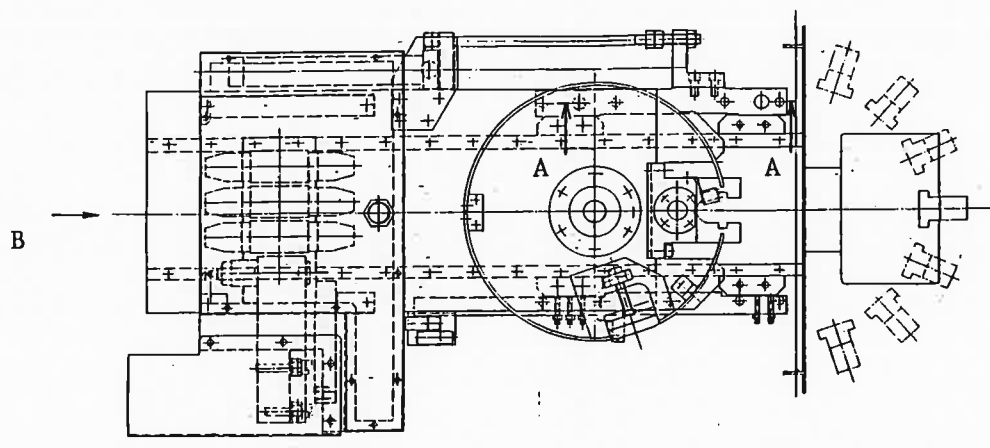
No.	Parts No.	Parts name	Q'ty	Remarks
1	M31HD000070	JAC	1	AJC308-Y1A (HOWA)
2	M31HD000080	Base jaw	15set	H028M8A6-J (HOWA)
3	41780130860	Pin	1	
4	41780131951	Pin	1	
5	A06CB060250	Skt. HD. cap scr.	1	M6×25
6	G50SV001770	Solenoid valve	1	VPW2145-031C (SHOUKETSU)
7	H14SV000260	Union soint	1	H10-03 (SHOUKETSU)
8	H14SV001530	Nylon tube	1	T1075B×4000 (SHOUKETSU)
9	H14SV000900	Elbow union	1	DL10-03 (SHOUKETSU)
10	H23NN000920	Nipple	1	PT3/8 (NTN)
11	H28TQ130060	Adapter	2	13-0606 (TOKAI)
12	H28TQ120060	Adapter	2	12-0606 (TOKAI)
13	11785816682	Box	1	
14	A06CB060120	Skt. HD. cap scr.	4	M6×12
15	A16A05X0080	Round HD. cap scr.	11	M5×8
16	A16A05X0050	Round HD. cap scr.	5	M5×5
17	A41JJ00M050	Washer	16	M5
18	A43JJ00M060	Spring LK. washer	4	M6
19	A41JJ00M060	Washer	4	M6
20	41719600130	Hose	1	70×9×1150 (TOKAI)
21	41719600140	Hose	1	15×9×1150 (TOKAI)
22	31719600170	Manifold	1	
23	A06CB060100	Skt. HD. cap scr.	2	M6×10
24	21719600150	Bracket	1	
25	A06CB080160	Skt. HD. cap scr.	2	M8×16
26	A41JJ00M080	Washer	2	M8
27	31719600160	Bracket	1	
28	A06CB080160	Skt. HD. cap scr.	1	M8×16
29	A41JJ00M080	Washer	1	M8
30	A06CB060120	Skt. HD. cap scr.	2	M6×12
31	A41JJ00M060	Washer	2	M6
32	41785229880	Spring	1	
33	A16A05X0080	Round HD. cap scr.	2	M5×8
34	A41JJ00M050	Washer	2	M5
35	41785229870	Bracket	1	
36				
37				
38	41575212200	Supporter	3	
39	A16A03X0050	Round HD. cap scr.	6	M3×5
40	11787106750	Box	1	

## AJC ASS'Y (8", Distance between center 1500)

List No. 51719602200

No.	Parts No.	Parts name	Q'ty	Remarks
41	21807106100	Door	1	
42	31787106760	Plate	1	
43	31787106770	Plate	1	
44	41787106780	Plate	2	
45	A06CB060120	Skt. HD. cap scr.	22	M6×12
46	Z11TU000180	Hinge	3	B-98-2 (TAKIGEN)
47	A05TU000540	Special bolt	2	M6×22 A-176
48				
49				
50	H28TQ120060	Adapter	2	12-0606 (TOKAI)
51	H28TQ130060	Adapter	2	13-0606 (TOKAI)
52	21714848310	Cover	1	AJC 10
53	A16C06X0150	Decorativ scr.	10	M6×15
54	A41TU0KM060	Washer	10	M6
55	31714848290	Plate	1	
56	A16A06X0120	Round HD. cap scr.	16	M6×12
57	41719601090	Plate	1	
58	41719601100	Packing	1	
59	31719600101	Bracket	1	
60	A06CB080160	Skt. HD. cap scr.	3	M8×16
61	A41JJ00M080	Washer	3	M8
62	A43JJ00M080	Spring LK. washer	3	M8
63	41719601050	Hose	1	70×9×3000 (TOKAI)
64	41719601060	Hose	1	15×9×3000 (TOKAI)





<b>Mazak</b>	SPECIFICATION APPLY : (10", 1000-1500)	ASSEMBLY NAME : AJC ASS'Y	Page
		DRAWING NO : 017196A0020	14-6

## AJC ASS'Y (10", Distance between center 1000)

List No. 51719602300

No.	Parts No.	Parts name	Q'ty	Remarks
1	M31HD000100	AJC	1	AJC308-Y1A(HOWA)
2	M31HD000060	Base jaw	15set	H028M10(HOWA)
3	41719601070	Pin	1	
4	41719601080	Pin	1	
5	A06CB060250	Skt. HD. cap scr.	1	M6×25
6	G50SV001770	Solenoid valve	1	VPW2145-031C(SHOUKETSU)
7	H14SV000260	Union soint	1	H10-03(SHOUKETSU)
8	H14SV001530	Nylon tube	1	T1075B×4000(SHOUKETSU)
9	H14SV000900	Elbow union	1	DL10-03(SHOUKETSU)
10	H23NN000920	Nipple	1	PT3/8 (NTN)
11	H28TQ130060	Adapter	2	13-0606 (TOKAI)
12	H28TQ120060	Adapter	2	12-0606 (TOKAI)
13	11785816682	Box	1	
14	A06CB060120	Skt. HD. cap scr.	4	M6×12
15	A16A05X0080	Round HD. cap scr.	11	M5×8
16	A16A05X0050	Round HD. cap scr.	5	M5×5
17	A41JJ00M050	Washer	16	M5
18	A43JJ00M060	Spring LK. washer	4	M6
19	A41JJ00M060	Washer	4	M6
20	41719600130	Hose	1	70×9×1150(TOKAI)
21	41719600140	Hose	1	15×9×1150(TOKAI)
22	31719600170	Manifold	1	
23	A06CB060100	Skt. HD. cap scr.	2	M6×10
24	21719600150	Bracket	1	
25	A06CB080160	Skt. HD. cap scr.	2	M8×16
26	A41JJ00M080	Washer	2	M8
27	31719600160	Bracket	1	
28	A06CB080160	Skt. HD. cap scr.	1	M8×16
29	A41JJ00M080	Washer	1	M8
30	A06CB060120	Skt. HD. cap scr.	2	M6×12
31	A41JJ00M060	Washer	2	M6
32	41785229880	Spring	1	
33	A16A05X0080	Round HD. cap scr.	2	M5×8
34	A41JJ00M050	Washer	2	M5
35	41785229870	Bracket	1	
36				
37				
38	41575212200	Supporter	3	
39	A16A03X0050	Round HD. cap scr.	6	M3×5
40	11787106750	Box	1	

## AJC ASS'Y (10", Distance between center 1000)

List No. 51719602300

No.	Parts No.	Parts name	Q'ty	Remarks
41	21807106100	Door	1	
42	31787106760	Plate	1	
43	31787106770	Plate	1	
44	41787106780	Plate	2	
45	A06CB060120	Skt. HD. cap scr.	22	M6×12
46	Z11TU000180	Hinge	3	B-98-2 (TAKIGEN)
47	A05TU000540	Special bolt	2	M6×22 A-176 (TOKAI)
48	41719601010	Hose	1	70×9×3000 (TOKAI)
49	41719601020	Hose	1	15×9×3000 (TOKAI)
50	H28TQ120060	Adapter	2	12-0606 (TOKAI)
51	H28TQ130060	Adapter	2	13-0606 (TOKAI)
52	21714848300	Cover	1	AJC 10
53	A16C06X0150	Decorativ scr.	10	M6×15
54	A41TU0KM060	Washer	10	M6
55	31714848290	Plate	1	
56	A16A06X0120	Round HD. cap scr.	16	M6×12
57	41719601090	Plate	1	
58	41719601100	Packing	1	
59	31719601030	Bracket	1	
60	A06CB080160	Skt. HD. cap scr.	3	M8×16
61	A41JJ00M080	Washer	3	M8
62	A43JJ00M080	Spring LK. washer	3	M8
63	31719601041	Base	1	
64	A06CB080350	Skt. HD. cap scr.	8	M8×35

## AJC ASS'Y (10", Distance between center 1500)

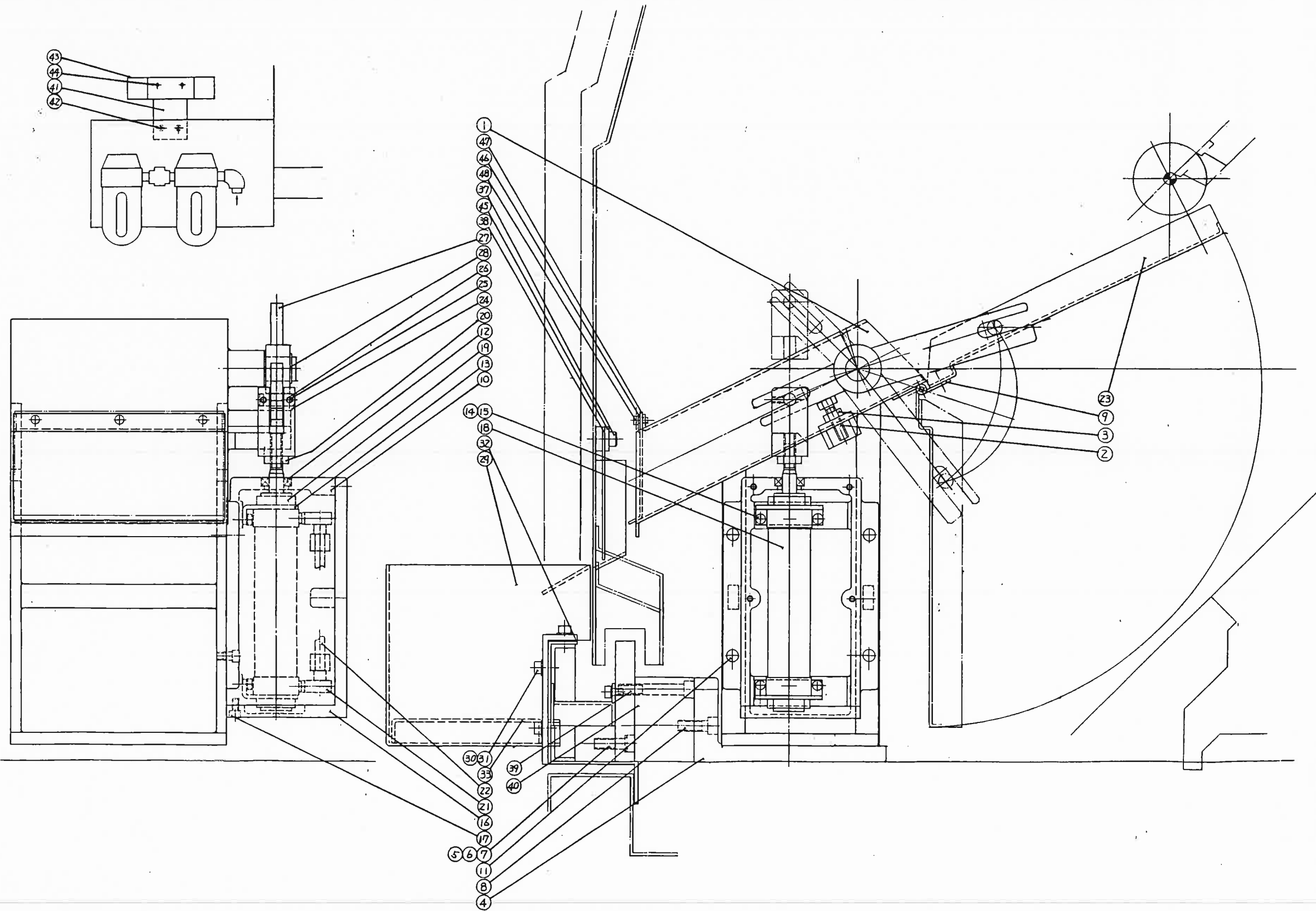
List No. 51719602400

No.	Parts No.	Parts name	Q'ty	Remarks
1	M31HD000100	AJC	1	AJC308-Y1A(HOWA)
2	M31HD000060	Base jaw	15set	H028M10(HOWA)
3	41719601070	Pin	1	
4	41719601080	Pin	1	
5	A06CB060250	Skt. HD. cap scr.	1	M6×25
6	G50SV001770	Solenoid valve	1	VPW2145-031C(SHOUKETSU)
7	H14SV000260	Union soint	1	H10-03(SHOUKETSU)
8	H14SV001530	Nylon tube	1	T1075B×4000(SHOUKETSU)
9	H14SV000900	Elbow union	1	DL10-03(SHOUKETSU)
10	H23NN000920	Nipple	1	PT3/8 (NTN)
11	H28TQ130060	Adapter	2	13-0606 (TOKAI)
12	H28TQ120060	Adapter	2	12-0606 (TOKAI)
13	11785816682	Box	1	
14	A06CB060120	Skt. HD. cap scr.	4	M6×12
15	A16A05X0080	Round HD. cap scr.	11	M5×8
16	A16A05X0050	Round HD. cap scr.	5	M5×5
17	A41JJ00M050	Washer	16	M5
18	A43JJ00M060	Spring LK. washer	4	M6
19	A41JJ00M060	Washer	4	M6
20	41719600130	Hose	1	70×9×1150(TOKAI)
21	41719600140	Hose	1	15×9×1150(TOKAI)
22	31719600170	Manifold	1	
23	A06CB060100	Skt. HD. cap scr.	2	M6×10
24	21719600150	Bracket	1	
25	A06CB080160	Skt. HD. cap scr.	2	M8×16
26	A41JJ00M080	Washer	2	M8
27	31719600160	Bracket	1	
28	A06CB080160	Skt. HD. cap scr.	1	M8×16
29	A41JJ00M080	Washer	1	M8
30	A06CB060120	Skt. HD. cap scr.	2	M6×12
31	A41JJ00M060	Washer	2	M6
32	41785229880	Spring	1	
33	A16A05X0080	Round HD. cap scr.	2	M5×8
34	A41JJ00M050	Washer	2	M5
35	41785229870	Bracket	1	
36				
37				
38	41575212200	Supporter	3	
39	A16A03X0050	Round HD. cap scr.	6	M3×5
40	11787106750	Box	1	

## AJC ASS'Y (10", Distance between center 1500)

List No. 51719602400

No.	Parts No.	Parts name	Q'ty	Remarks
41	21807106100	Door	1	
42	31787106760	Plate	1	
43	31787106770	Plate	1	
44	41787106780	Plate	2	
45	A06CB060120	Skt. HD. cap scr.	22	M6×12
46	Z11TU000180	Hinge	3	B-98-2 (TAKIGEN)
47	A05TU000540	Special bolt	2	M6×22 A-176 (TOKAI)
48				
49				
50	H28TQ120060	Adapter	2	12-0606 (TOKAI)
51	H28TQ130060	Adapter	2	13-0606 (TOKAI)
52	21714848300	Cover	1	AJC 10
53	A16C06X0150	Decorativ scr.	10	M6×15
54	A41TU0KM060	Washer	10	M6
55	31714848290	Plate	1	
56	A16A06X0120	Round HD. cap scr.	16	M6×12
57	41719601090	Plate	1	
58	41719601100	Packing	1	
59	31719601030	Bracket	1	
60	A06CB080160	Skt. HD. cap scr.	3	M8×16
61	A41JJ00M080	Washer	3	M8
62	A43JJ00M080	Spring LK. washer	3	M8
63	31719601041	Base	1	
64	A06CB080350	Skt. HD. cap scr.	8	M8×35
65	41719601050	Hose	1	70×9×3000 (TOKAI)
66	41719601060	Hose	1	15×9×3000 (TOKAI)



AUTO PARTS CATCHER ASS'Y

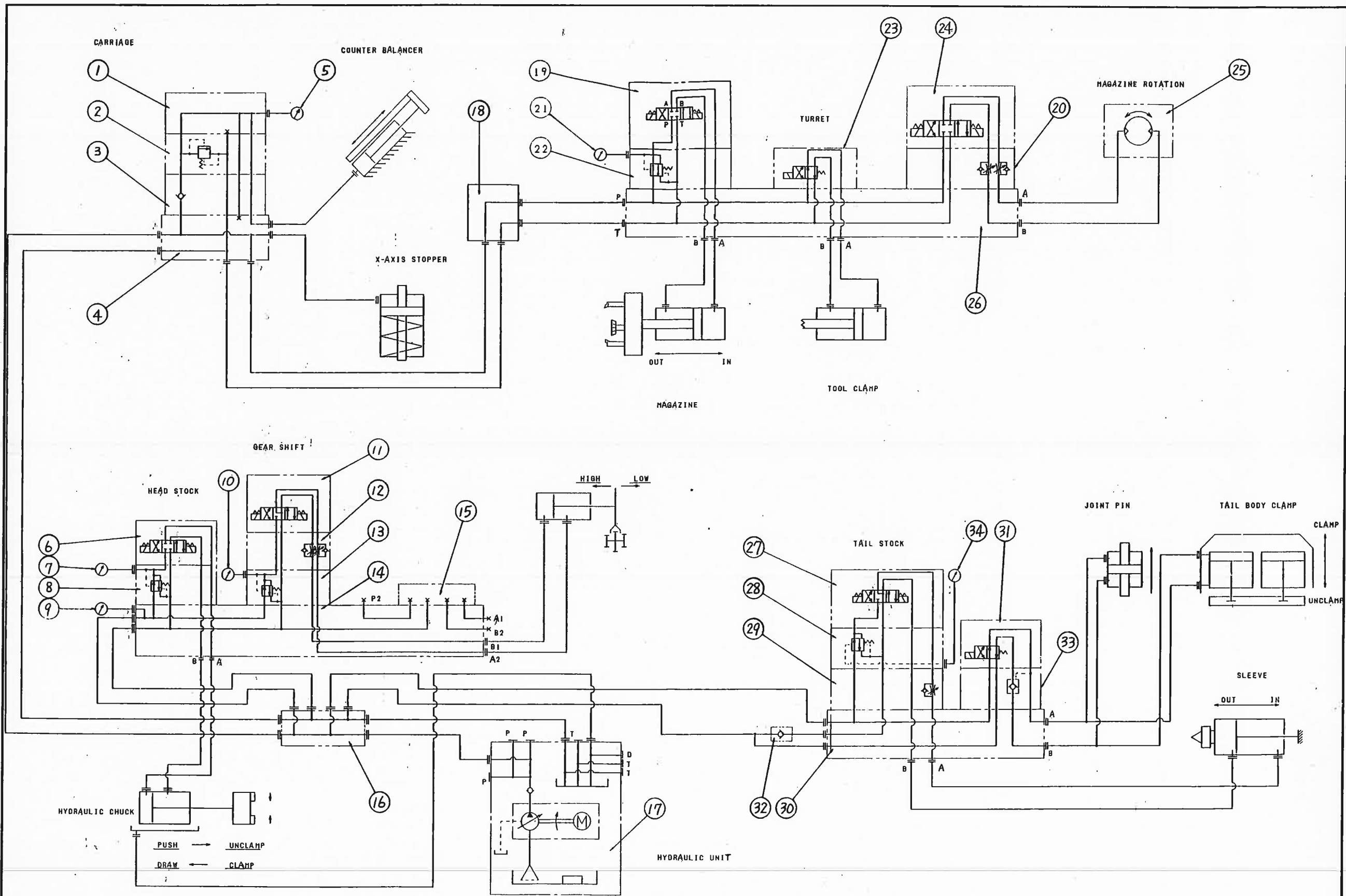
Unit No. 51739800100

No.	Parts No.	Parts Name	Q'ty	Remarks
1	11739825100	Shoot	1	
2	A17HB080300	Hex. bolt	1	M8×30
3	A40JJ00M080	Hex. bolt	1	M8 1-type
4	11739809471	Bracket	1	
5	A06CB080250	Skt. HD. cap scr.	4	M8×25
6	A43JJ00M080	Spring LK. washer	4	M8
7	A41JJ00M080	Plain washer	4	M8
8	A06CB080250	Skt. HD. cap scr.	4	M8×25
9	Z11TU000110	Hinge	2	B-42-2 (TAKIGEN)
10	21719820082	Cover	11	
11	A06CB050100	Skt. HD. cap scr.	4	M5×10
12	J01AC0382A0	Oil seal	1	AC0382A0 (OIL SEAL)
13	41719820110	Bracket	2	
14	A06CB050100	Skt. HD. cap scr.	4	M5×10
15	A43JJ00M050	Plain washer	4	M5
16	21719820071	Cover	1	
17	A06CB050100	Skt. HD. cap scr.	6	M5×10
18	G20SV006230	Cylinder	1	CDML30×90-57 (SHOKETSU)
19	A24SV000290	Hex. nut	2	SN-03 (SHOKETSU)
20	A24SV000280	Hex. nut	1	NT-03 (SHOKETSU)
21	H14SV001340	Elbow union	2	DL08-01 (SHOKETSU)
22		Nylon tube	1	T0806 3000 (SHOKETSU)
23	21739825110	Shoot	1	
24	41739825130	Joint	1	
25	A15B05X0100	Skt. set scr. (Flat p.)	2	M5×10
26	41719820090	Pin	1	
27	31739825120	Arm	1	
28	A35000S0200	Retain. ring (C-type)	1	S20
29	11719820021	Box	1	
30	A06CB060100	Skt. HD. cap scr.	19	M6×10
31	A43JJ00M060	Spring LK. washer	19	M6
32	41719820031	Packing	1	
33	31719820010	Plate	1	
34				
35				
36				
37	A06CB050100	Skt. HD. cap scr.	3	M5×10
38	41719820141	Cover	1	
39	A06CB080550	Skt. HD. cap scr.	6	M8×55
40	31739809460	Block	7	

AUTO PARTS CATCHER ASS'Y

Unit No. 51739800100

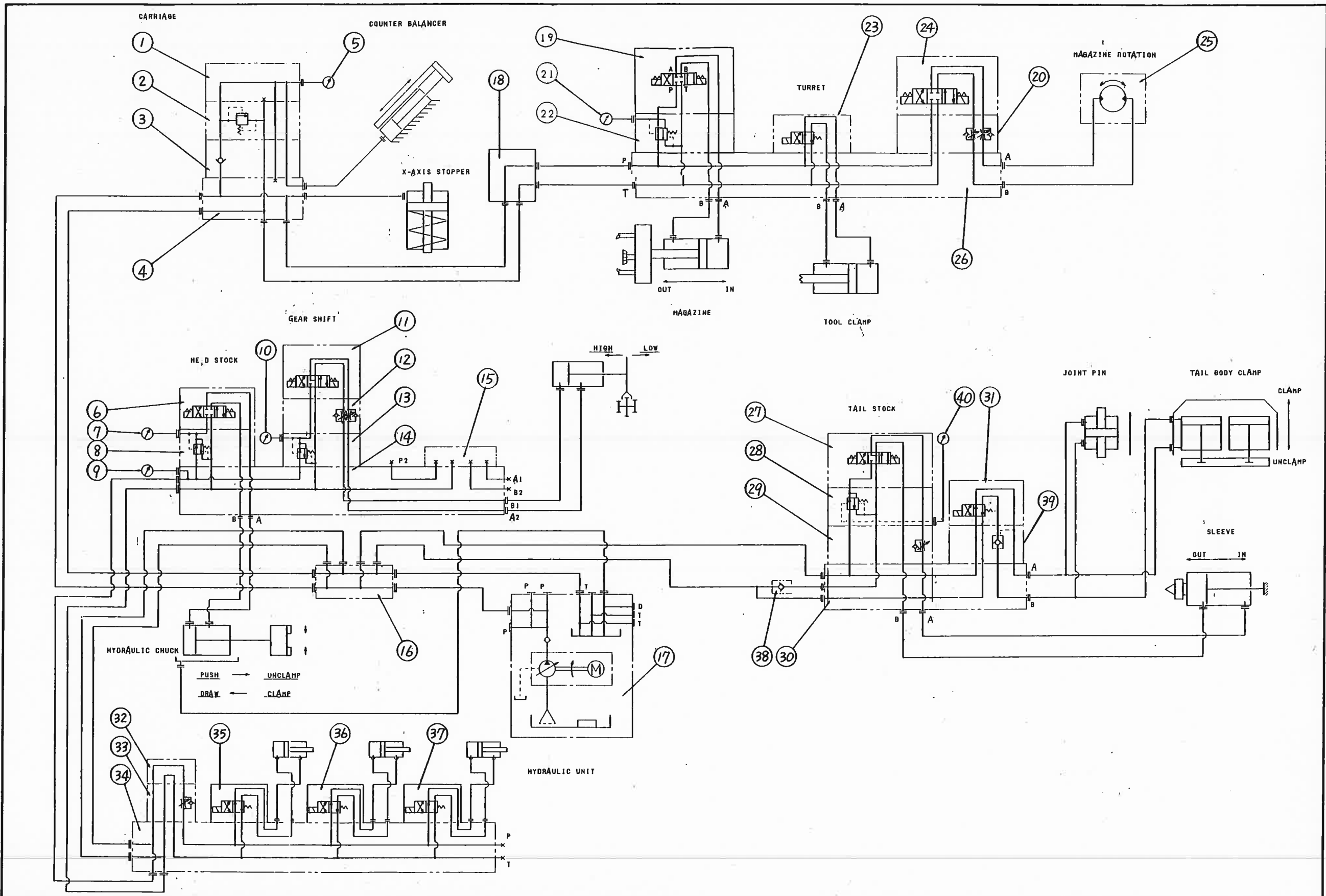
No.	Parts No.	Parts Name	Q'ty	Remarks
41	41719809760	Bracket	1	
42	A40JJ00M060	Hex. nut	2	M6
43	G50SV003150	Solenoid valve	1	VF3120-1G-02R (SHOUKETSU)
44	A06CB040300	Skt. HD. cap scr.	2	M4×30
45	41719809780	Plate	1	
46	41719825140	Plate	1	
47	41719825150	Packing	1	(NEOBURENGOMU)
48	A06CB040080	Skt. HD. cap scr.	3	M4×8



## HYDRAULIC CIRCUIT ASS'Y (Std.) (ST-25)

List No. 3171HCD0091

No.	Parts No.	Parts name	Q'ty	Remarks
1	41775224920	Manifold	1	
2	G12TK000040	Relief valve	1	DGMC-3-P-T-CW-21-JA-S2 (TOKYO KEIKI)
3	G14FH000110	Check valve	1	OC-G01-P1-20 (NACHI)
4	11713513521	Manifold	1	
5	41146012480	Pressure gauge	1	Counter balance
6	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11 (NACHI)
7	41146012521	Pressure gauge	1	Chuck (ASAHI KEIKI)
8	G11FH001060	Reducing valve	1	OG-G01-PC-K-12 (NACHI)
9	41725234810	Pressure gauge	1	Mein (ASAHI KEIKI)
10	41710137270	Pressure gauge	1	Shifter (ASAHI KEIKI)
11	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11 (NACHI)
12	G17FH000450	Flow regulator	1	OCY-G01-W-Y-20 (NACHI)
13	G11FH000530	Reducing valve	1	OC-G01-P1-K-20 (NACHI)
14	11710133161	Manifold	1	
15	41615230810	Plate	1	
16	21715233721	Block	1	
17	G49FH004850	Hydro power unit	1	AZH-1944-020 (NACHI)
18	21711549430	Manifold	1	
19	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11 (NACHI)
20	G17FH000450	Flow regulator	1	OCY-G01-W-Y-20 (NACHI)
21	41711555120	Pressure gauge	1	(ASAHI KEIKI)
22	G11FH000800	Reducing valve	1	OG-G01-P1-20 (NACHI)
23	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
24	G16FH002350	Solenoid valve	1	SS-G01-C5-C1-11 (NACHI)
25	G10SD000120	Motor	1	H-050-BC4 (SUMITOMO)
26	G27FH000180	Base block	1	(NACHI)
27	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11 (NACHI)
28	G11FH000940	Reducing valve	1	OG-G01-B1-K-5708A (NACHI)
29	G17FH001020	Flow regulator	1	OCY-G01-A-Y-K-6626A (NACHI)
30	11713726875	Bracket	1	
31	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
32	G14FH000130	Check valve	1	CN-T03-1-10 (NACHI)
33	G14RH000170	Pilot check valve	1	OCP-G01-B1-20 (ASAHI KEIKI)
34	31713726910	Thrust gauge	1	(ASAHI KEIKI)

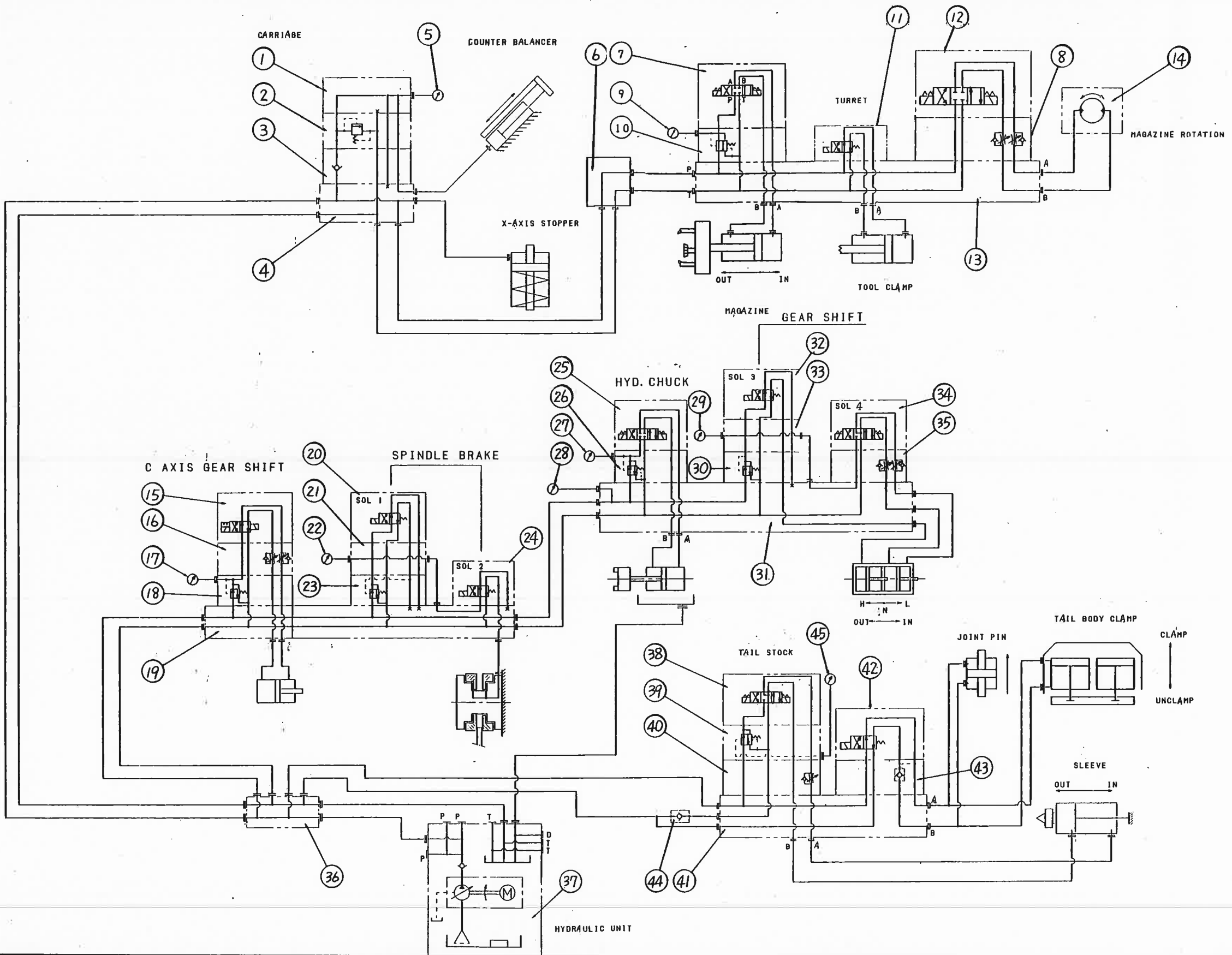




## HYDRAULIC CIRCUIT ASS'Y (1°-index) (ST-25)

List No. 3172HCD0011

No.	Parts No.	Parts name	Q'ty	Remarks
1	41775224920	Manifold	1	
2	G12TK000040	Relief valve	1	DGMC-3-P-T-CW-21-JA-S2 (TOKYO KEIKI)
3	G14FH000110	Check valve	1	OC-G01-P1-20 (NACHI)
4	11713513521	Manifold	1	
5	41146012480	Pressure gauge	1	Counter balance (ASAHI KEIKI)
6	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11 (NACHI)
7	41146012521	Pressure gauge	1	Chuck (ASAHI KEIKI)
8	G11FH001060	Reducing valve	1	OG-G01-PC-K-12 (NACHI)
9	41725234810	Pressure gauge	1	Mein (ASAHI KEIKI)
10	41710137270	Pressure gauge	1	Shifter (ASAHI KEIKI)
11	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11 (NACHI)
12	G17FH000450	Flow regulator	1	OCY-G01-W-Y-20 (NACHI)
13	G11FH000530	Reducing valve	1	OC-G01-P1-K-20 (NACHI)
14	11710133162	Manifold	1	
15	41615230810	Plate	1	
16	21715233721	Block	1	
17	G49FH004850	Hydro power unit	1	AZH-1944-020 (NACHI)
18	21711549432	Manifold	1	
19	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11 (NACHI)
20	G17FH000450	Flow regulator	1	OCY-G01-W-Y-11 (NACHI)
21	41711555120	Pressure gauge	1	(ASAHI KEIKI)
22	G11FH000800	Reducing valve	1	OG-G01-P1-20 (NACHI)
23	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
24	G16FH002350	Solenoid valve	1	SS-G01-C5-C1-11 (NACHI)
25	G10SD000120	Motor	1	H-050-BC4 (SUMITOMO)
26	G27FH000180	Base block	1	(NACHI)
27	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11 (NACHI)
28	G11FH000940	Reducing valve	1	OG-G01-B1-K-5708A (NACHI)
29	G17FH001020	Flow regulator	1	OCY-G01-A-Y-K-6626A (NACHI)
30	11713726875	Bracket	1	
31	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
32	31725233870	Block	1	
33	G17FH000560	Flow regulator	1	OCY-G01-A-X-20
34	21725235150	Manifold	1	
35	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
36	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
37	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
38	G14FH000130	Check valve	1	CN-T03-1-10 (NACHI)
39	G14FH000170	Pilot check valve	1	OCP-G01-B1-20 (NACHI)
40	31713726910	Thrust gauge	1	(ASAHI KEIKI)



## HYDRAULIC CIRCUIT ASS'Y (With C-axis) (ST-25)

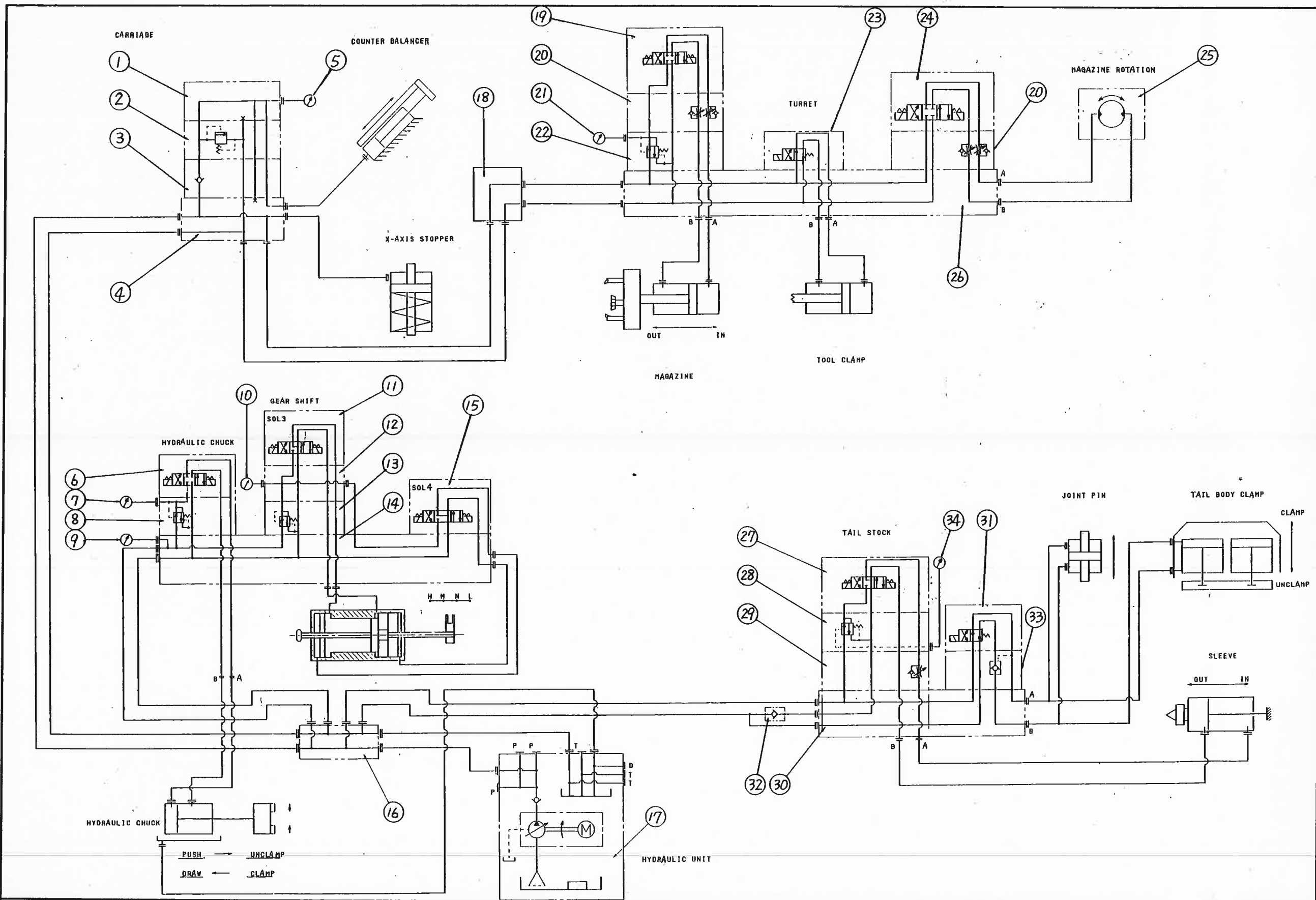
List No. 3172HCD0021

No.	Parts No.	Parts name	Q'ty	Remarks
1	41775224920	Manifold	1	
2	G12TK000040	Relief valve	1	DGMC-3-P-T-CW-21-JA-S2 (TOKYO KEIKI)
3	G14FH000110	Check valve	1	OC-G01-P1-10 (NACHI)
4	11713513521	Manifold	1	
5	41146012480	Pressure gauge	1	Counter balance (ASAHI KEIKI)
6	21711549432	Manifold	1	
7	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11 (NACHI)
8	G17FH000450	Flow regulator	1	OCY-G01-W-Y-11 (NACHI)
9	41711555120	Pressure gauge	1	(ASAHI KEIKI)
10	G11FH000800	Reducing valve	1	OG-G01-P1-20 (NACHI)
11	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
12	G16FH002350	Solenoid valve	1	SS-G01-C5-C1-11 (NACHI)
13	G27FH000180	Base block	1	(NACHI)
14	G10SD000120	Motor	1	H-050-BC4 (SUMITOMO)
15	G16FH000350	Solenoid valve	1	SA-G01-E3X-C1-11 (NACHI)
16	G17FH000450	Flow regulator	1	OCY-G01-W-Y-20 (NACHI)
17	41725235120	Pressure gauge	1	(ASAHI KEIKI)
18	G11FH001060	Reducing valve	1	OG-G01-PC-K-12 (NACHI)
19	11715231650	Manifold	1	
20	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
21	G27FH001090	Modular valve	1	OK-G01-P-11 (NACHI)
22	41725235110	Pressure gauge	1	(ASAHI KEIKI)
23	G11FH000210	Reducing valve	1	OG-G01-B1-20 (NACHI)
24	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
25	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11 (NACHI)
26	G11FH001060	Reducing valve	1	OG-G01-PC-K-12 (NACHI)
27	41146012521	Pressure gauge	1	Chuck (ASAHI KEIKI)
28	41725234810	Pressure gauge	1	Mein (ASAHI KEIKI)
29	41710137270	Pressure gauge	1	Shifter (ASAHI KEIKI)
30	G11FH000530	Reducing valve	1	OG-G01-PC-K-20 (NACHI)
31	11710133162	Manifold	1	
32	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
33	G27FH001090	Modular block	1	OK-G01-P-11 (NACHI)
34	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11 (NACHI)
35	G17FH000450	Flow regulator	1	OCY-G01-W-Y-20 (NACHI)
36	21715233721	Block	1	
37	G49FH004850	Hydro power unit	1	AZH-1944-020 (NACHI)
38	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11 (NACHI)
39	G11FH000940	Reducing valve	1	OG-G01-B1-K-5708A (NACHI)
40	G17FH001020	Flow regulator	1	OCY-G01-A-Y-K-8626A (NACHI)

## HYDRAULIC CIRCUIT ASS'Y (With C-axis) (ST-25)

List No. 3172HCD0021

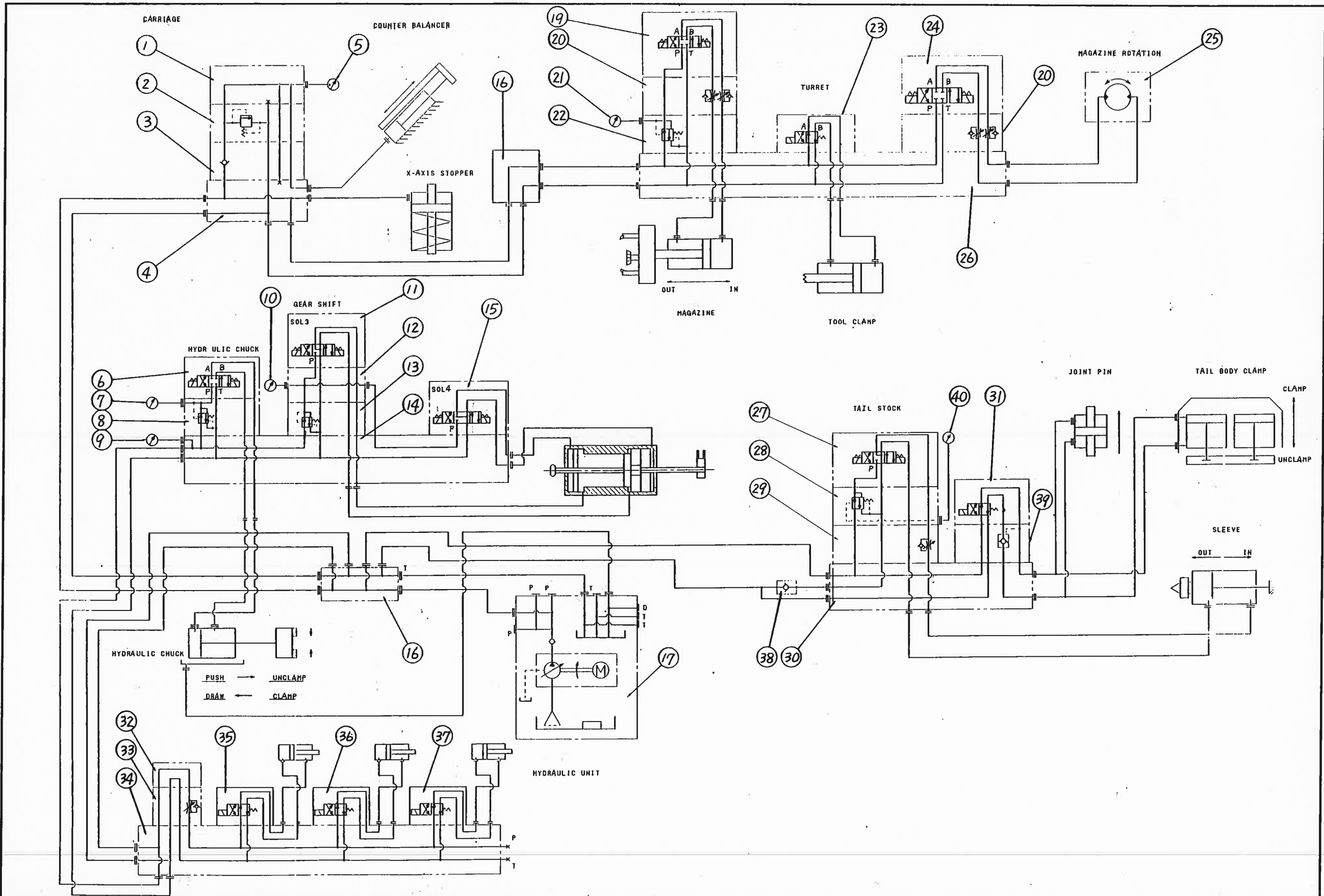
No.	Parts No.	Parts name	Q'ty	Remarks
41	11713726875	Bracket	1	
42	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
43	G14FH000170	Pilot check valve	1	OCP-G01-B1-20 (NACHI)
44	G14FH000130	Check valve	1	CN-T03-1-10 (NACHI)
45	37173726910	Thrust gauge	1	(ASAHI KEIKI)



## HYDRAULIC CIRCUIT ASS'Y (STD.) (ST-30)

List No. 3173HCD0011

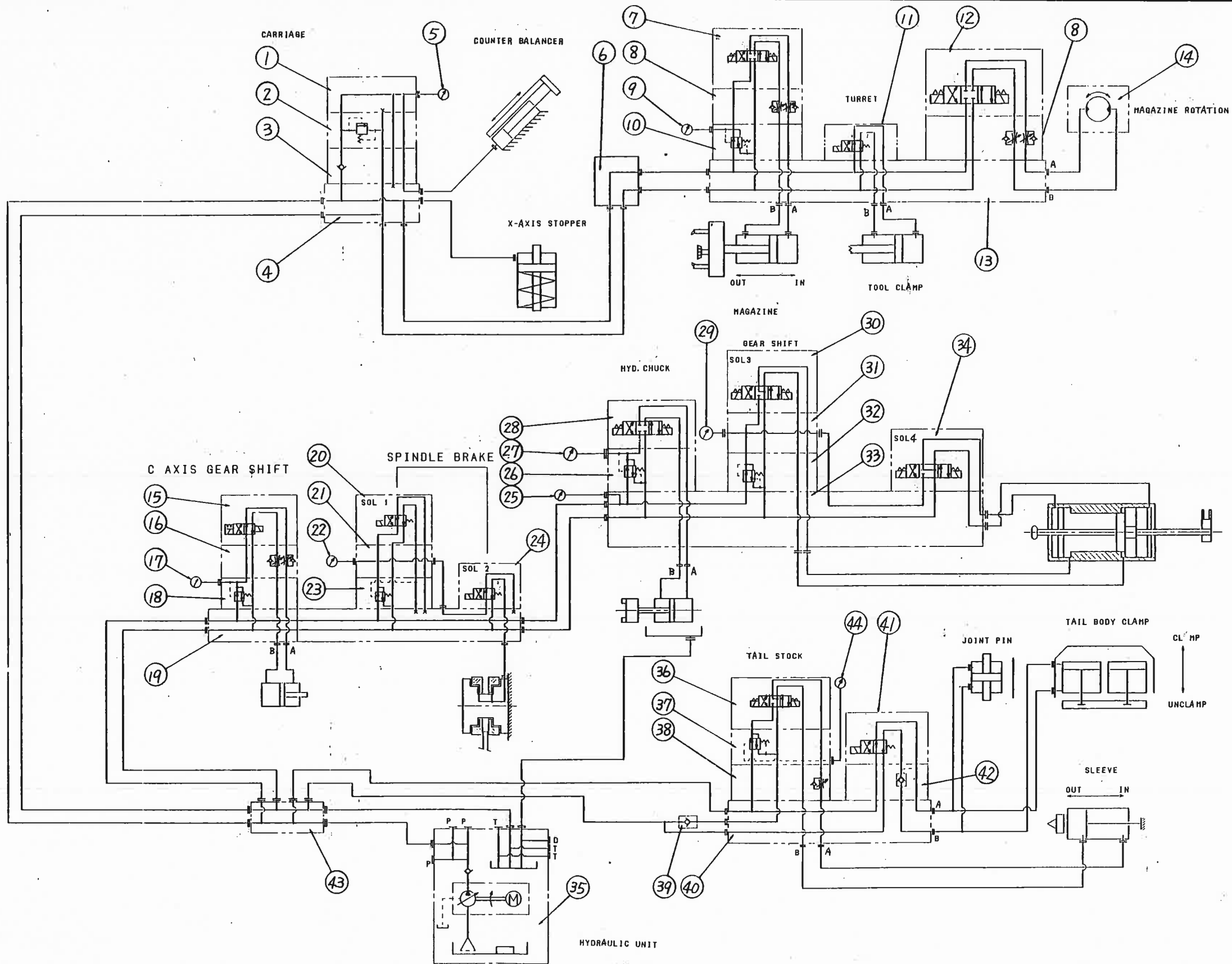
No.	Parts No.	Parts name	Q'ty	Remarks
1	41775224920	Manifold	1	
2	G12TK000040	Relief valve	1	DGMC-3-P-T-CW-21-JA-S2
3	G14HF000110	Check valve	1	OC-G01-P1-20 (NACHI)
4	11713513521	Manifold	1	
5	41146012480	Pressure gauge	1	(ASAHI KEIKI)
6	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11 (NACHI)
7	41146012521	Pressure gauge	1	(ASAHI KEIKI)
8	G11FH001060	Reducing valve	1	OG-G01-PC-K-12 (NACHI)
9	41725234810	Pressure gauge	1	(ASAHI KEIKI)
10	41735237790	Pressure gauge	1	(ASAHI KEIKI)
11	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11 (NACHI)
12	G27FH001090	Modular block	1	OK-G01-P-11 (NACHI)
13	G11FH001060	Reducing valve	1	OG-G01-PC-K-12 (NACHI)
14	11710133162	Manifold	1	
15	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11 (NACHI)
16	21715233721	Block	1	
17	G49FH004850	Hydro power unit	1	AZH-1944-020 (NACHI)
18	21711549432	Manifold	1	
19	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11 (NACHI)
20	G17FH000450	Flow regulator	2	OCY-G01-W-Y-20 (NACHI)
21	41711555120	Pressure gauge	1	(ASAHI KEIKI)
22	G11FH000800	Reducing valve	1	OG-G01-P1-20 (NACHI)
23	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
24	G16FH002350	Solenoid valve	1	SS-G01-C5-C1-11 (NACHI)
25	G10SD000120	Motor	1	H-050-BC4 (SUMITOMO)
26	G27FH000180	Base block	1	(NACHI)
27	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11 (NACHI)
28	G11FH000940	Reducing valve	1	OG-G01-B1-K-5708A (NACHI)
29	G17FH001020	Flow regulator	1	OCY-G01-A-Y-K-6626 (NACHI)
30	11713726875	Bracket	1	
31	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
32	G14FH000130	Check valve	1	CN-T03-1-10 (NACHI)
33	G14FH000170	Pilot check valve	1	OCP-G01-B1-20 (NACHI)
34	31713720910	Thrust gauge	1	(ASAHI KEIKI)



## HYDRAULIC CIRCUIT ASS'Y (1°-index) (ST-30)

List No. 3174HCD0011

No.	Parts No.	Parts name	Q'ty	Remarks
1	41775224920	Manifold	1	
2	G12TK000040	Relief valve		DGMC-3-P-T-CW-21-JA-S2 (TOKYO KEIKI)
3	G14FH000110	Check valve	1	OC-G01-P1-20
4	11713513521	Manifold	1	
5	41146012480	Pressure gauge	1	(ASAHI KEIKI)
6	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11 (NACHI)
7	41146012521	Pressure gauge	1	(ASAHI KEIKI)
8	G11FH001060	Reducing valve	1	OG-G10-PC-K-12 (NACHI)
9	41725234810	Pressure gauge	1	(ASAHI KEIKI)
10	41735237790	Pressure gauge	1	(ASAHI KEIKI)
11	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11 (NACHI)
12	G27FH001090	Modular block	1	OK-G01-P-11 (NACHI)
13	G11FH001060	Reducing valve	1	OG-G10-PC-K-12 (NACHI)
14	11710133162	Manifold	1	
15	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11 (NACHI)
16	21715233721	Block	1	
17	G49FH004850	Hydro power unit	1	AZH-1944-020 (NACHI)
18	21711549432	Manifold	1	
19	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11 (NACHI)
20	G17FH000450	Flow regulator	2	OCY-G01-W-Y-20 (NACHI)
21	41711555120	Pressure gauge	1	(ASAHI KEIKI)
22	G11FH000800	Reducing valve	1	OG-G10-P1-20 (NACHI)
23	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
24	G16FH002350	Solenoid valve	1	SA-G01-C5-C1-11 (NACHI)
25	G10SD000120	Motor	1	H-050-BC4 (SUMITOMO)
26	G27FH000180	Base block	1	(NACHI)
27	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11 (NACHI)
28	G11FH000940	Reducing valve	1	OCY-G01-B1-K-5708A (NACHI)
29	G17FH001020	Flow regulator	2	OCY-G01-A-Y-K-6620A (NACHI)
30	11713726875	Bracket	1	
31	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
32	31725233870	Block	1	
33	G17FH000560	Flow regulator	2	OCY-G01-A-X-20 (NACHI)
34	21725235150	Manifold	1	
35	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11 (NACHI)
36				
37				
38	G14FH000130	Check valve	1	CN-T03-1-10
39	G14FH000170	Pilot check valve	1	OCP-G01-B1-20
40	31713726910	Thrust gauge	1	(ASAHI KEIKI)





## HYDRAULIC CIRCUIT ASS'Y (With C-axis) (ST-30)

List No. 3174HCD0021

No.	Parts No.	Parts name	Q'ty	Remarks
1	41775224920	Manifold	1	
2	G12TK000040	Relief valve	1	DGMC-3-P-T-CW-21-JA-S2(TOKYO KEIKI)
3	G14FH000110	Check valve	1	OC-G01-P1-20
4	11713513521	Manifold	1	
5	41146012480	Pressure gauge	1	(ASAHI KEIKI)
6	21711549432	Manifold	1	
7	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11(NACHI)
8	G17FH000450	Flow regulator	2	OCY-G01-W-Y-20(NACHI)
9	41711555120	Pressure gauge	1	(ASAHI KEIKI)
10	G11FH000800	Reducing valve	1	OG-G01-P1-20(NACHI)
11	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11(NACHI)
12	G16FH002350	Solenoid valve	1	SS-G01-C5-C1-11(NACHI)
13	G27FH000180	Base block	1	(NACHI)
14	G10SD000120	Motor	1	H-050-BC4(SUMITOMO)
15	G16FH000350	Solenoid valve	1	SA-G01-E3X-C1-11(NACHI)
16	G17FH000450	Flow regulator	1	OCY-G01-W-Y-20(NACHI)
17	41725235120	Pressure gauge	1	(ASAHI KEIKI)
18	G11PH001060	Reducing valve	1	OG-G01-PC-K-12(NACHI)
19	11715231650	Manifold	1	
20	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11(NACHI)
21	G27FH001090	Modular block	1	OK-G01-P-11(NACHI)
22	41725235110	Pressure gauge	1	(ASAHI KEIKI)
23	G11FH000210	Reducing valve	1	OG-G01-B1-20(NACHI)
24	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11(NACHI)
25	41725234810	Pressure gauge	1	(ASAHI KEIKI)
26	G11FH001060	Reducing valve	1	OG-G01-PC-K-12(NACHI)
27	41146012521	Pressure gauge	1	(ASAHI KEIKI)
28	G16FH000390	Solenoid valve	1	SA-G01-C5-C1-11(NACHI)
29	41735237790	Pressure gauge	1	(ASAHI KEIKI)
30	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11(NACHI)
31	G27FH001090	Modular block	1	OK-G01-P-11(NACHI)
32	G11FH000530	Reducing valve	1	OG-G01-P1-K-20(NACHI)
33	11710133162	Manifold	1	
34	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11(NACHI)
35	G49FH004850	Hydro power unit	1	AZH-1944-020(NACHI)
36	G16FH000700	Solenoid valve	1	SA-G01-C6-C1-11(NACHI)
37	G11FH000940	Reducing valve	1	OG-G01-B1-K-5708A(NACHI)
38	G17FH001020	Flow regulator	1	OCY-G01-A-Y-K-6628A(NACHI)
39	G14FH000130	Check valve	1	CN-T03-1-10(NACHI)
40	11713726875	Bracket	1	

## HYDRAULIC CIRCUIT ASS'Y (With C-axis) (ST-30)

List No. 3174HCD0021

No.	Parts No.	Parts name	Q'ty	Remarks
41	G16FH000320	Solenoid valve	1	SA-G01-A3X-C1-11(NACHI)
42	G14FH000170	Pilot check valve	1	OCP-G01-B1-20(NACHI)
43	21715233721	Block	1	
44	31713726910	Thrust gauge	1	(ASAHI KEIKI)