

JET

**GH-1640ZX
GH-1840ZX
GH-1860ZX
GH-1880ZX**

METAL LATHE

**GH-1640ZX...321930T, 50000730T
GH-1840ZX...321950T, 50000740T
GH-1860ZX...321960T, 50000750T
GH-1880ZX...321970T, 50000760T**

3~400V, 50Hz

PARTS LIST

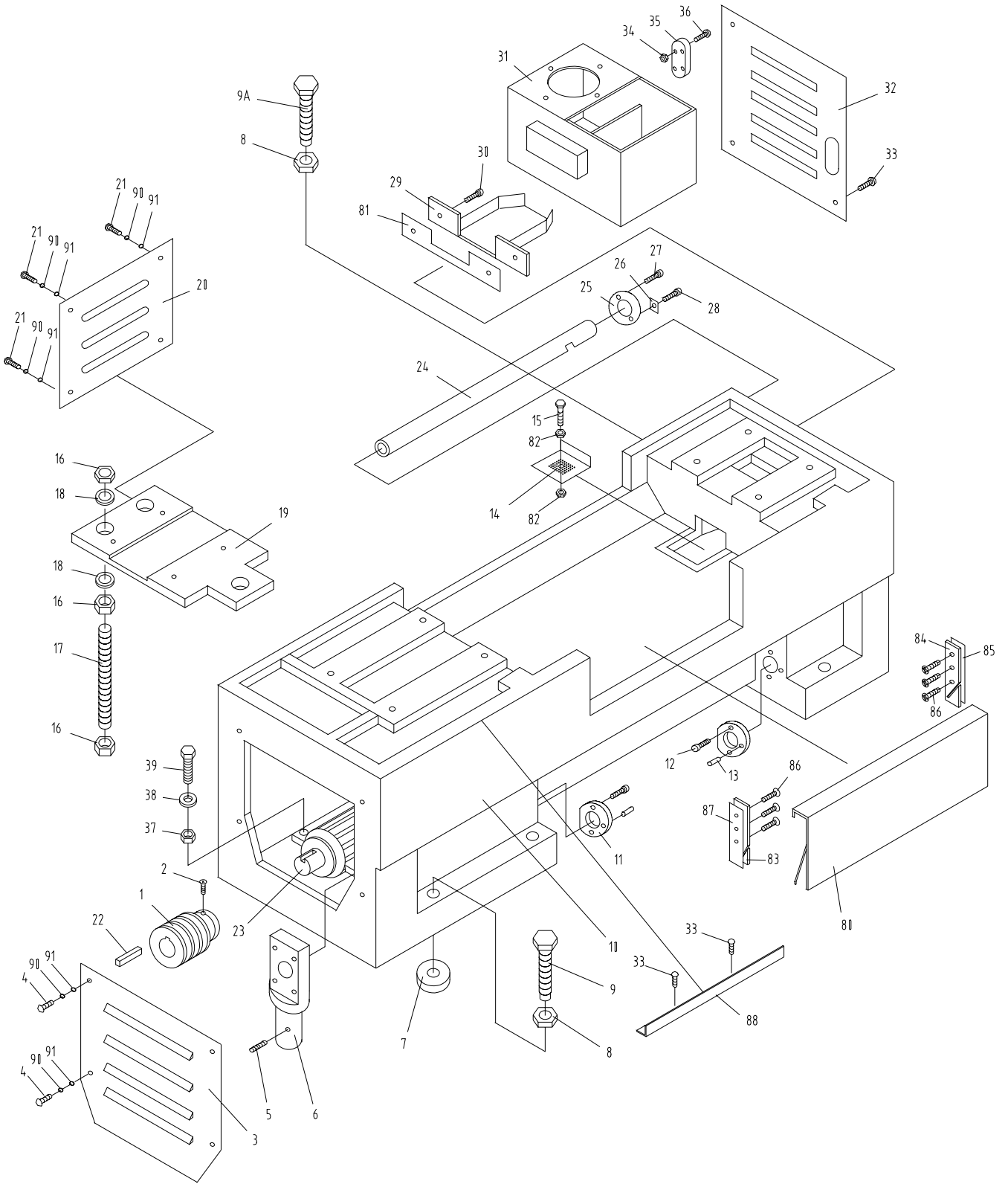
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Stand Assembly

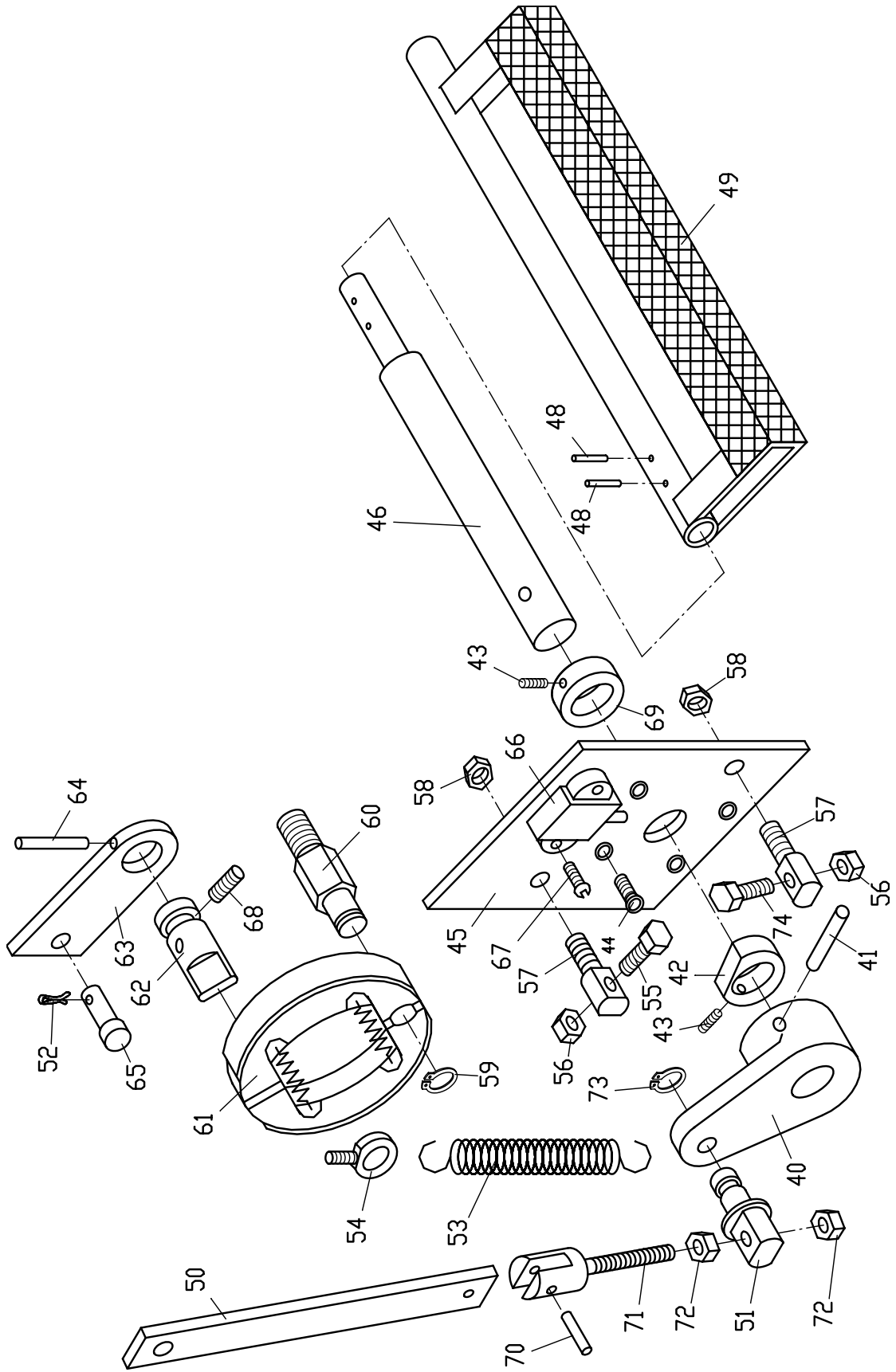


Stand Assembly

Index No.	Part No.	Description	Size	Qty.
1	ZX01101A	Pulley		1
2	ZXS2	Cylindrical End Set Screw	M8x16	1
3	ZX01734	Cover		1
4	ZXS4	Cross Head Screw	M6x14	4
5	ZXS2	Cylindrical End Set Screw	M8x16	1
6	ZX01701	Pedal Rod Support		1
7	ZX01715	Lining		6
8	TS1540231	Hex Nut	M24x2	6
9	ZX01712	Hex Cap Bolt		3
9A	ZX01713	Hex Cap Bolt		3
10	ZX01102AN	New Bed Stand (for 40" models)		1
	ZX01102BN	New Bed Stand (for 60" models)		1
	ZX01102CN	New Bed Stand (for 80" models)		1
11	ZX01703	Fixed Support		1
12	TS1514021	Socket Head Cap Screw	M6x14	4
13	ZXS13	Taper Pin	5x20	2
14	ZX01705	Water Leaking Chip Guard		1
15	ZXS15A	Cross Head Screw	M5x20	4
16	TS1540121	Hex Nut	M20	9
17	ZX01702	Bolt		3
18	TS1550111	Washer	A20	6
19	ZX01122B	Motor Mounting Plate		1
20	ZX01726	Cover		1
21	ZXS4	Cross Head Screw	M6x14	4
22	ZXS22	Key	10x8x70	1
23	ZXS23B	Main Motor	5.5Kw, 6P, 3Ph	1
24	ZX017609A	Wire Conduit (for 1640/1840ZX)		1
	ZX017609B	Wire Conduit (for 1660/1860ZX)		1
	ZX017609C	Wire Conduit (for 1880ZX)		1
26	ZX01706	Locking Plate		1
28	ZXS15	Cross Head Screw	M4x6	1
29	ZX01711	Water Reception Plate		1
30	ZXS4	Cross Head Screw	M6x14	2
31	ZX01510	Coolant Tank		1
32	ZX01714	Cover		1
33	ZXS4	Cross Head Screw	M6x14	6
34	ZXS34	Nut	M3	4
35	ZXS35	Coolant Indicator		1
36	ZXS36	Cross Head Screw	M3x20	4
37	TS1540072	Hex Nut	M10	4
38	TS1550071	Washer	M10	4
39	TS1491041	Hex Cap Bolt	M10x30	4
80	ZX01716A	Stand Front Cover (for 1640/1840ZX)		1
	ZX01716B	Stand Front Cover (for 1660/1860ZX)		1
	ZX01716C	Stand Front Cover (for 1880ZX)		1
81	ZX01501	Gasket		1
82	ZXS82	Hex Nut	M5	2
83	ZX01740	Left Tray		1
84	ZX01741	Right Tray		1
85	ZX01511	Gasket		2
86	ZXS86	Cross Head Screw	M5x16	6

Index No.	Part No.	Description	Size	Qty.
87	ZX01512	Gasket		1
	JX21004	Terminal Board (not shown)		1
	18301	Junction Box (not shown)		1
	D974	Plastic Fitting (not shown)		1
88	ZX05753	Extending Plate		1
89	ZX01703A	Fixed Support (serial # 7090341 and higher)		1
90	ZXS90	Spring Washer	6	8
91	ZXS91	Washer	M6	8

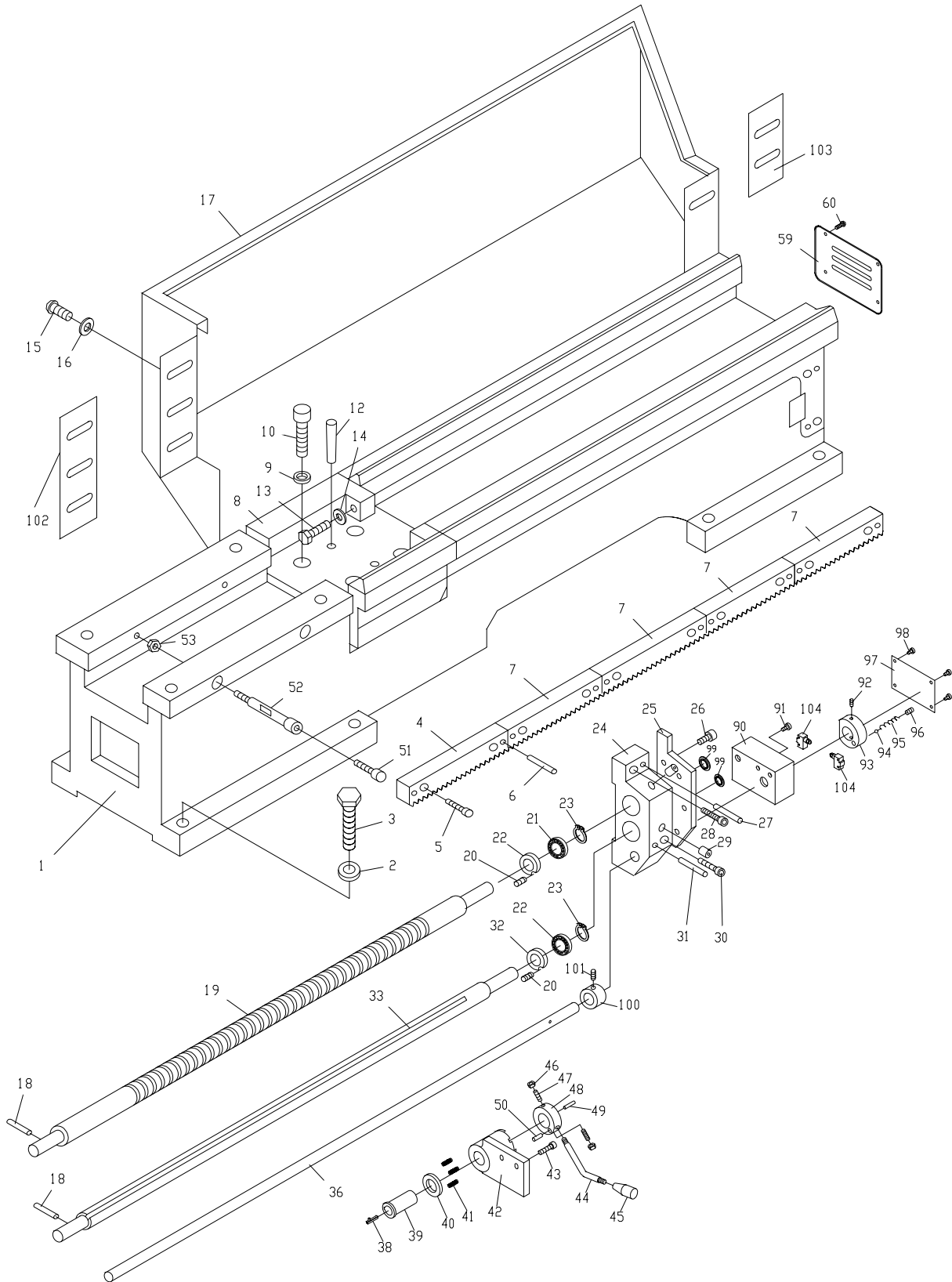
Brake Assembly



Brake Assembly

Index No.	Part No.	Description	Size	Qty.
40	ZX22101	Fork		1
41	ZXS41	Spring Pin	5x40	1
42	ZX22703	Butt Nail Support		1
43	TS1524021	Set Screw	M8x10	1
44	ZXS44	Cross Head Screw	M5x20	4
45	ZX22714	Positioning Plate		1
46	ZX22704A	Driving Shaft-Longer		1
48	ZXS48	Spring Pin	5x30	2
49	ZX22712A	Pedal (for 1640/1840ZX,serial # 7080340 and lower)		1
	ZX22712AE	Pedal (for 1640/1840ZX,serial # 7090341 and higher)		1
	ZX22712B	Pedal (for 1660/1860ZX,serial # 7080340 and lower)		1
	ZX22712BE	Pedal (for 1660/1860ZX,serial # 7090341 and higher)		1
	ZX22712C	Pedal (for 1880/2280ZX,serial # 7080340 and lower)		1
	ZX22712CE	Pedal (for 1880/2280ZX,serial # 7090341 and higher)		1
50	ZX22710B	Draw Bar (for 16" models)		1
	ZX22710C	Draw Bar (for 18" models)		1
51	ZX22706	Connecting Shaft		1
52	ZXS52	Split Pin	2x20	2
53	ZXS53	Tensile Spring	3.5x26x190	1
54	ZXS54	Eyebolt	M8	1
55	TS1490091	Hex Cap Bolt	M8x50	1
56	TS1540061	Hex Nut	M8	1
57	ZX22707A	Butt Rod Support		1
58	TS1540072	Hex Nut	M10	1
59	ZXS59	C-Clip	8	1
60	ZX22701	Positioning Shaft		1
61	ZXS61	Brake Shoe		1
62	ZX22702	Brake Shaft		1
63	ZX22708	Connecting Plate		1
64	ZXS64	Elastic Pin	5x25	1
65	ZX22709	Connecting Shaft		1
66	ZXS66	Stroke Switch		1
67	ZXS67	Screw	M4x25	2
68	ZXS68	Cylindrical End Set Screw	M5x10	1
69	ZX22711	Butt Nail Support		1
70	ZXS70	Pin	5n6x20	1
71	ZX22715	Adjust Bolt		1
72	TS1540061	Hex Nut	M8	1
73	ZXS73	C-Clip	12	2
74	ZXS74	Hex Cap Bolt	M8x35	1

Bed Assembly

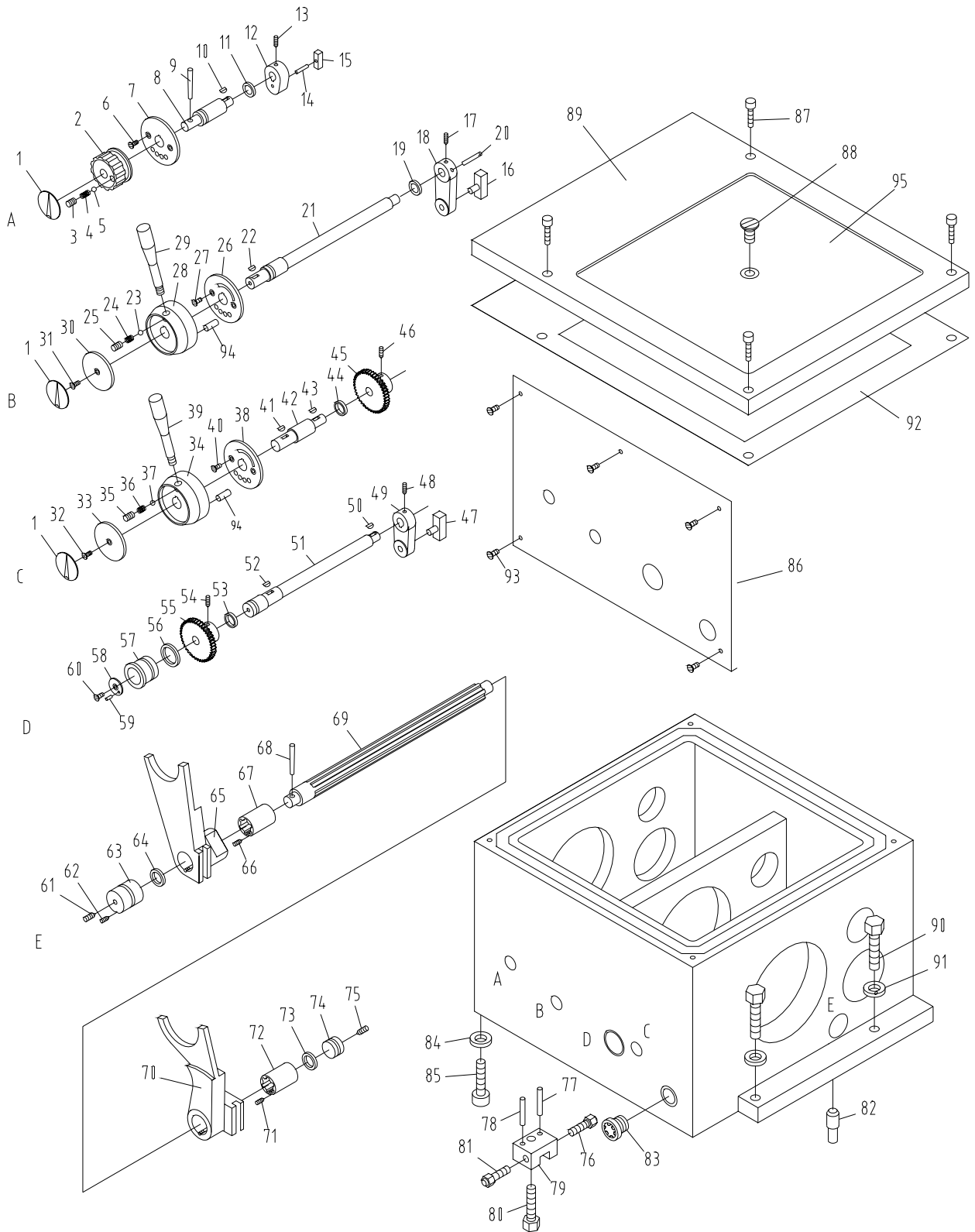


Bed Assembly

Index No.	Part No.	Description	Size	Qty.
1	ZX01104A	Bed (for 1640/1840ZX)		1
	ZX01104B	Bed (for 1660/1860ZX)		1
	ZX01104C	Bed (for 1880ZX)		1
2	TS1550101	Washer	B16	8
3	ZXB3	Hex Cap Bolt	M16x50	8
4	ZX01706	Rack		1
5	TS1516041	Hex Socket Cap Screw (for 1640/1840ZX)	M10x35	10
		Hex Socket Cap Screw (for 1660/1860ZX)	M10x35	14
		Hex Socket Cap Screw (for 1880ZX)	M10x35	18
6	ZXB6	Taper Pin (for 1640/1840ZX)	8x50	10
		Taper Pin (for 1660/1860ZX)	8x50	14
		Taper Pin (for 1880ZX)	8x50	18
7	ZX01706A	Rack (for 1640/1840ZX)		4
		Rack (for 1660/1860ZX)		6
		Rack (for 1880ZX)		8
8	ZX01112	Saddle		1
9	TS1551081	Lock Washer	12	4
10	TS1517041	Hex Socket Cap Screw	M12x55	4
12	ZXB12	Thread Taper Pin	12x70	2
13	TS1491101	Hex Cap Bolt	M10x55	2
14	TS1550071	Washer	M10	2
15	TS1503021	Hex Socket Cap Screw	M8x12	5
16	TS1550041	Washer	Φ8	5
17	ZX01741C	Splash Guard (for 1640ZX)		1
	ZX01741D	Splash Guard (for 1660ZX)		1
	ZX01741E	Splash Guard (for 1840ZX)		1
	ZX01741F	Splash Guard (for 1860ZX)		1
	ZX01741G	Splash Guard (for 1880ZX)		1
18	ZXB18	Shear Pin	5x35	2
19	ZX01708AN	New Lead Screw (for 40" models)		1
	ZX01708BN	New Lead Screw (for 60" models)		1
	ZX01708CN	New Lead Screw (for 80" models)		1
20	ZXB20	Flat End Set Screw	M6x10	2
21	ZX01109N	New Sleeve		1
22	ZX1204	Double Row Spherical Ball Bearing	20x47x14	2
23	ZXB23	C-Clip	20	2
24	ZX01110N	New Bracket		1
25	ZX01111	Cover		1
26	TS1514021	Hex Socket Cap Screw	M6x14	4
27	ZXB27	Taper Pin	6x60	1
28	TS1516061	Hex Socket Cap Screw	M10x50	1
29	ZXB29	Oil Cup	10	2
30	TS223991	Hex Socket Cap Screw	M10x100	1
31	ZXB31	Taper Pin	6x100	1
32	ZX01108N	New Sleeve		1
33	ZX01709AN	New Feed Rod (for 40" models)		1
	ZX01709BN	New Feed Rod (for 60" models)		1
	ZX01709CN	New Feed Rod (for 80" models)		1
36	ZX01707A	Control Rod (for 1640/1840ZX)		1
	ZX01707B	Control Rod (for 1660/1860ZX)		1
	ZX01707C	Control Rod (for 1880ZX)		1
37	TS1540031	Nut	M5	1
40	ZX06001C-2	Spacer		1
41	ZXB41	Spring	1x75x25	3

Index No.	Part No.	Description	Size	Qty.
42	ZX06001C-1	Bracket		1
43	TS1515011	Hex Socket Cap Screw	M8x16	2
44	ZXB44	Lever		1
45	ZX06001C-4	Long Lever Sleeve		1
46	ZXB46	Hex Nut	M8	2
47	ZXB47	Set Screw	M8x28	2
48	ZX06001C-5	Direction Change Ring		1
49	ZXB49	Pin	8n6x20	1
50	ZXB50	Taper Pin	3x20	1
51	TS1516061	Hex Socket Cap Screw	M10x48	2
52	ZX05741	Threaded Tube		2
53	TS1540081	Hex Nut	M12	2
59	ZX01715C	Cover		1
60	ZXB60	Cross Recessed Pan Head Screw	M6x18	4
61	TS1482031	Hex Cap Bolt	M6x16	2
62	ZXB62	Pin	2x15	2
63	ZX01719	Rocker		1
90	C0632A01301E	Switch Box		1
91	ZXB91E	Hex Socket Cap Screw	M8x20	2
92	ZXB92E	Screw	M6x16	1
93	C0632A01705E	Bushing		1
94	ZXB94E	Steel Ball	6	1
95	ZXB95E	Spring		1
96	ZXB96E	Screw	M8x16	1
97	C0632A01504E	Switch Box Cover		1
98	ZXB98E	Hex Socket Cap Screw	M5x10	4
99	C0632A01503E	Plug		2
100	ZX01706E	Positioning Sleeve		1
101	ZXB101E	Screw	M5x8	1
102	ZXLRG16	Rubber Washer (for 16" models)		1
	ZXLRG18	Rubber Washer (for 18" models)		1
103	ZXRRG	Rubber Washer		1
104	SQ2 , SQ3	Stroke Switch	LXW5-11D1	2

Headstock Assembly I

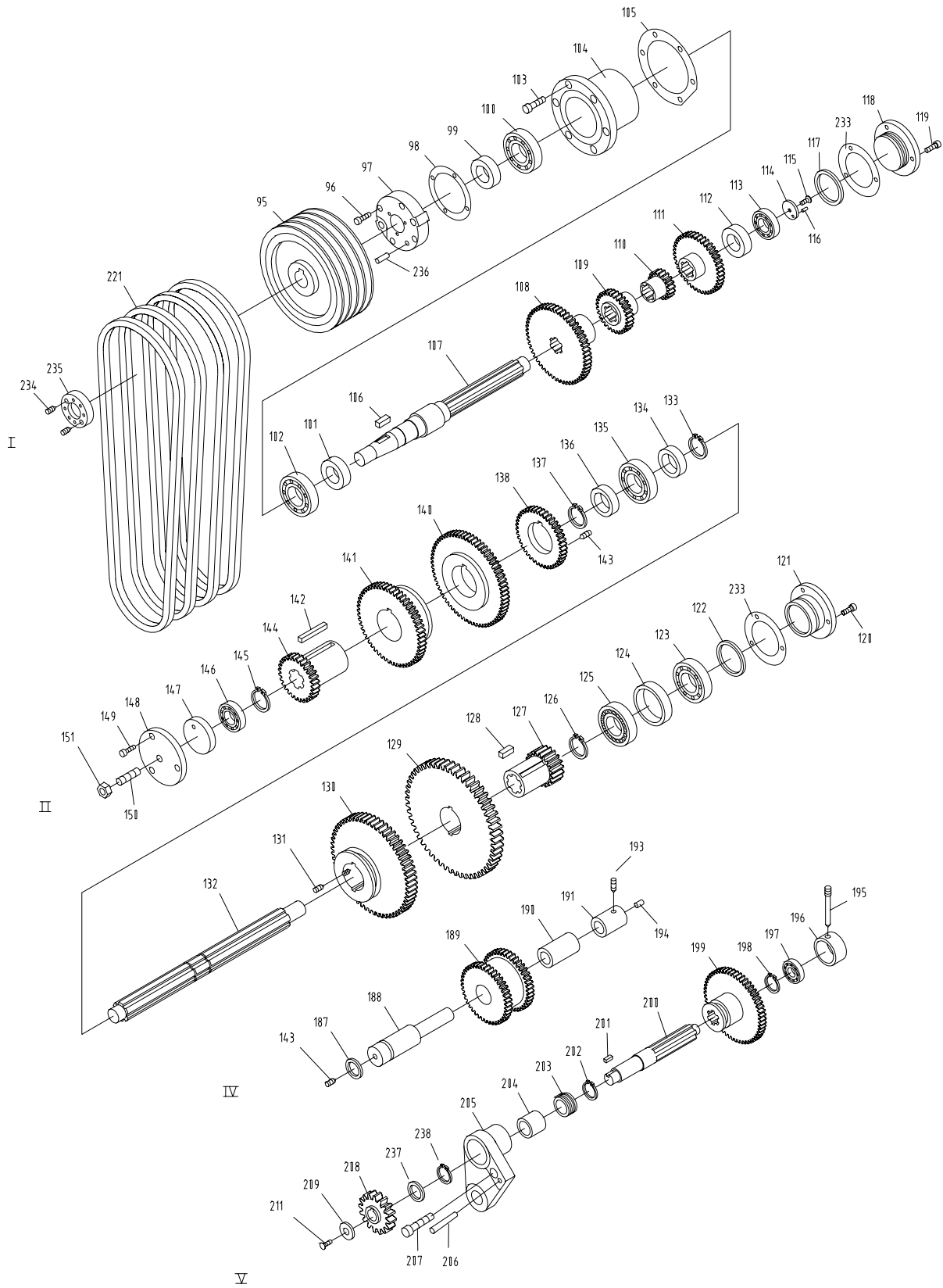


Headstock Assembly I

Index No.	Part No.	Description	Size	Qty.
1	ZX02306	Round Sign Plate		3
2	ZX02122	Positioning Handle		1
3	ZXH3	Flat End Set Screw	M10x12	1
4	ZXH4	Spring	YI-1x8x25	1
5	ZXH5	Steel Ball	8	1
6	ZXH6	Countersunk Head Screw	M5x12	2
7	ZX02743	Positioning Disc		1
8	ZX02738	Shaft		1
9	ZXH9	Taper Pin	5x55	1
10	ZXH10	Half Circle Key	4x16	1
11	ZXH11	Ring Seal	25x2.4	1
12	ZX02116	Crank		1
13	TS1523051	Set Screw	M6x16	1
14	ZXH14	Pin	5n6x28	1
15	ZX02302	Poking Block		1
16	ZX02738C	Pin Block		1
17	TS1523051	Set Screw	M6x16	1
18	ZX02114	Crank		1
19	ZXH11	Ring Seal	25x2.4	1
20	ZXH20	Pin	5x30	1
21	ZX02734	Shaft		1
22	ZXH10	Half Circle Key	4x16	1
23	ZXH5	Steel Ball	8	1
24	ZXH4	Spring	YI-1x8x25	1
25	ZXH3	Flat End Set Screw	M10x12	1
26	ZX02733	Left Positioning Disc		1
27	ZXH6	Countersunk Head Screw	M5x12	2
28	ZX02113	Left Lever Support		1
29	ZX02741	Handle		1
30	ZX02732	Cover		1
31	ZXH6	Countersunk Head Screw	M5x12	1
32	ZXH6	Countersunk Head Screw	M5x12	1
33	ZX02732	Cover		1
34	ZX02119	Right Lever Support		1
35	ZXH3	Flat End Set Screw	M10x12	1
36	ZXH4	Spring	YI-1x8x25	1
37	ZXH5	Steel Ball	8	1
38	ZX02728	Right Positioning Disc		1
39	ZX02741	Handle		1
40	ZXH6	Countersunk Head Screw	M5x12	2
41	ZXH10	Half Circle Key	4x16	1
42	ZX02727	Shaft		1
43	ZXH10	Half Circle Key	4x16	1
44	ZXH11	Ring Seal	25x2.4	1
45	ZX02730	Gear	1.5m36T	1
46	TS1523051	Set Screw	M6x16	1
47	ZX02738C	Pin Block		1
48	TS1523051	Set Screw	M6x16	1
49	ZX02111	Crank		1
50	ZXH10	Half Circle Key	4x16	1
51	ZX02731/1	Control Shaft		1
52	ZXH 10	Half Circle Key	4x16	1
53	ZXH11	Ring Seal	25x2.4	1
54	ZXH54	Taper End Set Screw	M6x16	1
55	ZX02732/2	Gear	1.5m36T	1
56	ZXH56	Ring Seal	40x3.1	1

Index No.	Part No.	Description	Size	Qty.
57	ZX02110	Bushing		1
58	ZX02729	Cover		1
59	ZXH59	Pin	3n6x10	1
60	ZXH6	Countersunk Head Screw	M5x12	1
61	ZXH61	Countersunk Head Screw	M8x12	1
62	ZXH62	Flat End Set Screw	M8x12	1
63	ZX02115	Bearing Support		1
64	ZXH64	Ring Seal	40x3.1	1
65	ZX02115	Left Fork		1
66	ZXH66	Flat End Set Screw	M6x10	1
67	ZX02120A/2	Bushing		1
68	ZXH68	Taper Pin	6x35	1
69	ZX02736	Control Shaft		1
70	ZX02112	Right Fork		1
71	ZXH66	Flat End Set Screw	M6x10	1
72	ZX02120A/2	Bushing		1
73	ZXH73	Ring Seal	30x3.1	1
74	ZX02735	Blocking Piece		1
75	ZXH61	Countersunk Head Screw	M8x12	1
76	ZX02744	Adjusting Screw		1
77	ZXH77	Taper Pin	8x40	1
78	ZXH77	Taper Pin	8x40	1
79	ZX92124	Adjusting Block		1
80	ZXH80	Hex Cap Bolt	M12x50	1
81	ZX02744	Adjusting Screw		1
82	ZX02736C	Positioning Pin		1
83	ZXH83	Oil Sight Glass		1
84	ZXH84	Washer	A16	2
85	ZXH85	Hex Socket Cap Screw	M16x50	2
86	ZX02301C	Label (for 1640ZX)		1
	ZX02301D	Label (for 1660ZX)		1
	ZX02301E	Label (for 1840ZX)		1
	ZX02301F	Label (for 1860ZX)		1
	ZX02301G	Label (for 1880ZX)		1
87	TS1504071	Hex Socket Cap Screw	M8x35	4
88	ZXH88	Countersunk Head Screw	M16x25	1
89	ZX02117	Top Cover		1
90	ZXH90	Hex Cap Bolt		2
91	ZXH91	Washer	A16	2
92	ZX02505	Paper Gasket		1
93	ZXH93	Cross Recessed Pan Head Screw	M3x6	7
94	ZXH94N	Pin	4n6x15	2
95	ZXH95	Rubber Gasket		1

Headstock Assembly II

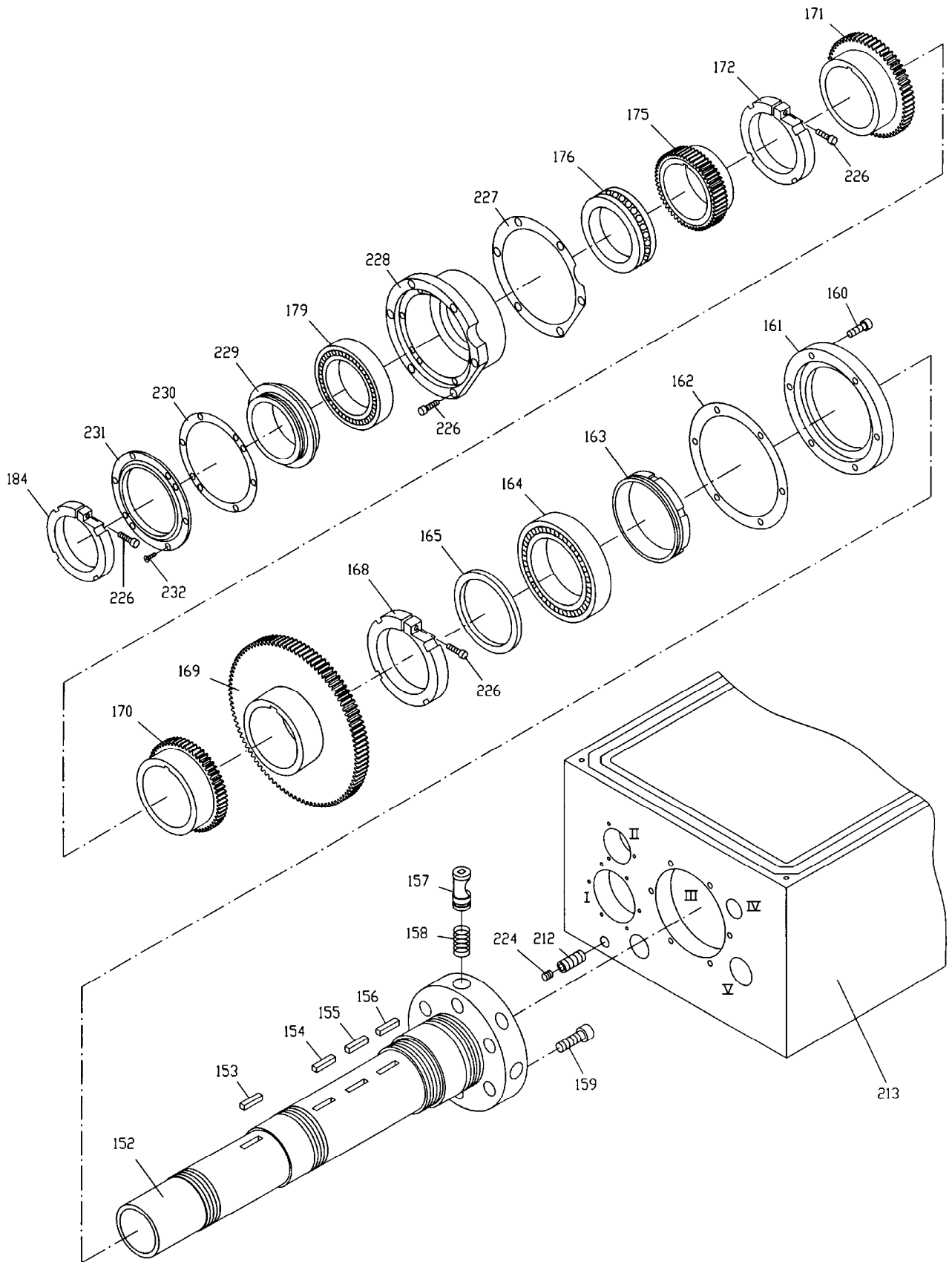


Headstock Assembly II

Index No.	Part No.	Description	Size	Qty.
95	ZX02107	Pulley		1
96	TS1514041	Hex Socket Cap Screw	M6x25	4
97	ZX02106	Bearing Cover		1
98	ZX02506	Gasket		1
99	ZXH99	Ring Seal	32x52	1
100	BB6207	Ball Bearing	35x72x17	1
101	BB6207	Ball Bearing	35x72x17	1
102	ZXH102	Sleeve	30x10	1
103	TS1515031	Hex Socket Cap Screw	M8x25	6
104	ZX02105	Bearing Support		1
105	ZX02502	Gasket		1
106	ZXH106	Flat Key	10x8x35	1
107	ZX02709	Shaft		1
108	ZX02754X/6P	Gear	2.5m61T	1
109	ZX02753X/6P	Gear	2.5m32T	1
110	ZX02752X	Gear	2.5m18T	1
111	ZX02751X/6P	Gear	2.5m47T	1
112	ZXH112	Sleeve		1
113	BB6305/P6	Ball Bearing	25x62x17	1
114	ZXH114	Shaft End Lock Ring	32	1
115	ZXH115	Countersunk Head Screw	M6x20	1
116	ZXH59	Pin	3n6x10	1
117	ZXH117	Ring Seal	60x3.1	1
118	ZX02104	Blocking Flange		1
119	TS1514021	Hex Socket Cap Screw	M6x15	3
120	TS1514021	Hex Socket Cap Screw	M6x15	3
121	ZX02103	Blocking Flange		1
122	ZXH117	Ring Seal	60x3.1	1
123	BB6305	Ball Bearing	25x62x17	1
124	ZXH124	Sleeve	62x6	1
125	BB6305	Ball Bearing	25x62x17	1
126	ZXH126	Circle Clip For Shaft	35	1
127	ZX02705	Gear	3m19T	1
128	ZXH128	Flat Key	8x7x50	2
129	ZX02706	Gear	3m67T	1
130	ZX02707	Gear	3m59T	1
131	ZXH62	Flat End Set Screw	M8x12	1
132	ZX02708	Shaft		1
133	ZXH133	C-Clip	35	1
134	ZXH134	Sleeve	35x8	1
135	BB6007	Ball Bearing	35x62x14	1
136	ZXH136	Sleeve	35x8	1
137	ZXH133	C-Clip	35	1
138	ZX02756/6P	Gear	2.5m36T	1
140	ZX02757/6P	Gear	2.5m65T	1
141	ZX02758/6P	Gear	2.5m51T	1
142	ZXH142	Flat Key	10x6x60	2
143	ZXH143	Flat Head Set Screw	M8x12	2
144	ZX02755X/6P	Gear	2.5m22T	1
145	ZXH133	C-Clip	35	1
146	BB6305	Ball Bearing	25x62x17	1
147	ZXH147	Pushing Disc	62	1
148	ZX02109C	Cover		1
149	TS1514021	Hex Socket Cap Screw	M6x15	3
150	ZXH150	Set Screw	M12x65	1

Index No.	Part No.	Description	Size	Qty.
151	ZXH151	Hex Nut	M12	1
187	ZXH187	Ring Seal	35x3.1	1
188	ZX02714	Shaft		1
189	ZX02716	Double Gear	2m48T	1
190	ZX02303	Copper Sleeve		1
191	ZX02734C	Positioning Sleeve		1
193	TS1524041	Set Screw	M8x15	1
194	ZX02733C	Blocking Piece		1
195	ZX02718	Taper End Set Screw		1
196	ZX02114C	Sleeve		1
197	BB6203	Ball Bearing	17x40x12	1
198	ZXH198	C-Clip	28	1
199	ZX02717	Gear	2m65T	1
200	ZX02715	Shaft		1
201	ZXH201	Flat Key	5x5x1	1
202	ZXH198	C-Clip	28	1
203	ZX02722C	Sleeve		1
204	ZX02301	Oil Bushing (serial # 10100726 and lower)		1
	CDL50002302	Oil Bushing (serial # 10120727 and higher)		1
205	ZX08106A	Bracket (for Shaft V, Vb) (for 16" models)		1
	ZX08106B	Bracket (for Shaft V, Vb) (for 18" models)		1
206	ZXH77	Taper Pin	8x40	1
207	TS1516021	Hex Socket Cap Screw	M10x25	1
208	TNMP08706A(T)	Gear (for 16" models)	3.5m15T	1
	TNMP08706B(T)	Gear (for 18" models)	4m15T	1
209	ZX02724C	Washer		1
210	ZXH59	Pin	3n6x10	1
211	ZXH211	Countersunk Head Screw	M5x16	1
221	VBA1956	V-Belt(for 16" models)	A-1956	4
	VBA1981	V-Belt(for 18" models)	A-1981	4
233	ZX02506	Paper Gasket		2
234	ZXH234	Set Screw	M8x6	2
235	ZX02743N	Clamping Round Nut		1
236	ZXH236	Pin	8x30	2
237	ZXH237	Seal Ring (serial # 10120727 and higher)	25x40x70	1
238	ZXH238	Steel C-clip (serial # 10120727 and higher)	32	1

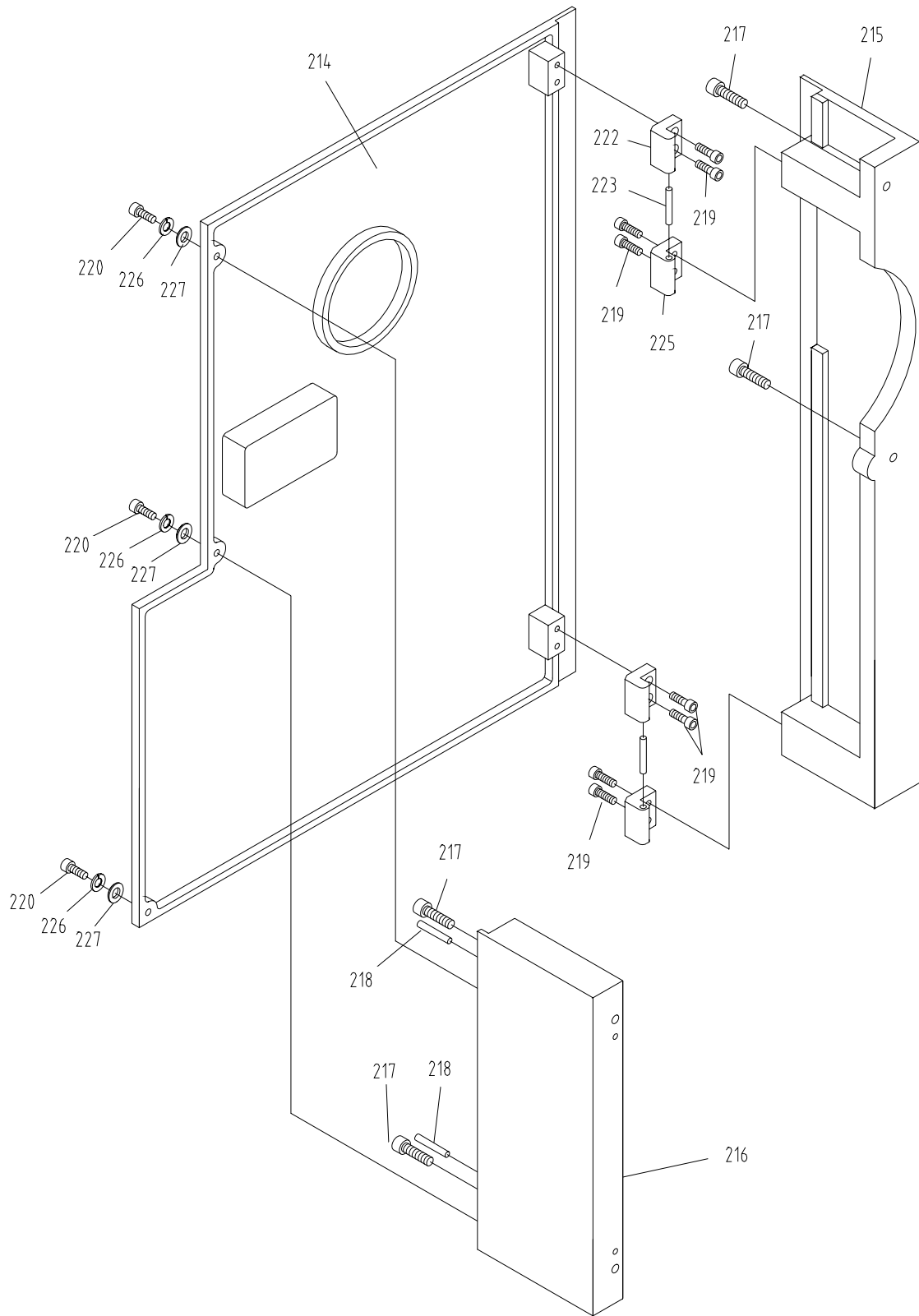
Headstock Assembly III



Headstock Assembly III

Index No.	Part No.	Description	Size	Qty.
152	ZX02704	Spindle		1
153	ZXH153	Flat Key	10x8x40	1
154	ZXH154	Flat Key	10x8x50	1
155	ZXH155	Flat Key	12x8x50	1
156	ZXH156	Flat Key	14x9x50	1
157	ZX02701	Cam Lock		6
158	ZXH158	Spring	1x8x25	6
159	ZX02703	Cam Positioning Screw		6
160	TS1516031	Hex Socket Cap Screw	M10x28	6
161	ZX02102	Bearing Front Cover		1
162	ZX02501	Gasket		1
163	ZX02702	Oil Splashing Ring		1
164	NN3024/P5	Taper Roller Bearing	120x180x46	1
165	ZX02726	Lining		1
168	ZX02725A	Round Nut w/Screw		1
169	ZX02723	Gear	3m98T	1
170	ZX02722	Gear	3m50T	1
171	ZX02721	Gear	3m58T	1
172	ZX02720A	Round Nut w/Screw		1
175	ZX02710	Gear	2m65T	1
176	51120/P5	Thrust Bearing	100x135x25	1
179	BB7020AC/P5	Angular Bearing	100x150x24	1
184	ZX02713A	Round Nut w/Screw		1
212	ZXH212A	Drain plug		1
213	ZX02101BN	Headstock Casting (16" models)		1
	ZX02101CN	Headstock Casting (18" models)		1
224	ZXG38-3A	Screw		1
226	ZXH226	Hex Socket Cap Screw	M8x28	9
227	ZX02502F	Gasket		1
228	ZX02108F	Bearing Support		1
229	ZX02711F	Sleeve		1
230	ZX02510F	Gasket		1
231	ZX02761F	Bearing Back Cover		1
232	ZXH232	Screw	M5x10	6

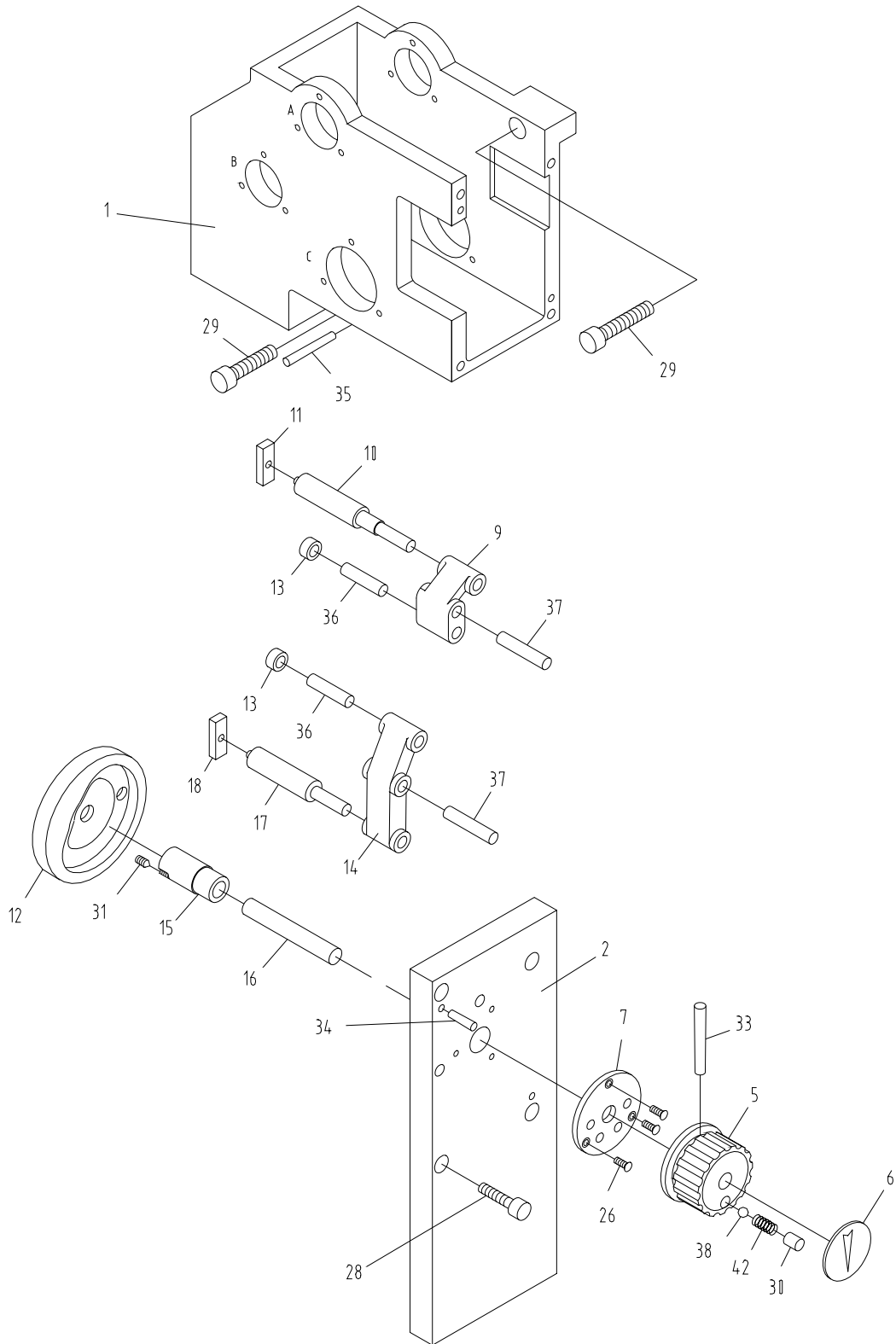
Headstock Assembly IV



Headstock Assembly IV

Index No.	Part No.	Description	Size	Qty.
214	ZX08302B	Back Cover (for 16" models)		1
	ZX08302C	Back Cover (for 18" models)		1
215	ZX08114B	Rear Side plate (for 16" models)		1
	ZX08114C	Rear Side plate (for 18" models)		1
216	ZX08113B	Front Side plate (for 16" models)		1
	ZX08113C	Front Side plate (for 18" models)		1
217	TS1515031	Hex Socket Cap Screw	M8x25	4
218	ZXH218	Taper Pin	6x25	2
219	TS1514031	Hex Socket Cap Screw	M6x20	8
220	TS1514021	Hex Socket Cap Screw	M6x15	3
222	ZX08712	Upper Hinge		2
223	ZXH223	Pin	6n6x40	2
225	ZX08711	Lower Hinge		2
226	ZXH226	Flat Washer (serial # 10040691 and higher)	6	3
227	ZXH227	Spring Washer (serial # 10040691 and higher)	6	3

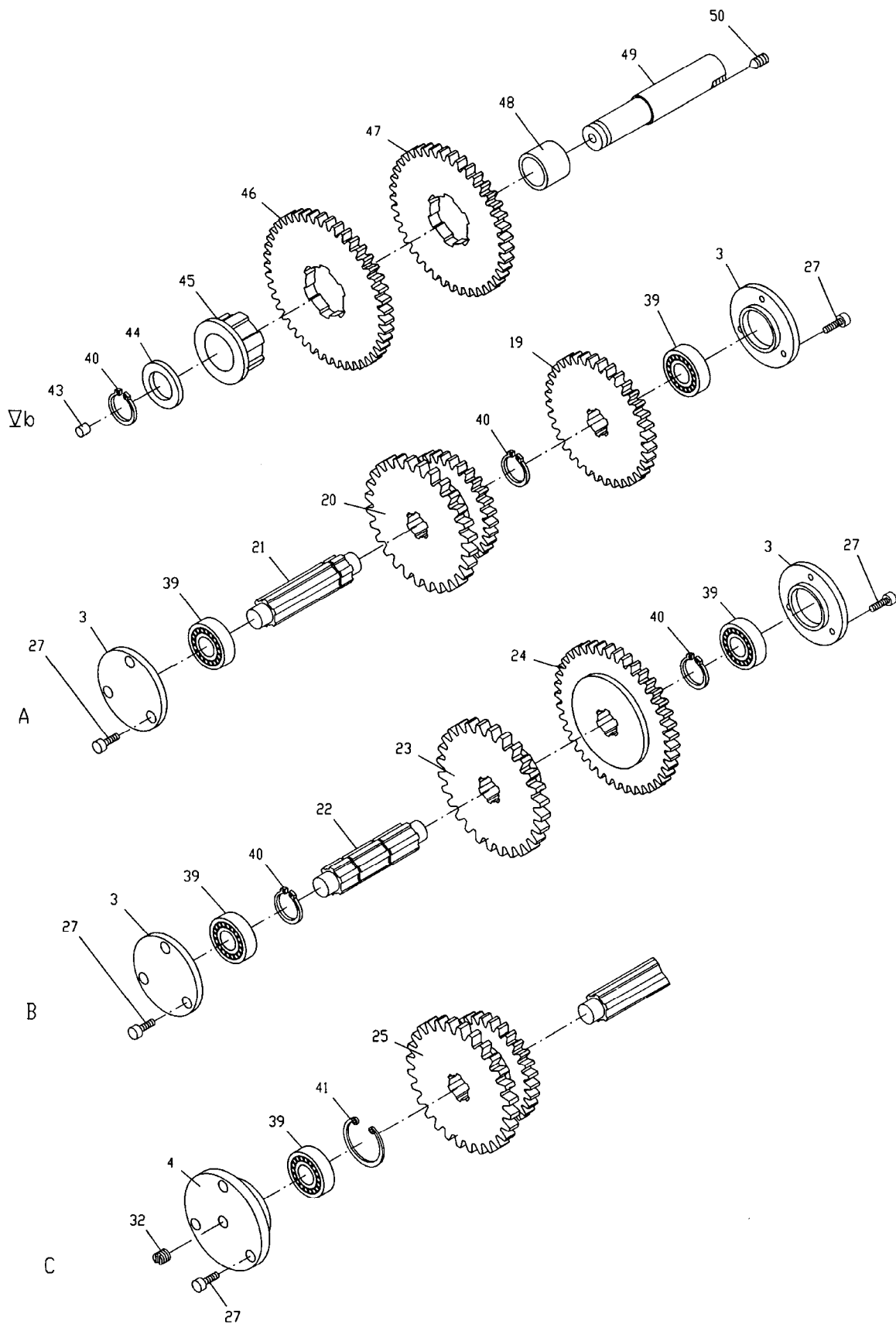
Change Gear Box Assembly I



Change Gear Box Assembly I

Index No.	Part No.	Description	Size	Qty.
1	ZX08101	Change Gear Box Casting		1
2	ZX08108	Front Cover		1
5	ZX05104C	Hand Wheel		1
6	ZX05301C	Sign Plate		1
7	ZX08708	Positioning Disc		1
9	ZX08111	Crank		1
10	ZX08705	Connecting Rod		1
11	ZX08304	Sliding Block		1
12	ZX05103C	Cam		1
13	ZX05702C	Roller		2
14	ZX08109	Crank		1
15	ZX08110	Bushing		1
16	ZX08704	Rotating Shaft		1
17	ZX08703	Connecting Rod		1
18	ZX08304	Sliding Block		1
26	ZXC26	Cross Head Screw	M4x12	3
28	TS1515031	Hex Socket Cap Screw	M8x25	4
29	TS1516051	Hex Socket Cap Screw	M10x40	2
30	TS1525021	Set Screw	M10x12	1
31	ZXC31	Flat Head Set Screw	M6x8	1
33	ZXC33	Taper Pin	4x45	1
34	ZXC34	Taper Pin	6x30	2
35	ZXC35	Taper Pin	6x50	1
36	ZXC36	Pin	10m6x40	2
37	ZXC37	Pin	10m6x50	2
38	ZXH5	Steel Ball	8	1
42	ZXC42	Spring	1x8x30	1

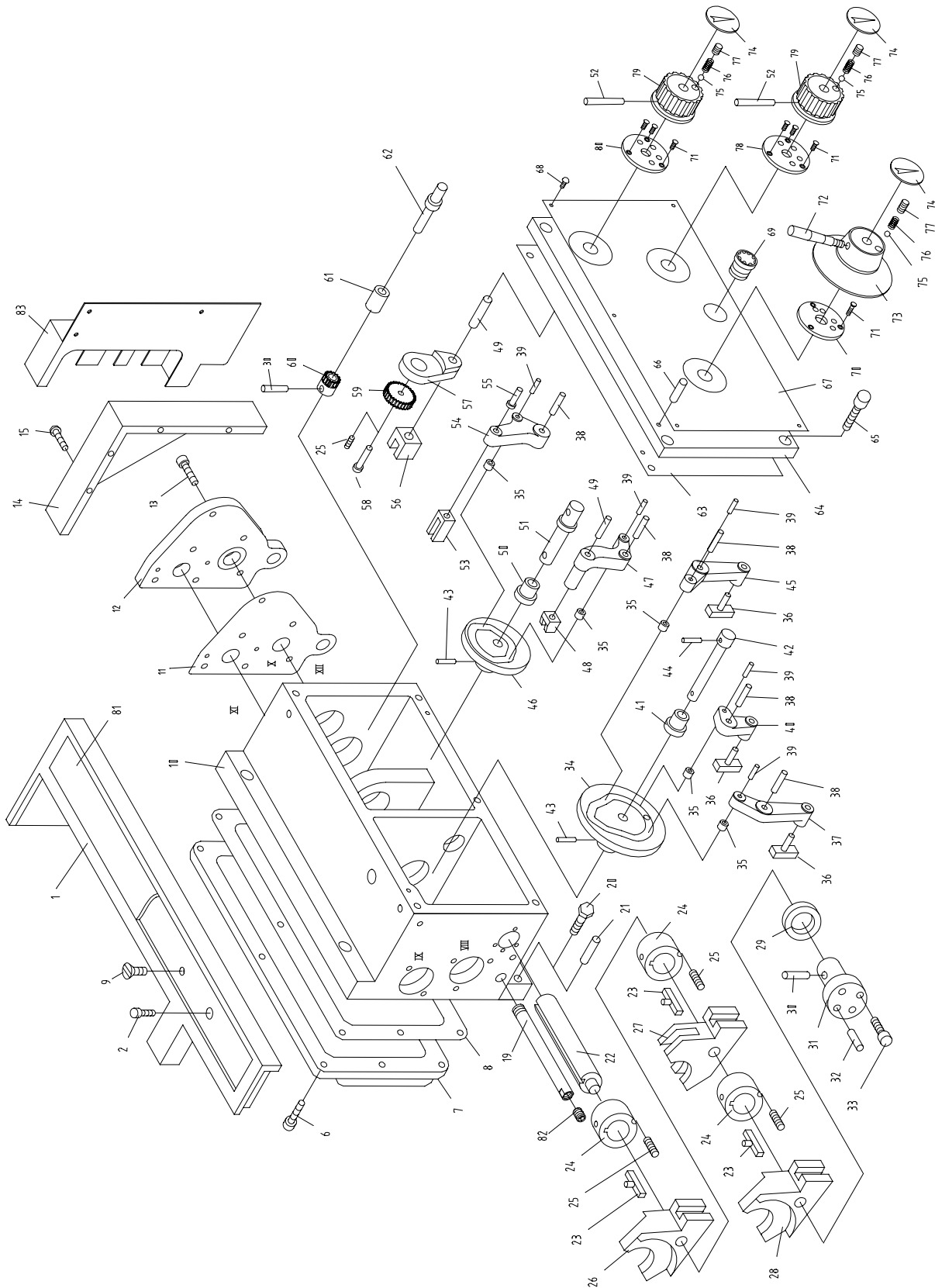
Change Gear Box Assembly II



Change Gear Box Assembly II

Index No.	Part No.	Description	Size	Qty.
3	ZX08104	End Cover		4
4	ZX08103	Bearing Support		1
19	ZX08107	Gear	3m36T	1
20	ZX08105	Double Gear	3.75m28T/3m30T	1
21	ZX08702	Shaft		1
22	ZX08701	Shaft		1
23	ZX08710	Gear	3.75m27T	1
24	ZX08709	Gear	3m41T	1
25	ZX08102	Double Gear	3.75m30T/3m29T	1
27	ZXC27	Slotted Cheese Head Screw	M5x12	15
32	ZXC32	Flat Head Set Screw	M10x12	1
39	BB6203	Ball Bearing	17x40x12	5
40	ZXC40	C-Clip	25	4
41	ZXC41	C-Clip	40	1
43	ZXC43	Oil Cup	8	1
44	TNMP08108	Washer		1
45	TNMP08102	Splinted Sleeve		1
46	TNMP08504	Gear	3m45T	1
47	TNMP08501A	Gear (for 16" models)	3.5m35T	1
	TNMP08501B	Gear (for 18" models)	4m35T	1
48	ZX05502C	Oil Bushing		1
49	ZX08707	Shaft Vb		1
50	ZXC50	Flat Head Set Screw	M8x10	1

Quick Change Gear Box I

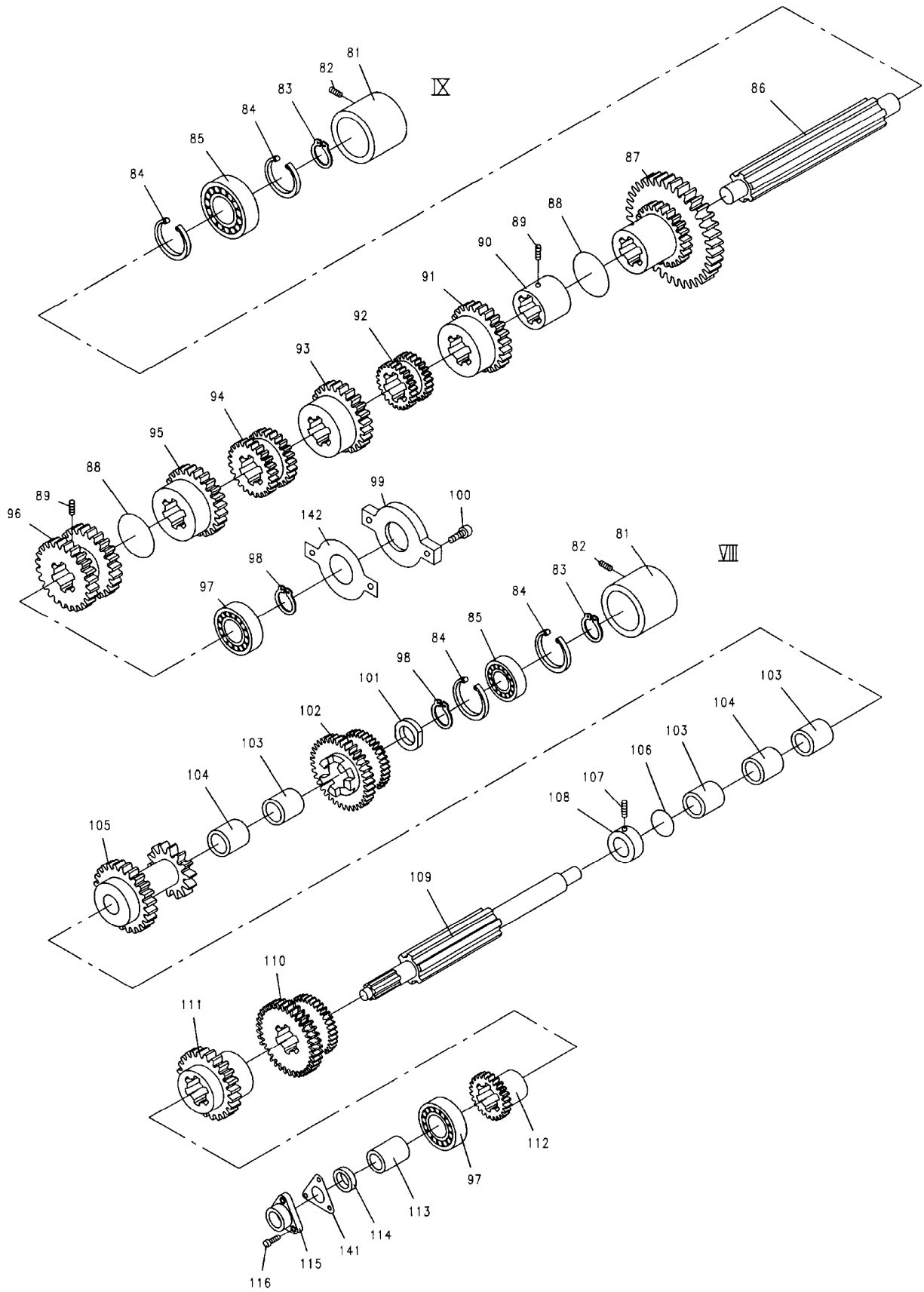


Quick Change Gear Box I

Index No.	Part No.	Description	Size	Qty.
1	KLS1740A05152	Upper Cover		1
2	TS1514051	Hex Socket Cap Screw	M6x22	2
6	TS1515011	Hex Socket Cap Screw	M8x16	10
7	ZX05109	Rear Cover		1
8	ZX05502	Gasket		1
9	ZXQ09	Countersunk Head Screw	M10x18	1
10	ZX05101	Feedbox Casting		1
11	ZX05501	Gasket		1
12	ZX05108	Flange		1
13	TS1515011	Hex Socket Cap Screw	M8x16	6
14	ZX05151	Extending Plate		1
15	TS1503131	Hex Socket Cap Screw	M6x60	4
19	ZXQ19	Pipe	M10x10	1
20	TS1491061	Hex Cap Bolt	M10x40	2
21	ZXH68	Taper Pin	6x35	2
22	ZX05738	Control Shaft		1
23	ZX05739	Sliding Key		3
24	ZX05128	Sliding Sleeve		3
25	ZXQ25	Flat Head Set Screw	M5x8	4
26	ZX05125	Right Fork		1
27	ZX05126	Middle Fork		1
28	ZX05127	Left Fork		1
29	ZXQ29	Ring Seal	32x3.1	1
30	ZXQ30	Taper Pin	4x25	2
31	ZX05129	Cover		1
32	ZXQ32	Pin	5n6x15	1
33	ZXQ33	Cheese Head Screw	M5x16	3
34	ZX05122	Cam		1
35	ZX05728	Rolling Sleeve		5
36	ZX05729	Poking Key		3
37	ZX05123	Crank		1
38	ZXQ38	Pin	8n6x32	5
39	ZXQ39	Pin	6n6x20	5
40	ZX05124	Crank		1
41	ZX05111	Sleeve		1
42	ZX05726	Lever Shaft		1
43	ZXQ43	Taper Pin	4x32	2
44	ZXQ44	Taper Pin	4x65	1
45	ZX05121	Crank		1
46	ZX05118	Cam		1
47	ZX05120	Crank		1
48	ZX05116	Fork		1
49	ZXQ49	Pin	8n6x18	2
50	ZX05117	Sleeve		1
51	ZX05737	Lever Shaft		1
52	ZXC33	Taper Pin	4x45	2
53	ZX05115	Fork		1
54	ZX05119	Crank		1
55	ZX05735	Pin		1
56	ZX05112	Fork		1
57	ZX05113	Crank		1
58	ZX05730	Small Shaft		1
59	ZX05731	Big Gear	1m44T	1
60	ZX05732	Small Gear	1m22T	1

Index No.	Part No.	Description	Size	Qty.
61	ZX05114	Sleeve		1
62	ZX05734	Lever Shaft		1
63	ZX05503	Gasket		1
64	ZX05110	Front Cover		1
65	TS1516011	Hex Socket Cap Screw	M10x20	5
66	ZXQ66	Taper Pin	5x35	6
67	ZX05303A	Sign Plate		1
68	ZXQ68	Cross Head Screw	M3x6	7
69	ZXQ69	Oil Sight Glass	20	1
70	ZX05727	Positioning Disc		1
71	ZXQ71	Countersunk Head Screw	M4x12	9
72	ZX05740	Lever		1
73	ZX05130A	Lever Support		1
74	ZX05301	Sign Disc		3
75	ZXH5	Steel Ball	8	3
76	ZXQ76	Compression Spring	YZ-1x8x25	3
77	ZXH3	Flat End Set Screw	M10x12	3
78	ZX05736	Positioning Disc		1
79	ZX05140	Hand Wheel		2
80	ZX05733	Positioning Disc		1
81	C6136ZK05551	Rubber Washer		1
82	GB70	Hex Socket Cap Screw	M8x5	1
83	1440R05752	Board		1

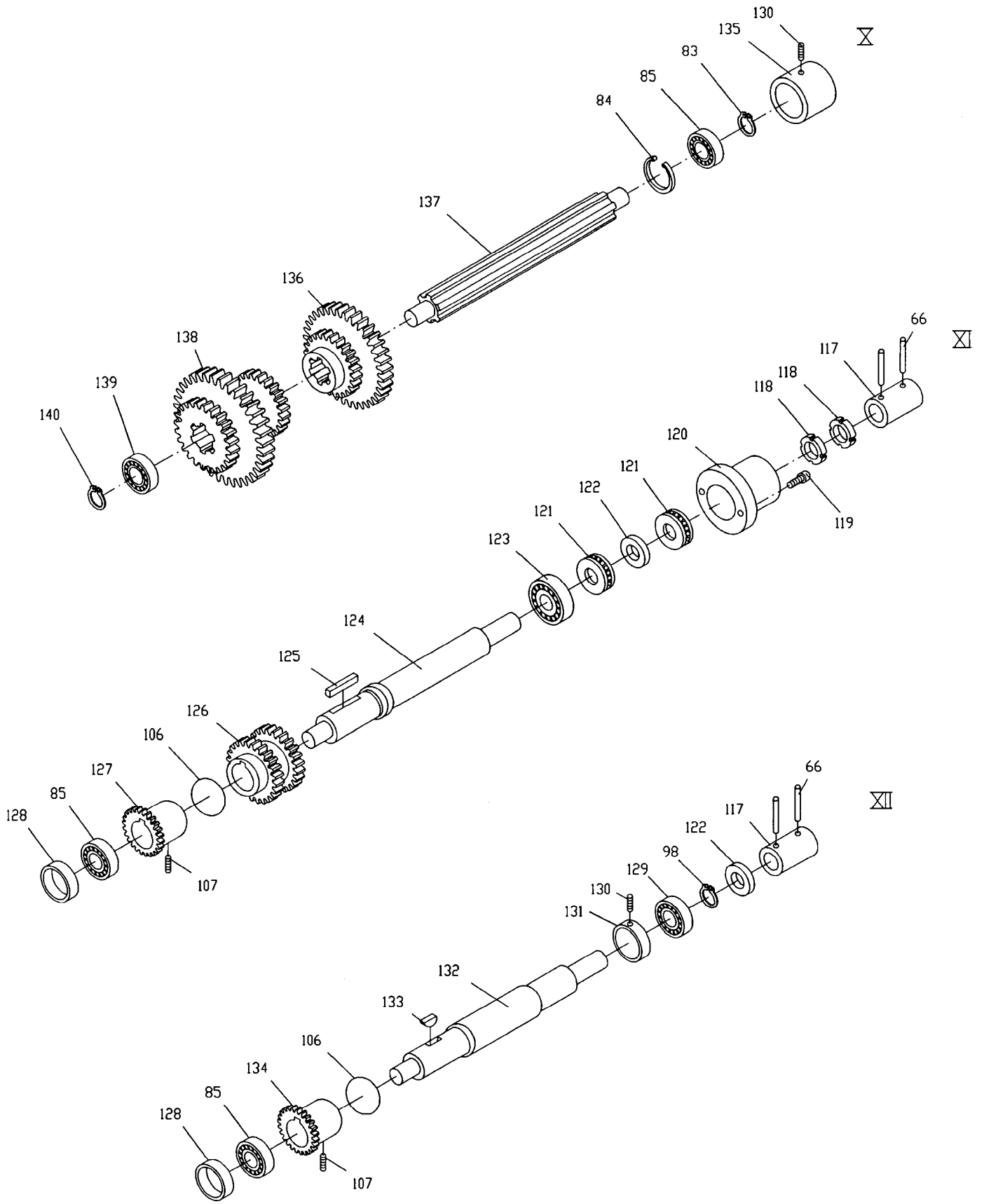
Quick Change Gear Box II



Quick Change Gear Box II

Index No.	Part No.	Description	Size	Qty.
81	ZX05104	Middle Bearing Support		2
82	ZXQ82	Taper End Set Screw	M10x16	2
83	ZXB23	C-Clip	20	3
84	ZXQ84	C-Clip	42	5
85	BB6004	Single Row Radial Ball Bearing	20x42x12	5
86	ZX05721	Shaft		1
87	ZX05722	Double Gear	2m26T/2m52T	1
88	ZXQ88	Iron Wire	1x190	2
89	TS1524051	Set Screw	M8x20	2
90	ZX05720	Positioning Sleeve		1
91	ZX05719	Gear	2.25m28T	1
92	ZX05718	Double Gear	2m26T/2m28T	1
93	ZX05717	Gear	3.5m20T	1
94	ZX05716	Double Gear	3.5m18T/3.5m19T	1
95	ZX05715	Gear	3.25m22T	1
96	ZX05714	Double Gear	3.25m24T/3.25m23T	1
97	BB6205	Single Row Radial Ball Bearing	25x52x15	2
98	ZXC40	C-Clip	25	3
99	ZX05125	Shaft End Cover		1
100	TS1515011	Hex Socket Cap Screw	M8x18	2
101	ZX05704	Spacer		1
102	ZX05705	Double Gear	2m52T/2m26T	1
103	ZX05502C	Oil Bushing		3
104	ZX05105	Sleeve		2
105	ZX05707	Double Gear	2m39T/2m26T	1
106	ZXQ106	Iron Wire	1x160	3
107	TS1524031	Set Screw	M8x12	3
108	ZX05714C	Fixed Bushing		1
109	ZX05710	Shaft		1
110	ZX05709	Double Gear	2m48T/2.25m42T	1
111	ZX05711	Sliding Gear	3.5m24T	1
112	ZX05712	Sliding Gear	3.25m24T	1
113	ZX05713	Sleeve		1
114	ZXG51-1	Spacer	32	1
115	ZX05106	Bearing Support		1
116	TS1515031	Hex Socket Cap Screw	M8x25	3
141	ZX05504	Gasket		1
142	ZX05505	Gasket		1

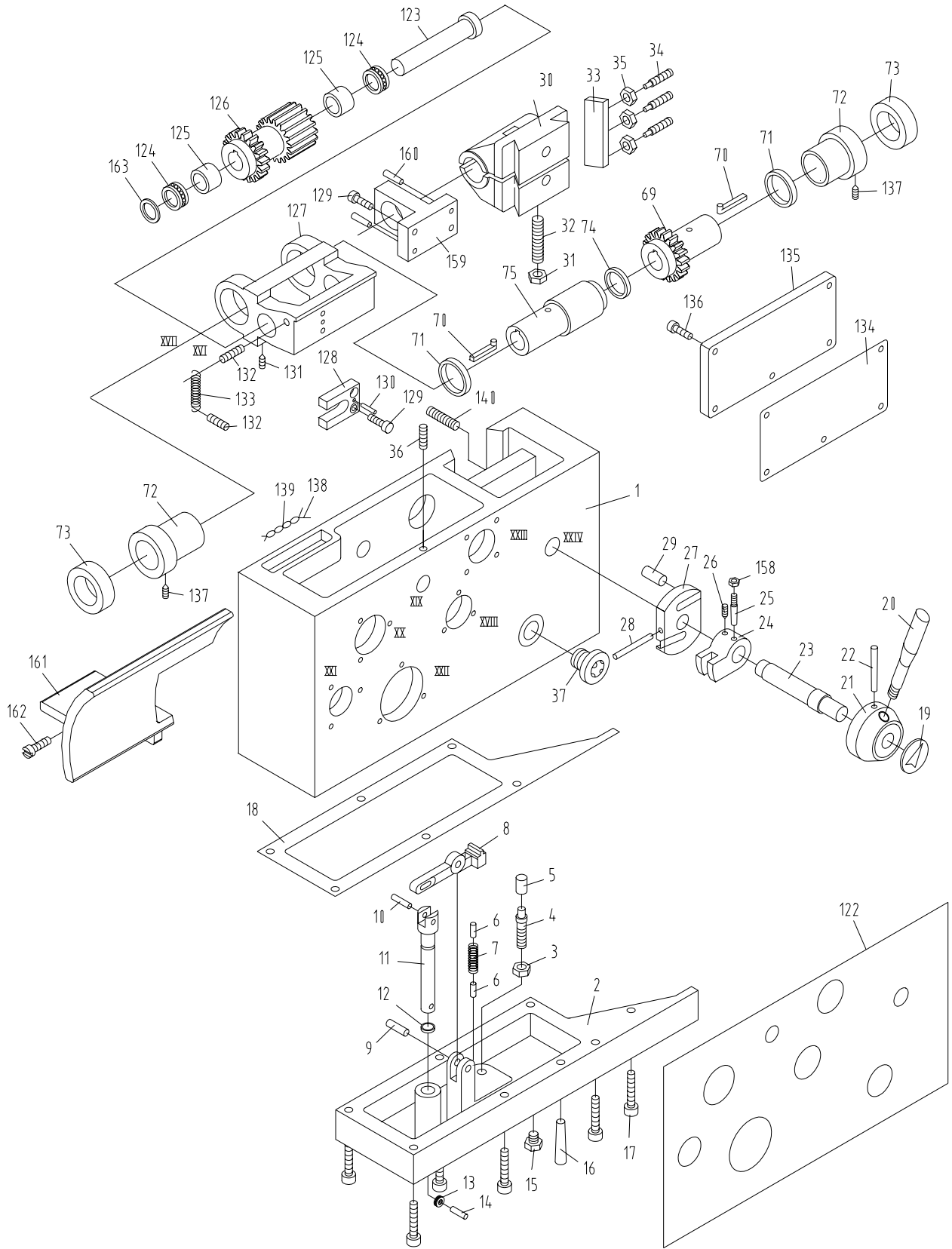
Quick Change Gear Box III



Quick Change Gear Box III

Index No.	Part No.	Description	Size	Qty.
66	ZXQ66	Taper Pin	5x35	4
83	ZXQ83	C-Clip	20	3
84	ZXQ84	C-Clip	42	5
85	BB104	Single Row Radial Ball Bearing	20x42x12	5
98	ZXQ98	C-Clip	25	3
106	ZXQ106	Iron Wire	1x160	3
107	TS1524031	Set Screw	M8x12	3
117	ZX05113C	Shaft Coupling		2
118	ZXQ118	Round Nut	M24x1.5	2
119	TS1503021	Hex Socket Cap Screw	M6x10	2
120	ZX05114	Cover		1
121	BB51105	Thrust Bearing	25x42x11	2
122	ZXQ122	Spacer	25	2
123	BB6305	Ball Bearing	25x62x17	1
124	ZX05725	Shaft		1
125	ZXQ125	Key	8x7x50	1
126	ZX05724	Double Gear	2.25m35T/2.25m36T	1
127	ZX05723	Gear	2.5m36T	1
128	ZX05107	Sleeve		2
129	BB6005	Ball Bearing	25x47x12	1
130	TS1525021	Set Screw	M10x12	2
131	ZX05103	Bearing Support		1
132	ZX05701	Shaft		1
133	ZXQ133	Half Circle Key	6x22	1
134	ZX05703	Gear	2.5m36T	1
135	ZX05102	Bearing Support		1
136	ZX05702	Double Gear	2.5m24T/2.25m35T	1
137	ZX05708	Shaft		1
138	ZX05706	Triple Gear	2m39T/2m52T/2m26T	1
139	BB6203	Ball Bearing	17x40x12	1
140	ZXQ140	C-Clip	17	1

Apron Assembly I

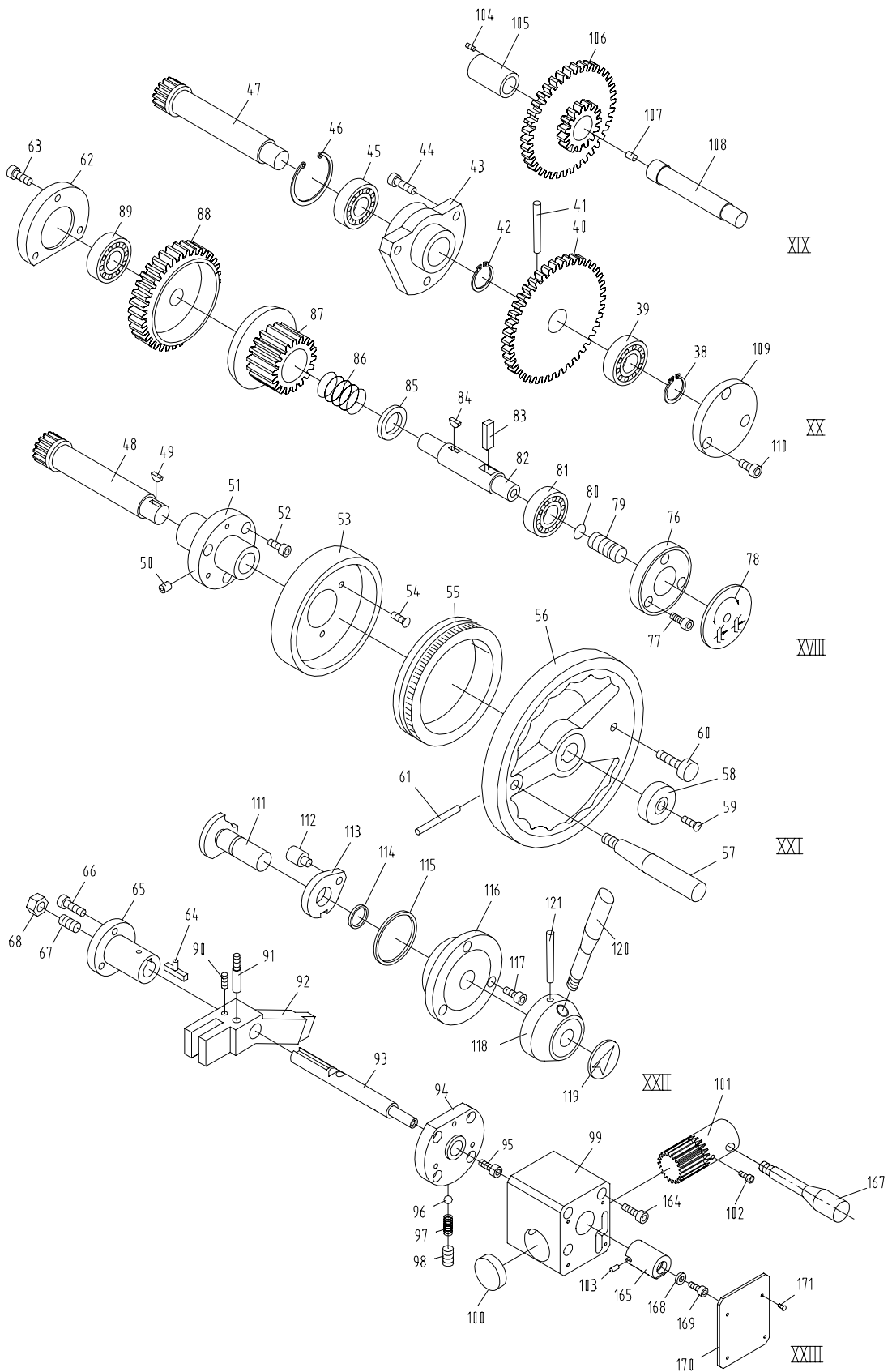


Apron Assembly I

Index No.	Part No.	Description	Size	Qty.
1	TL06101	Apron Casting		1
2	TL06103	Bottom Cover		1
3	TS1540072	Hex Nut	M10	1
4	ZXA04	Flat Head Set Screw	M10x70	1
5	TL06502	Cushion Cap		1
6	ZXA06	Pin	6n6x16	2
7	ZXA07	Tensile Spring	Y11.2x9x50	1
8	TL06734	Lever		1
9	ZXA09	Pin	8n6x30	1
10	ZXA10	Pin	6n6x18	1
11	TL06701-A	Pushing Rod		1
12	ZXA12	Oil Seal	15x2.4	1
13	BB60016	Ball Bearing	6x17x6	1
14	ZXA06	Pin	6n6x16	1
15	GB70	Hex Socket Cap Screw	M8x6	1
16	ZXB34	Taper Pin	5x30	2
17	TS1504041	Hex Socket Cap Screw	M8x20	6
18	TL06501	Gasket		1
19	TL06307	Sign Plate		1
20	ZX02741	Handle		1
21	ZX06122	Lever Support		1
22	ZXB27	Taper Pin	6x60	1
23	TL06717	Half Nut Shaft		1
24	TL06111	Positioning Block		1
25	ZXA25	Thread Tail Taper Pin	6x25	1
26	TS1523031	Set Screw	M6x10	1
27	ZX06733	Half Nut Control Plate		1
28	ZXA28	Taper Pin	6x55	1
29	ZX06732	Pin		2
30	ZX06302N	New Half Nut		1
31	TS1540072	Hex Nut	M10	1
32	ZXA32	Cylindrical End Set Screw	M10x60	1
33	ZX06121	Gib		1
34	ZX06731	Cylindrical End Set Screw		3
35	TS1540061	Hex Nut	M8	3
36	ZXA36	Set Screw	M8x32	1
37	ZXA37	Oil Sight Glass	20	1
69	TL06727N	New Gear	2m25T	1
70	TL06728	Sliding Key		2
71	TL06121N	New Spacer		2
72	TL06304N	New Positioning Sleeve		2
73	ZXA73	Ring Seal For Rotating	3x55	2
74	ZXA74	Oil Seal	35x3.1	1
75	TL06729N	New Sleeve		1
122	TL06302	Sign Plate		1
123	TL06730	Shaft		1
124	BB51104	Thrust Bearing		2
125	TL06305	Sleeve		2
126	TL06726N	New Worm		1
127	TL06122N	New Worm Support		1
128	TL06720	Control Plate		1
129	TS1514031	Hex Socket Cap Screw	M6x20	4
130	ZXA130	Taper Pin	4x20	1
131	TS1524031	Set Screw	M8x12	2

Index No.	Part No.	Description	Size	Qty.
132	ZXA132	Screw	M8x25	2
133	ZXA133	Cylindrical Tensile Spring	LI-1.6x10x58	1
134	TL06503	Gasket		1
135	TL06114	Back Cover		1
136	TS1514011	Hex Socket Cap Screw	M6x12	5
137	ZXA137	Set Screw	M8x30	2
138	ZXA138	Iron Wire	1x50	2
139	ZXA139	Oil Conducting Cord	3x100	2
140	ZXA140	Screw	M10x40	1
158	TS1540041	Hex Nut	M6	1
159	TL06124	Bracket		1
160	ZXA160	Taper Pin	5x25	2
161	TL06308	Bracket		1
162	TS1503041	Hex Socket Cap Screw	M6x16	1
163	TL06120	Sleeve		1

Apron Assembly II

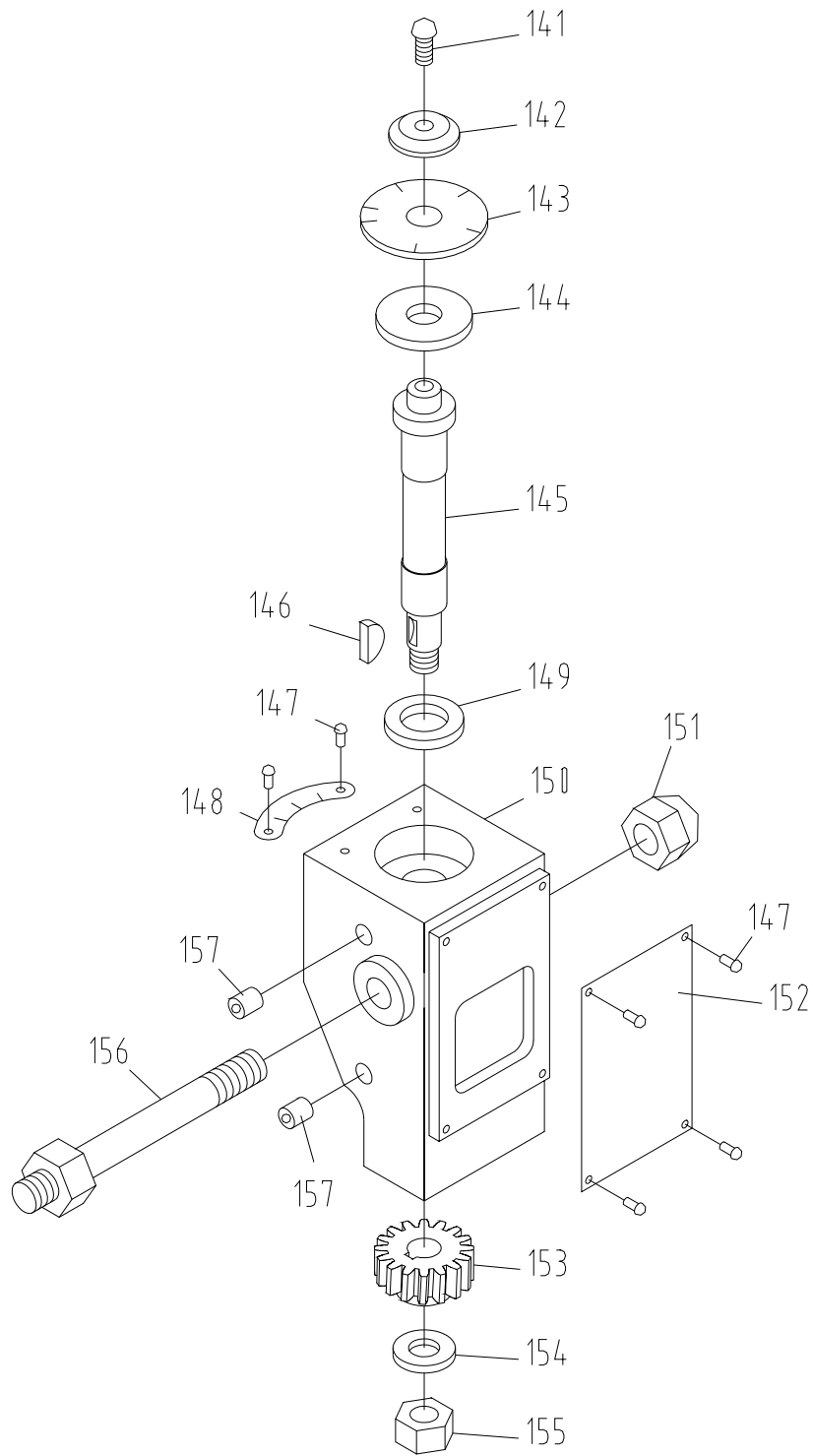


Apron Assembly II

Index No.	Part No.	Description	Size	Qty.
38	ZXB23	C-Clip	20	1
39	BB6204	Ball Bearing	20x47x14	1
40	TL06705	Gear	2m65T	1
41	ZXA41	Taper Pin	6x40	1
42	ZXC40	C-Clip	25	1
43	ZX06127N	New Bearing Support		1
44	TS1504041	Hex Socket Cap Screw	M8x18	3
45	BB6205Z	Ball Bearing	25x52x15	1
46	ZXA46	C-Clip	52	1
47	TL06704N	New Shaft	2m14T	1
48	TL06706	Hand Wheel Shaft	2mx15T	1
49	ZXH10	Half Circle Key	4x16	1
50	ZXA50	Oil Cup	8	1
51	TL06104	Lever Support		1
52	TS1514031	Hex Socket Cap Screw	M6x18	3
53	TL06105	Dial Support		1
54	ZXA54	Cross Head Screw	M5x12	3
55	TL06732	Dial		1
56	TL06107	Hand Wheel		1
57	ZX06710	Shaft Driven Lever		1
58	TL06709	Shaft Cover		1
59	ZXA54	Cross Head Screw	M5x12	1
60	TL06708	Screw		1
61	TL06707	Pin		1
62	TL06112	End Cover		1
63	TS1514011	Hex Socket Cap Screw	M6x12	3
64	TL06733	T Shaped Flat Key		1
65	TL06115	Flange Sleeve		1
66	TS1514011	Hex Socket Cap Screw	M6x12	3
67	ZXA67	Flat End Set Screw	M6x30	1
68	TS1540041	Hex Nut	M6	1
76	TL06109	Flange		1
77	TS1514011	Hex Socket Cap Screw	M6x12	3
78	TL06303	Sign Plate		1
79	TL06714	Adjusting Screw		1
80	ZXA80	Oil Seal	8x1.9	1
81	BB7203	Ball Bearing	17x40x12	1
82	TL06713	Shaft		1
83	TL06715	Adjusting Rod		1
84	ZXH10	Half Circle Key	4x16	1
85	TL06712	Spring Cover		1
86	ZXA86	Spring	YI-5x35x50	1
87	TL06718	Gear	2m28T	1
88	TL06113	Helical Gear	2.5m40T	1
89	BB7006/P6	Ball Bearing	30x55x13	1
90	TS1523031	Set Screw	M6x10	1
91	ZXA25	Thread Tail Taper Pin	6x25	1
92	TL06110	Fork		1
93	ZX06721E	Control Rod		1
94	ZX06116E	Lever Support		1
95	ZXA95E	Cross Head Screw	M6x30	1
96	ZXH5	Steel ball	8	1
97	ZXA97	Spring	YI-1x7x25	1
98	ZXA98	Flat Head Set Screw	M10x16	1

Index No.	Part No.	Description	Size	Qty.
99	ZX06737E	Bracket		1
100	ZX06741E	Plug		1
101	ZX06739E	Gear shaft		1
102	ZXA102E	Hex head screw	M4x8	1
103	ZXA103E	Pin	4x8	1
104	ZXA104	Flat Head Set Screw	M4x8	1
105	TL06301	Sleeve		1
106	TL06710	Gear	2m21T/2m57T	1
107	ZXA107	Pin	6n6x8	1
108	TL06711	Shaft		1
109	TL06108	End Cover		1
110	TS1514011	Hex Socket Cap Screw	M6x12	3
111	TL06723	Control Shaft		1
112	TL06725	Pin		1
113	TL06724	Control Block		1
114	ZXA114	Oil Seal	20x2.4	1
115	ZXA115	Oil Seal	50x3.1	1
116	TL06119	Lever Flange		1
117	TS1514011	Hex Socket Cap Screw	M6x12	3
118	TL06118	Lever Support		1
119	TL06307	Sign Plate		1
120	TL06716	Lever		1
121	ZXB27	Taper Pin	6x60	1
164	ZXA164E	Hex head screw	M6x35	3
165	ZX06738E	Rack		1
167	ZX06740E	Handle		1
168	ZX06736E	Washer		1
169	ZXA169E	Hex head screw	M5x10	1
170	ZX06303E	Label		1
171	ZXA171E	Screw	M3x5	4

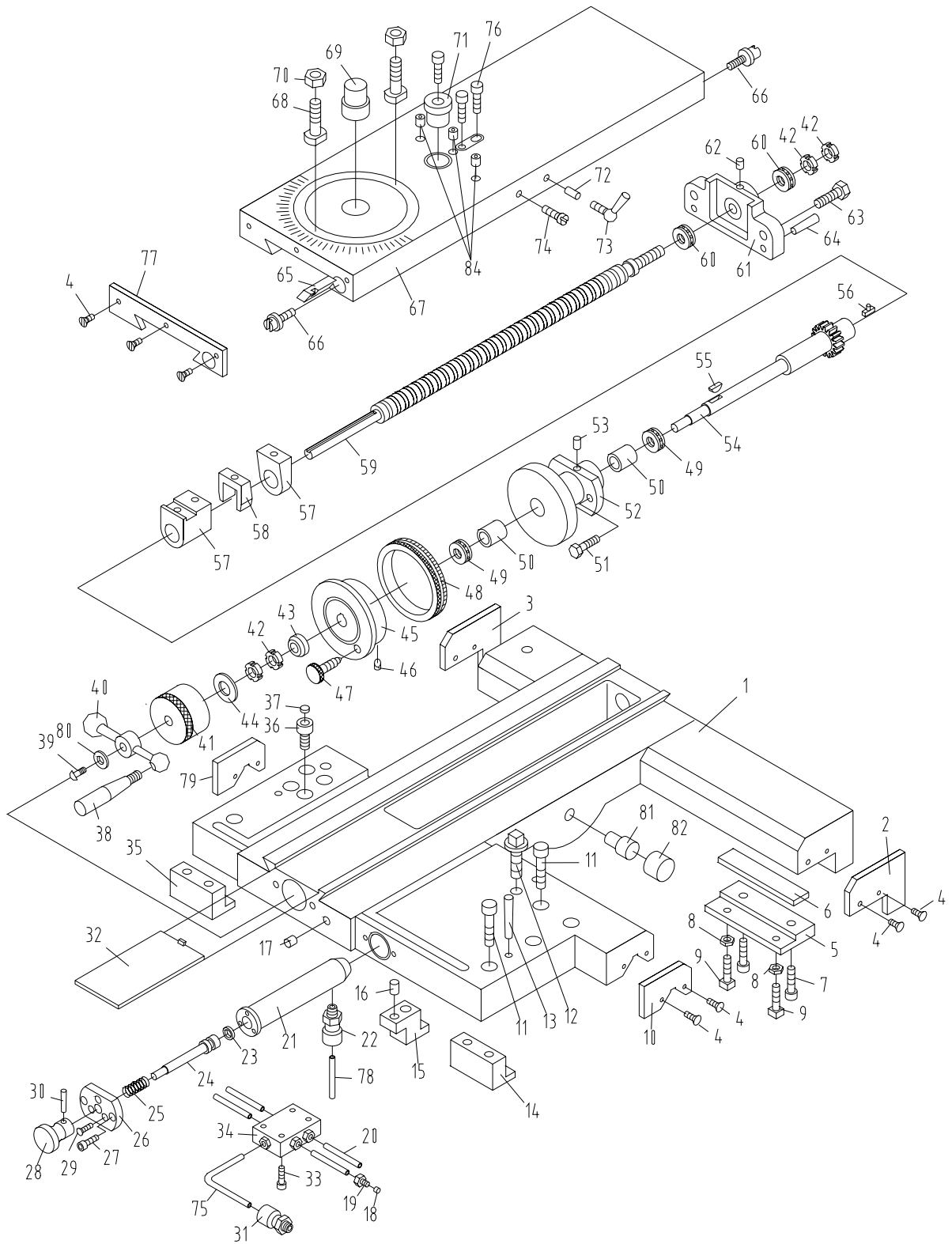
Apron Assembly III



Apron Assembly III

Index No.	Part No.	Description	Size	Qty.
141	ZXA141	Half Round Head Screw	M6x18	1
142	ZX11704	Washer		1
143	ZX11301	Dial		1
144	ZX11105	Adjusting Washer		1
145	ZX11701	Shaft		1
146	ZXH10	Half Circle Key	4x16	1
147	ZXA147	Half Round Head Screw	M3x6	5
148	ZX11303	Positioning Sign Plate		1
149	ZX11703	Adjusting Washer		1
150	ZX11101	Casting		1
151	ZXA151	Acorn Nut	M12	1
152	ZX11304	Thread Chasing Label		1
153	ZX11102E	Helical Gear	2m15T	1
154	TS1550071	Flat Washer	M10	1
155	TS1540072	Hex Nut	M10	1
156	ZX11702	Bolt		1
157	ZXA157	Oil Cup	8	2

Carriage Assembly

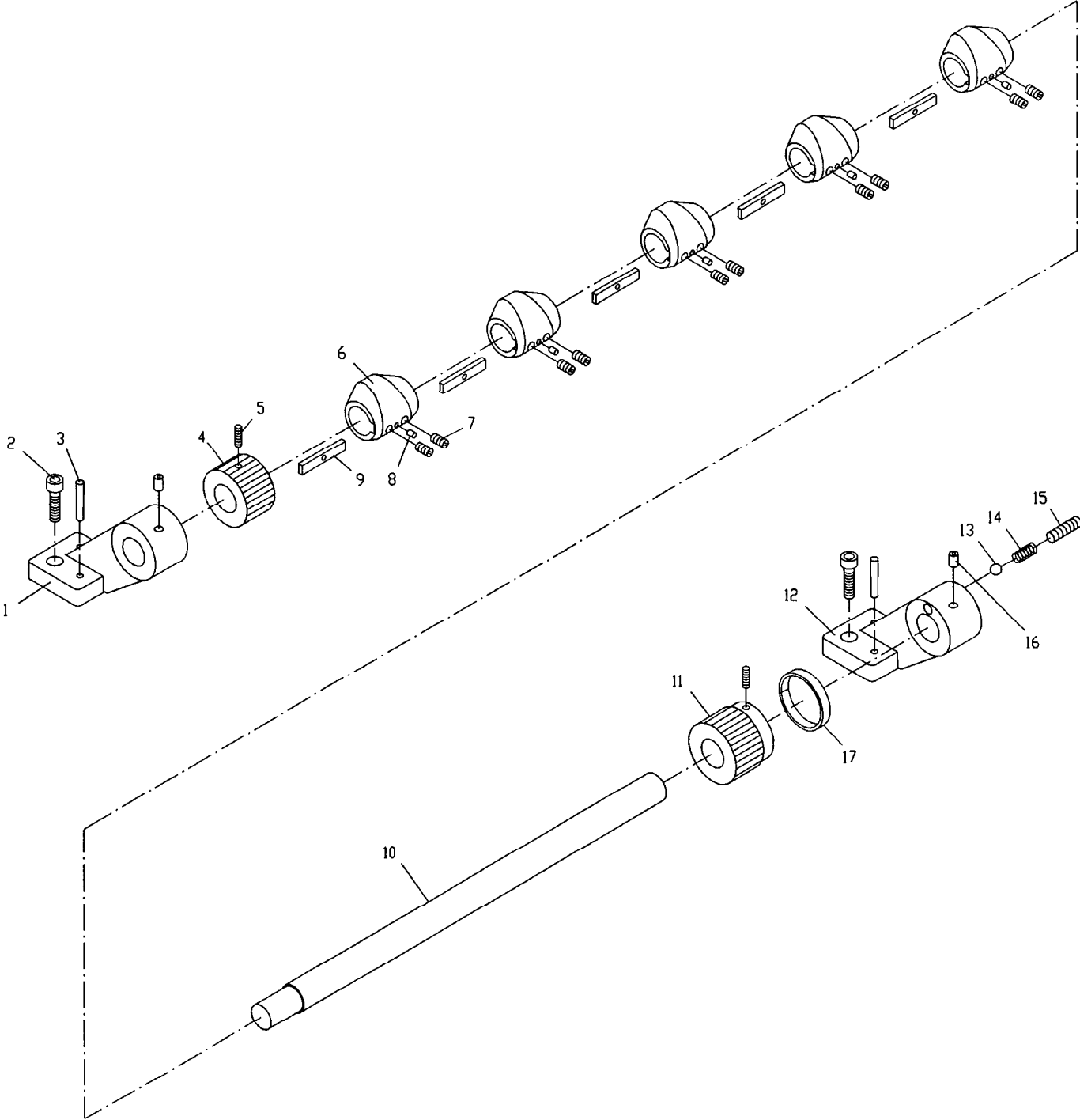


Carriage Assembly

Index No.	Part No.	Description	Size	Qty.
1	ZXK04101A	Saddle Casting		1
2	ZX04505	Wipe Plate (serial # 9100690 and lower)		1
	ZX04505J	Wipe Plate (serial # 10040691 and higher)		1
3	ZX04504	Wipe Plate (serial # 9100690 and lower)		1
	ZX04504J	Wipe Plate (serial # 10040691 and higher)		1
4	ZXH211	Countersunk Head Screw (serial # 10040690 and lower)	M5x16	11
	ZXC04	Half Round Head Screw (serial # 10040691 and higher)	M5x16	11
5	ZX04724	Clamping Block		2
6	ZX04113	Lining Plate		2
7	TS1516031	Hex Socket Cap Screw	M10x30	4
8	TS1540061	Hex Nut	M8	4
9	ZXCA09	Square Set Screw	M8x20	4
10	ZX04506	Wipe Plate (serial # 9100690 and lower)		1
	ZX04506J	Wipe Plate (serial # 10040691 and higher)		1
11	TS1505071	Hex Socket Cap Screw	M10x45	8
12	ZXCA12	Square Cap Bolt	M12x60	1
13	ZXCA13	Taper Pin	8x60	2
14	ZX04729	Clamping Block		1
15	ZX04730	Locking Plate		1
16	ZXCA16	Pin	4n6x12	1
17	ZX04772	Blocking Piece		1
18	ZXCA18	Fitting Joint Seal	A4	8
19	ZXCA19	Hollowed Bolt	A4	8
20	ZXCA20	Copper Tube		4
21	ZX04782	Manual Oil Pump Casting		1
22	ZX04781A	In Valve		1
23	ZXCA23	Oil Ring	15x2.4	1
24	ZX04784	Piston		1
25	ZXCA25	Spring	1.2x14x65	1
26	ZX04785	Oil Pump Cover		1
27	TS1513031	Hex Socket Cap Screw	M5x16	2
28	ZX04783	Lever		1
29	ZXCA29	Countersunk Head Screw	M4x16	3
30	ZXA130	Taper Pin	4x20	1
31	ZX04781B	Out Valve		1
32	ZX04716	Chip Guard		1
33	ZXCA33	Slotted Cheese Head Screw	M5x20	4
34	ZX04780	Oil Distributor		1
35	ZX04740	Clamping Block		1
36	ZX04750	Oil Cap		1
37	ZX04301	Oil Indicator Cap		1
38	ZX04721	Lever		1
39	ZXCA39	Cross Head Screw	M5x16	1
40	ZX04720	Handle		1
41	ZX04769	Sleeve		1
42	ZXCA42	Round Nut	M12x1.25	4
43	ZX04719	Lining		1
44	ZX04770	Disc Spring		1
45	ZX04108	Flat Pan		1
46	ZX04790	Pushing Rod		1
47	ZX04789	Screw		1
48	ZX04717	Dial		1
49	BB51102	Thrust Bearing	15x28x9	2

50	ZX04111	Sleeve		2
51	TS1490041	Hex Cap Bolt	M8x25	2
Index	Part			
No.	No.	Description	Size	Qty.
52	ZX04109	Screw Support		1
53	ZXCA53	Oil Cup	8	1
54	ZX04707-1	Gear Sliding Sleeve	2m16T	1
55	ZXH10	Half Circle Key	4x16	1
56	ZX04751	Flat Key		1
57	ZX04302	Nut Assembly		1
58	ZX04748	Wedge		1
59	ZX04707-2	Lead Screw		1
60	BB51101/P6	Thrust Bearing	12x26x9	2
61	ZX04116	Bracket		1
62	ZXCA62	Oil Cup	6	1
63	TS1491041	Cap Screw	M10x30	2
64	ZXCA64	Taper Pin	8x30	2
65	ZX04731	Cross Slide Gib		1
66	ZX04725C	Screw		2
67	ZX04102A	Cross Slide		1
68	ZX04714	Screw (for 18" models, T-Slot)		2
	ZX04714C	Screw (for 16" models, T-Slot)		2
69	ZX04732	Pin		1
70	TS1540081	Hex Nut	M12	2
71	ZX04709	Sleeve		1
72	ZX04304	Pressing Pin	1	1
73	ZX04746	Screw		1
74	ZX04786	Set Screw		1
75	ZXCA75	Long Copper Tube		1
76	ZXC76	Socket Head Cap Screw	M8x22	3
77	ZX04502	Wipe Plate (serial # 9100690 and lower)		1
	ZX04502J	Wipe Plate (serial # 9100691 and higher)		1
78	ZXCA78	Copper Tube		6
79	ZX04503	Wipe Plate (serial # 9100690 and lower)		1
	ZX04503J	Wipe Plate (serial # 9100691 and higher)		1
80	ZX04771	Lining		1
81	ZX04788	Stop Pin		1
82	ZX04507	Stop Pin Cap		1
	ZXCSNA	Crossfeed Screw & Nut Assy. (includes # 57- 59. for 16/18")		
	ZXCDA	Crossfeed Dial Assy. (includes # 41-50, 51-56. for 16/18")		
84	ZXCA84	Oil Cup	10	3

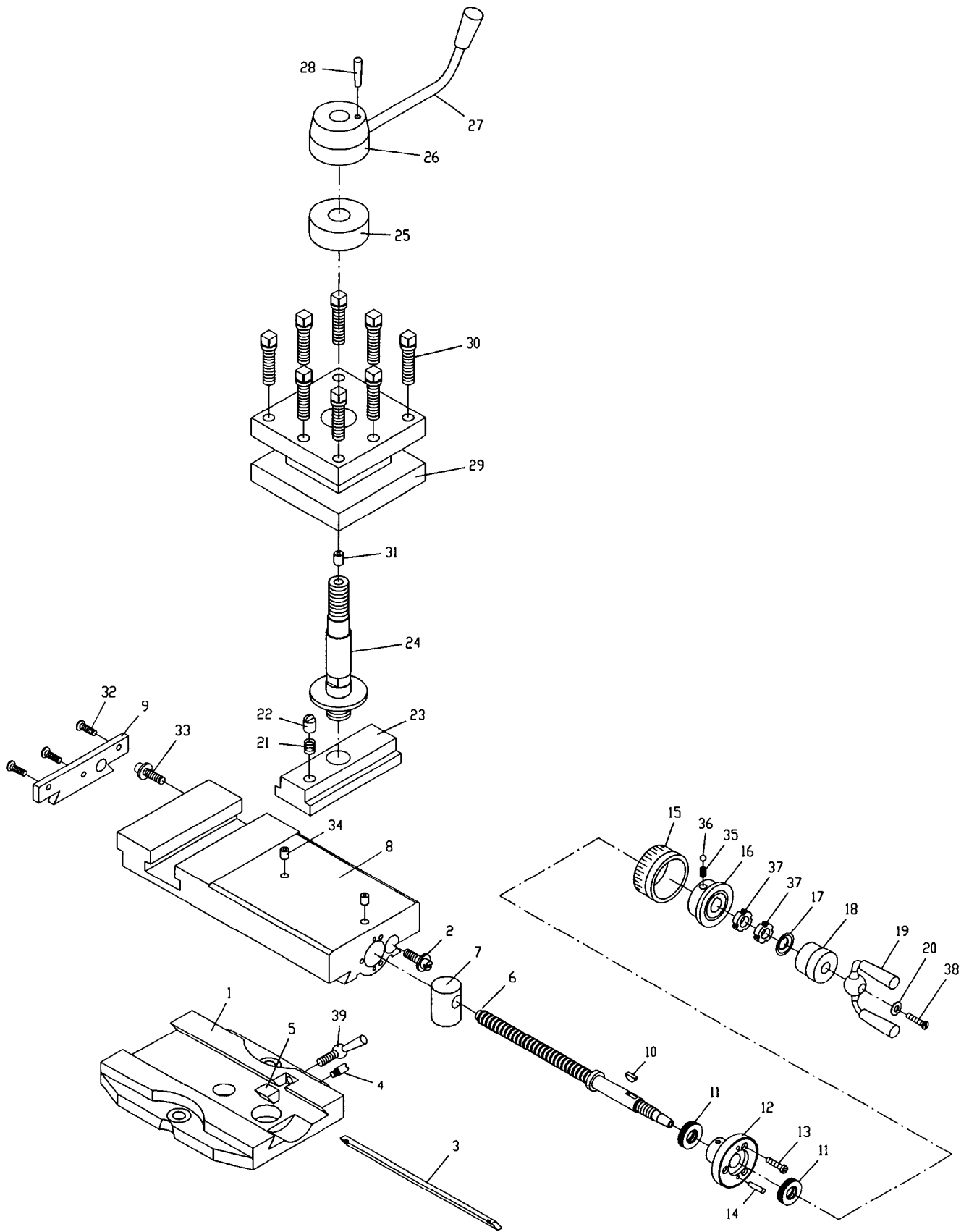
Carriage Stop Assembly



Carriage Stop Assembly

Index No.	Part No.	Description	Size	Qty.
1	ZX26101	Left Support		1
2	TS1504041	Hex Socket Cap Screw	M8x20	4
3	ZXC34	Taper Pin	6x30	4
4	ZX26704	Control Ring		1
5	TS1523031	Set Screw	M6x10	2
6	ZX26702	Eccentric Travel Setting Ring		5
7	ZXH66	Flat End Set Screw	M6x10	10
8	ZXCS08	Pin	4n6x10	5
9	ZX26703	Locking Key		5
10	ZX26701A	Travel Setting Rod (for 1640/1840ZX)		1
	ZX26701B	Travel Setting Rod (for 1660/1860ZX)		1
	ZX26701C	Travel Setting Rod (for 1880ZX)		1
11	ZX26705	Control Ring		1
12	ZX26104	Right Support		1
13	ZXH5	Steel Ball	8	1
14	ZXCS14	Compression Spring	2x8x25	1
15	ZXCS15	Flat Head Set Screw	M10x12	1
16	ZXCS16	Oil Cup	8	2
17	ZX26301	Dial		1

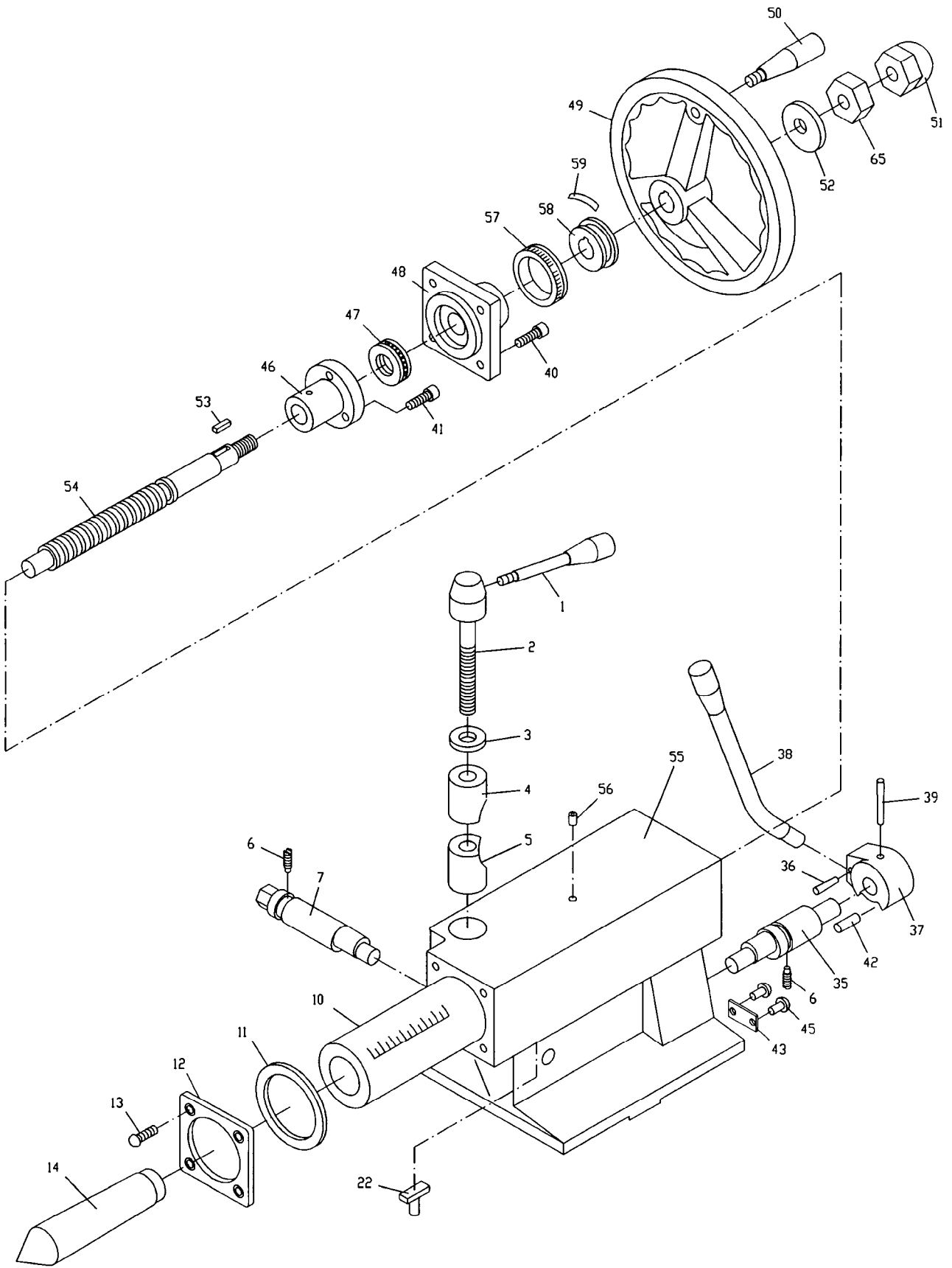
Four Way Tool Post



Four Way Tool Post

Index No.	Part No.	Description	Size	Qty.
1	ZX04103B	Revolving Plate (for 16" models)		1
	ZX04103C	Revolving Plate (for 18" models)		1
2	ZX04725	Screw		1
3	ZX04710	Gib		1
4	ZX04786	Screw		1
5	ZX04303	Pressing Block		1
6	ZX04706	Lead Screw		1
7	ZX04106A	Nut		1
8	ZX04107B	Top Slide		1
9	ZX04501	Wipe Plate		1
10	ZXF10	Half Circle Key	3x13	1
11	BB51102	Thrust Bearing	15x28x9	2
12	ZX04115	Sleeve		1
13	ZXF13	Slotted Cheese Head Screw	M5x12	3
14	ZXF14	Taper Pin	3x18	2
15	ZX04727	Dial		1
16	ZX04114	Sleeve		1
17	ZX04768	Disc Spring		1
18	ZX04767	Sleeve		1
19	ZX04726	Handle		1
20	ZX04771	Lining		1
21	ZX04763	Spring	0.8x6x25	1
22	ZX04787	Positioning Block		1
23	ZX04752A	T-Slot Nut		1
24	ZX04754	Shaft		1
25	ZX04759	Adjusting Lining Sheet		1
26	ZX04110	Lever Support		1
27	ZX04753	Handle		1
28	ZXQ66	Taper Pin	5x35	1
29	ZX04713B	Tool post		1
30	ZXF30A	Clamping Screw	M12x45	8
31	ZXF31	Oil Cup	8	1
32	ZXH211	Countersunk Head Screw	M5x16	3
33	ZX04725C	Screw		1
34	ZXF34	Oil Cup	8	2
35	ZXF35	Spring	0.7x5x9	2
36	ZXF36	Steel Ball	6	2
37	ZXF37	Round Nut	M12x1.25	2
38	ZXCA39	Cross Head Screw	M5x16	1
39	ZX04746K	Screw Wrench		1
	ZXTA16/18	Toolholder Assy. (includes # 29 & 30)		
	ZXCPA16	Compound Assy. 16" (includes # 1-20,32-39)		
	ZXCPA18	Compound Assy. 18" (includes # 1-20,32-39)		

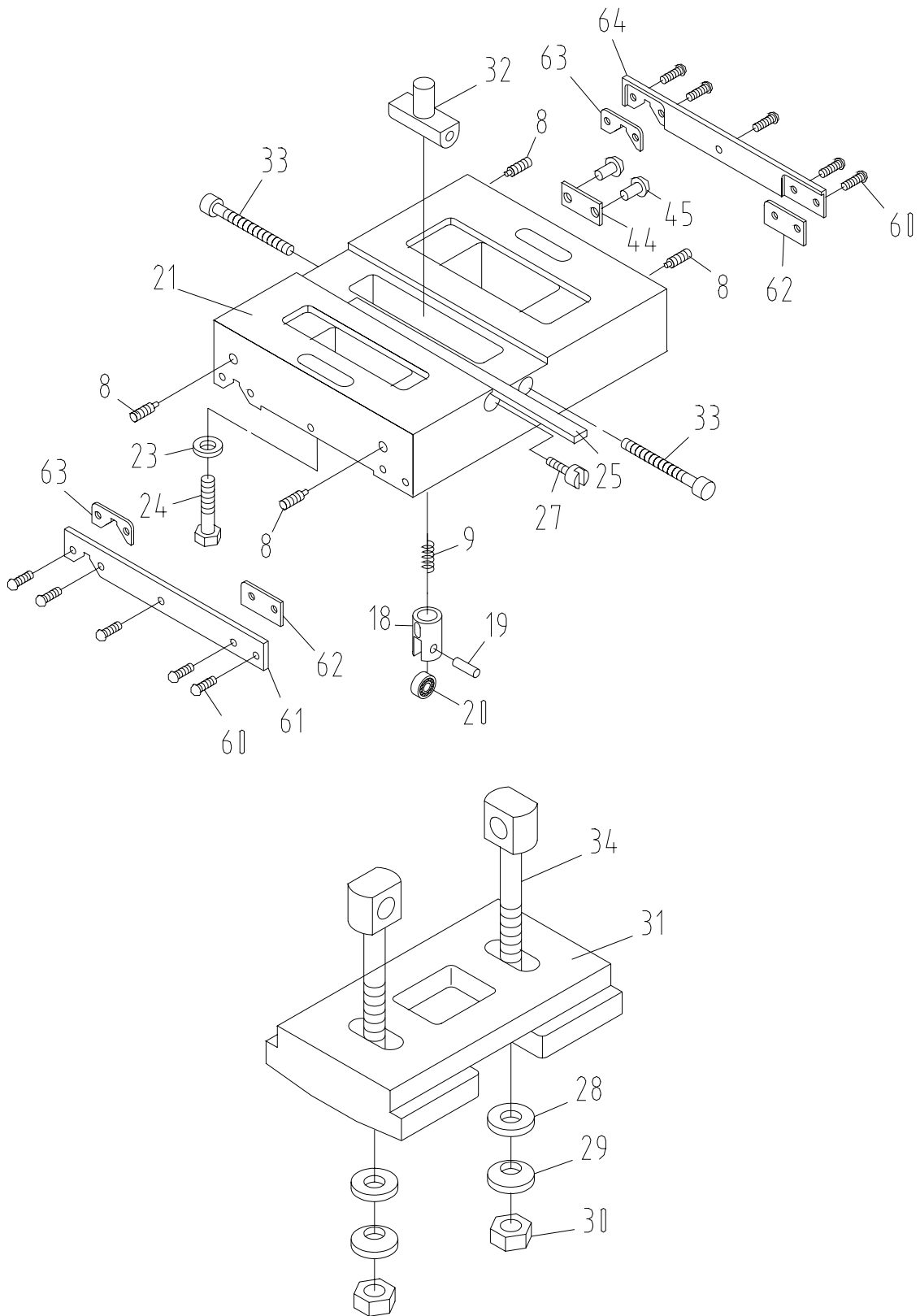
Tailstock Assembly I



Tailstock Assembly I

Index No.	Part No.	Description	Size	Qty.
1	ZX03711	Handle		1
2	ZX03717	Lever Support		1
3	ZX03718	Washer		1
4	ZX03719	Clamping Block		1
5	ZX03720	Clamping Block		1
6	ZXT06	Cylindrical End Set Screw	M8x14	2
7	ZX03712	Eccentric Shaft		1
10	ZX03701A	Center Sleeve (for 18" models)		1
	ZX03701B	Center Sleeve (for 16" models)		1
11	ZXT11	Ring Seal	75x2.65	1
12	ZX03703	Front Cover		1
13	ZXT13	Cross Recessed Countersunk Head Screw	M5x10	4
14	ZXT14A	Center Morse (for 18" models)	No.5	1
	ZXT14B	Center Morse (for 16" models)	No.4	1
22	ZX03702	Positioning Block		1
35	ZX03714	Eccentric Shaft		1
36	ZXT36	Taper Pin	6x32	1
37	ZX03104	Lever Sleeve		1
38	ZX03709	Lock handle		1
39	ZXA28	Taper Pin	6x55	1
40	TS1504041	Hex Socket Cap Screw	M8x20	4
41	TS1515031	Hex Socket Cap Screw	M8x22	3
42	ZXT42	Pin	10n6x22	1
43	ZX03302	Sign Plate		1
45	ZXT45	Nail	3x8	4
46	ZX03105E	Nut	5mm	1
47	BB51205	Thrust Ball Bearing	25x47x15	1
48	ZX03104	Back Cover		1
49	ZX03103	Hand Wheel		1
50	ZX03707	Lever		1
51	ZXT51	Acorn Nut	M16	1
52	TS2360161	Flat Washer	B16	1
53	ZXT53	Key	6x40	1
54	ZX03710AE	Lead Screw (for 18" models)	5mm	1
	ZX03710BE	Lead Screw (for 16" models)	5mm	1
55	ZX03101A	Tailstock Casting (for 18" models)		1
	ZX03101B	Tailstock Casting (for 16" models)		1
56	ZXT56	Oil Cup	8	1
57	ZX03708	Dial		1
58	ZX03706	Sleeve		1
59	ZX03711C	Spring Leaf		1
65	TS2310162	Nut	M16	1

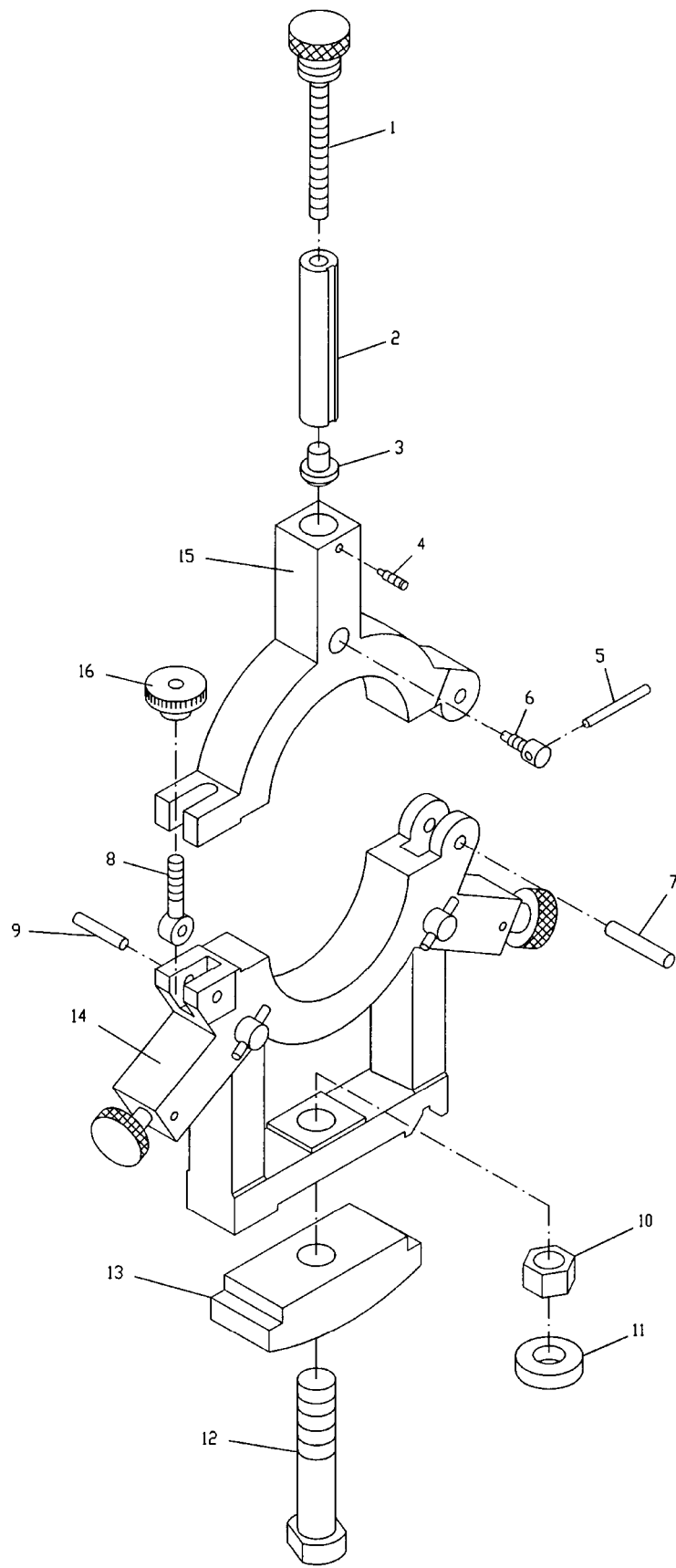
Tailstock Assembly II



Tailstock Assembly II

Index No.	Part No.	Description	Size	Qty.
8	ZXT08	Flat End Set Screw	M6x18	4
9	ZXT09E	Spring		1
18	ZX03714	Bearing Support		4
19	ZX03715	Small Axle		4
20	ZXT20	Ball Bearing	7x19x6	4
21	ZX03102A	Sliding Base (for 18" models)		1
	ZX03102B	Sliding Base (for 16" models)		1
23	TS1550071	Flat Washer	M10	2
24	TS1491151	Hex Cap Bolt (for 18" models)	M10x90	2
	TS1491121	Hex Cap Bolt (for 16" models)	M10x70	2
25	ZX03704	Gib		1
27	ZX03718C	Adjusting Screw		2
28	ZXT28	Taper Washer	16	2
29	ZXT29	Spherical Washer	16	2
30	TS2310162	Hex Nut	M16	2
31	ZX03106	Clamping Bracket		1
32	ZX03105C	Nut		1
33	ZXT33	Hex Socket Cap Screw	M8x85	2
34	ZX03705A	Pulling Rod (for 18" models)		2
	ZX03705B	Pulling Rod (for 16" models)		2
44	ZX03303	Sign Plate		1
45	ZXT45	Nail	3x8	4
60	ZXT60	Half Round Head Screw	M5 x12	10
61	ZX03721	Plate		1
62	ZX03502	Wipe Plate		2
63	ZX03503	Wipe Plate		2
64	ZX03716	Plate		1
	ZXTSA16	Tailstock Assy. 16" (includes # 1-13,15-65)		
	ZXTSA18	Tailstock Assy. 18" (includes # 1-13,15-65)		

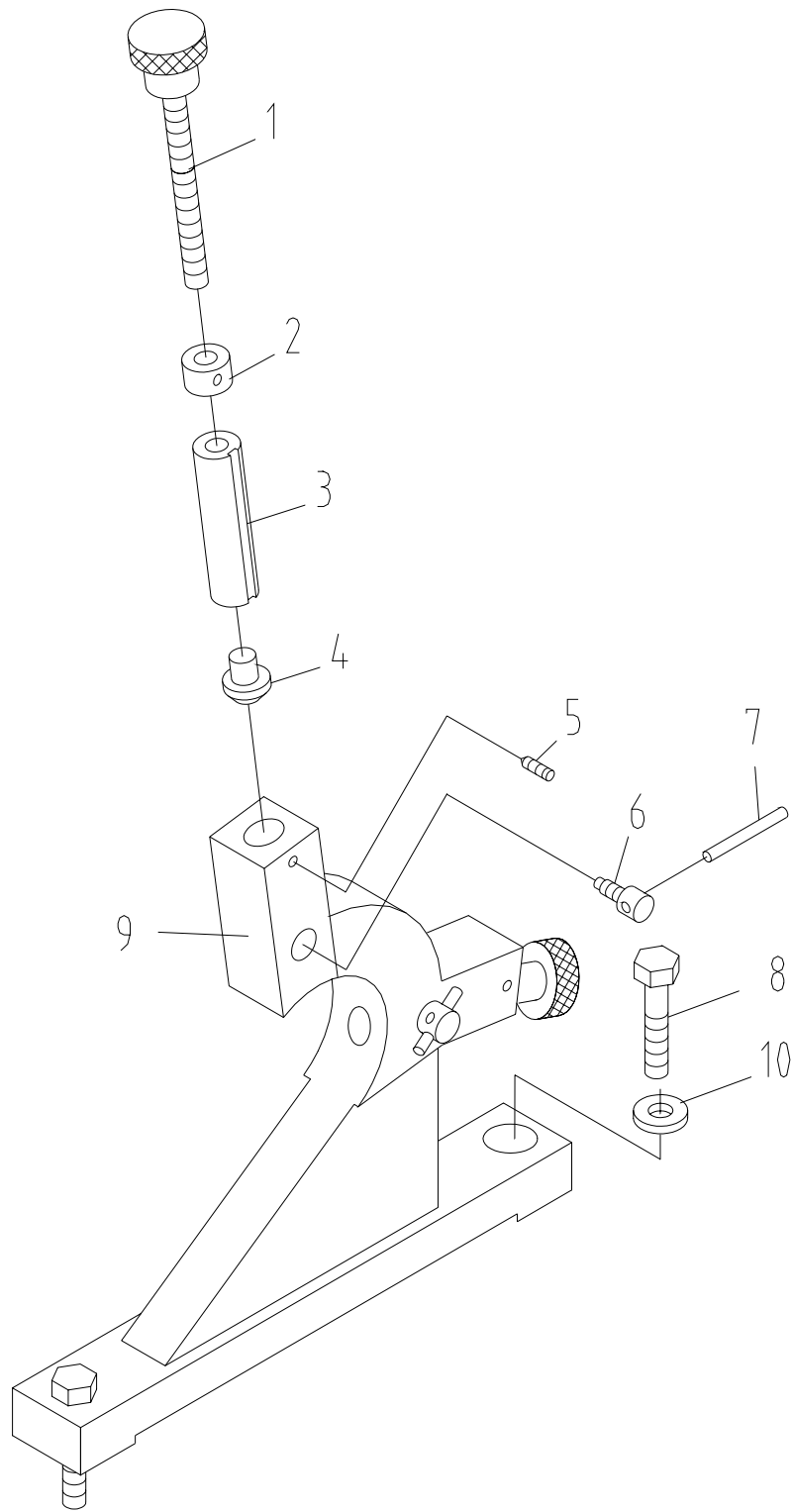
Steady Rest Assembly



Steady Rest Assembly

Index No.	Part No.	Description	Size	Qty.
1	ZX10702B	Screw (for 16" models)		3
	ZX10702C	Screw (for 18" models)		3
2	ZX10705D	Sliding Sleeve		3
3	ZX10301D	Pushing Block		3
4	ZXSR04	Slotted Set Screw	M6x20	3
5	ZX10705	Lever		3
6	ZX10706	Locking Screw		3
7	ZXC36	Pin	10n6x40	1
8	ZX10701E	Hinge Screw(for 16" models)		1
	ZX10701F	Hinge Screw(for 18" models)		1
9	ZXSR9	Pin	8n6x40	1
10	ZXSR10	Hex Nut	M20	1
11	ZXSR11	Flat Washer	20	1
12	ZX10708	Tightening Screw		1
13	ZX10103D	Clamping Plate		1
14	ZX10101E	Lower Part of Steady Rest (for 16" models)		1
	ZX10101F	Lower Part of Steady Rest (for 18" models)		1
15	ZX10102E	Upper Part of Steady Rest (for 16" models)		1
	ZX10102F	Upper Part of Steady Rest (for 18" models)		1
16	ZXSR16	Round Nut	M10	1
	ZXSRA16	Steady Rest Assy.16" (includes # 1-16)		1
	ZXSRA18	Steady Rest Assy.18" (includes # 1-16)		1

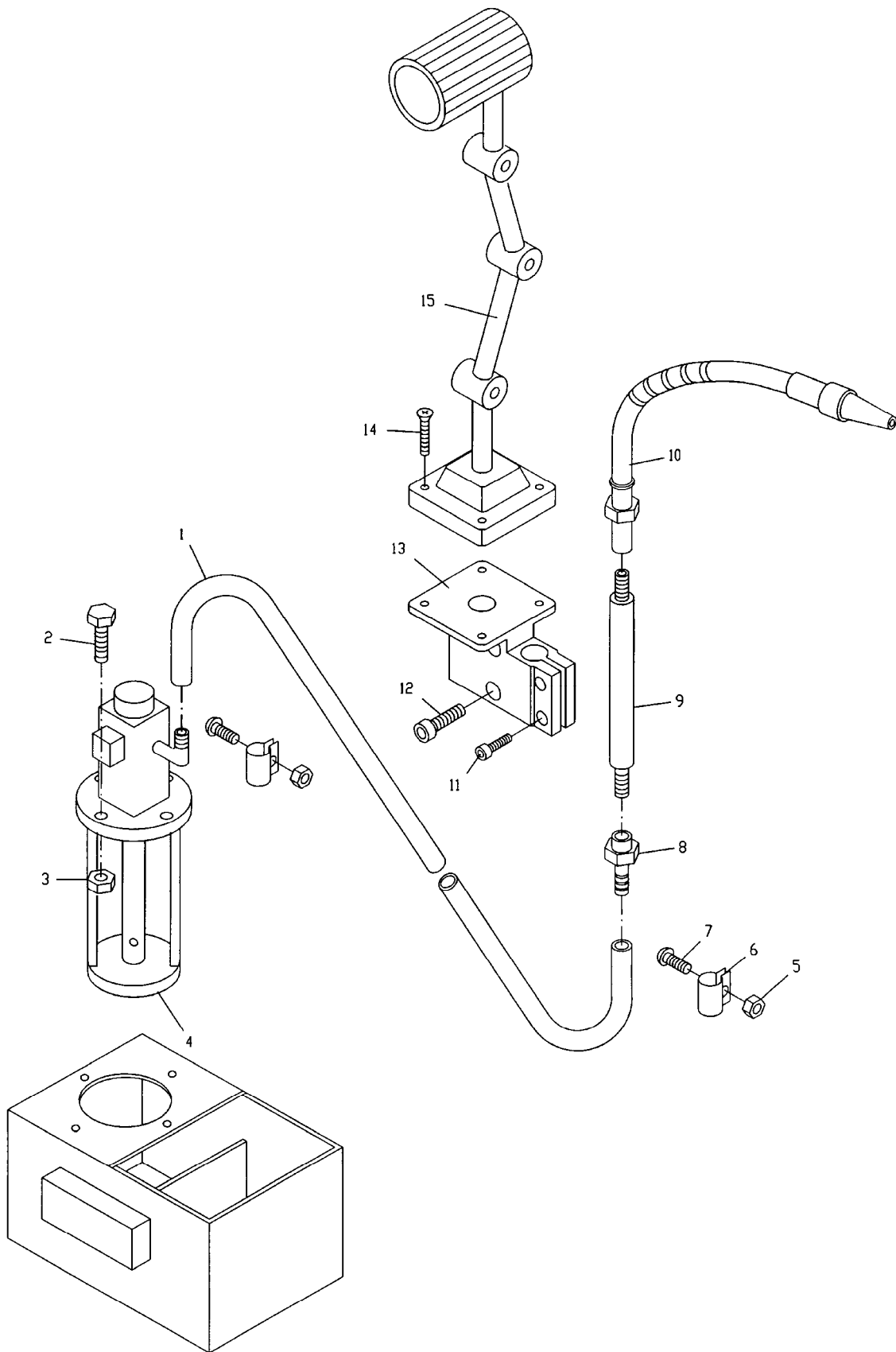
Follow Rest Assembly



Follow Rest Assembly

Index No.	Part No.	Description	Size	Qty.
1	ZX10710	Screw		2
2	ZX10704	Nut		2
3	ZX10707	Sliding Sleeve		2
4	ZX10301	Supporting Piece		2
5	ZXFR05	Slotted Set Screw	M6x10	2
6	ZX10705	Locking Screw		2
7	ZX10706	Handle		2
8	ZXFR08	Hex Cap Bolt	M12x55	2
9	ZX10102B	Follow Rest Casting (for 16" models)		1
	ZX10102C	Follow Rest Casting (for 18" models)		1
	ZXFRA16	Follow Rest Assy. 16" (includes # 1-7,9)		
	ZXFRA18	Follow Rest Assy. 18" (includes # 1-7,9)		
10	GB97.2	Flat Washer	12	2

Coolant & Work Light Assembly

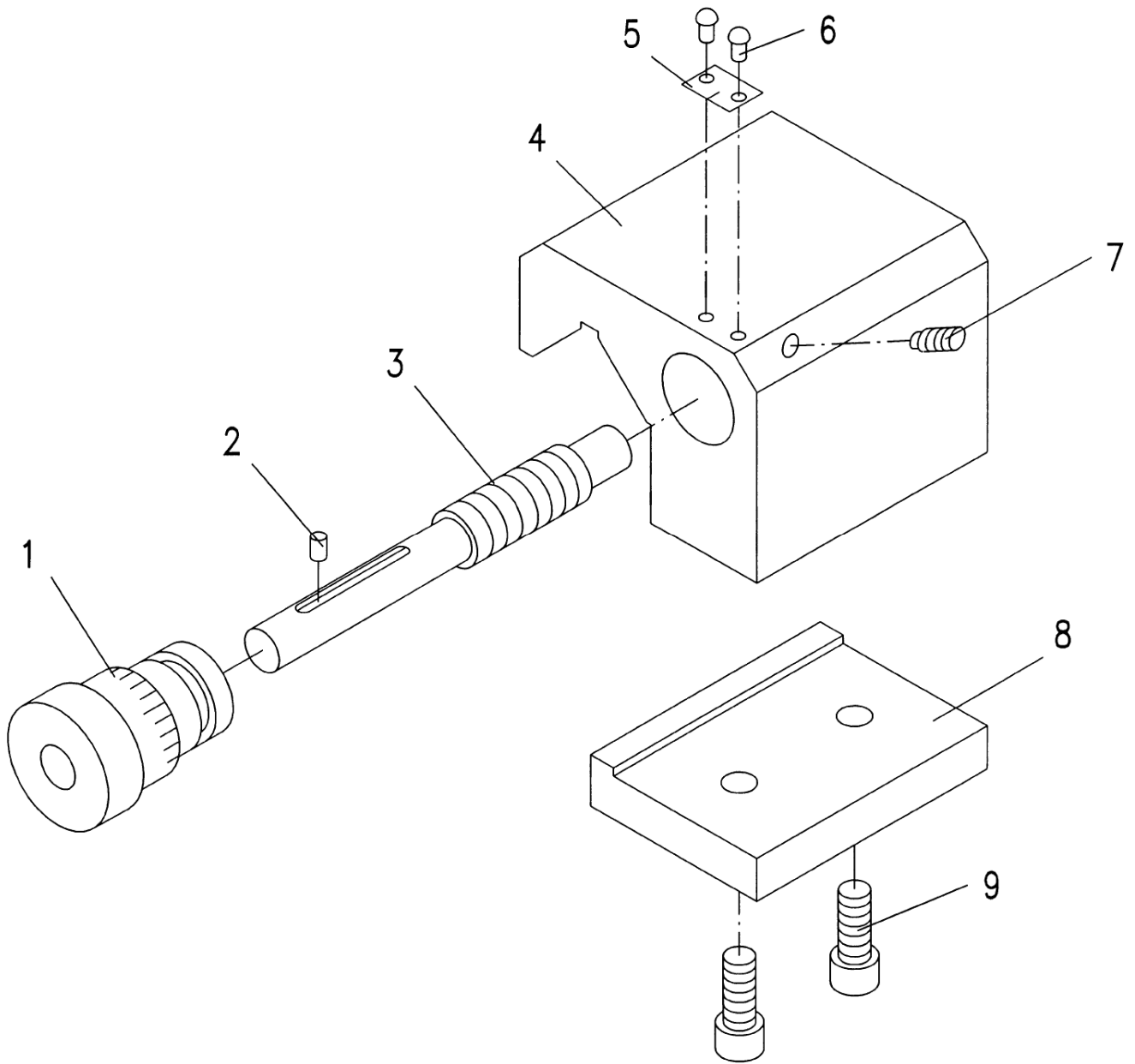


Coolant & Work Light Assembly

Index No.	Part No.	Description	Size	Qty.
1	RT001A	Rubber Tube (for 1640/1840ZX)	ID 1/2"x1280mm	1
	RT001B	Rubber Tube (for 1660/1860ZX)	ID 1/2"x1780mm	1
	RT001C	Rubber Tube (for 1880ZX)	ID 1/2"x2280mm	1
2	ZXCW02	Hex Cap Bolt	M5x25	4
3	ZXCW03	Hex Nut	5	4
4	ZXCW04E	Coolant Pump		1
5	ZXCW05	Hex Nut	M6	2
6	ZX01727	Clip For Rubber Tube		2
7	ZXCW07	Half Round Head Screw	M6x16	2
8	ZX01728	Fitting		1
9	ZX01729	Flow Pipe		1
10	ZXCW10	Coolant Device		1
	ZXCW10-1	Coolant Tap	G3/8"	1
11	TS1514021	Hex Socket Cap Screw	M6x16	2
12	TS1515051	Hex Socket Cap Screw	M8x40	2
13	ZXCW13	Lamp Support		1
14	ZXS04	Cross Head Screw	M6x14	4
15	ZXCW 15	Lamp Frame		1
	ZXCW16	Bulb	50W, AC24V	1
	ZXLA	Light Assy (includes # 13-15)		

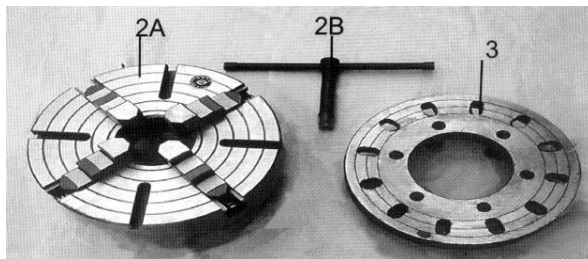
Micro Carriage Stop

Index No.	Part No.	Description	Size	Qty.
1	ZX09709	Dial		1
2	ZXMS2	Pin	B4x8	1
3	ZX09708	Axle		1
4	ZX09105	Stop		1
5	ZX03302	Sign Plate		1
6	ZXMS6	Nail	3x8	2
7	ZXMS7	Hex Socket Set Screw	M6x12	1
8	ZX09106	Clamping Plate		1
9	ZXMS9	Hex Socket Cap Screw	M8x20	2



Other Parts

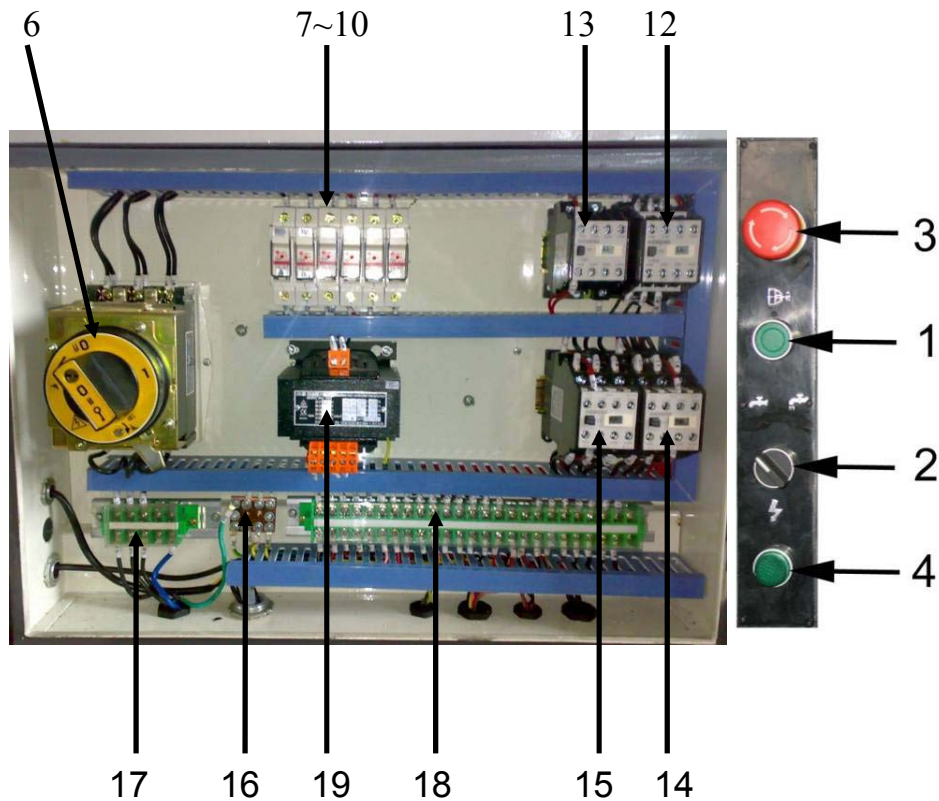
Index No.	Part No.	Description	Size	Qty.
1A	ZXOP-1A	3-Jaw Chuck (mounted on lathe)	250, D1-8	1
1B	ZXOP-1B	Chuck Wrench		1
2A	ZXOP-2A	4-Jaw Chuck	300, D1-8	1
2B	ZXOP-2B	Chuck Wrench		1
3	ZXOP-03	300 mm Face Plate (for 16" models)		1
	ZXOP-03N	400 mm Face Plate (for 18" model only)		1
4	ZXOP-04	Tool Tightening Wrench		1
5	ZXOP-05	Cam Tightening Wrench		1
6	ZXOP-06	Center		1
7	ZXOP-07	MT-4 Live Center (for 16" models)		1
	ZXOP-07N	MT-5 Live Center (for 18" model only)		1
8	ZXOP-08	Morse Reduction Sleeve		1
9	ZXOP-09	Oil Gun		1
10	ZXOP-10	Touchup Paint Can		1
11	ZXOP-11	Gap Bridge Pin Driver		1
12	ZXOP-12	Hex Wrench	2,2.5,4,5,6,8,10	7
13	ZXOP-13	Double End		1
14	ZXOP-14	Flat Blade Screw Driver		1
15	ZXOP-15	Cross Point Screw Driver		1
16	ZXOP-16	Adjustable Wrench		1
17	ZXOP-17	Round Nut Wrench		1
18	ZXOP-18	Shear Pin		2
19	ZXOP-19	Fuse	2A	3
20	ZXOP-20	Fuse	3A	2
21	ZXOP-21	Indicate Bulb	110V or 24V	1
22	ZXOP-22	Taper Piece		1
23	ZXOP-23	Gear	3.5m35T (16")	1
	ZXOP-23	Gear	4m35T (18")	1
24	ZXOP-24	Leveling Pads		6



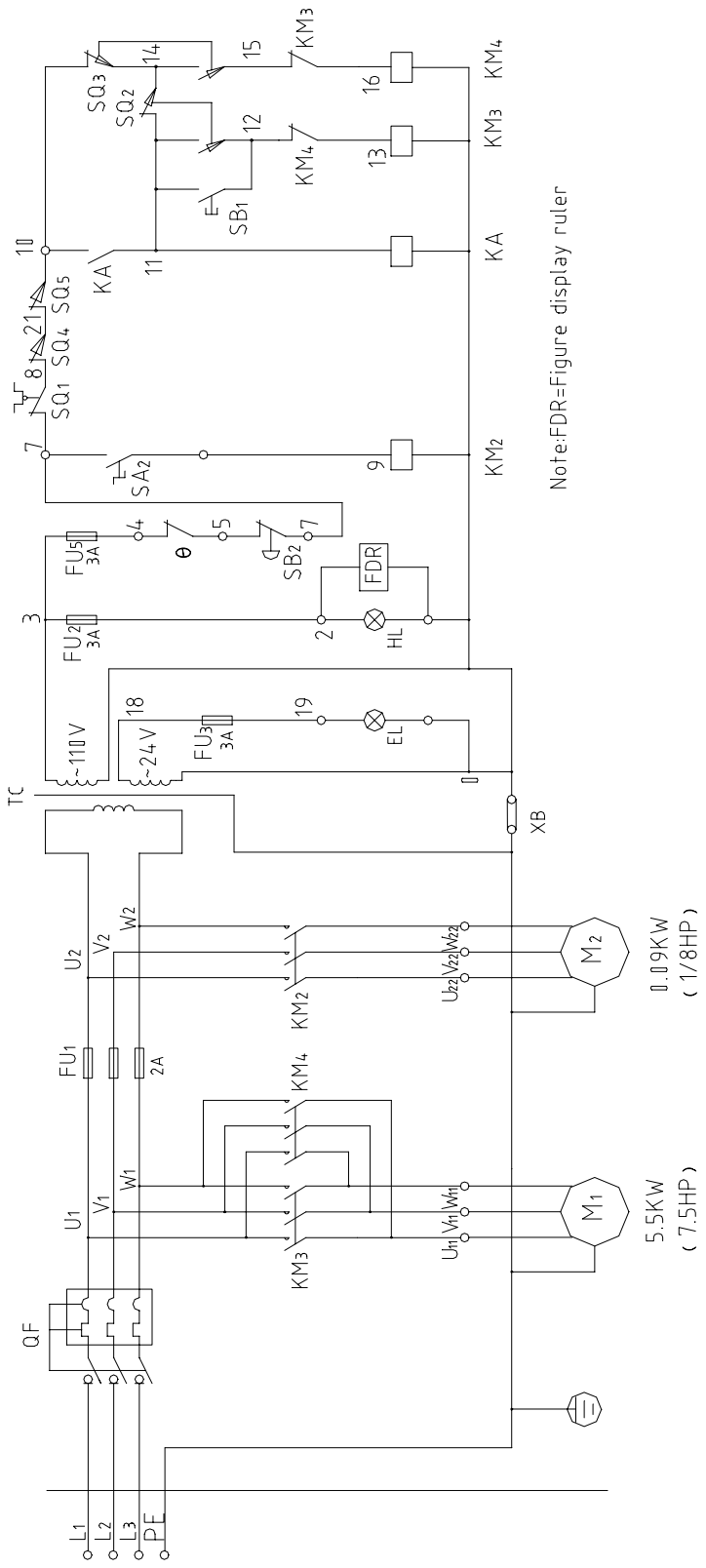
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Electric Cabinet

Index No.	Part No.	Description	Size	Qty.
1	ZXSB1E	Jog Button	LAY12-10	1
2	ZXSA2E	Coolant Control Button	LAY12-11X/2	1
3	ZXSB2E	Emergency Stop	LAY12-01ZS/1	1
4	ZXHLE	Power Indicator Light	LAY12-AD/110V	1
5	SQ2SQ3E	Stroke Switch	LXW5-11D1	2
6	ZXQF	Master Switch (40A)	DZ15-40	1
7	ZXFU1	Fuse (2A)	RT18-32	1
8	ZXFU2	Fuse (3A)	RT18-32	1
9	ZXFU3	Fuse (3A)	RT18-32	1
10	ZXFU5	Fuse (3A)	RT18-32	1
	ZXFB	Fuse Block		1
11	ZXQE	Temperature Relay	JW6	1
12	ZXKM2E	A.C. Contactor	3TB41	1
13	ZXKAE	A.C. Contactor	3TB80	1
14	ZXKM3E	A.C. Contactor	3TB43	1
15	ZXKM4E	A.C. Contactor	3TB43	1
16	ZXXBE	Copper Plate (for grounding)		1
17	ZXXT1E	Wiring Board	JTL-25	1
18	ZXXT2E	Wiring Board	JF25	1
19	ZXTCE	Control Transformer	JBK5-100TH	1
20	ZXSQ1E	Stroke Switch	LXW5-11N1	1
21	SQ4E	Stroke Switch	LXW5-11Q1	1
22	SQ5E	Stroke Switch	QKS8	1

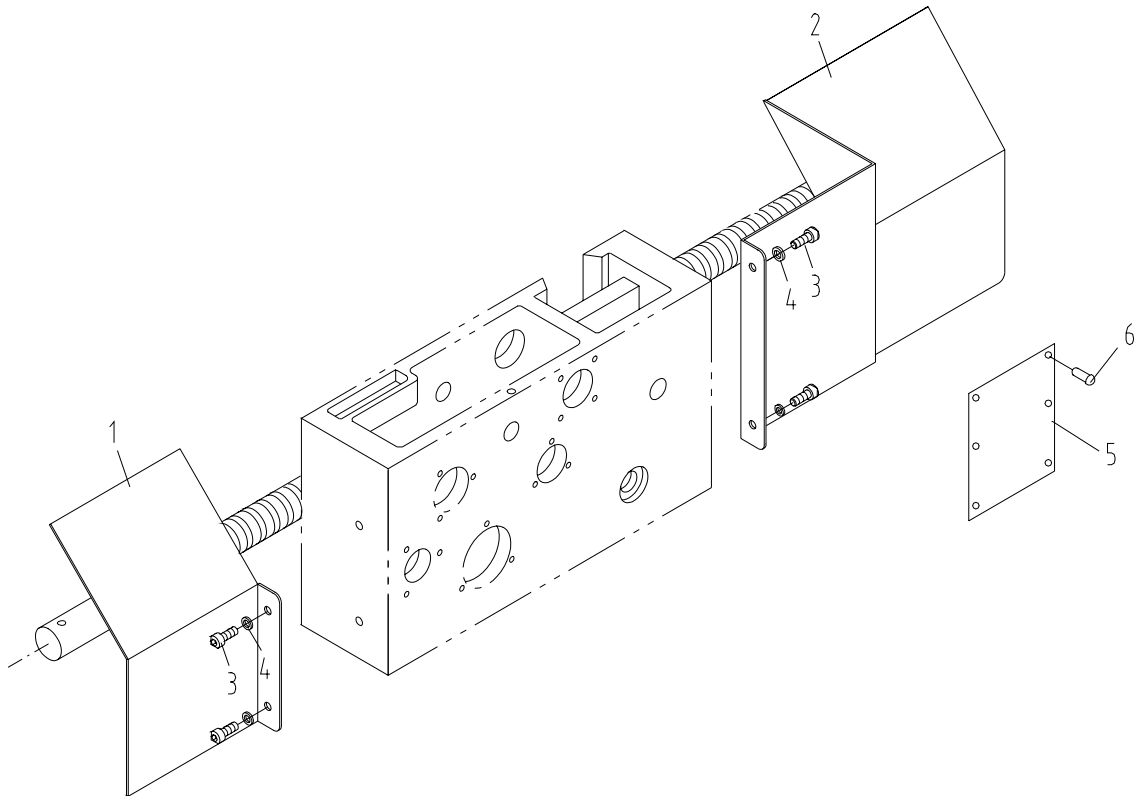


Wiring Diagram



Note: FDR=Figure display ruler

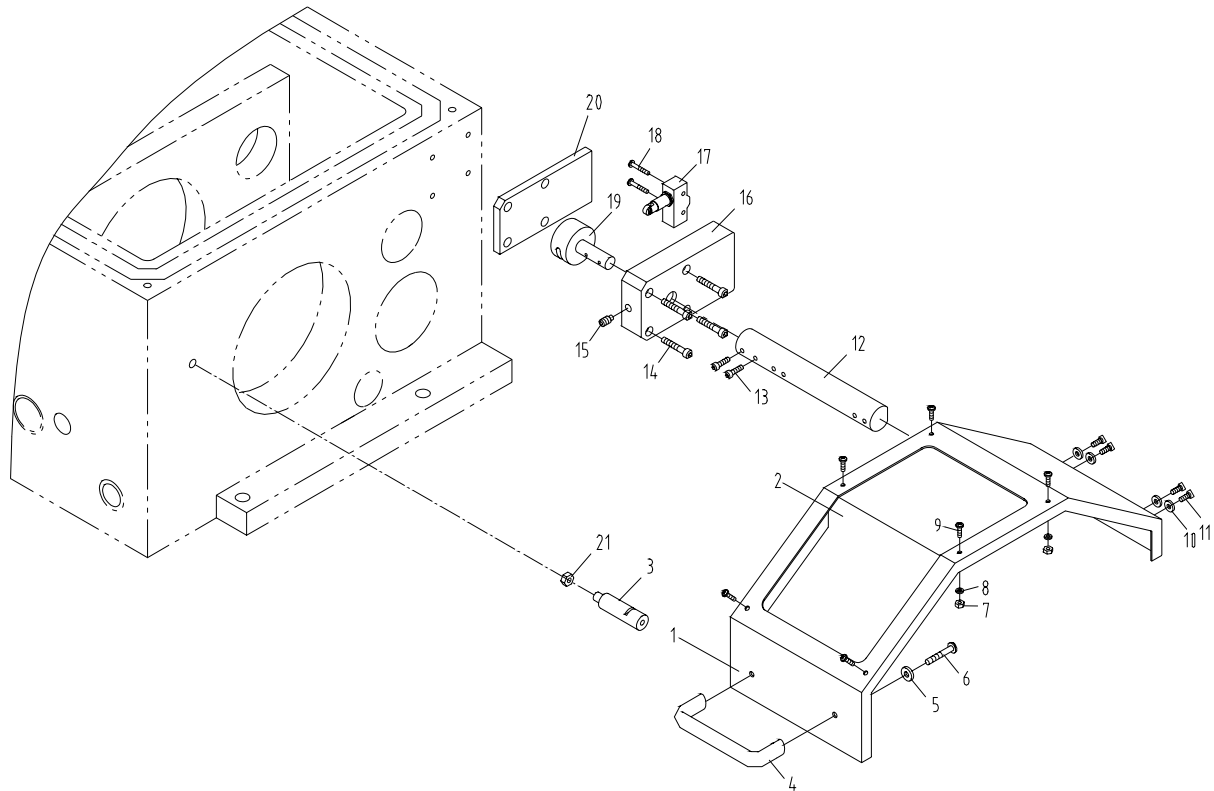
Protecting guards for three rods



Index No.	Part No.	Description	Size	Qty.
1	ZX20701E	Splash Guard		1
2	ZX20702E	Splash Guard		1
3	ZXP03E	Hex Socket Cap Screw	M6x8	4
4	ZXP04E	Washer	6	4
5	ZX11304E	Thread Chasing Label		1
6	ZXP06E	Half Round Head Screw	M3x6	6

(Note: This device is optional)

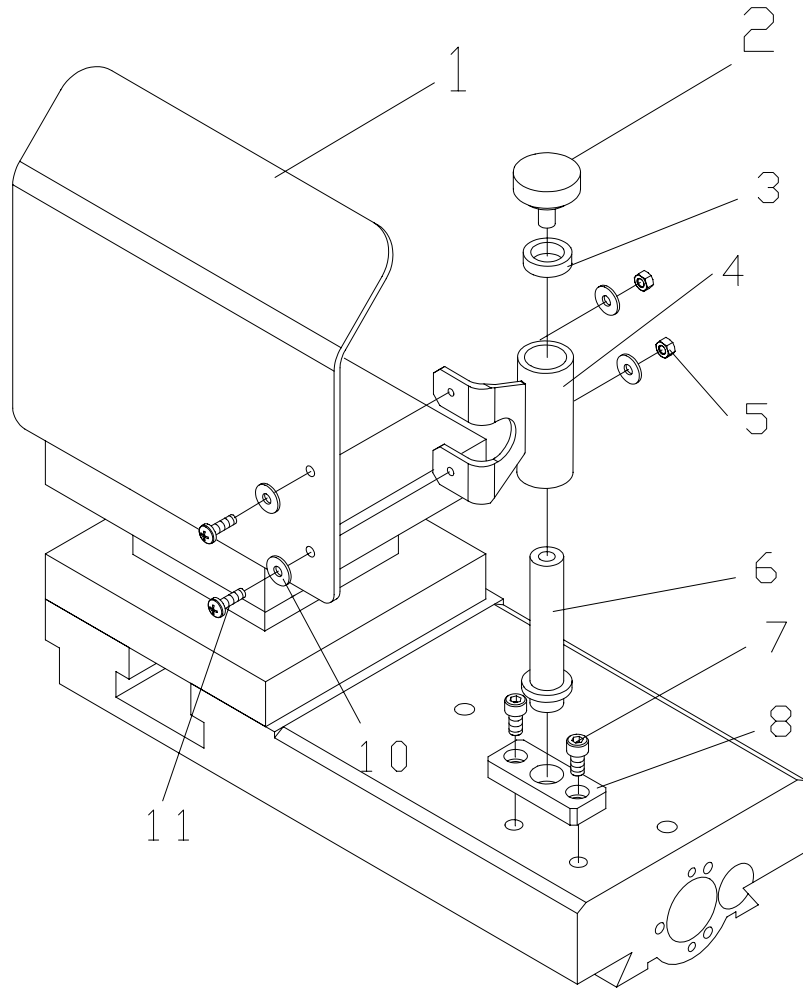
Safety guard cover



Index No.	Part No.	Description	Size	Qty.
1	ZX19701E	Protection guard		1
2	ZX19501E	Protection guard visual glass		1
3	ZX19704E	Fixing rod		1
4	ZXS04E	Handle	Z96-6	1
5	ZXS05E	Plain washers	6	2
6	ZXS06E	Cross recessed pan head screws	M6x12	2
7	ZXS07E	Hexagon thin nuts	M4	6
8	ZXS08E	Plain washers	4	6
9	ZXS09E	Cross recessed pan head screws	M4x12	6
10	ZXS10E	Plain washers	5	4
11	ZXS11E	Hexagon socket cap head screws	M5x16	4
12	ZX19703E	Rest bar		1
13	ZXS13E	Slotted set screws	M8x10	2
14	ZXS14E	Hexagon socket cap head screws	M6x35	4
15	ZXS15E	Hexagon socket set screws	M8x16	1
16	GH1440A19101E	Switch box		1
17	ZXS17E	Stroke switch	LXW5-11Q1	1
18	ZXS18E	Slotted pan head screws	M4x25	2
19	ZX19702E	Shaft		1
20	ZX19502E	Washer		1
21	ZXS21E	Nut	M8	1

(Note: This device is optional)

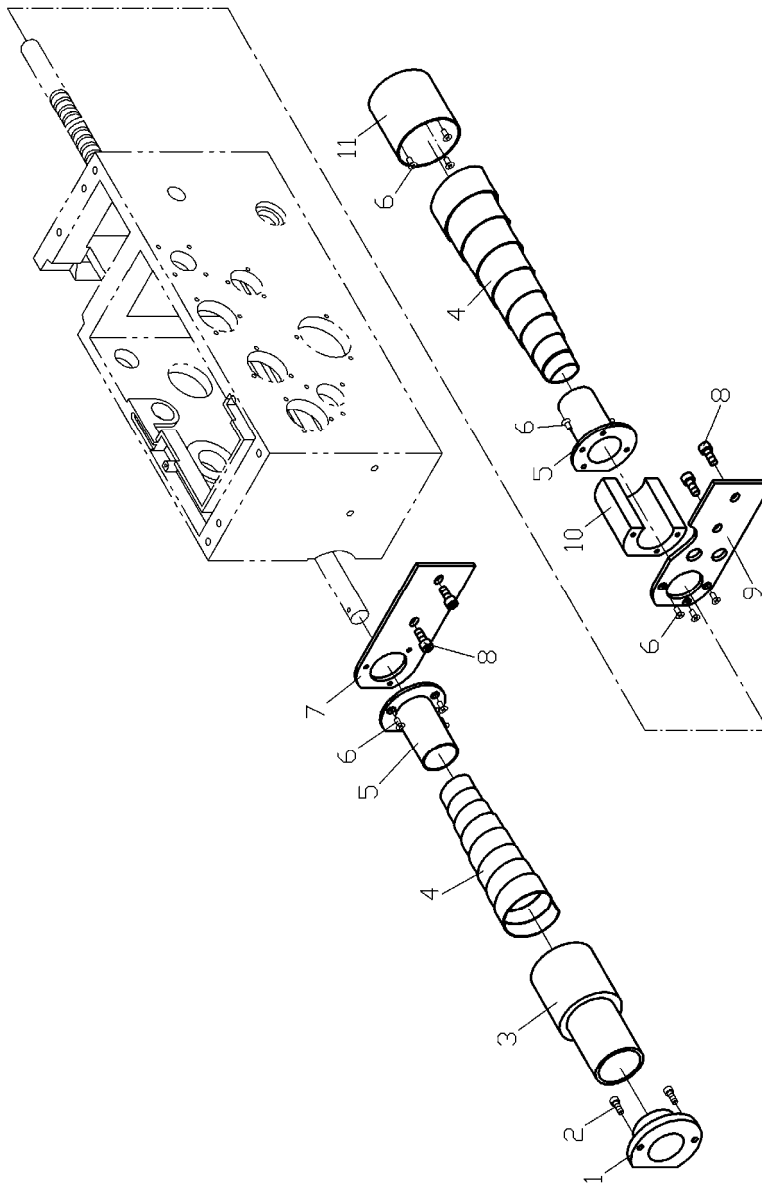
Toolpost Protection Device



Index No.	Part No.	Description	Size	Qty.
1	GH1640ZX20501	Shield		1
2	GH1640ZX20701	Clamping Screw		1
3	GH1640ZX20703	Washer		1
4	GH1640ZX20704	Sleeve		1
5	ZXTD05	Nut	M6	2
6	GH1640ZX20705-1	Bracket		1
7	ZXTD07	Hex Socket Cap Screw	M8x16	2
8	GH1640ZX20705-2	Bracket		1
10	ZXTD10	Washer	6	4
11	ZXTD11	Cross Recessed Pan Head Screw	M6x20	2

(Note: This device is optional)

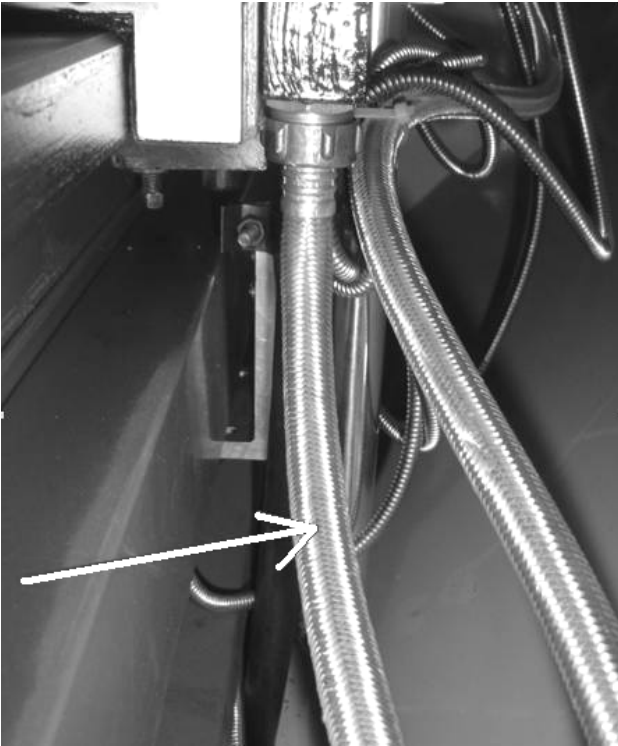
Lead Screw Protection Device



Index No.	Part No.	Description	Size	Qty.
1	1440R07101	Cover		1
2	ZXLD02	Cross Recessed Head Screw	M6x12	2
3	1440R07701A	Left Flange		1
4	LGB451000-100	Telescoping Sheet Cover(1000 Size)		2
	LGB451500-120	Telescoping Sheet Cover(1500 Size)		2
	LGB452000-140	Telescoping Sheet Cover(2000 Size)		2
5	1440R07702A	Flange		1
6	ZXLD06	Cross Recessed Head Screw	M5x12	10
7	1440R07703A	Left Bracket		1
8	ZXLD08	Hex Socket Cap Screw	M8x20	4
9	1440R07704A	Right Bracket		1
10	1440R07706A	Sleeve		1
11	1440R07705A	Right Flange		1

(Note: This device is optional)

Flexible Stainless Wire Woven Tube



Flexible Stainless wire for Work light Cable shown

- 1...ZX-WLCP01...Flexible Stainless Wire Woven Tube for Protecting Work Light Cable (for 1640/1840ZX only, not shown)...M20×1.5M20×1.5-1.7m.....1
- 2...ZX-WLCP02...Flexible Stainless Wire Woven Tube for Protecting Work Light Cable (for 1860/2260ZX only, not shown)...M20×1.5M20×1.5-2.2m.....1
- 3...ZX-WLCP03...Flexible Stainless Wire Woven Tube for Protecting Work Light Cable (for 1880/2280ZX only, not shown)...M20×1.5M20×1.5-2.7m.....1

- 4...ZX-DDCP01...Flexible Stainless Wire Woven Tube for Protecting DRO Cable (for 1640/1840ZX with DRO only, not shown)...M20×1.5-2.2m.....1
- 5...ZX-DDCP02...Flexible Stainless Wire Woven Tube for Protecting DRO Cable (for 1860/2260ZX with DRO only, not shown)...M20×1.5-2.7m.....1
- 6...ZX-DDCP03...Flexible Stainless Wire Woven Tube for Protecting DRO Cable (for 1880/2280ZX with DRO only, not shown)...M20×1.5-3.3m.....1

- 7...ZX-TPCG...Flexible Stainless Wire Woven Tube for Protecting Chuck Guard Cable (not shown)...M16×1.5M16×1.5-0.8m.....1

- 8...ZX-TPRFS...Flexible Stainless Wire Woven Tube for Protecting Rapid Feed System Wires (for 1860/1880/2260/2280ZX with rapid feed system only, not shown)...M24×1.5M24×1.5-2.5m.....1