

# JET

**GH-2280ZX**

**380/50/3**

## **Parts List**

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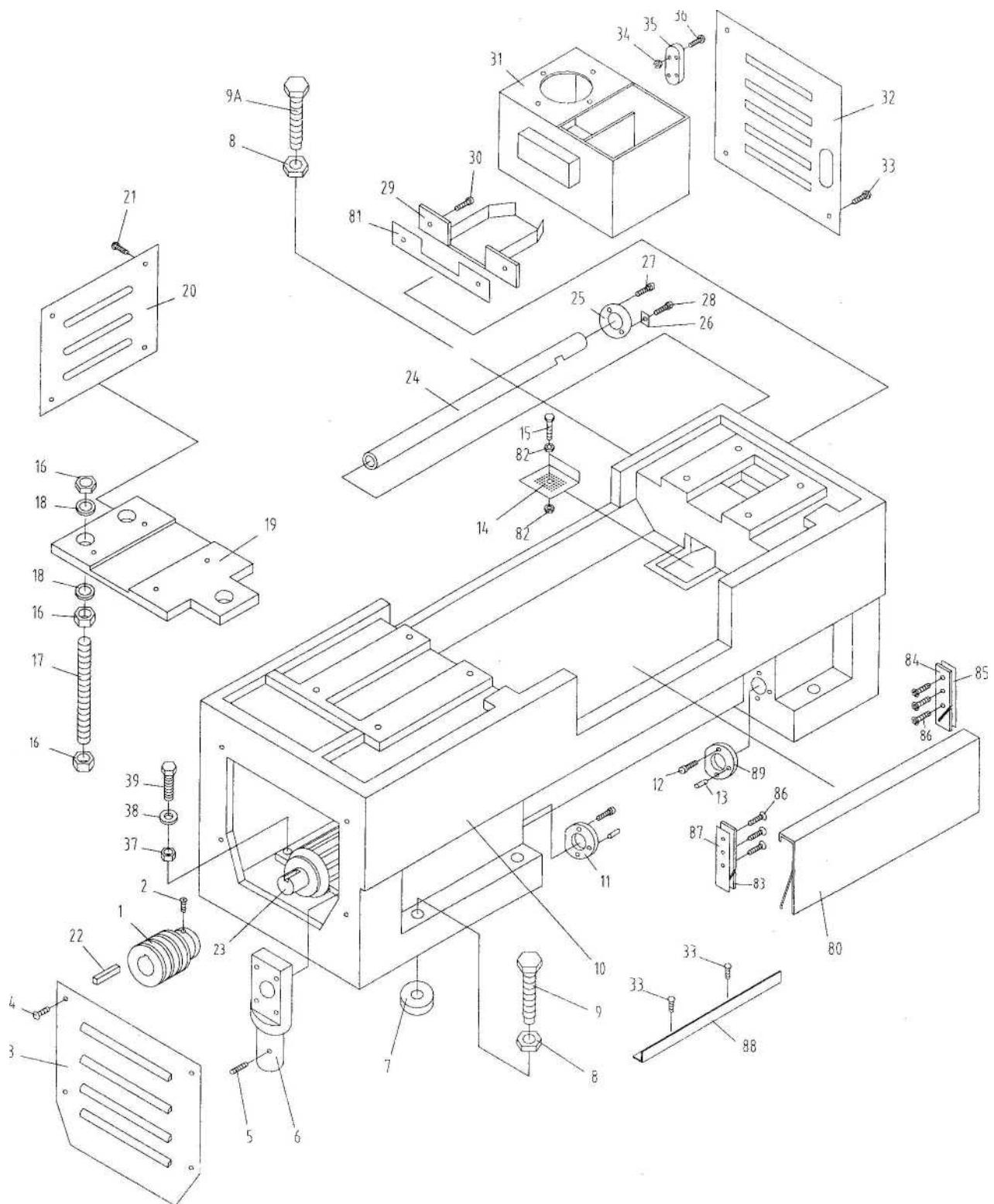
M-321930T, 321950T, 321960T, 321970T,  
321980T, 321990T, 50000772T, 50000775T...06/06



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## Stand Assembly



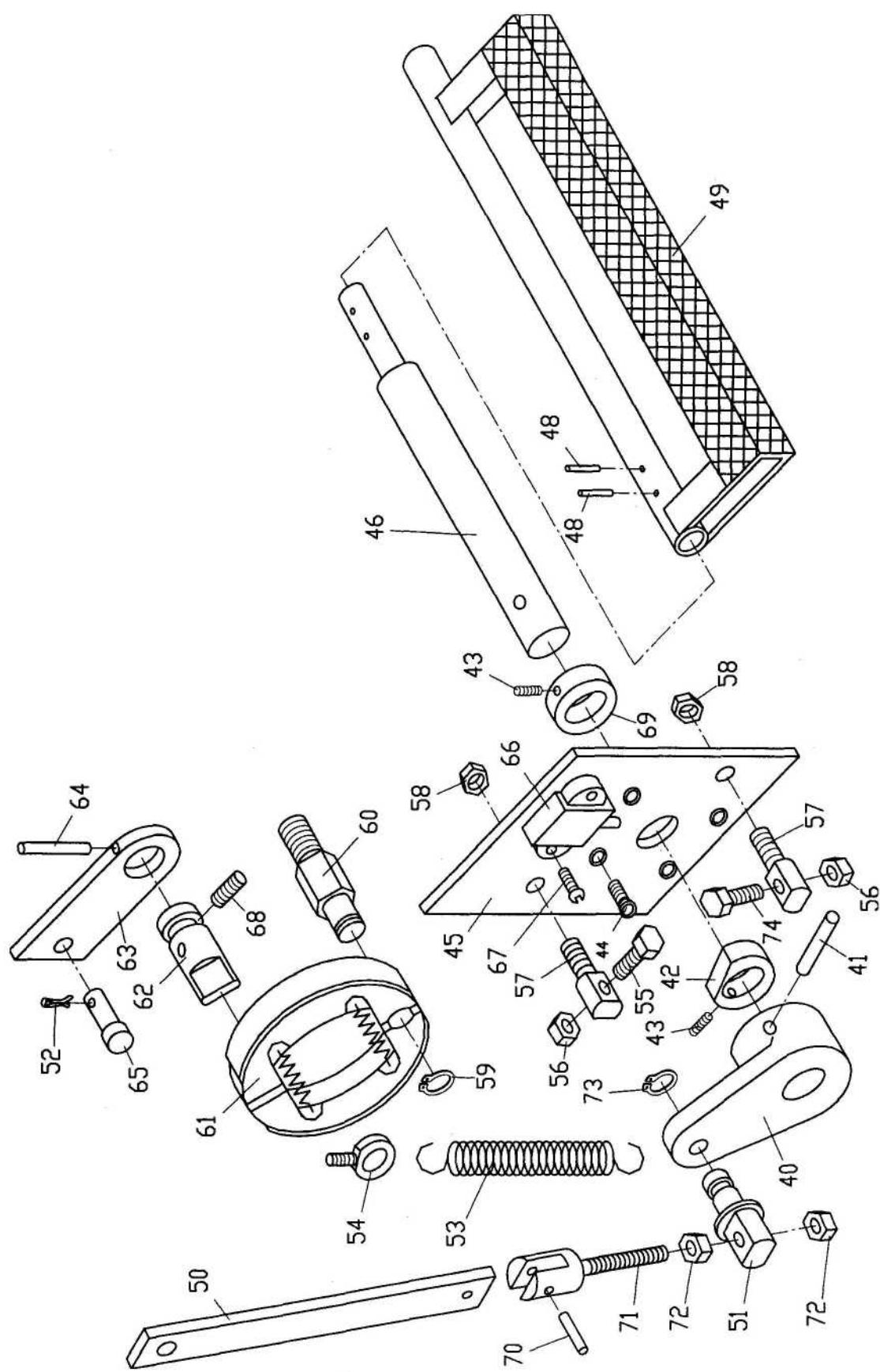
## Stand Assembly

No.	Part No.	Description	Size	Qty.
1	ZX-01101A	Pulley .....		1
	GH2280ZX-01101	Pulley (for 2280ZX) .....		1
2	ZX-S2	Cylindrical End Set Screw .....	M8x16	1
3	ZX-01734	Cover .....		1
	ML-2080-01701	Cover (for 2280ZX) .....		1
4	ZX-S4	Cross Head Screw .....	M6x14	4
5	ZX-S2	Cylindrical End Set Screw .....	M8x16	1
6	ZX-01701	Pedal Rod Support .....		1
	ML-2080-01703	Pedal Rod Support (for 2280ZX) .....		1
7	ZX-01715	Lining .....		6
8	TS-1540231	Hex Nut .....	M24-2	6
9	ZX-01712	Hex Cap Bolt .....		3
9A	ZX-01713	Hex Cap Bolt .....		3
10	ZX-01102A	Bed Stand (for 40" models, serial #010611ZX349 and lower) .....		1
	ZX-01102AN	New Bed Stand (for 40" models, serial # 010618ZX350 and higher) .....		1
	ZX-01102B	Bed Stand (for 60" models, serial # 010611ZX349 and lower) .....		1
	ZX-01102BN	New Bed Stand (for 60" models, serial # 010618ZX350 and higher) .....		1
	ZX-01102C	Bed Stand (for 1880ZX, serial # 010611ZX349 and lower) .....		1
	ZX-01102CN	New Bed Stand (for 1880ZX, serial # 010618ZX350 and higher) .....		1
	GH2280ZX-01102	Bed Stand (for 2280ZX) .....		1
11	ZX-01703	Fixed Support .....		1
12	TS-150341	Socket Head Cap Screw .....	M6x14	4
13	ZX-S13	Taper Pin .....	5x20	2
14	ZX-01705	Water Leaking Chip Guard .....		1
15	ZX-S15A	Cross Head Screw .....	M5x20	4
16	TS-1540121	Hex Nut .....	M20	9
17	ZX-01702	Bolt .....		3
	ML-2080-01704	Bolt (for 2280ZX) .....		3
18	TS-1550111	Flat Washer .....	M20	6
19	ZX-01122A	Motor Mounting Plate (for 14" models) .....		1
	ZX-01122B	Motor Mounting Plate (for 16"/18" models) .....		1
	ML-2080-01122	Motor Mounting Plate (for 22" model)) .....		1
20	ZX-01726	Cover .....		1
	GH2280ZX-01701	Cover .....		1
21	ZX-S4	Cross Head Screw .....	M6x14	4
22	ZX-S22	Key .....	10x8x70	1
23	ZX-S23BC	Main Motor (for 22" model) .....	10 HP, 6P, 3Ph	1
	ZX-S23A	Main Motor (for 14" models) .....	7.5HP, 4P, 3Ph	1
	ZX-S23B	Main Motor (for 16"/18" models) .....	7.5HP, 6P, 3Ph	1
24	ZX-017609A	Wire Conduit (for 1440/1640/1840ZX) .....		1
	ZX-017609B	Wire Conduit (for 1460/1660/1860ZX) .....		1
	ZX-017609C	Wire Conduit (for 1880/2280ZX) .....		1
25	ZX-01708	Wire Conduit Support .....		1
26	ZX-01706	Locking Plate .....		1
27	ZX-S27	Cross Head Screw .....	M5x8	2
28	ZX-S15	Cross Head Screw .....	M4x6	1
29	ZX-01711	Water Reception Plate .....		1
30	ZX-S4	Cross Head Screw .....	M6x14	2
31	ZX-01510	Coolant Tank .....		1
32	ZX-01714	Cover .....		1
	ML-2080-01702	Cover (for 2280ZX) .....		1
33	ZX-S4	Cross Head Screw .....	M6x14	4
34	ZX-S34	Nut .....	M3	4
35	ZX-S35	Coolant Indicator .....		1
36	ZX-S36	Cross Head Screw .....	M3x20	4

## Stand Assembly

No.	Part No.	Description	Size	Qty.
37	TS-1540072	Hex Nut .....	M10 .....	4
38	TS-1550071	Flat Washer.....	M10 .....	4
39	TS-1491041	Hex Cap Bolt .....	M10x30 .....	4
80	ZX-01716A	Stand Front Cover (for 1440/1640/1840ZX) .....	1	
	ZX-01716B	Stand Front Cover (for 1460/1660/1860ZX) .....	1	
	ZX-01716C	Stand Front Cover (for 1880/2280ZX) .....	1	
81	ZX-01501	Gasket.....		1
82	ZX-S82	Hex Nut.....	M5 .....	2
83	ZX-01740	Left Tray.....		1
84	ZX-01741	Right Tray.....		1
85	ZX-01511	Gasket.....		2
86	ZX-S86	Cross Head Screw .....	M5x16 .....	6
87	ZX-01512	Gasket.....		1
88	ZX-05753	Extending Plate.....		1
	JX21004	Terminal Board (not shown) .....		1
	18301	Junction Box (not shown) .....		1
	D97-4	Plastic Fitting (not shown) .....		1
89	ZX-01703A	Fixed Support (serial # 7090341 and higher)		1

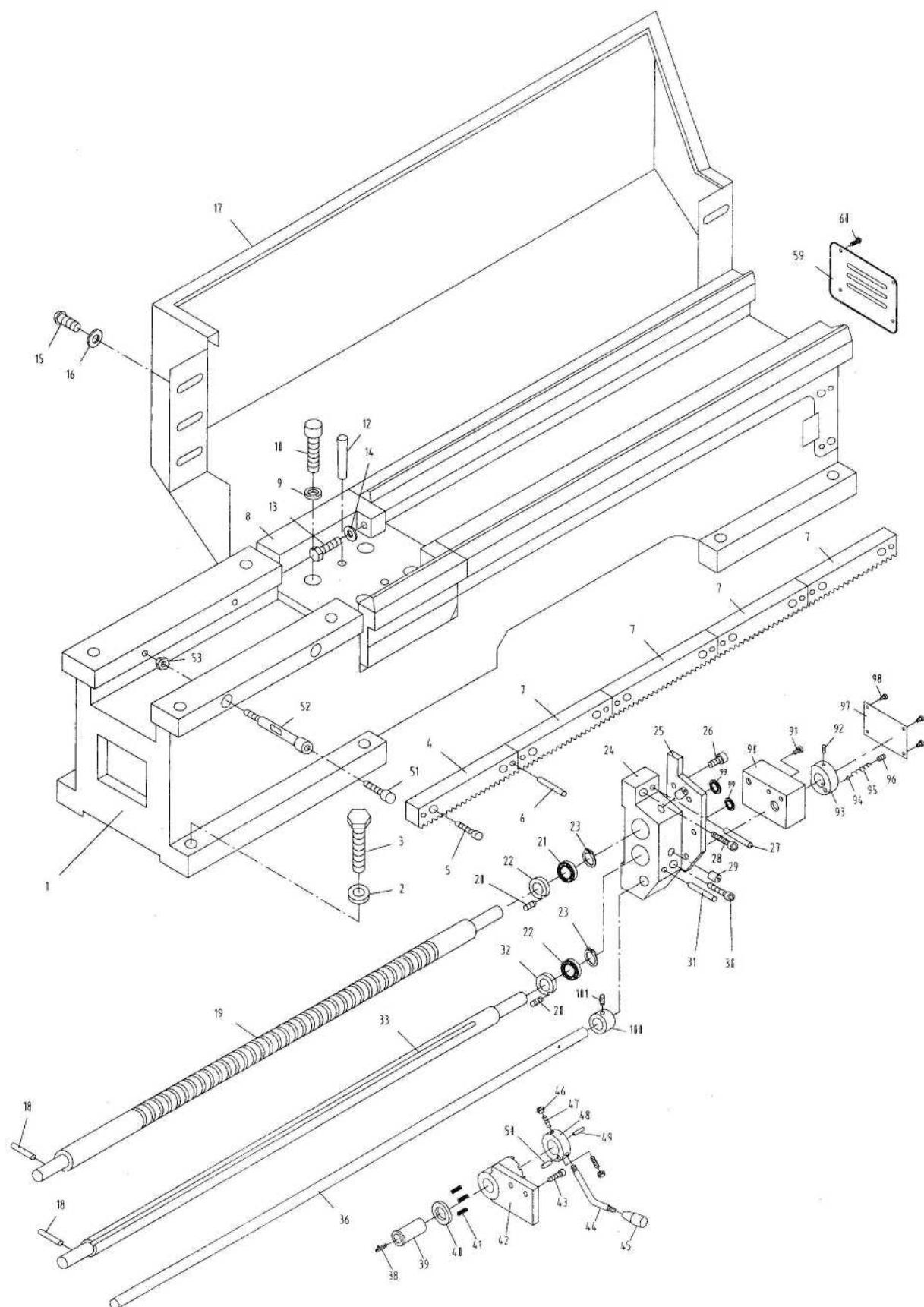
## **Brake Assembly**



## Brake Assembly

No.	Part No.	Description	Size	Qty.
40	ZX-22101	Fork .....		1
41	ZX-S41	Spring Pin .....	5x40	1
42	ZX-22703	Butt Nail Support .....		1
43	TS-1524021	Set Screw .....	M8x10	1
44	ZX-S44	Cross Head Screw .....	M5x20	4
45	ZX-22714	Positioning Plate .....		1
46	ZX-22704A	Driving Shaft-Longer .....		1
48	ZX-S48	Spring Pin .....	5x30	2
49	ZX-22712A	Pedal (for 1440/1640/1840ZX, serial # 7080340 and lower) .....		1
	ZX-22712AE	Pedal (for 1440/1640/1840ZX, serial # 7090341 and higher) .....		1
	ZX-22712B	Pedal (for 1460/1660/1860ZX, serial # 7080340 and lower) .....		1
	ZX-22712BE	Pedal (for 1460/1660/1860ZX, serial # 7090341 and higher) .....		1
	ZX-22712C	Pedal (for 1880/2280ZX, serial # 7080340 and lower) .....		1
	ZX-22712CE	Pedal (for 1880/2280ZX, serial # 7090341 and higher) .....		1
50	ZX-22710A	Draw Bar (for 14" models) .....		1
	ZX-22710B	Draw Bar (for 16" models) .....		1
	ZX-22710C	Draw Bar (for 18" models) .....		1
51	ZX-22706	Connecting Shaft .....		1
52	ZX-S52	Split Pin .....	2x20	2
53	ZX-S53	Tensile Spring .....	3.5x26x190	1
54	ZX-S54	Eyebolt .....	M8	1
55	TS-1490091	Hex Cap Bolt .....	M8x50	1
56	TS-1540061	Hex Nut .....	M8	1
57	ZX-22707A	Butt Rod Support .....		1
58	TS-1540072	Hex Nut .....	M10	1
59	ZX-S59	C-Clip .....	8	1
60	ZX-22701	Positioning Shaft .....		1
61	ZX-S61	Brake Shoe .....		1
62	ZX-22702	Brake Shaft .....		1
63	ZX-22708	Connecting Plate .....		1
64	ZX-S64	Elastic Pin .....	5x25	1
65	ZX-22709	Connecting Shaft .....		1
66	ZX-S66	Stroke Switch .....		1
67	ZX-S67	Screw .....	M4x25	2
68	ZX-S68	Cylindrical End Set Screw .....	M5x10	1
69	ZX-22711	Butt Nail Support .....		1
70	ZX-S70	Pin .....	5n6x20	1
71	ZX-22715	Adjust Bolt .....		1
72	TS-1540061	Hex Nut .....	M8	1
73	ZX-S73	C-Clip .....	12	2
74	ZX-S74	Hex Cap Bolt .....	M8x35	1
75	ZX-S75	Taper Pin .....	5x20	2

## Bed Assembly



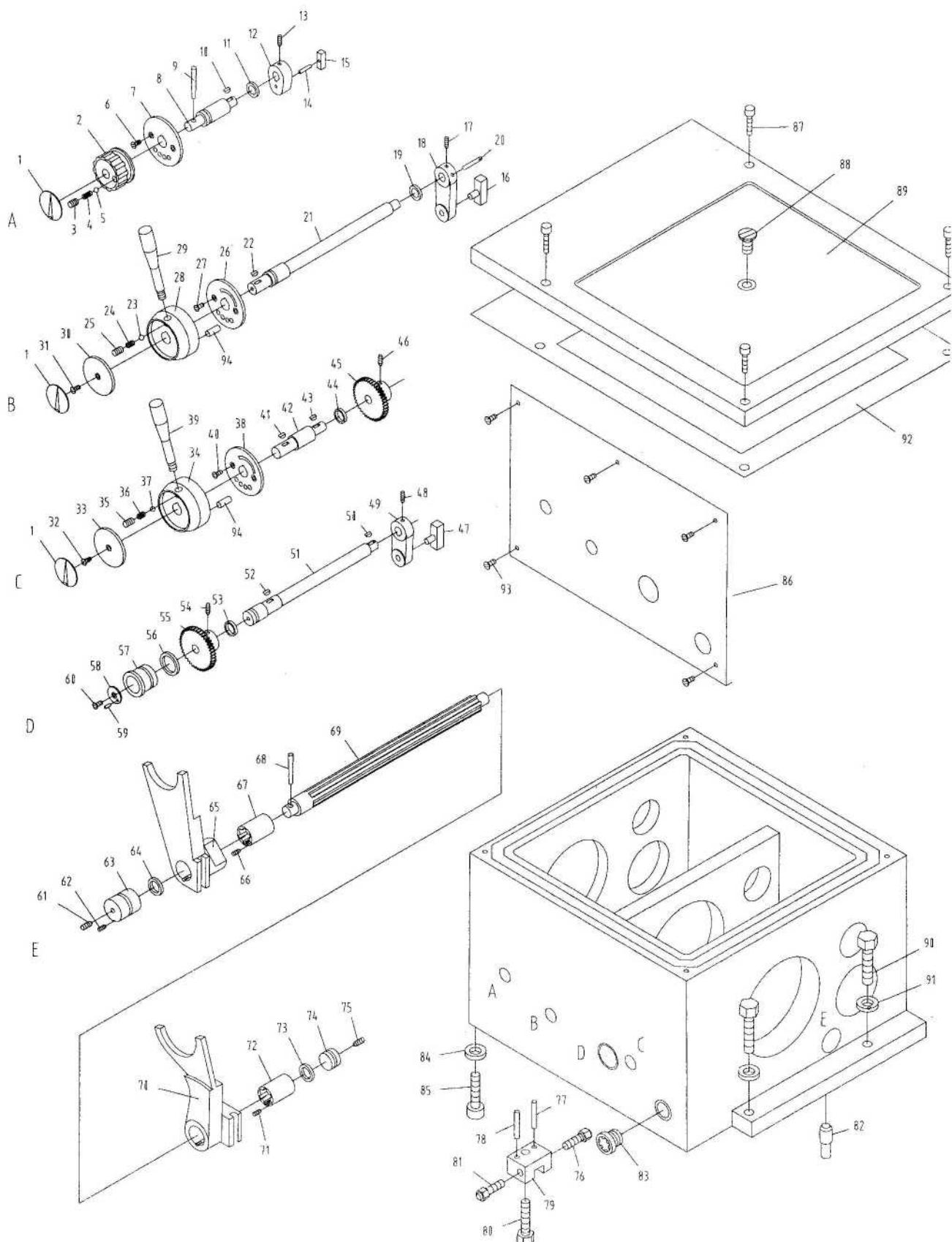
## Bed Assembly

No.	Part No.	Description	Size	Qty.
1	ZX-01104A	Bed (for 1440/1640/1840ZX)		1
	ZX-01104B	Bed (for 1460/1660/1860ZX)		1
	ZX-01104C	Bed(for1880/2280ZX)		1
2	TS-1550101	Flat Washer	M16	8
3	ZX-B3	Hex Cap Bolt	M16x50	8
4	ZX-01706	Rack		1
5	TS-1505051	Hex Socket Cap Screw (for 1440/1640/1840ZX) M 10x35		10
		Hex Socket Cap Screw (for 1460/1660/1860ZX) M 10x35		14
		Hex Socket Cap Screw (for 1880/2280ZX) ... M10x35		18
6	ZX-B6	Taper Pin (for 1440/1640/1840ZX)	8x50	10
		Taper Pin (for 1460/1660/1860ZX)	8x50	14
		Taper Pin (for 1880/2280ZX)	8x50	18
7	ZX-01706A	Rack (for 1440/1640/1840ZX)		4
		Rack (for 1460/1660/1860ZX)		6
		Rack (for 1880/2280ZX)		8
8	ZX-01112	Saddle		1
9	TS-1551081	Lock Washer	M12	4
10	TS-1506091	Hex Socket Cap Screw	M12x55	4
12	ZX-B12	Thread Taper Pin	12x70	2
13	TS-1491101	Hex Cap Bolt	M10x55	2
14	TS-1550071	Washer	M10	2
15	TS-1503021	Hex Socket Cap Screw	M6x10	6
16	TS-1550041	Washer	M6	6
17	ZX-01741A	Splash Guard (for 1440ZX)		1
	ZX-01741B	Splash Guard (for 1460ZX)		1
	ZX-01741C	Splash Guard (for 1640ZX)		1
	ZX-01741D	Splash Guard (for 1660ZX)		1
	ZX-01741E	Splash Guard (for 1840ZX)		1
	ZX-01741F	Splash Guard (for 1860ZX)		1
	ZX-01741G	Splash Guard (for 1880ZX)		1
	GH2280ZX-12701	Splash Guard (for 2280ZX)		1
18	ZX-B18	Shear Pin	5x35	2
19	ZX-01708A	Lead Screw (for 40" models, serial #010611ZX349 and lower)		1
	ZX-01708AN	New Lead Screw (for 40" models, serial # 010618ZX350 and higher)		1
	ZX-01708B	Lead Screw (for 60" models, serial #010611ZX349 and lower)		1
	ZX-01708BN	New Lead Screw (for 60" models, serial # 010618ZX350 and higher)		1
	ZX-01708C	Lead Screw (for 80" models, serial #010611ZX349 and lower)		1
	ZX-01708CN	New Lead Screw (for 80" models, serial #010618ZX350 and higher)		1
20	ZX-B20	Flat End Set Screw	M6x10	2
21	ZX-01109	Sleeve (serial # 010611ZX349 and lower)		1
	ZX-01109N	New Sleeve (serial # 010618ZX350 and higher)		1
22	ZX-1204	Double Row Spherical Ball Bearing	20x47x14	2
23	ZX-B23	C-Clip	20	2
24	ZX-01110	Bracket (serial # 010611ZX349 and lower)		1
	ZX-01110N	New Bracket (serial #010618ZX350 and higher)		1
25	ZX-01111	Cover		1
26	TS-1503041	Hex Socket Cap Screw	M6x16	4
27	ZX-B27	Taper Pin	6x60	1
28	TS-1505081	Socket Cap Screw	M10x50	1
29	ZX-B29	Oil Cup	10	2
30	TS-223991	Hex Socket Cap Screw	M10x100	1
31	ZX-B31	Taper Pin	6x100	1

## Bed Assembly

No.	Part No.	Description	Size	Qty.
32	ZX-01108	Sleeve (serial # 010611ZX349 and lower)		1
	ZX-01108N	New Sleeve (serial # 010618ZX350 and higher)		1
33	ZX-01709A	Feed Rod (for 40" models, serial # 010611ZX349 and lower)		1
	ZX-01709AN	New Feed Rod (for 40" models, serial #010618ZX350 and higher)		1
	ZX-01709B	Feed Rod (for 60" models, serial # 010611ZX349 and lower)		1
	ZX-01709BN	New Feed Rod (for 60" models, serial # 010618ZX350 and higher)		1
	ZX-01709C	Feed Rod (for 80" models, serial # 010611ZX349 and lower)		1
	ZX-01709CN	New Feed Rod (for 80" models, serial # 010618ZX350 and higher)		1
34	ZX-B34	Taper Pin	5x30	1
35	ZX-01107	Poking Block		1
36	ZX-01707A	Control Rod (for 1440/1640/1840ZX)		1
	ZX-01707B	Control Rod (for 1460/1660/1860ZX)		1
	ZX-01707C	Control Rod (for 1880/2280ZX)		1
37	TS-1540031	Nut	M5	1
38	ZX-06720	Small Shaft		2
39	ZX-06001C-3	Sleeve		1
40	ZX-06001C-2	Spacer		1
41	ZX-B41	Spring	1x75x25	3
42	ZX-06001C-1	Bracket		1
43	TS-1504031	Hex Socket Cap Screw	M8x16	2
44	ZX-B44	Lever		1
45	ZX-06001C-4	Long Lever Sleeve		1
46	ZX-B46	Hex Nut	M8	2
47	ZX-B47	Set Screw	M8x28	2
48	ZX-06001C-5	Direction Change Ring		1
49	ZX-B49	Pin	8n6x20	1
50	ZX-B50	Taper Pin	3x20	1
51	TS-1505081	Socket Cap Screw	M10x50	2
52	ZX-05741	Threaded Tube		2
53	TS-1540081	Hex Nut	M12	2
54	ZX-B54	Drum Switch		1
55	ZX-S27	Cross Head Screw	M5x8	5
56	ZX-01718	Rocker		1
57	ZX-B57	Pin	3x16	1
58	ZX-01716	Bracket		1
59	ZX-01715C	Cover		1
60	ZX-B60	Cross Recessed Pan Head Screw	M6x18	4
61	TS-1482031	Hex Cap Bolt	M6x16	2
62	ZX-B62	Pin	2x15	2
63	ZX-01719	Rocker		1
90	C0632A-01301E	Switch Box		1
91	ZX-B91E	Hex Socket Cap Screw	M8x20	4
92	ZX-B92E	Screw	M6x16	1
93	C0632A-01705E	Bushing		1
94	ZX-B94E	Steel Ball	6	1
95	ZX-B95E	Spring		1
96	ZX-B96E	Screw	M8x16	1
97	C0632A-01504E	Switch Box Cover		1
98	ZX-B98E	Hex Socket Cap Screw	M5x10	4
99	C0632A-01503E	Plug		2
100	ZX-01706E	Positioning Sleeve		1
101	ZX-B101E	Screw	M5x8	1

## Headstock Assembly I



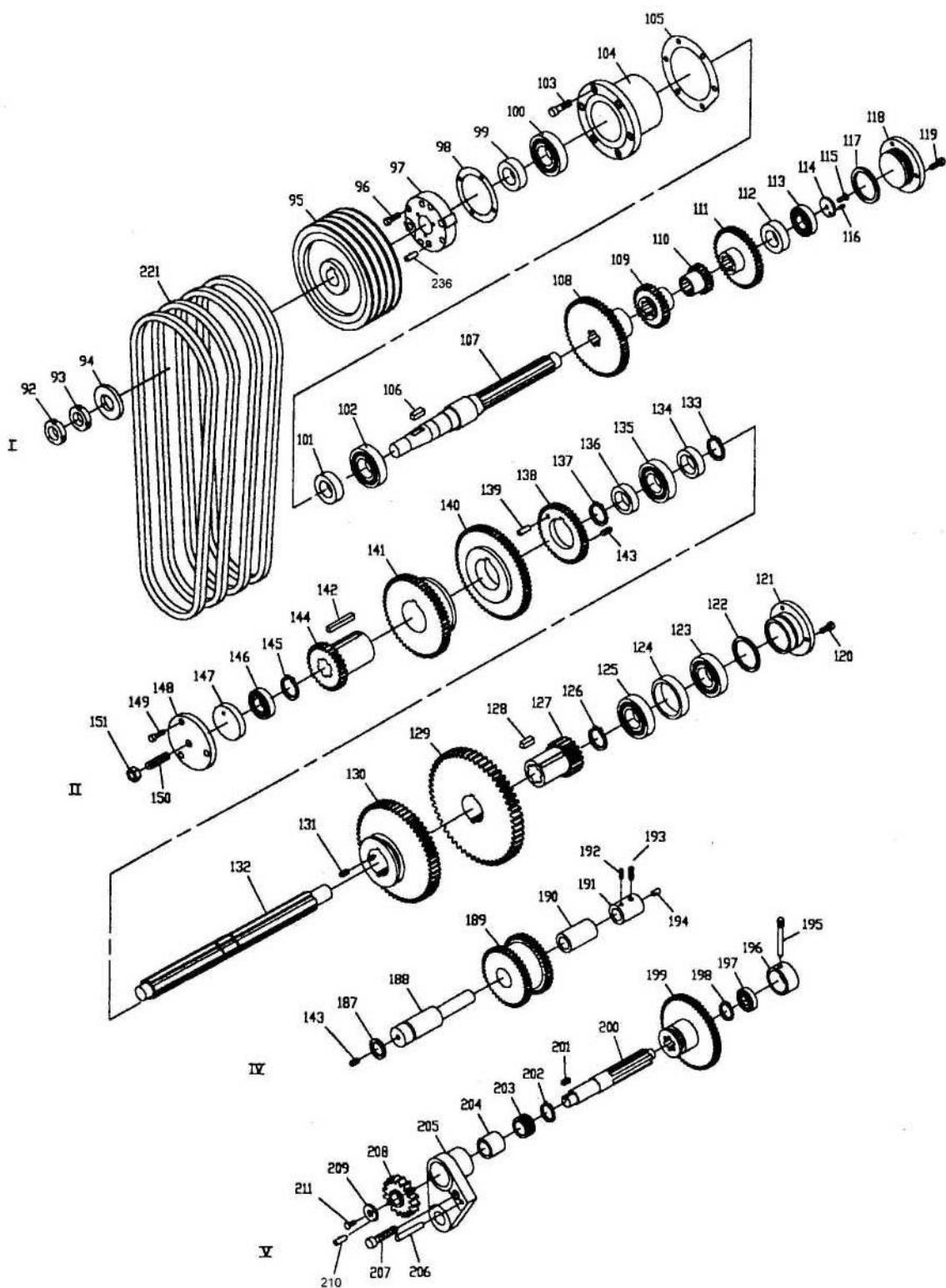
## Headstock Assembly I

No.	Part No.	Description	Size	Qty.
1	ZX-02306	Round Sign Plate.....		3
2	ZX-02122	Positioning Handle.....		1
3	ZX-H3	Flat End Set Screw .....	M10x12 .....	1
4	ZX-H4	Spring .....	YI-1x8x25 .....	1
5	ZX-H5	Steel Ball .....	8 .....	1
6	ZX-H6	Countersunk Head Screw .....	M5x12 .....	2
7	ZX-02743	Positioning Disc .....		1
8	ZX-02738	Shaft.....		1
9	ZX-H9	Taper Pin .....	5x55 .....	1
10	ZX-H10	Woodruff Key .....	4x16 .....	1
11	ZX-H11	Ring Seal .....	25x2.4 .....	1
12	ZX-02116	Crank .....		1
13	TS-1523051	Set Screw .....	M6x16 .....	1
14	ZX-H14	Pin .....	5n6x28 .....	1
15	ZX-02302	Poking Block.....		1
16	ZX-02738C	Pin Block.....		1
17	TS-1523051	Set Screw .....	M6x16 .....	1
18	ZX-02114	Crank .....		1
19	ZX-H11	Ring Seal .....	25x2.4 .....	1
20	ZX-H20	Pin .....	5x30 .....	1
21	ZX-02734	Shaft.....		1
22	ZX-H10	Woodruff Key .....	4x16 .....	1
23	ZX-H5	Steel Ball .....	8 .....	1
24	ZX-H4	Spring .....	YI-1x8x25 .....	1
25	ZX-H3	Flat End Set Screw .....	M10x12 .....	1
26	ZX-02733	Left Positioning Disc .....		1
27	ZX-H6	Countersunk Head Screw .....	M5x12 .....	2
28	ZX-02113	Left Lever Support .....		1
29	ZX-02741	Handle.....		1
30	ZX-02732	Cover .....		1
31	ZX-H6	Countersunk Head Screw .....	M5x12 .....	1
32	ZX-H6	Countersunk Head Screw .....	M5x12 .....	1
33	ZX-02732	Cover..		1
34	ZX-02119	Right Lever Support .....		1
35	ZX-H3	Flat End Set Screw .....	M10x12 .....	1
36	ZX-H4	Spring .....	YI-1x8x25 .....	1
37	ZX-H5	Steel Ball .....	8 .....	1
38	ZX-02728	Right Positioning Disc .....		1
39	ZX-02741	Handle.....		1
40	ZX-H6	Countersunk Head Screw .....	M5x12 .....	2
41	ZX-H10	Woodruff Key .....	4x16 .....	1
42	ZX-02727	Shaft.....		1
43	ZX-H10	Half Circle Key .....	4x16 .....	1
44	ZX-H11	Ring Seal .....	25x2.4 .....	1
45	ZX-02730	Gear .....	1.5m36T .....	1
46	TS-1523051	Set Screw .....	M6x16 .....	1
47	ZX-02738C	Pin Block.....		1
48	TS-1523051	Set Screw .....	M6x16 .....	1
49	ZX-02111	Crank .....		1
50	ZX-H10	Woodruff Key .....	4x16 .....	1
51	ZX-02731/1	Control Shaft.....		1
52	ZX-H10	Woodruff Key .....	4x16 .....	1
53	ZX-H11	Ring Seal .....	25x2.4 .....	1
54	ZX-H54	Taper End Set Screw .....	M6x16 .....	1
55	ZX-02732/2	Gear .....	1.5m36T .....	1
56	ZX-H56	Ring Seal .....	40x3.1 .....	1

## Headstock Assembly I

No.	Part No.	Description	Size	Qty.
57	ZX-02110	Bushing		1
58	ZX-02729	Cover		1
59	ZX-H59	Pin	3n6x10	1
60	ZX-H6	Countersunk Head Screw	M5x12	1
61	ZX-H61	Countersunk Head Screw	M8x12	1
62	ZX-H62	Flat End Set Screw	M8x12	1
63	ZX-02115	Bearing Support		1
64	ZX-H64	Ring Seal	40x3.1	1
65	ZX-02115	Left Fork		1
66	ZX-H66	Flat End Set Screw	M6x10	1
67	ZX-02120A/2	Bushing		1
68	ZX-H68	Taper Pin	6x35	1
69	ZX-02736	Control Shaft		1
70	ZX-02112	Right Fork		1
71	ZX-H66	Flat End Set Screw	M6x10	1
72	ZX-02120A/2	Bushing		1
73	ZX-H73	Ring Seal	30x3.1	1
74	ZX-02735	Blocking Piece		1
75	ZX-H61	Countersunk Head Screw	M8x12	1
76	ZX-02744	Adjusting Screw		1
77	ZX-H77	Taper Pin	8x40	1
78	ZX-H77	Taper Pin	8x40	1
79	ZX-92124	Adjusting Block		1
80	ZX-H80	Hex Cap Bolt	M12x50	1
81	ZX-02744	Adjusting Screw		1
82	ZX-02736C	Positioning Pin		1
83	ZX-H83	Oil Sight Glass		1
84	ZX-H84	Washer	A16	2
85	ZX-H85	Hex Socket Cap Screw	M16x50	2
86	ZX-02301A	Label (for 1440ZX)		1
	ZX-02301B	Label (for 1460ZX)		1
	ZX-02301C	Label (for 1640ZX)		1
	ZX-02301D	Label (for 1660ZX)		1
	ZX-02301E	Label (for 1840ZX)		1
	ZX-02301F	Label (for 1860ZX)		1
	ZX-02301G	Label (for 1880ZX)		1
		GH2280ZX-02301m	Label (for 2280ZX)	1
87	TS-1504071	Hex Socket Cap Screw	M8x35	4
88	ZX-H88	Countersunk Head Screw	M16x25	1
89	ZX-02117	Top Cover		1
90	ZX-H90	Hex Cap Bolt		2
91	ZX-H91	Washer	A16	2
92	ZX-02505	Paper Gasket		1
93	TS-1531012	Slotted Pan Head Screw	M3x6	7
94	ZX-H94N	Pin	4n6x15	2

## Headstock Assembly II



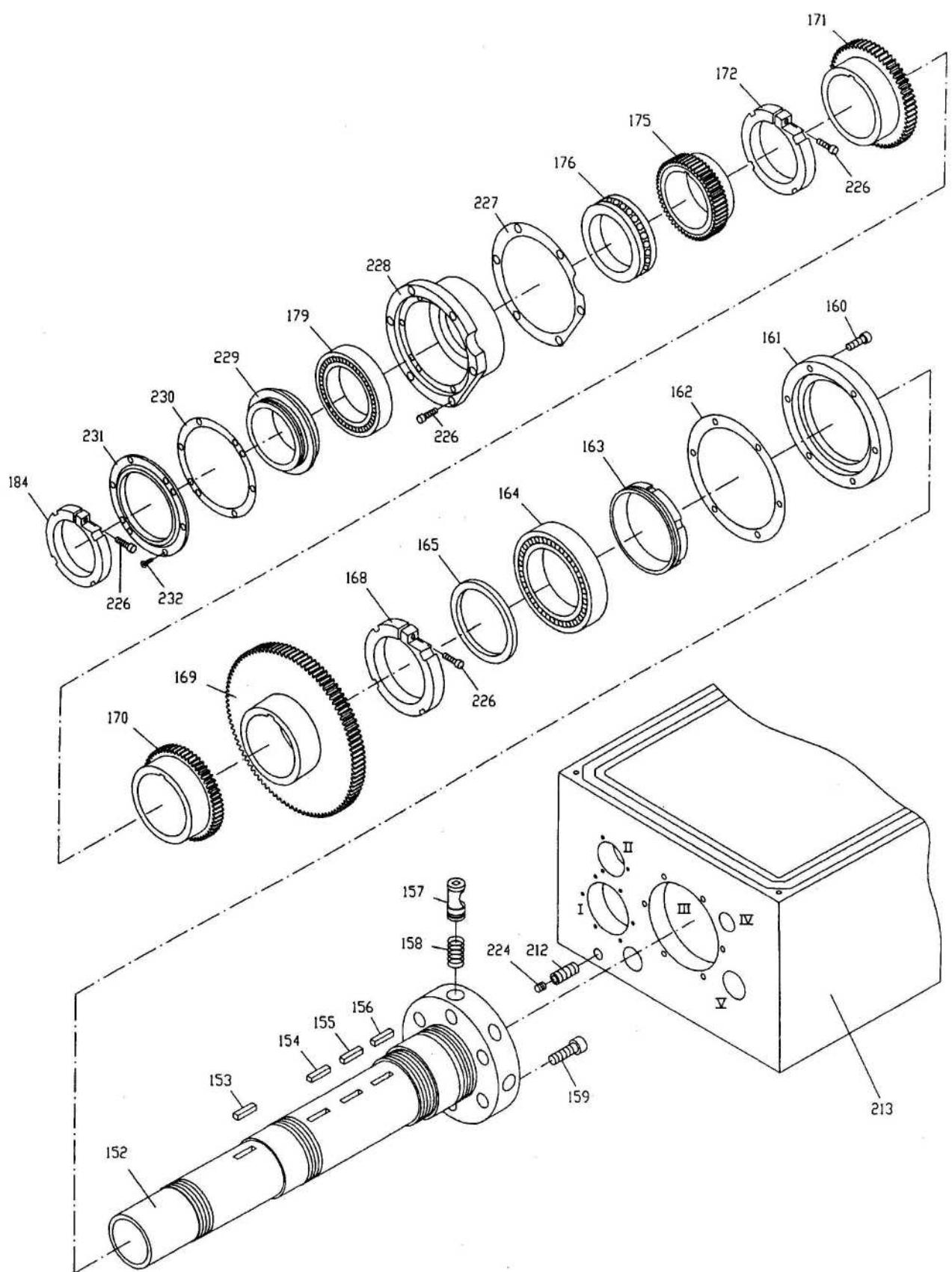
## Headstock Assembly II

No.	Part No.	Description	Size	Qty.
95	ZX-02107	Pulley .....		1
96	TS-1503061	Socket Cap Screw .....	M6x25 .....	4
97	ZX-02106	Bearing Cover .....		1
98	ZX-02506	Gasket .....		1
99	ZX-H99	Ring Seal .....	32x52 .....	1
100	BB-6207/P5	Ball Bearing .....	35x72x17 .....	1
101	ZX-H102	Sleeve .....	30x10 .....	1
102	BB-6207/P5	Ball Bearing .....	35x72x17 .....	1
103	TS-1504051	Socket Cap Screw .....	M8x25 .....	6
104	ZX-02105	Bearing Support .....		1
105	ZX-02502	Gasket .....		1
106	ZX-H106	Flat Key .....	10x8x35 .....	1
107	ZX-02709	Shaft .....		1
108	ZX-02754X	Gear (for 14" models) .....	2.5m52T .....	1
	ZX-02754X/6P	Gear (for 16"/18"/22" models) .....	2.5m61T .....	1
109	ZX-02753X	Gear (for 14" models) .....	2.5m28T .....	1
	ZX-02753X/6P	Gear (for 16718722" models) .....	2.5m32T .....	1
110	ZX-02752X	Gear .....	2.5m18T .....	1
111	ZX-02751X	Gear (for 14" models) .....	2.5m41T .....	1
	ZX-02751X/6P	Gear (for 16"/18"/22" models) .....	2.5m47T .....	1
112	ZX-H112	Sleeve .....		1
113	BB6305/P5	Ball Bearing .....	25x62x17 .....	1
114	ZX-H114	Shaft End Lock Ring .....	32 .....	1
115	ZX-H115	Countersunk Head Screw .....	M6x20 .....	1
116	ZX-H59	Pin .....	3n6x10 .....	1
117	ZX-H117	Ring Seal .....	60x3.1 .....	1
118	ZX-02104	Blocking Flange .....		1
119	TS-1503041	Socket Cap Screw .....	M6x15 .....	3
120	TS-1503041	Socket Cap Screw .....	M6x15 .....	3
121	ZX-02103	Blocking Flange .....		1
122	ZX-H117	Ring Seal .....	60x3.1 .....	1
123	BB-6305/P5	Ball Bearing .....	25x62x17 .....	1
124	ZX-H124	Sleeve .....	62x6 .....	1
125	BB-6305/P5	Ball Bearing .....	25x62x17 .....	1
126	ZX-H126	Circle Clip For Shaft .....	35 .....	1
127	ZX-02705	Gear .....	3m19T .....	1
128	ZX-H128	Flat Key .....	8x7x50 .....	2
129	ZX-02706	Gear .....	3m67T .....	1
130	ZX-02707	Gear .....	3m59T .....	1
131	ZX-H62	Flat End Set Screw .....	M8x12 .....	1
132	ZX-02708	Shaft .....		1
133	ZX-H133	C-Clip .....	35 .....	1
134	ZX-H134	Sleeve .....	35x8 .....	1
135	BB-6007/P5	Ball Bearing .....	35x62x14 .....	1
136	ZX-H134	Sleeve .....	35x8 .....	1
137	ZX-H133	C-Clip .....	35 .....	1
138	ZX-02756	Gear (for 14" models) .....	2.5m42T .....	1
	ZX-02756/6P	Gear (for 16"/18"/22" models) .....	2.5m36T .....	1
139	ZX-H139	Pin .....	8n6x25 .....	1
140	ZX-02757	Gear (for 14" models) .....	2.5m65T .....	1
	ZX-02757/6P	Gear (for 16718722" models) .....	2.5m65T .....	1
141	ZX-02758	Gear (for 14" models) .....	2.5m55T .....	1
	ZX-02758/6P	Gear (for 16"/18"/22" models) .....	2.5m51T .....	1
142	ZX-H142	Flat Key .....	10x6x60 .....	2

## Headstock Assembly II

No.	Part No.	Description	Size	Qty.
143	ZX-H143	Flat Head Set Screw .....	M8x12 .....	2
144	ZX-02755X	Gear (for 14" models) .....	2.5m31T .....	1
	ZX-02755X/6P	Gear (for 1618722" models) .....	2.5m22T .....	1
145	ZX-H133	C-Clip .....	35 .....	1
146	BB-6305	Ball Bearing .....	25x62x17 .....	1
147	ZX-H147	Pushing Disc .....	62 .....	1
148	ZX-02109C	Cover .....	.....	1
149	TS-1503041	Socket Cap Screw .....	M6x15 .....	3
150	ZX-H150	Set Screw .....	M12x65 .....	1
151	ZX-H151	Hex Nut .....	M12 .....	1
187	ZX-H187	Ring Seal .....	35x3.1 .....	1
188	ZX-02714	Shaft .....	.....	1
189	ZX-02716	Double Gear .....	2m48T .....	1
190	ZX-02303	Copper Sleeve .....	.....	1
191	ZX-02734C	Positioning Sleeve .....	.....	1
192	TS-1523031	Set Screw .....	M6x10 .....	1
193	TS-1524041	Set Screw .....	M8x15 .....	1
194	ZX-02733C	Blocking Piece .....	.....	1
195	ZX-02718	Taper End Set Screw .....	.....	1
196	ZX-02114C	Sleeve .....	.....	1
197	BB-6203	Ball Bearing .....	17x40x12 .....	1
198	ZX-H198	C-Clip .....	28 .....	1
199	ZX-02717	Gear .....	2m65T .....	1
200	ZX-02715	Shaft .....	.....	1
201	ZX-H201	Flat Key .....	5x5x1 .....	1
202	ZX-H198	C-Clip .....	28 .....	1
203	ZX-02722C	Sleeve .....	.....	1
204	ZX-02301	Oil Bushing .....	.....	1
205	ZX-08106A	Bracket (for Shaft V, Vb) (for 14"16" models) .....	.....	1
	ZX-08106B	Bracket (for Shaft V, Vb) (for 18" models) .....	.....	1
	GH2280ZX-08106	Bracket (for Shaft V, Vb, Vc) (for 22" model) .....	.....	1
206	ZX-H77	Taper Pin .....	8x40 .....	1
207	TS-1505031	Hex Socket Cap Screw .....	M10x25 .....	1
208	TNMP-08706A(N)	Gear (for 1416722" models) .....	3.5m15T .....	1
	TNMP-08706B(N)	Gear (for 18" models) .....	4m15T .....	1
209	ZX-02724C	Washer .....	.....	1
210	ZX-H59	Pin .....	3n6x10 .....	1
211	ZX-H211	Countersunk Head Screw .....	M5x16 .....	1
221	VB-A1931	V-Belt (for 14" models) .....	A-1931 .....	4
	VB-A1956	V-Belt (for 16" models) .....	A-1956 .....	4
	VB-A1981	V-Belt (for 18" models) .....	A-1981 .....	4
	VB-A2159	V-Belt (for 22" model) .....	A-2159 .....	4
233	ZX-02506	Paper Gasket .....	.....	2
234	ZX-H234	Set Screw .....	M8x6 .....	2
235	ZX-02743N	Clamping Round Nut .....	.....	1
236	ZX-H236	Pin .....	8X30 .....	2

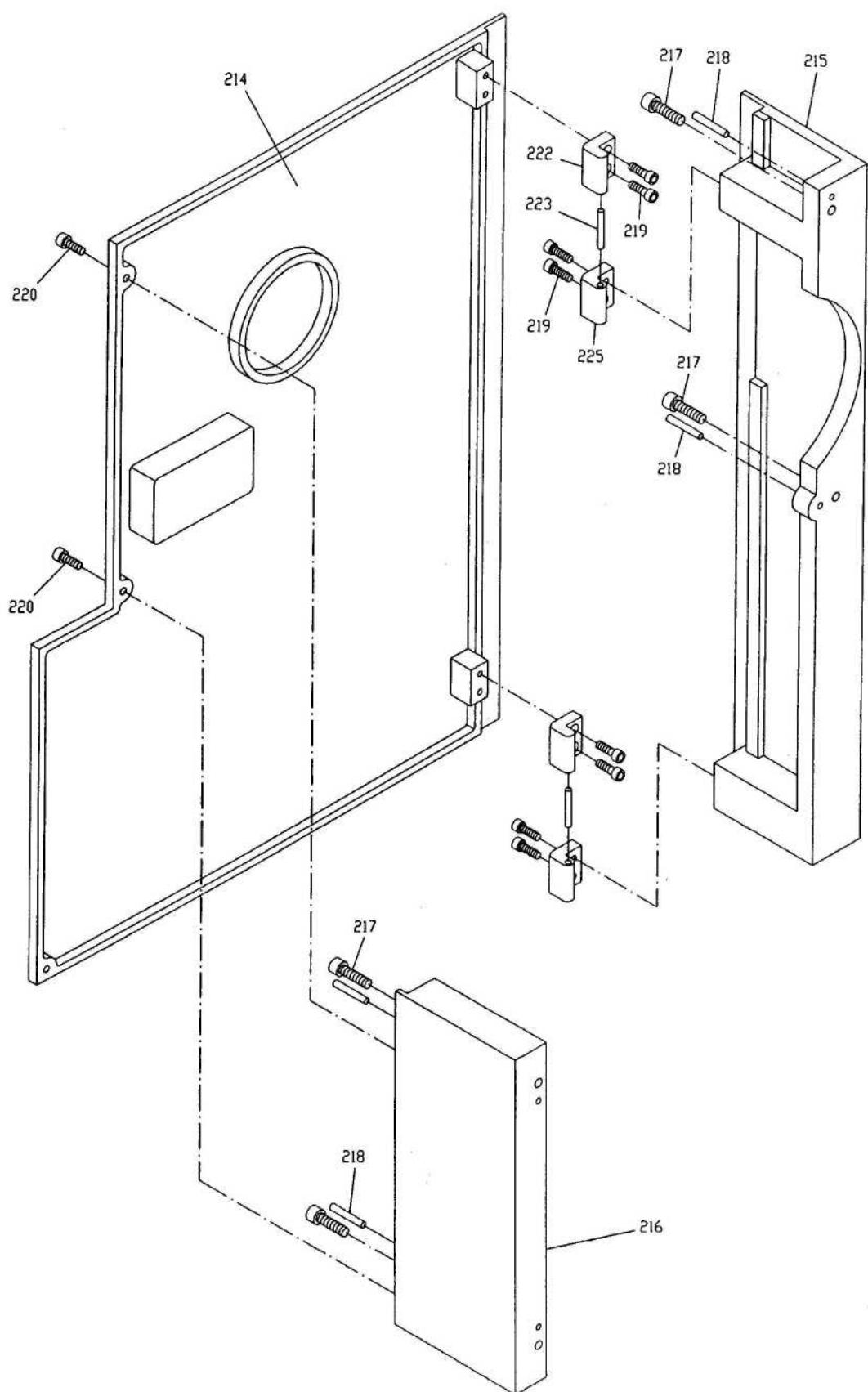
## Headstock Assembly III



## Headstock Assembly III

No.	Part No.	Description	Size	Qty.
152	ZX-02704	Spindle		1
153	ZX-H153	Flat Key	10x8x40	1
154	ZX-H154	Flat Key	10x8x50	1
155	ZX-H155	Flat Key	12x8x50	1
156	ZX-H156	Flat Key	14x9x50	1
157	ZX-02701	Cam Lock		6
158	ZX-H158	Spring	1x8x25	6
159	ZX-02703	Cam Positioning Screw		6
160	TS-1505041	Hex Socket Cap Screw	M10x28	6
161	ZX-02102	Bearing Front Cover		1
162	ZX-02501	Gasket		1
163	ZX-02702	Oil Splashing Ring		1
164	NN3024/P5	Taper Roller Bearing	120x180x46	1
165	ZX-02726	Lining		1
168	ZX-02725A	Round Nut w/Screw		1
169	ZX-02723	Gear	3m98T	1
170	ZX-02722	Gear	3m50T	1
171	ZX-02721	Gear	3m58T	1
172	ZX-02720A	Round Nut w/Screw		1
175	ZX-02710	Gear	2m65T	1
176	51120/P5	Thrust Bearing	100x135x25	1
179	BB-7020AC/P5	Angular Bearing	100x150x24	1
184	ZX-02713A	Round Nut w/Screw		1
212	ZX-H212	Drain Plug (14" models, serial # 001204ZX258 and lower)		1
	ZX-H212	Drain Plug (16" models, serial #010312ZX293 and lower, also includes serial # 010319ZX298 and 299)		1
	ZX-H212	Drain Plug (18" models, serial #010416ZX313 and lower)		1
	ZX-H212A	Drain Plug (14" models, serial # 010105ZX263 and higher)		1
	ZX-H212A	Drain Plug (16" models, serial #010319ZX294 and higher, except for serial # 010319ZX298 and 299)		1
	ZX-H212A	Drain Plug (18" models, serial # 010514ZX323 and higher)		1
	ZX-H212A	Drain Plug (22" model)		1
213	ZX-02101A	Headstock Casting (14" models, serial # 001204ZX258 and lower)	.. 1	
	ZX-02101AN	Headstock Casting (14" models, serial # 010105ZX263 and higher)	. 1	
	ZX-01201B	Headstock Casting (16" models, serial # 010312ZX293 and lower, also includes serial # 110319ZX298 and 299)		1
	ZX-02101BN	Headstock Casting (16" models, serial #010319ZX294 and higher, except for serial # 010319ZX298 and 299)		1
	ZX-02101C	Headstock Casting (18" models, serial # 010416ZX313 and lower)	.. 1	
	ZX-02101CN	Headstock Casting (18" models, serial # 010514ZX323 and higher)	. 1	
	GH2280ZX-02101	Headstock Casting (22" model)		1
224	ZX-G38-3A	Screw		1
226	ZX-H226	Hex Socket Cap Screw	M8x28	9
227	ZX-02502F	Gasket		1
228	ZX-02108F	Bearing Support		1
229	ZX-02711F	Sleeve		1
230	ZX-02510F	Gasket		1
231	ZX-02761F	Bearing Back Cover		1
232	ZX-H232	Screw	M5x10	6

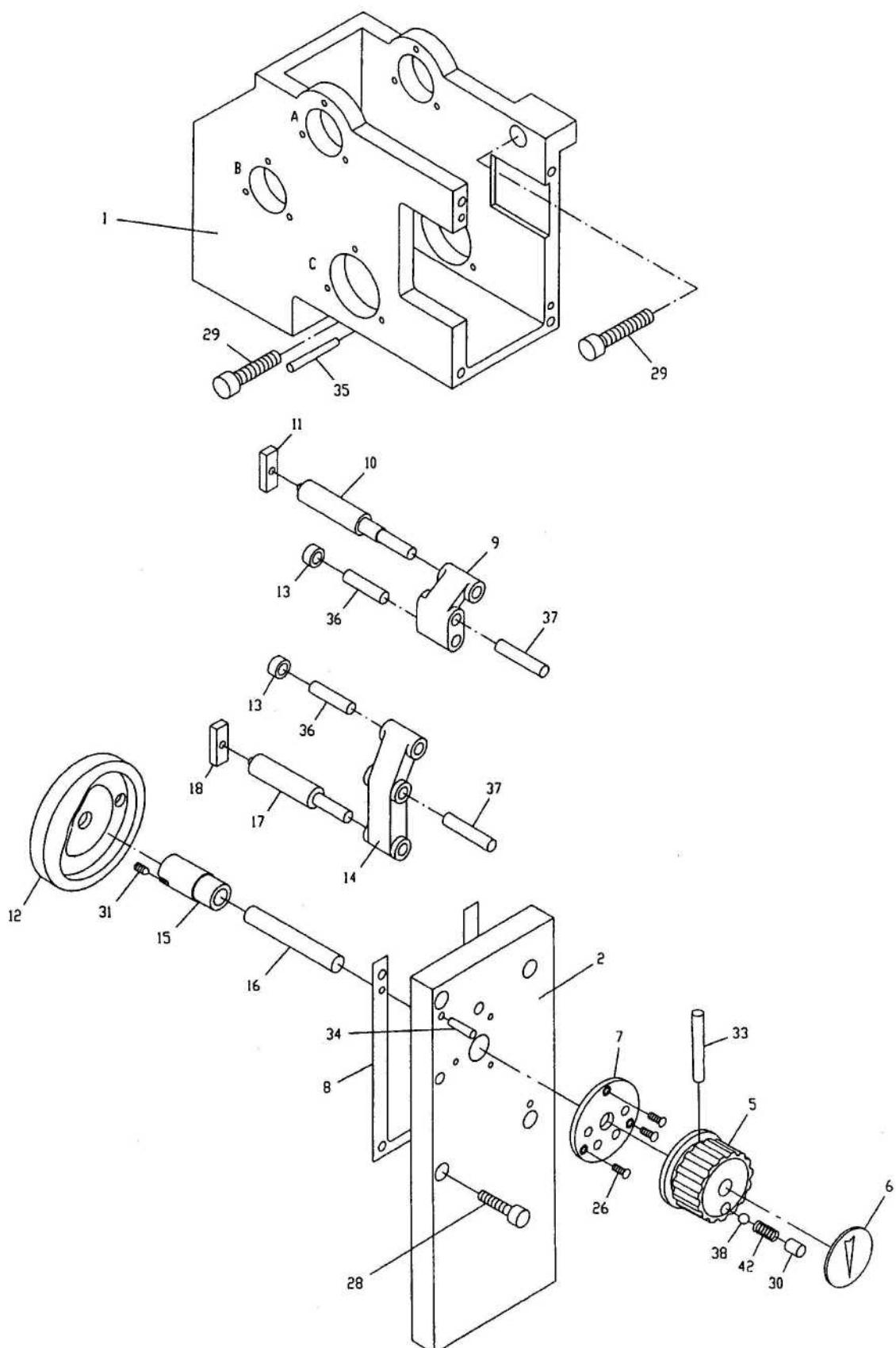
## Headstock Assembly IV



## Headstock Assembly IV

No.	Part No.	Description	Size	Qty.
214	ZX-08302A	Back Cover (for 14" models)		1
	ZX-08302B	Back Cover (for 16" models)		1
	ZX-08302C	Back Cover (for 18" models)		1
	GH2280ZX-08301	Back Cover (for 22" model)		1
215	ZX-08114A	Rear Side Plate (for 14" models)		1
	ZX-08114B	Rear Side Plate (for 16" models)		1
	ZX-08114C	Rear Side Plate (for 18" models)		1
	GH2280ZX-08114	Rear Side Plate (for 22" model)		1
216	ZX-08113A	Front Side Plate (for 14" models)		1
	ZX-08113B	Front Side Plate (for 16" models)		1
	ZX-08113C	Front Side Plate (for 18" models)		1
	GH2280ZX-08113	Front Side Plate (for 22" model)		1
217	TS-1504051	Socket Cap Screw	M8x25	4
218	ZX-H218	Taper Pin	6x25	4
219	TS-1503051	Socket Cap Screw	M6x20	8
220	TS-1514021	Socket Cap Screw	M6x15	3
222	ZX-08712	Upper Hinge		2
223	ZX-H223	Pin	6n6x40	2
225	ZX-08711	Lower Hinge		2

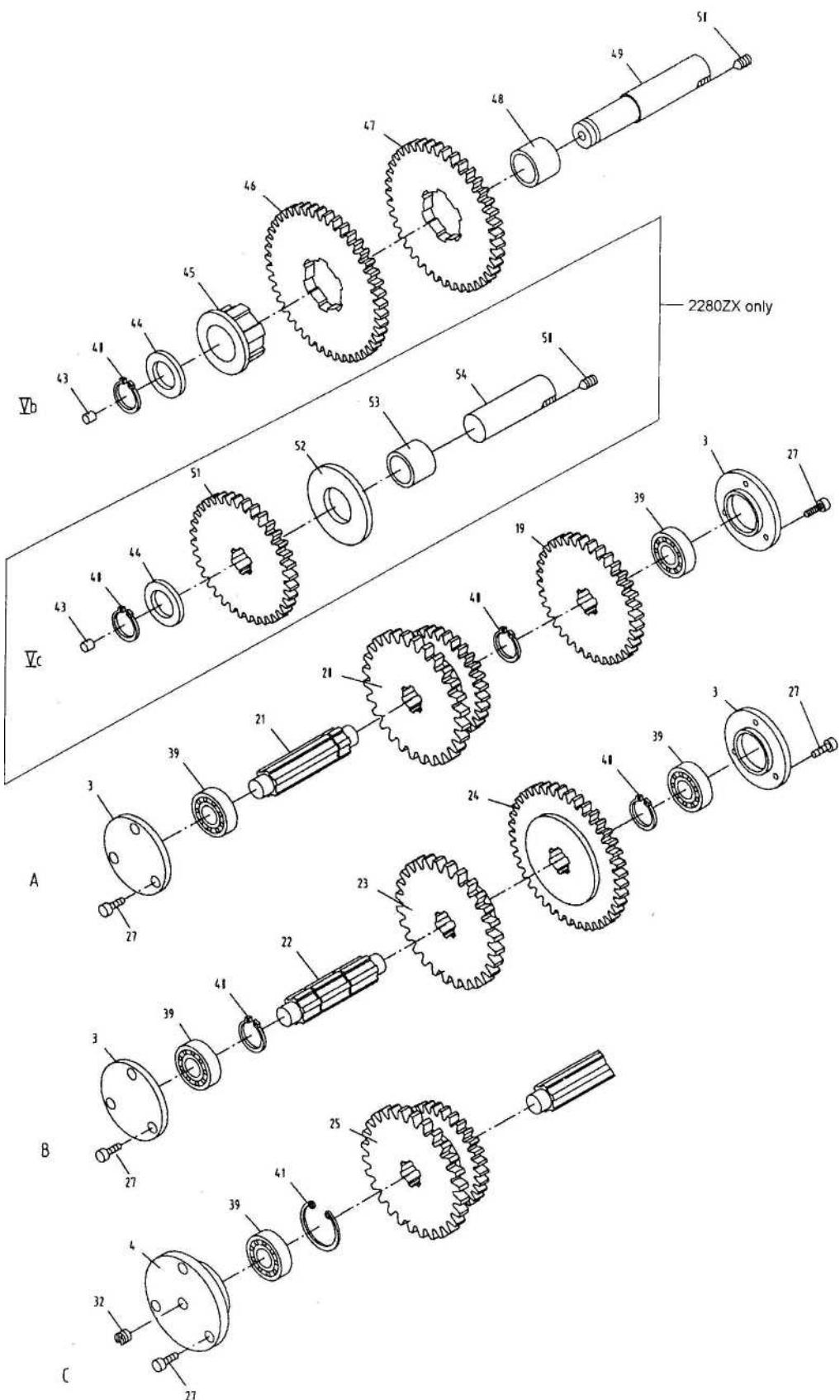
## Change Gear Box Assembly I



## Change Gear Box Assembly I

No.	Part No.	Description	Size	Qty.
1	ZX-08101	Change Gear Box Casting .....		1
2	ZX-08108	Front Cover .....		1
5	ZX-05104C	Hand Wheel .....		1
6	ZX-05301C	Sign Plate .....		1
7	ZX-08708	Positioning Disc .....		1
8	ZX-08505	Gasket.....		1
9	ZX-08111	Crank .....		1
10	ZX-08705	Connecting Rod .....		1
11	ZX-08304	Sliding Block .....		1
12	ZX-05103C	Cam.....		1
13	ZX-05702C	Roller .....		2
14	ZX-08109	Crank .....		1
15	ZX-08110	Bushing .....		1
16	ZX-08704	Rotating Shaft .....		1
17	ZX-08703	Connecting Rod .....		1
18	ZX-08304	Sliding Block .....		1
26	ZX-C26	Cross Head Screw .....	M4x12	3
28	TS-1504051	Socket Cap Screw .....	M8x25	4
29	TS-1516051	Hex Socket Cap Screw .....	M10x40	2
30	TS-1525021	Set Screw .....	M10x12	1
31	ZX-C31	Flat Head Set Screw .....	M6x8	1
33	ZX-C33	Taper Pin .....	4x45	1
34	ZX-C34	Taper Pin .....	6x30	2
35	ZX-C35	Taper Pin .....	6x50	1
36	ZX-C36	Pin .....	10m6x40	2
37	ZX-C37	Pin .....	10m6x50	2
38	ZX-H5	Steel Ball .....	8	1
42	ZX-C42	Spring .....	1x8x30	1

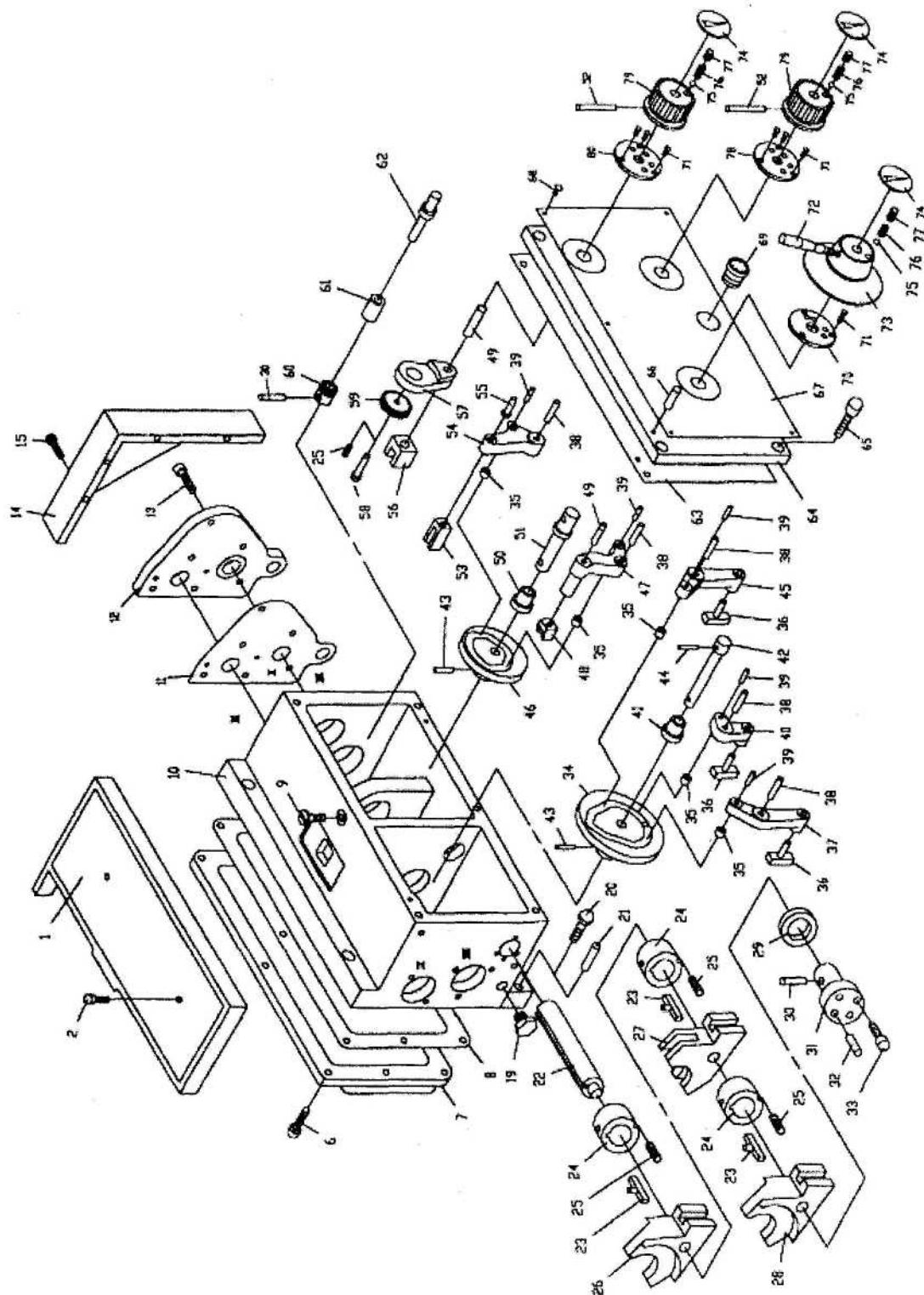
## **Change Gear Box Assembly II**



## Change Gear Box Assembly II

No.	Part No.	Description	Size	Qty.
3	ZX-08104	End Cover .....		4
4	ZX-08103	Bearing Support.....		1
19	ZX-08107	Gear .....	3m36T .....	1
20	ZX-08105	Double Gear .....	3.75m28T/3m30T .....	1
21	ZX-08702	Shaft.....		1
22	ZX-08701	Shaft.....		1
23	ZX-08710	Gear .....	3.75m27T .....	1
24	ZX-08709	Gear .....	3m41T .....	1
25	ZX-08102	Double Gear .....	3.75m30T/3m29T .....	1
27	ZX-C27	Slotted Cheese Head Screw .....	M5x12 .....	15
32	ZX-C32	Flat Head Set Screw .....	M10x12 .....	1
39	BB-6203ZZ/P6	Ball Bearing.....	17x40x12 .....	5
40	ZX-C40	C-Clip.....	25.....	4(5 for 22")
41	ZX-C41	C-Clip.....	40.....	1
43	ZX-C43	Oil Cup .....	8 .....	1 (2 for 22")
44	TNMP08108	Washer.....		1 (2 for 22")
45	TNMP08102	Splined Sleeve.....		1
46	TNMP08504	Gear .....	3m45T .....	1
47	TNMP08501A	Gear (for 14716722" models) .....	3.5m35T.....	1
	TNMP08501B	Gear (for 18" models).....	4m35T .....	1
48	ZX-05502C	Oil Bushing .....		1
49	ZX-08707	Shaft Vb .....		1
50	ZX-C50	Flat Head Set Screw .....	M8x10.....	1 (2 for 22")
51	GH2280ZX-08112	Gear (for 22" model) .....	3m30T .....	1
52	GH2280ZX-1052	Washer.....		1
53	GH2280ZX-1053	Oil Bushing .....		1
54	GH2280ZX-08707	Axis Vc (for 22" model) .....		1

# Quick Change Gear Box I



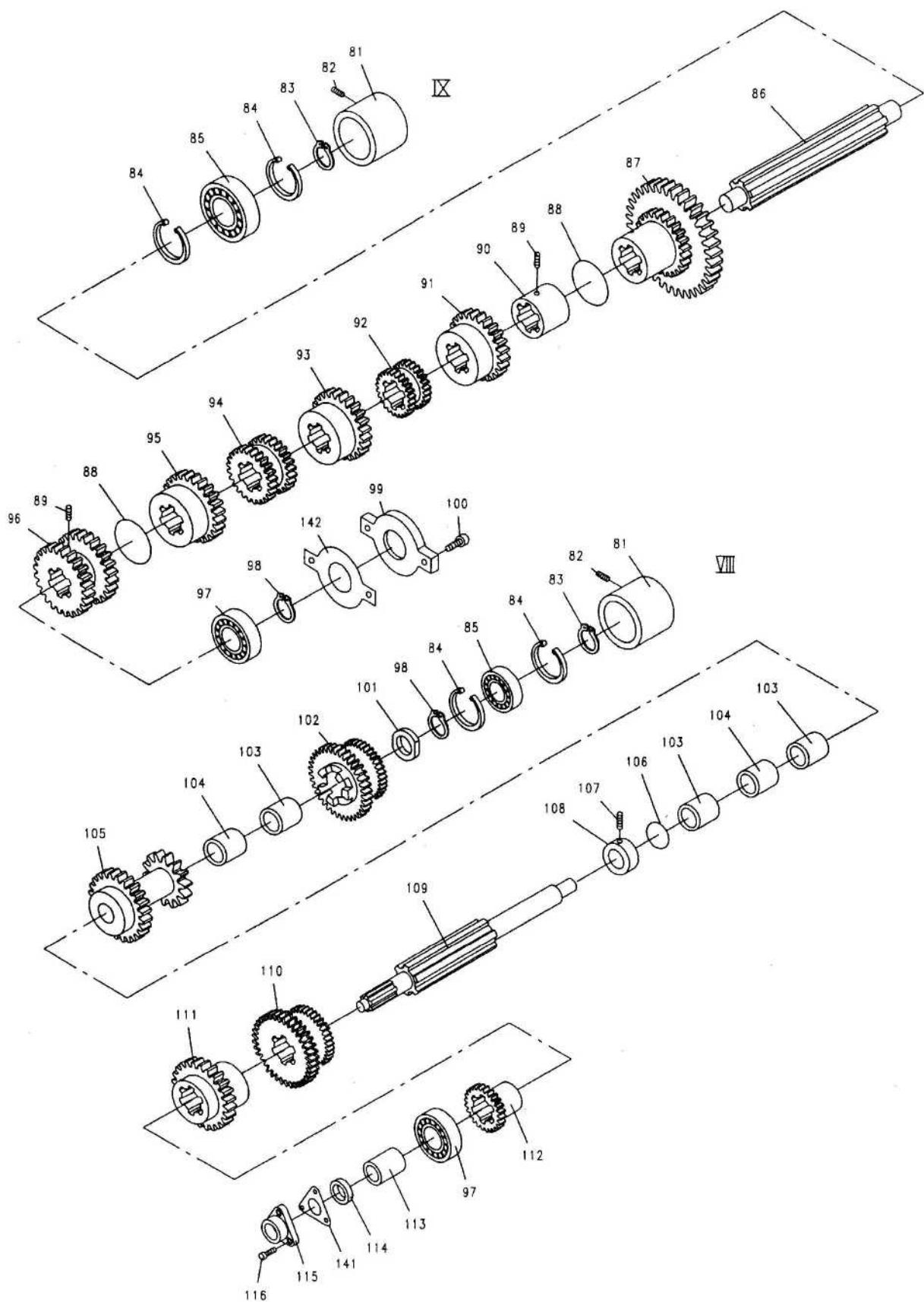
## Quick Change Gear Box I

No.	Part No.	Description	Size	Qty.
1	ZX-05153A	Upper Cover .....		1
2	TS-1514051	Hex Socket Cap Screw .....	M6x30 .....	2
6	TS-1515011	Hex Socket Cap Screw .....	M8x16 .....	10
7	ZX-05109	Rear Cover .....		1
8	ZX-05502	Gasket .....		1
9	ZX-Q09	Countersunk Head Screw .....	M10x18 .....	1
10	ZX-05101	Feedbox Casting .....		1
11	ZX-05501	Gasket .....		1
12	ZX-05108	Flange .....		1
13	TS-1515011	Hex Socket Cap Screw .....	M8x16 .....	6
14	ZX-05151	Extending Plate .....		1
15	TS-1503131	Hex Socket Cap Screw .....	M6x60 .....	4
19	ZX-Q19	Hex Cap Bolt .....	M10x1 .....	1
20	TS-1491061	Hex Cap Bolt .....	M10x40 .....	2
21	ZX-H68	Taper Pin .....	6x35 .....	2
22	ZX-05738	Control Shaft .....		1
23	ZX-05739	Sliding Key .....		3
24	ZX-05128	Sliding Sleeve .....		3
25	ZX-Q25	Flat Head Set Screw .....	M5x8 .....	4
26	ZX-05125	Right Fork .....		1
27	ZX-05126	Middle Fork .....		1
28	ZX-05127	Left Fork .....		1
29	ZX-Q29	Ring Seal .....	32x3.1 .....	1
30	ZX-Q30	Taper Pin .....	4x25 .....	2
31	ZX-05129	Cover .....		1
32	ZX-Q32	Pin .....	5n6x15 .....	1
33	ZX-Q33	Cheese Head Screw .....	M5x16 .....	3
34	ZX-05122	Cam .....		1
35	ZX-05728	Rolling Sleeve .....		5
36	ZX-05729	Poking Key .....		3
37	ZX-05123	Crank .....		1
38	ZX-Q38	Pin .....	8n6x32 .....	5
39	ZX-Q39	Pin .....	6n6x20 .....	5
40	ZX-05124	Crank .....		1
41	ZX-05111	Sleeve .....		1
42	ZX-05726	Lever Shaft .....		1
43	ZX-Q43	Taper Pin .....	4x32 .....	2
44	ZX-Q44	Taper Pin .....	4x65 .....	1
45	ZX-05121	Crank .....		1
46	ZX-05118	Cam .....		1
47	ZX-05120	Crank .....		1
48	ZX-05116	Fork .....		1
49	ZX-Q49	Pin .....	8n6x18 .....	2
50	ZX-05117	Sleeve .....		1
51	ZX-05737	Lever Shaft .....		1
52	ZX-C33	Taper Pin .....	4x45 .....	2
53	ZX-05115	Fork .....		1
54	ZX-05119	Crank .....		1
55	ZX-05735	Pin .....		1
56	ZX-05112	Fork .....		1
57	ZX-05113	Crank .....		1
58	ZX-05730	Small Shaft .....		1
59	ZX-05731	Big Gear .....	1m44T .....	1
60	ZX-05732	Small Gear .....	1m22T .....	1

## Quick Change Gear Box I

No.	Part No.	Description	Size	Qty.
61	ZX-05114	Sleeve.....		1
62	ZX-05734	Lever Shaft .....		1
63	ZX-05503	Gasket.....		1
64	ZX-05110	Front Cover.....		1
65	TS-1516011	Hex Socket Cap Screw .....	M10x20 .....	5
66	ZX-Q66	Taper Pin .....	5x35 .....	6
67	ZX-05303A	Sign Plate .....		1
68	ZX-Q68	Cross Head Screw .....	M3x6.....	7
69	ZX-Q69	Oil Sight Glass .....	20.....	1
70	ZX-05727	Positioning Disc .....		1
71	ZX-Q71	Countersunk Head Screw .....	M4x12 .....	9
72	ZX-05740	Lever .....		1
73	ZX-05130A	Lever Support.....		1
74	ZX-05301	Sign Disc .....		3
75	ZX-H5	Steel Ball .....	8 .....	3
76	ZX-Q76	Compression Spring .....	YZ-1x8x25 .....	3
77	ZX-H3	Flat End Set Screw .....	M10x12 .....	3
78	ZX-05736	Positioning Disc .....		1
79	ZX-05140	Hand Wheel .....		2
80	ZX-05733	Positioning Disc .....		1

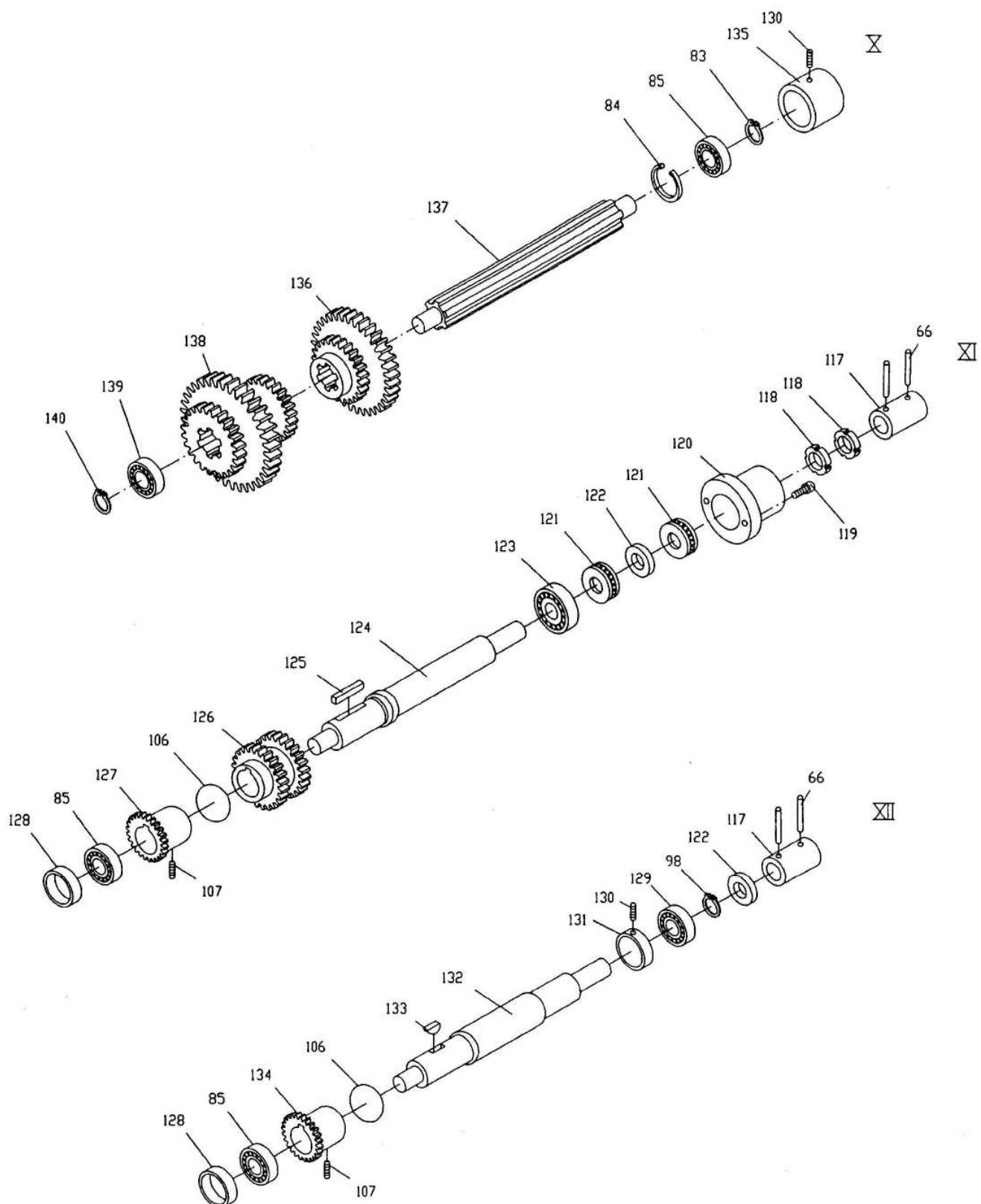
## Quick Change Gear Box II



## Quick Change Gear Box II

No.	Part No.	Description	Size	Qty.
81	ZX-05104	Middle Bearing Support.....		2
82	ZX-Q82	Taper End Set Screw .....	M10x16 .....	2
83	ZX-B23	C-Clip.....	20.....	3
84	ZX-Q84	C-Clip.....	42.....	5
85	BB-6004	Single Row Radial Ball Bearing .....	20x42x12 .....	5
86	ZX-05721	Shaft.....		1
87	ZX-05722	Double Gear .....	2m26T/2m52T .....	1
88	ZX-Q88	Iron Wire .....	1x190 .....	2
89	TS-1524051	Set Screw .....	M8x20.....	2
90	ZX-05720	Positioning Sleeve .....		1
91	ZX-05719	Gear .....	2.25m28T .....	1
92	ZX-05718	Double Gear .....	2m26T/2m28T .....	1
93	ZX-05717	Gear .....	3.5m20T .....	1
94	ZX-05716	Double Gear .....	3.5m18T/3.5m19T .....	1
95	ZX-05715	Gear .....	3.25m22T .....	1
96	ZX-05714	Double Gear .....	3.25m24T/3.25m23T .....	1
97	BB-6205	Single Row Radial Ball Bearing .....	25x52x15 .....	2
98	ZX-C40	C-Clip.....	25.....	3
99	ZX-05125	Shaft End Cover.....		1
100	TS-1515011	Hex Socket Cap Screw .....	M8x18 .....	2
101	ZX-05704	Spacer.....		1
102	ZX-05705	Double Gear .....	2m52T/2m26T .....	1
103	ZX-05502C	Oil Bushing .....		3
104	ZX-05105	Sleeve .....		2
105	ZX-05707	Double Gear .....	2m39T/2m26T .....	1
106	ZX-Q106	Iron Wire .....	1x160 .....	3
107	TS-1524031	Set Screw .....	M8x12 .....	3
108	ZX-05714C	Fixed Bushing.....		1
109	ZX-05710	Shaft.....		1
110	ZX-05709	Double Gear .....	2m48T/2.25m42T .....	1
111	ZX-05711	Sliding Gear .....	3.5m24T .....	1
112	ZX-05712	Sliding Gear .....	3.25m24T .....	1
113	ZX-05713	Sleeve .....		1
114	ZX-G51-1.	Spacer.....	32.....	1
115	ZX-05106	Bearing Support.....		1
116	TS-1515031	Hex Socket Cap Screw .....	M8x25 .....	3
141	ZX-05504	Gasket.....		1
142	ZX-05505	Gasket.....		1

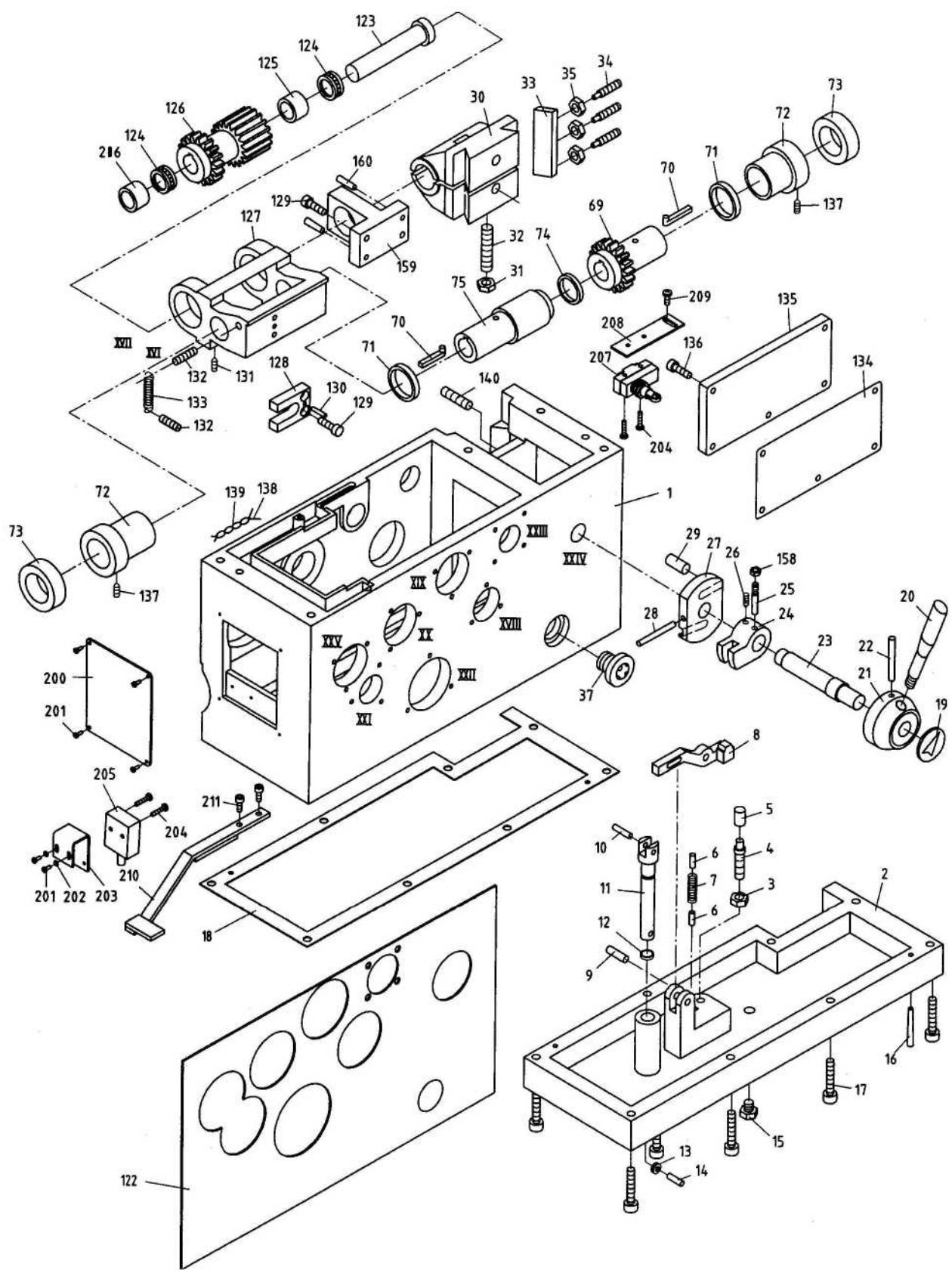
## Quick Change Gear Box III



### Quick Change Gear Box III

No.	Part No.	Description	Size	Qty.
66	ZX-Q66	Taper Pin	5x35	6
83	ZX-Q83	C-Clip	20	3
84	ZX-Q84	C-Clip	42	5
85	BB104	Single Row Radial Ball Bearing	20x42x12	5
98	ZX-Q98	C-Clip	25	3
106	ZX-Q106	Iron Wire	1x160	3
107	TS-1524031	Set Screw	M8x12	3
117	ZX-05113C	Shaft Coupling		2
118	ZX-Q118	Round Nut	M24x1.5	2
119	TS-1503021	Hex Socket Cap Screw	M6x10	2
120	ZX-05114	Cover		1
121	BB-51105	Thrust Bearing	25x42x11	2
122	ZX-Q122	Spacer	25	2
123	BB-6305	Ball Bearing	25x62x17	1
124	ZX-05725	Shaft		1
125	ZX-Q125	Key	8x7x50	1
126	ZX-05724	Double Gear	2.25m35T/2.25m36T	1
127	ZX-05723	Gear	2.5m36T	1
128	ZX-05107	Sleeve		2
129	BB-6005	Ball Bearing	25x47x12	1
130	TS-1525021	Set Screw	M10x12	2
131	ZX-05103	Bearing Support		1
132	ZX-05701	Shaft		1
133	ZX-Q133	Half Circle Key	6x22	1
134	ZX-05703	Gear	2.5m36T	1
135	ZX-05102	Bearing Support		1
136	ZX-05702	Double Gear	2.5m24T/2.25m35T	1
137	ZX-05708	Shaft		1
138	ZX-05706	Triple Gear	2m39T/2m52T/2m26T	1
139	BB-6203	Ball Bearing	17x40x12	1
140	ZX-Q140	C-Clip	17	1

## Apron Assembly I



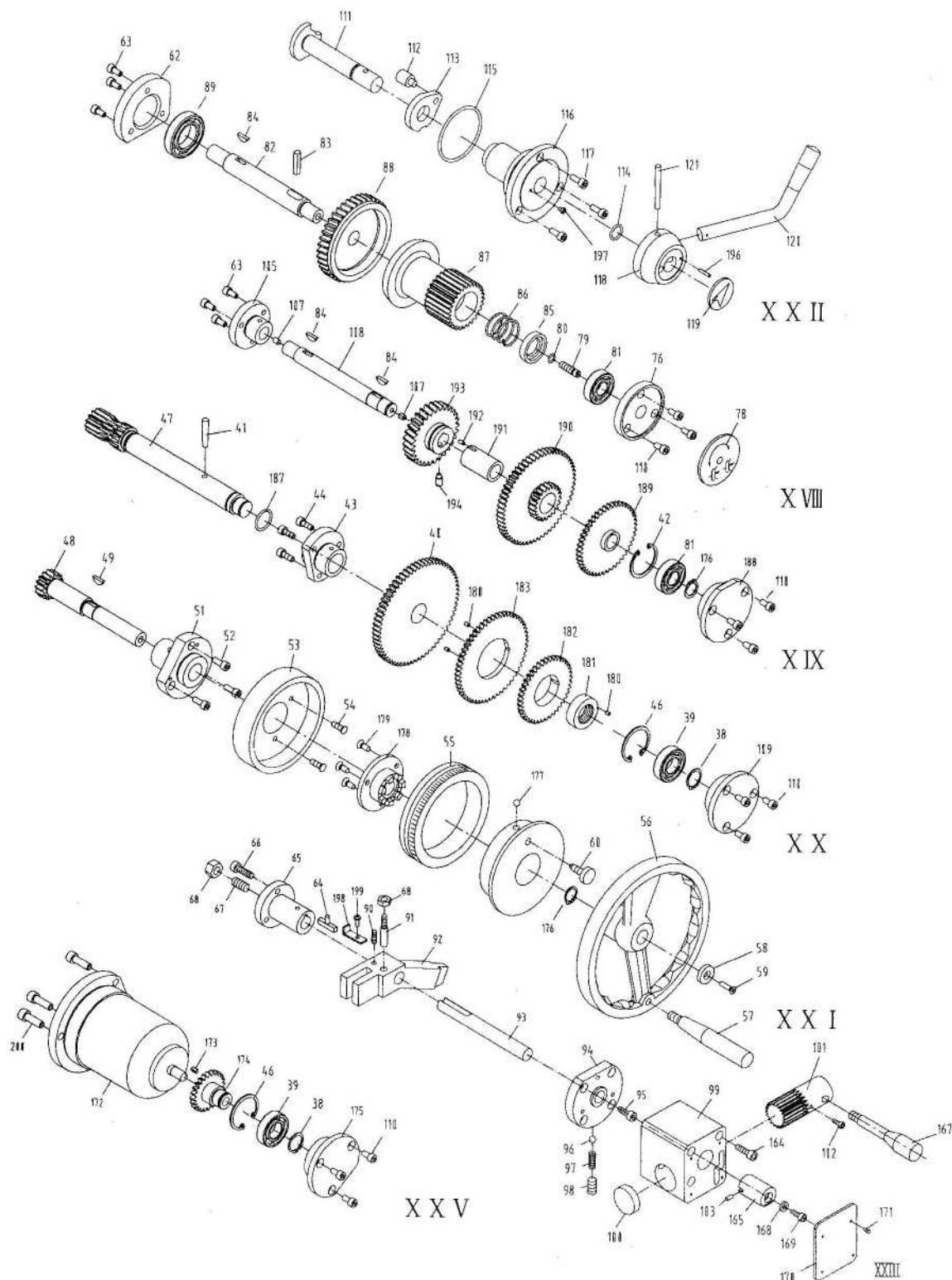
## Apron Assembly I

No.	Part No.	Description	Size	Qty.
1	ZX-K06101	Apron Casting.....		1
2	ZX-K 06112	Bottom Cover .....		1
3	TS-1540072	Hex Nut .....	M10 .....	1
4	GB71	Flat Head Set Screw .....	M10x45 .....	1
5	TL06502	Cushion Cap .....		1
6	ZX-A06	Pin .....	6n6x16 .....	2
7	ZX-A07	Tensile Spring.....	YI-1.2x9x50 .....	1
8	ZX-K06719A	Lever .....		1
9	ZX-A09	Pin .....	8n6x30 .....	1
10	ZX-A10	Pin .....	6n6x18 .....	1
11	TL06701-A	Pushing Rod .....		1
12	ZX-A12	Oil Seal.....	15x2.4 .....	1
13	BB60016	Ball Bearing.....	6x17x6 .....	1
14	ZX-A06	Pin .....	6n6x12 .....	1
15	ZX-A15	Drain Plug .....	Z 1/4" .....	1
16	ZX-B34	Taper Pin .....	5x30 .....	2
17	GB70	Hex Socket Cap Screw .....	M8x45 .....	8
18	ZX-K06501	Gasket.....		1
19	TL06307	Sign Plate .....		1
20	TL06716	Lever .....		1
21	C6132-06122	Lever Support.....		1
22	ZX-B27	Taper Pin .....	6x60 .....	1
23	ZX-K06706	Half Nut Shaft.....		1
24	TL06111Ab	Positioning Block.....		1
25	ZX-A25	Thread Tail Taper Pin .....	6x25 .....	1
26	TS-1523031	Set Screw .....	M6x10 .....	1
27	C6136-06733	Half Nut Control Plate .....		1
28	ZX-A28	Taper Pin .....	6x55 .....	1
29	C6136-06732	Pin .....		2
30	ZX-06302	Half Nut .....		1
31	TS-1540072	Hex Nut .....	M10 .....	1
32	ZX-A32	Cylindrical End Set Screw .....	M10x55 .....	1
33	C6136-06121	Gib .....		1
34	ZX-06A731	Cylindrical End Set Screw .....		3
35	TS-1540061	Hex Nut .....	M8 .....	3
36	ZX-A36	Set Screw .....	M8x32 .....	1X
37	ZX-A37	Oil Sight Glass .....	20 .....	1
69	TL06727N	Gear .....	2m25T .....	1
70	TL06728	Sliding Key .....		2
71	ZX-06121A	Spacer .....		2
72	TL06304N	Worm bracket .....		2
73	ZX-A73	Ring Seal For Rotating .....	3x55 .....	2

## Apron Assembly I

No.	Part No.	Description	Size	Qty.
74	ZBJ2202	"O" ring	M33-B26503270	1
75	TL06729A	Sleeve		1
122	ZX-K06302	Sign Plate		1
123	TL06730	Shaft		1
124	BB-51104	Thrust Bearing	25 x 35 x 10	2
125	TL06305	Sleeve		1
126	ZX-06726A	Worm		1
127	ZX-06122A	Worm Support		1
128	TL06720	Control Plate		1
129	TS-1514031	Hex Socket Cap Screw	M6x16	2
130	ZX-A130	Taper Pin	4x20	1
131	TS-1524031	Set Screw	M8x12	2
132	ZX-A132	Screw	M8x25	2
133	ZX-A133	Cylindrical Tensile Spring	L1-1.6x10x58	1
134	TL06503	Gasket		1
135	TL06114	Back Cover		1
136	TS-1514011	Hex Socket Cap Screw	M6x12	5
137	ZX-A137	Set Screw	M8x30	2
138	ZX-A138	Iron Wire	1x50	2
139	ZX-A139	Oil Conducting Cord	3x100	2
140	ZX-A140	Screw	M10x40	1
158	TS-1540041	Hex Nut	M6	1
159	ZX-06124A	Bracket		1
160	ZX-A160	Pin	5x16	2
200	ZX-K06721	Cover		1
201	ZX-A201E	Cross head screw	M4x8	6
202	GB97. 1	Washer	3	2
203	ZX-K06720	Bracket		1
204	ZX-A204E	Head screw	M3x22	4
205	LWX5-11N1	Limit switch		1
206	TL06120	Sleeve		1
207	LWX5-11Q1	Limit switch		1
208	ZX-K18710	Cover		1
209	GB818	Cross head screw	M5x10	2
210	ZX-K06726	Sleeve		1
211	GB70	Hex Socket Cap Screw	M5x10	2

## Apron Assembly II



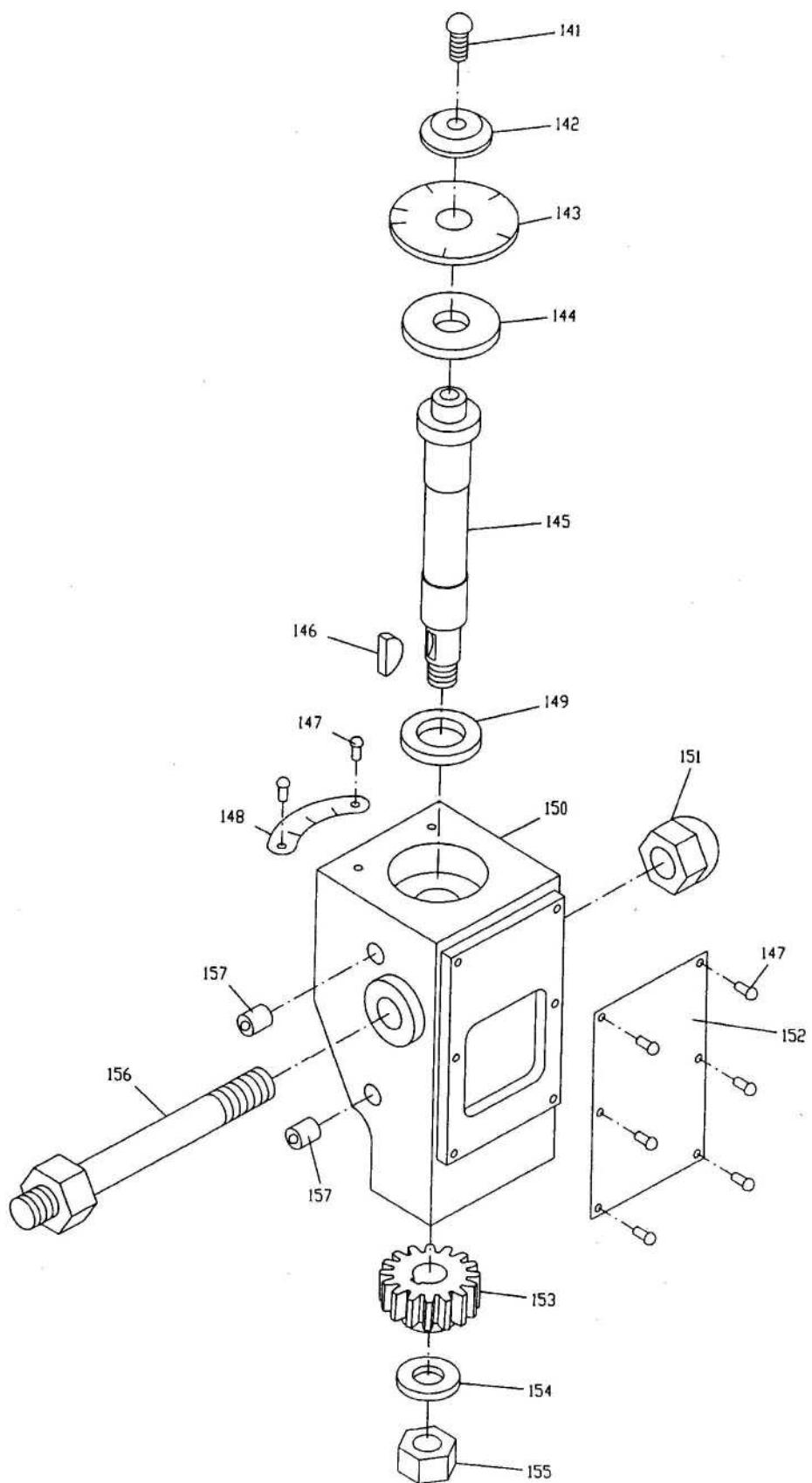
## Apron Assembly II

No.	Part No.	Description	Size	Qty.
38	GB894.1	C-Clip.....	20.....	2
39	6104	Ball Bearing.....	20x42x12 .....	2
40	TL06705	Gear .....	2m65T .....	1
41	ZX-A41	Taper Pin .....	6x40 .....	1
42	GB893.1	C-Clip.....	40.....	2
43	ZX-K06106	Bearing Support.....		1
44	TS-1504041	Hex Socket Cap Screw .....	M6x16 .....	3
46	GB893.1	C-Clip.....	42.....	2
47	ZX-K06712	Shaft.....		1
48	ZX-K06716	Hand Wheel Shaft .....	2mx15T .....	1
49	ZX-H10	Half Circle Key .....	4x16 .....	1
51	ZX-K06109	End Cover .....		1
52	TS-1514031	Hex Socket Cap Screw .....	M6x18 .....	3
53	TL06105	Dial Support .....		1
54	GB819	Cross Head Screw .....	M5x14 .....	3
55	TL06732(m)	Dial.....		1
56	ZX-K06107	Hand Wheel .....		1
57	ZX-06710	Shaft Driven Lever .....		1
58	ZX-K06713	Shaft Cover.....		1
59	GB819	Cross Head Screw .....	M5x20 .....	1
60	ZX-K06714	Screw.....		1
62	TL06112	End Cover .....		1
63	TS-1514011	Hex Socket Cap Screw .....	M6x12 .....	6
64	TL06733	T Shaped Flat Key .....		1
65	TL06115	Flange Sleeve .....		1
66	TS-1514011	Hex Socket Cap Screw .....	M6x12 .....	3
67	ZX-A67	Flat End Set Screw .....	M6x30 .....	1
68	TS-1540041	Hex Nut .....	M6 .....	1
76	TL06109	Flange .....		1
78	TL06303	Sign Plate .....		1
79	TL06714	Adjusting Screw .....		1
80	ZX-A80	Oil Seal.....	8x1.9 .....	1
81	BB-7203	Ball Bearing.....	17x40x12 .....	2
82	ZX-K06708	Shaft.....		1
83	TL06715	Adjusting Rod .....		1
84	ZX-H10	Half Circle Key .....	4x16 .....	3
85	TL06712	Spring Cover .....		1
86	ZX-A86	Spring .....	YI-4x32x40 .....	1
87	TL06718	Gear .....	2m28T .....	1
88	TL06113	Helical Gear.....	2.5m40T .....	1
89	BB7006/P6	Ball Bearing.....	30x55x13 .....	1
90	TS-1523031	Set Screw .....	M6x10 .....	1
91	ZX-A25	Thread Tail Taper Pin .....	M6x25 .....	1
92	TL06110	Fork .....		1
93	ZX-K06707	Control Rod .....		1
94	ZX-06116E	Lever Support .....		1
95	ZX-A95E	Cross Head Screw .....	M6x30 .....	1
96	ZX-H5	Steel ball .....	8 .....	1
97	ZX-A97	Spring .....	YI-1x7x25 .....	1
98	ZX-A98	Flat Head Set Screw .....	M10x16 .....	1
99	ZX-06737E	Bracket .....		1
100	ZX-06741E	Plug .....		1
101	ZX-06739E	Gear shaft .....		1
102	ZX-A102E	Hex head screw .....	M4x8 .....	1

## Apron Assembly II

No.	Part No.	Description	Size	Qty.
103	ZX-A103E	Pin .....	4x8 .....	1
105	ZX-K06105	Dial Support .....		1
107	ZX-A107	Pin .....	6n6x8 .....	1
108	ZX-K06701	Gear .....		1
109	ZX-K06103	Bearing Seat .....		1
110	GB70	Hex Socket Cap Screw .....	M6x20 .....	12
111	ZX-K06718	Control Shaft .....		1
112	TL06725	Pin .....		1
113	ZX-K06717	Control Block .....		1
114	ZX-A114	Oil Seal .....	20x2.4 .....	1
115	ZX-A115	Oil Seal .....	50x3.1 .....	1
116	ZX-K06111	Lever Flange .....		1
117	TS-1514011	Hex Socket Cap Screw .....	M6x16 .....	3
118	ZX-K06110	Lever Support .....		1
119	TL06307	Sign Plate .....		1
120	ZX-K06722	Lever .....		1
121	ZX-B27	Taper Pin .....	6x60 .....	1
164	ZX-A164E	Hex head screw .....	M6x35 .....	3
165	ZX-06738E	Rack .....		1
167	ZX-06740E	Handle .....		1
168	ZX-06736E	Washer .....		1
169	ZX-A169E	Hex head screw .....	M5x10 .....	1
170	ZX-06303E	Label .....		1
171	ZX-A171E	Screw .....	M3x5 .....	4
172	YSS56BJ	Motor .....	300W,1500r/min .....	1
173	GB1096	Key .....	B4x8 .....	1
174	ZX-K06701	Gear .....		1
175	ZX-K06102	Bearing Seat .....		1
176	GB894.1	C-Clip .....	17 .....	1
177	GB308	Steel ball .....	8 .....	1
178	ZX-K06108	Dial Support .....		1
179	GB819	Cross head screw .....	M6x14 .....	3
180	GB73	Flat end set screw .....	M4x6 .....	3
181	ZX-K06301	Sleeve .....		1
182	ZX-K06702	Gear .....		1
183	ZX-K06703	Gear .....		1
187	G51-2A	Oil Seal .....	25x2.4 .....	1
188	ZX-K06104	Bearing Seat .....		1
189	ZX-K06704	Gear .....		1
190	ZX-K06705	Gear .....		1
191	TL06301	Sleeve .....		1
192	GB73	Flat End Set Screw .....		1
193	ZX-K06711	Gear .....		1
194	GB72	Set screw .....	M8x10 .....	1
196	ZX-A196E	Pin .....	4x16 .....	1
197	ZX-197E	Head screw .....	M4x5 .....	1
198	ZX-K18711	Bracket .....		1
199	ZX-199E	Cross head screw .....	M4x8 .....	2
200	GB70	Hex Socket Cap Screw .....	M8x25 .....	3

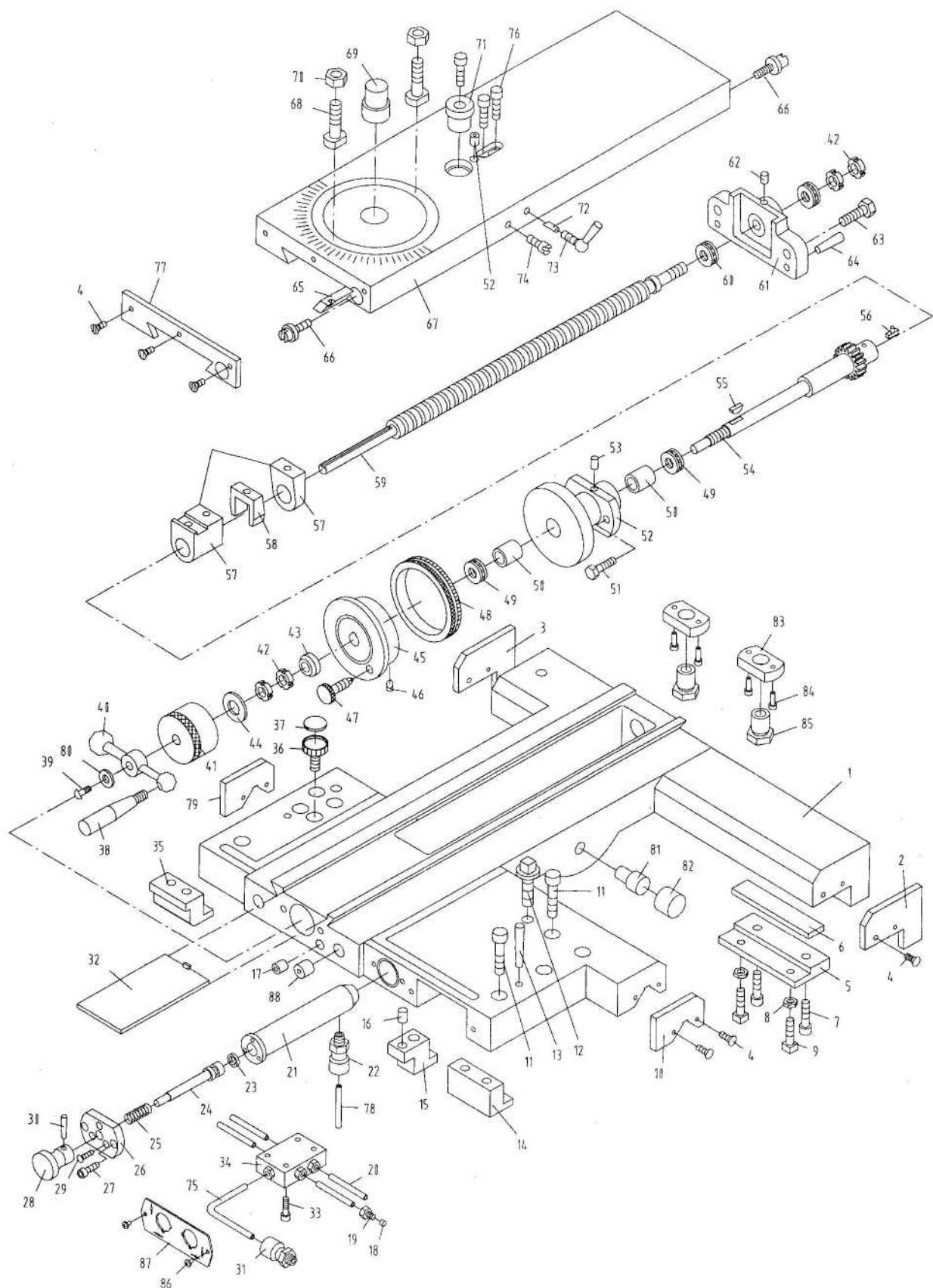
## Apron Assembly III



### Apron Assembly III

No.	Part No.	Description	Size	Qty.
141 .....	ZX-A141 .....	Half Round Head Screw.....	M6x18 .....	1
142 .....	ZX-11704 .....	Washer.....	.....	1
143 .....	ZX-11301 .....	Dial.....	.....	1
144 .....	ZX-11105 .....	Adjusting Washer.....	.....	1
145 .....	ZX-11701 .....	Shaft.....	.....	1
146 .....	ZX-H10.....	Half Circle Key .....	4x16 .....	1
147 .....	ZX-A147 .....	Half Round Head Screw.....	M3x6.....	8
148 .....	ZX-11303 .....	Positioning Sign Plate .....	.....	1
149 .....	ZX-11703 .....	Adjusting Washer.....	.....	1
150 .....	ZX-11101 .....	Casting.....	.....	1
151 .....	ZX-A151 .....	Acorn Nut .....	M12 .....	1
152 .....	ZX-11304 .....	Thread Chasing Label .....	.....	1
153 .....	ZX-11102 .....	Helical Gear.....	2m15T .....	1
154 .....	TS-1550071 .....	Flat Washer.....	M10 .....	1
155 .....	TS-1540072 .....	Hex Nut.....	M10 .....	1
156 .....	ZX-11702 .....	Bolt.....	.....	1
157 .....	ZX-A157 .....	Oil Cup .....	8 .....	2

## Carriage Assembly



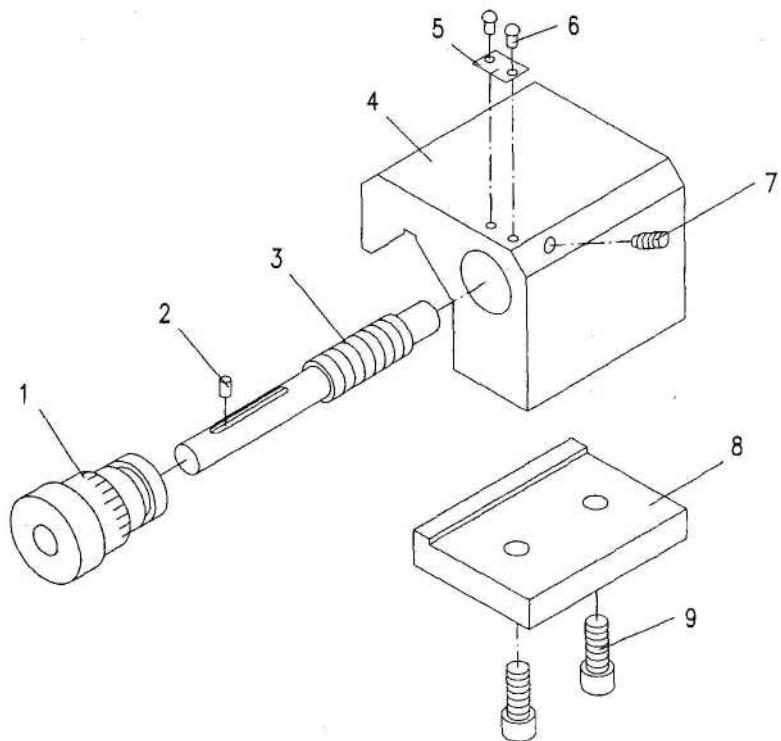
## Carriage Assembly

No.	Part No.	Description	Size	Qty.
1	ZX-K04101	Saddle Casting.....		1
2	ZX-04505	Wipe Plate.....		1
3	ZX-04504	Wipe Plate.....		1
4	ZX-H211	Countersunk Head Screw .....	M5x16	11
5	ZX-04724	Clamping Block .....		2
6	ZX-04113	Lining Plate .....		2
7	TS-1516031	Hex Socket Cap Screw .....	M10x30	4
8	TS-1540061	Hex Nut .....	M8	4
9	ZX-CA09	Square Set Screw .....	M8x20	4
10	ZX-04506	Wipe Plate.....		1
11	TS-1505071	Hex Socket Cap Screw .....	M10x45	8
12	ZX-CA12	Square Cap Bolt.....	M12x60	1
13	ZX-CA13	Taper Pin .....	8x60	2
14	ZX-04729	Clamping Block .....		1
15	ZX-04730	Locking Plate .....		1
16	ZX-CA16	Pin .....	4n6x12	1
17	ZX-K04772	Blocking Piece .....		1
18	ZX-CA18	Fitting Joint Seal .....	A4	8
19	ZX-CA19	Hollowed Bolt .....	A4	8
20	ZX-CA20	Copper Tube.....		4
21	ZX-04782	Manual Oil Pump Casting.....		1
22	ZX-04781A	In Valve.....		1
23	ZX-CA23	Oil Ring .....	15x2.4	1
24	ZX-04784	Piston.....		1
25	ZX-CA25	Spring .....	1.2x14x65	1
26	ZX-04785	Oil Pump Cover.....		1
27	TS-1513031	Hex Socket Cap Screw .....	M5x16	2
28	ZX-04783	Lever .....		1
29	ZX-CA29	Countersunk Head Screw .....	M4x16	3
30	ZX-A130	Taper Pin .....	4x20	1
31	ZX-04781B	Out Valve.....		1
32	ZX-04716	Chip Guard.....		1
33	ZX-CA33	Slotted Cheese Head Screw .....	M5x20	4
34	ZX-04780	Oil Distributor.....		1
35	ZX-K04740	Clamping Block .....		1
36	ZX-04750	Oil Cap .....		1
37	ZX-04301	Oil Indicator Cap .....		1
38	ZX-04721	Lever .....		1
39	ZX-CA39	Cross Head Screw .....	M5x16	1
40	ZX-04720	Handle.....		1
41	ZX-04769	Sleeve .....		1
42	ZX-CA42	Round Nut .....	M12x1.25	4
43	ZX-04719	Lining.....		1

## Carriage Assembly

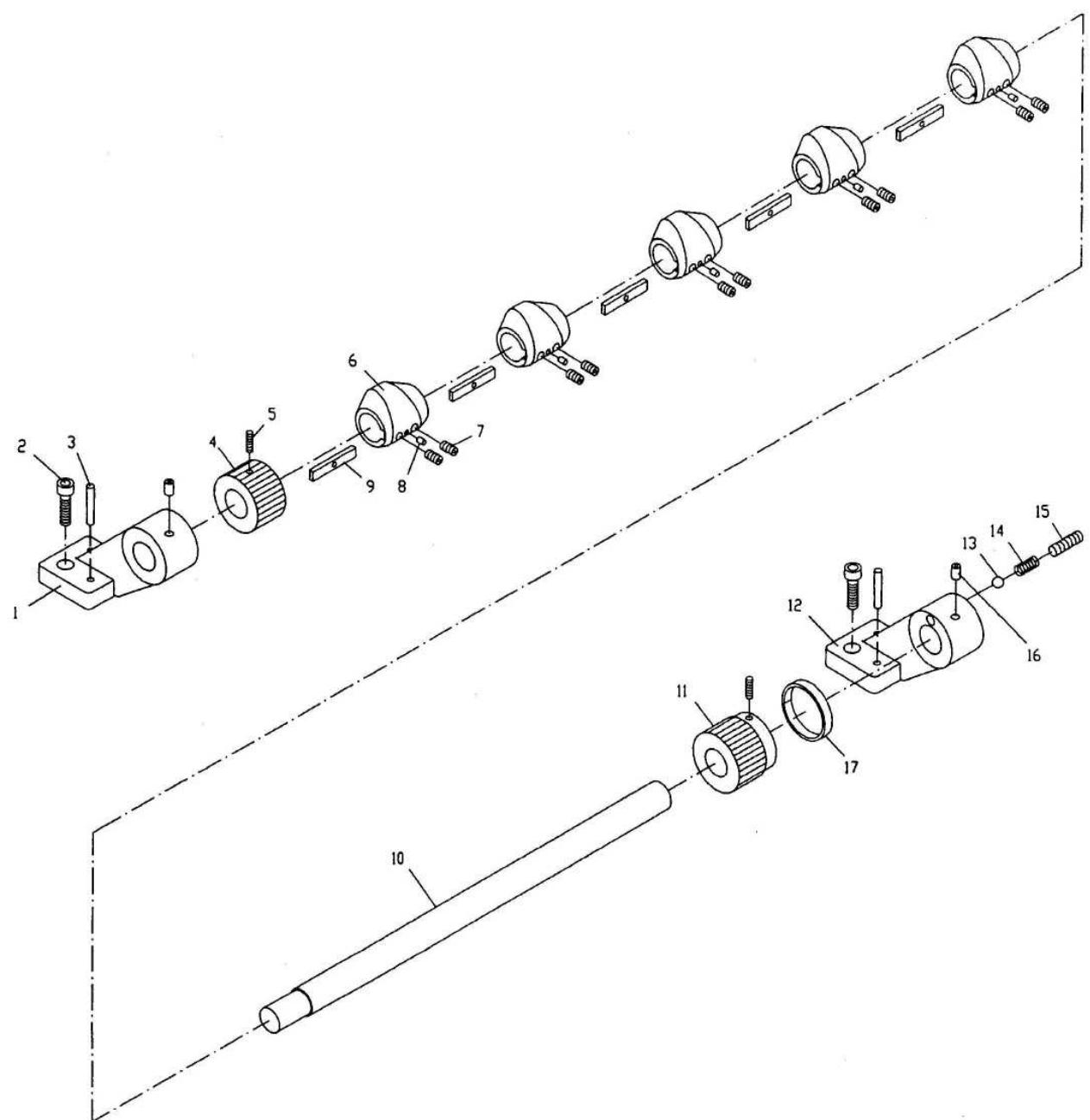
No.	Part No.	Description	Size	Qty.
44	ZX-04770	Disc Spring .....		1
45	ZX-04108	Flat Pan .....		1
46	ZX-04790	Pushing Rod .....		1
47	ZX-04789	Screw .....		1
48	ZX-04717	Dial .....		1
49	BB-51102	Thrust Bearing .....	15x28x9	2
50	ZX-04111	Sleeve .....		2
51	TS-1490041	Hex Cap Bolt .....	M8x25	2
52	ZX-04109	Screw Support(for 14"/16"/18" models) .....		1
	GH-2280ZX-04109A	Screw Support(for 22" models) .....		1
53	ZX-CA53	Oil Cup .....	8	2
54	ZX-K04707-1	Gear Sliding Sleeve(for 14716718" models) .2m,16T .....	1	1
	GH-2280ZX-04707-1	Gear Sliding Sleeve(for 22" models) .....	2m16T	1
55	ZX-H10	Half Circle Key .....	4x16	1
56	ZX-04751	Flat Key .....		1
57	ZX-04302	Nut Assembly(for 14"/16"/18" models) .....		1
	GH-2280ZX-04301	Nut Assembly(for 22" models) .....		1
58	ZX-04748	Wedge .....		1
59	ZX-K04707-2(m)	Lead Screw(for 14716718" models) .....		1
	GH-2280ZX-04707-2	Lead Screw(for 22" models) .....		1
60	BB-51101/P6	Thrust Bearing .....	12x26x9	2
61	ZX-04116	Bracket .....		1
62	ZX-CA62	Oil Cup .....	6	1
63	TS-1491041	Cap Screw .....	M10x30	2
64	ZX-CA64	Taper Pin .....	8x30	2
65	ZX-04731	Cross Slide Gib .....		1
66	ZX-04725C	Screw .....		2
67	ZX-K04102	Cross Slide(for 14"/16"/18" models) .....		1
	GH-2280ZX-04102	Cross Slide(for 22" models) .....		1
68	ZX-04714	Screw (for 18"/22" models, T-Slot) .....		2
	ZX-04714C	Screw (for 14"/16" models, T-Slot) .....		2
69	ZX-04732	Pin .....		1
70	TS-1540081	Hex Nut .....	M12	2
71	ZX-04709	Sleeve .....		1
72	ZX-04304	Pressing Pin .....		1
73	ZX-04746	Screw .....		1
74	ZX-04786	Set Screw .....		1
75	ZX-CA75	Long Copper Tube .....		1
76	ZX-C76	Socket Head Cap Screw .....	M8x22	3
77	ZX-04502	Wipe Plate .....		1
78	ZX-CA78	Copper Tube .....		6
79	ZX-04503	Wipe Plate .....		1
80	ZX-04771	Lining .....		1
81	ZX-04788	Stop Pin .....		1
82	ZX-04507	Stop Pin Cap .....		1
83	ZX-K04803	Flange .....		2
84	GB70	Hex Socket Cap Screw .....	M5x14	4
85	D96-5	Adaptor .....	M20x1.5	2
86	GB818	Corss head screw .....	M4x6	2
87	ZX-K04321	Plate .....		1
88	ZX-K04802	Blocking Piece .....		2

## Micro Carriage Stop



No.	Part No.	Description	Size	Qty.
1	ZX-09709	Dial.....		1
2	ZX-MS2	Pin.....	B4x8	1
3	ZX-09708	Axle .....		1
4	ZX-09105	Stop.....		1
5	ZX-03302	Sign Plate .....		1
6	ZX-MS6	Nail.....	3x8	2
7	ZX-MS7	Hex Socket Set Screw.....	M6x12	1
8	ZX-09106	Clamping Plate .....		1
9	ZX-MS9	Hex Socket Cap Screw.....	M8x20	2

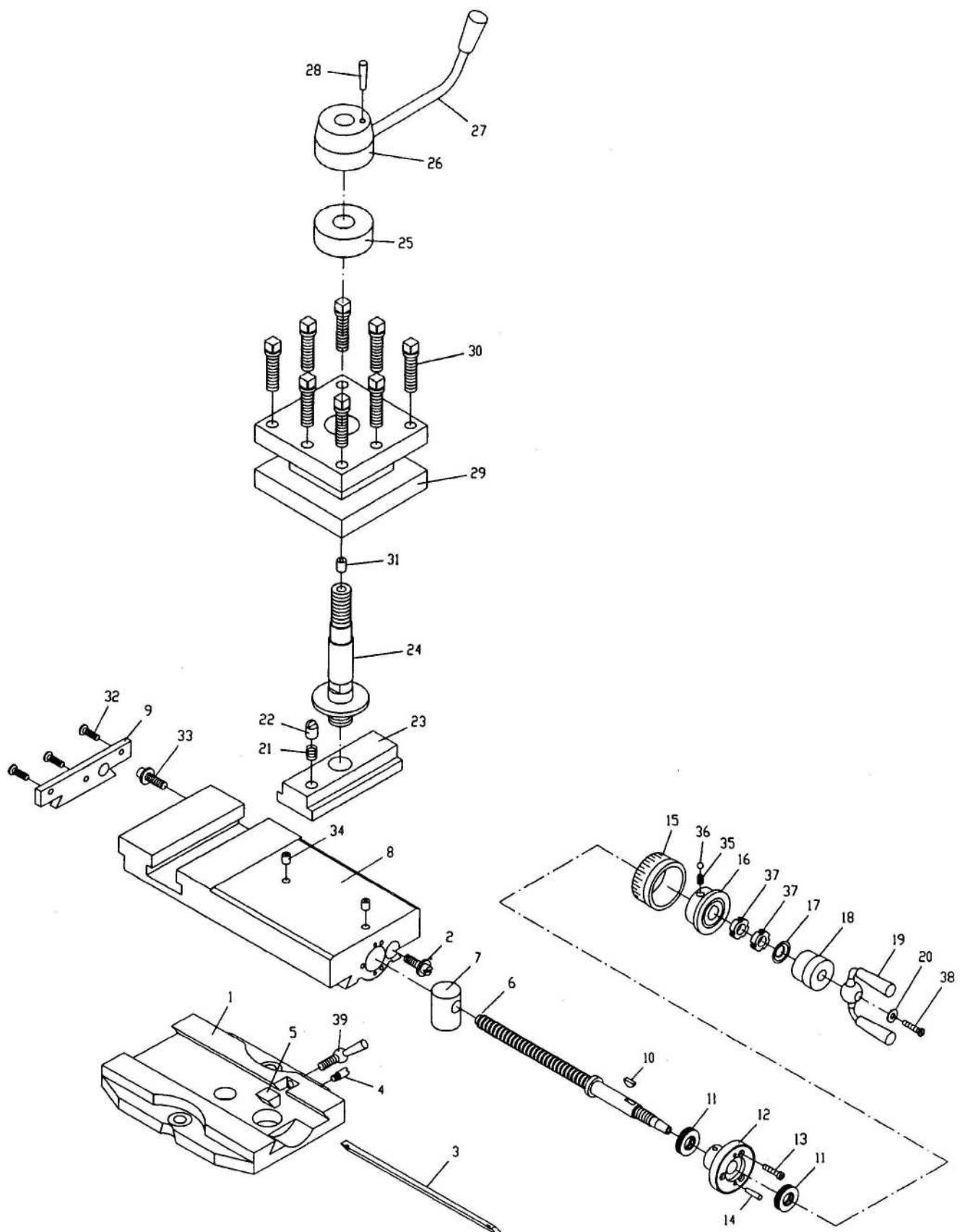
## Carriage Stop Assembly



## Carriage Stop Assembly

No.	Part No.	Description	Size	Qty.
1	ZX-26101	Left Support		1
2	TS-1504041	Hex Socket Cap Screw	M8x20	4
3	ZX-C34	Taper Pin	6x30	4
4	ZX-26704	Control Ring		1
5	TS-1523031	Set Screw	M6x10	2
6	ZX-26702	Eccentric Travel Setting Ring		5
7	ZX-H66	Flat End Set Screw	M6x10	10
8	ZX-C08	Pin	4n6x10	5
9	ZX-26703	Locking Key		5
10	ZX-26701A	Travel Setting Rod (for 1440/1640/1840ZX)		1
	ZX-26701B	Travel Setting Rod (for 1460/1660/1860ZX)		1
	ZX-26701C	Travel Setting Rod (for 1880/2280ZX)		1
11	ZX-26705	Control Ring		1
12	ZX-26104	Right Support		1
13	ZX-H5	Steel Ball	8	1
14	ZX-CS14	Compression Spring	2x8x25	1
15	ZX-CS15	Flat Head Set Screw	M10x12	1
16	ZX-CS16	Oil Cup	8	2
17	ZX-26301	Dial		1

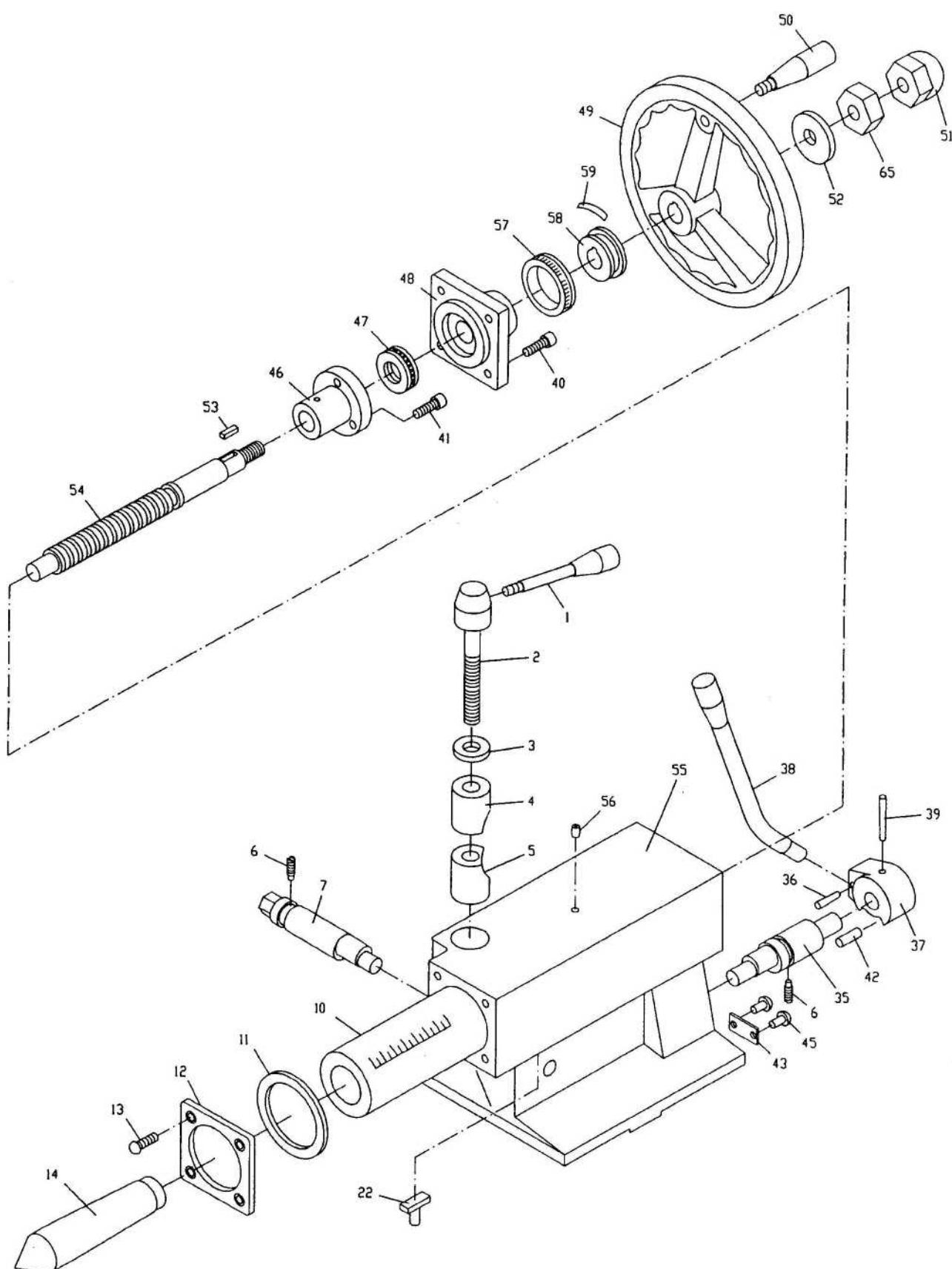
## Four Way Tool Post



## Four Way Tool Post

No.	Part No.	Description	Size	Qty.
1	ZX-04103A	Revolving Plate (for 14" models)		1
	ZX-04103B	Revolving Plate (for 16" models)		1
	ZX-04103C	Revolving Plate (for 18" models)		1
	GH2280ZX-04103	Revolving Plate (for 22" model)		1
2	ZX-04725	Screw		1
3	ZX-04710	Gib		1
4	ZX-04786	Screw		1
5	ZX-04303	Pressing Block		1
6	ZX-04706	Lead Screw		1
7	ZX-04106A	Nut		1
8	ZX-04107A	Top Slide (for 14" models)		1
	ZX-04107B	Top Slide (for 16/18" models)		1
	GH2280ZX-04107	Top Slide (for 22" model)		1
9	ZX-04501	Wipe Plate		1
10	ZX-F10	Half Circle Key	3x13	1
11	BB-51102	Thrust Bearing	15x28x9	2
12	ZX-04115	Sleeve		1
13	ZX-F13	Slotted Cheese Head Screw	M5x12	3
14	ZX-F14	Taper Pin	3x18	2
15	ZX-04727	Dial		1
16	ZX-04114	Sleeve		1
17	ZX-04768	Disc Spring		1
18	ZX-04767	Sleeve		1
19	ZX-04726	Handle		1
20	ZX-04771	Lining		1
21	ZX-04763	Spring	0.8x6x25	1
22	ZX-04787	Positioning Block		1
23	ZX-04752A	T-Slot Nut		1
24	ZX-04754	Shaft		1
25	ZX-04759	Adjusting Lining Sheet		1
26	ZX-04110	Lever Support		1
27	ZX-04753	Handle		1
28	ZX-Q66	Taper Pin	5x35	1
29	ZX-04713A	Tool Post (for 14" models)		1
	ZX-04713B	Tool Post (for 16"/18"/22" models)		1
30	ZX-F30A	Clamping Screw (for 16"/18"/22" models)	M12x45	8
	ZX-F30B	Clamping Screw (for 14" models)	M12x50	8
31	ZX-F31	Oil Cup	8	1
32	ZX-H211	Countersunk Head Screw	M5x16	3
33	ZX-04725C	Screw		1
34	ZX-F34	Oil Cup	8	2
35	ZX-F35	Spring	0.7x5x9	1
36	ZX-F36	Steel Ball	6	1
37	ZX-F37	Round Nut	M12x1.25	2
38	ZX-CA39	Cross Head Screw	M5x16	1
39	ZX-04746K	Screw Wrench		1
	ZX-TA14	Toolholder Assembly 14" (includes #29 & 30)		
	ZX-TA16/18/22	Toolholder Assembly 16"/18"/22" (includes # 29 & 30)		
	ZX-CPA14	Compound Assembly 14" (includes # 1-20,32-39)		
	ZX-CPA16	Compound Assembly 16" (includes #1-20,32-39)		
	ZX-CPA18	Compound Assembly 18" (includes # 1-20,32-39)		
	ZX-CPA22	Compound Assembly 22" (includes # 1-20,32-39)		

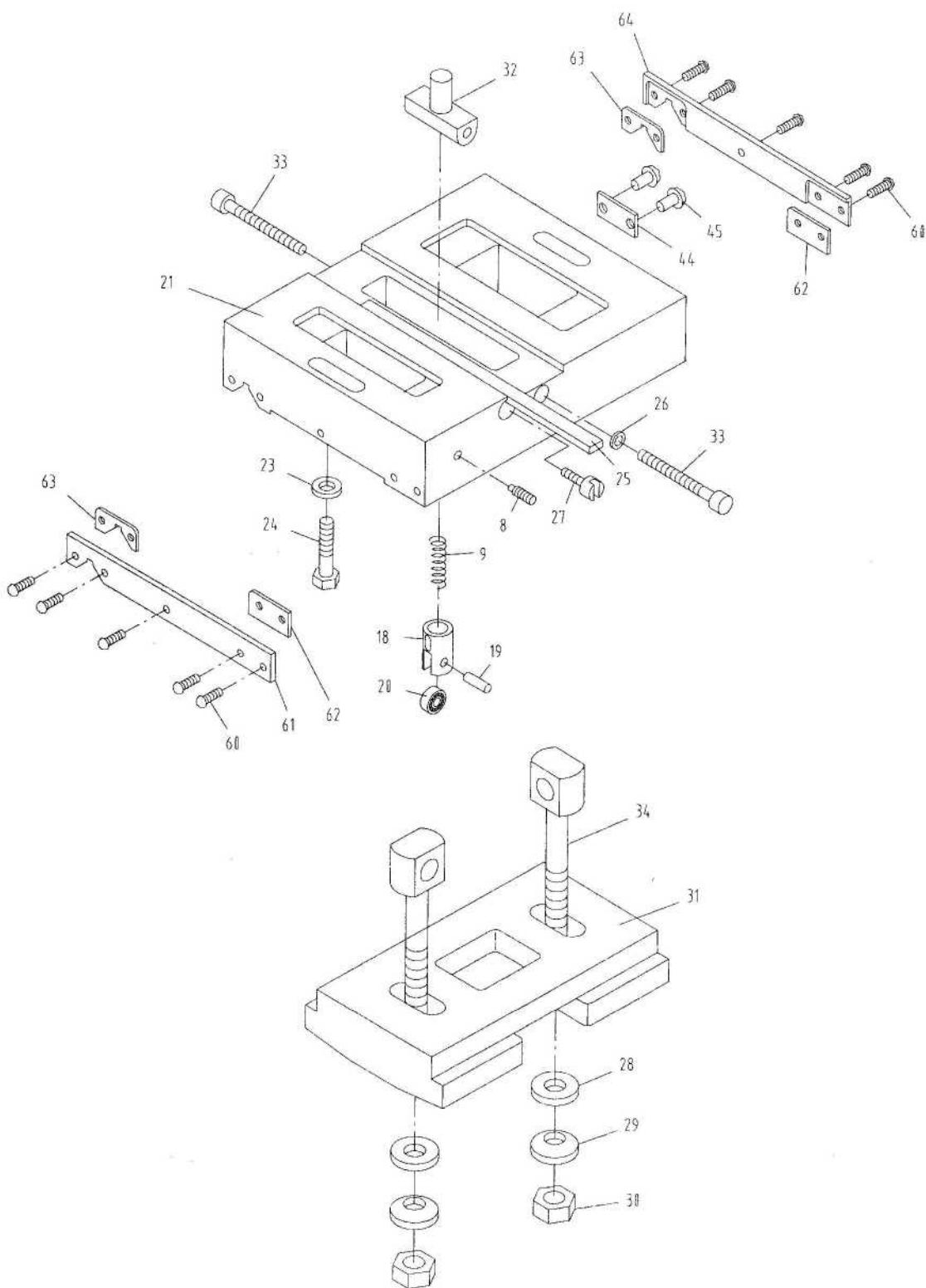
## Tailstock Assembly I



## Tailstock Assembly I

No.	Part No.	Description	Size	Qty.
1	ZX-03711	Handle.....		1
2	ZX-03717	Lever Support.....		1
3	ZX-03718	Washer.....		1
4	ZX-03719	Clamping Block.....		1
5	ZX-03720	Clamping Block.....		1
6	ZX-T06	Cylindrical End Set Screw .....	M8x14	2
7	ZX-03712	Eccentric Shaft .....		1
10	ZX-03701A	Center Sleeve (for 18"/22" models) .....		1
	ZX-03701B	Center Sleeve (for 14"/16" models) .....		1
11	ZX-T11	Ring Seal .....	75x2.65	1
12	ZX-03703	Front Cover .....	1	
13	ZX-T13	Cross Recessed Countersunk Head Screw .....	M5x10	4
14	ZX-T14A	Center Morse (for 18"/22" models) .....	No.5	1
	ZX-T14B	Center Morse (for 14"/16" models) .....	No.4	1
22	ZX-03702	Positioning Block.....		1
35	ZX-03714	Eccentric Shaft .....		1
36	ZX-T36	Taper Pin .....	6x32	1
37	ZX-03104	Lever Sleeve .....		1
38	ZX-03709	Lock handle.....		1
39	ZX-A28	Taper Pin .....	6x55	1
40	TS-1504041	Hex Socket Cap Screw .....	M8x20	4
41	TS-1515031	Hex Socket Cap Screw .....	M8x22	3
42	ZX-T42	Pin .....	10n6x22	1
43	ZX-03302	Sign Plate .....		1
45	ZX-T45	Nail .....	3x8	4
46	ZX-03105	Nut .....		1
47	BB-51205	Thrust Ball Bearing.....	25x47x15	1
48	ZX-03104	Back Cover.....		1
49	ZX-03103	Hand Wheel .....		1
50	ZX-03707	Lever .....		1
51	ZX-T51	Acorn Nut .....	M16	1
52	TS-155010	Flat Washer.....	M16	1
53	ZX-T53	Key .....	6x40	1
54	ZX-03710A	Lead Screw (for 18"/22" models).....		1
	ZX-03710B	Lead Screw (for 14"/16" models).....		1
55	ZX-03101A	Tailstock Casting (for 18" models) .....		1
	ZX-03101B	Tailstock Casting (for 16" models) .....		1
	ZX-03101C	Tailstock Casting (for 14" models) .....		1
	GH2280ZX-03101	Tailstock Casting (for 22" model).....		1
56	ZX-T56	Oil Cup .....	8	1
57	ZX-03708	Dial.....		1
58	ZX-03706	Sleeve .....		1
59	ZX-03711C	Spring Leaf .....		1
65	TS-2310162	Nut .....	M16	1

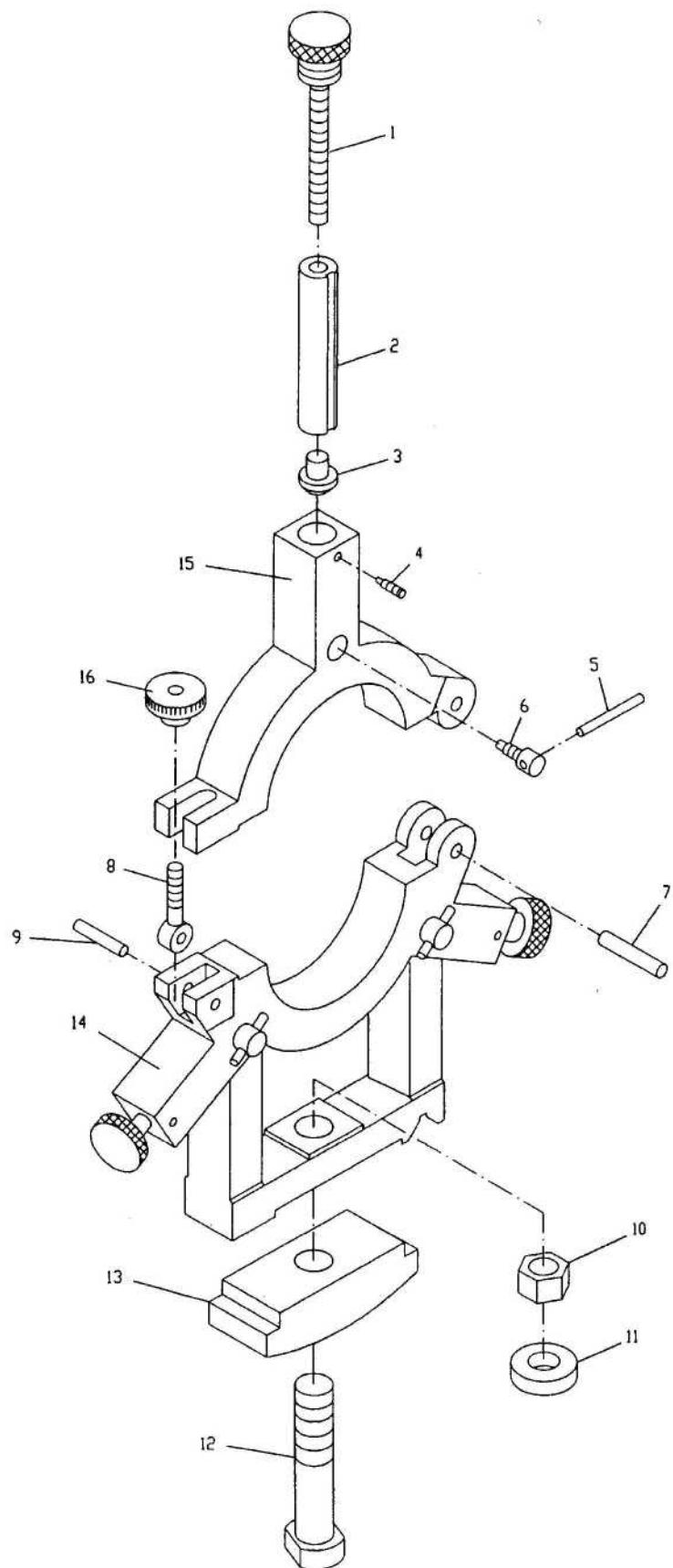
## Tailstock Assembly II



## Tailstock Assembly II

No.	Part No.	Description	Size	Qty.
8	ZX-T08	Flat End Set Screw (except in 14" models) ...	M6x18	4
9	ZX-T09E	Spring		1
18	ZX-03714	Bearing Support (Except in 14" models)		4
19	ZX-03715	Small Axle (Except in 14" models)		4
20	ZX-T20	Ball Bearing (Except in 14" models)	7x19x6	4
21	ZX-03102A	Sliding Base (for 18"/22" models)		1
	ZX-03102B	Sliding Base (for 16" models)		1
	ZX-03102C	Sliding Base (for 14" models)		1
23	TS-1550071	Flat Washer	M10	2
24	TS-1491151	Hex Cap Bolt (for 18"/22" models)	M10x90	2
	TS-1491121	Hex Cap Bolt (for 16" models)	M10x70	2
	TS-1491081	Hex Cap Bolt (for 14" models)	M10x50	2
25	ZX-03704	Gib		1
26	ZX-03721C	Spherical Washer		2
27	ZX-03718C	Adjusting Screw		2
28	ZX-T28	Taper Washer	16	2
29	ZX-T29	Spherical Washer	16	2
30	TS-2310162	Hex Nut	M16	2
31	ZX-03106	Clamping Bracket		1
32	ZX-03105C	Nut		1
33	ZX-T33	Hex Socket Cap Screw	M8x85	2
34	ZX-03705A	Pulling Rod (for 18722" models)		2
	ZX-03705B	Pulling Rod (for 16" models)		2
	ZX-03705C	Pulling Rod (for 14" models)		2
44	ZX-03303	Sign Plate		1
45	ZX-T45	Nail	3x8	4
60	ZX-T60	Half Round Head Screw	M5x12	10
61	ZX-03721	Plate		1
62	ZX-03502	Wipe Plate		2
63	ZX-03503	Wipe Plate		2
64	ZX-03716	Plate		1
	ZX-TSA14	Tailstock Assembly, 14" (includes # 1-13,15-65)		
	ZX-TSA16	Tailstock Assembly, 16" (includes* 1-13,15-65)		
	ZX-TSA18	Tailstock Assembly, 18" (includes # 1-13,15-65)		
	ZX-TSA22	Tailstock Assembly, 22" (includes #1-13,15-65)		

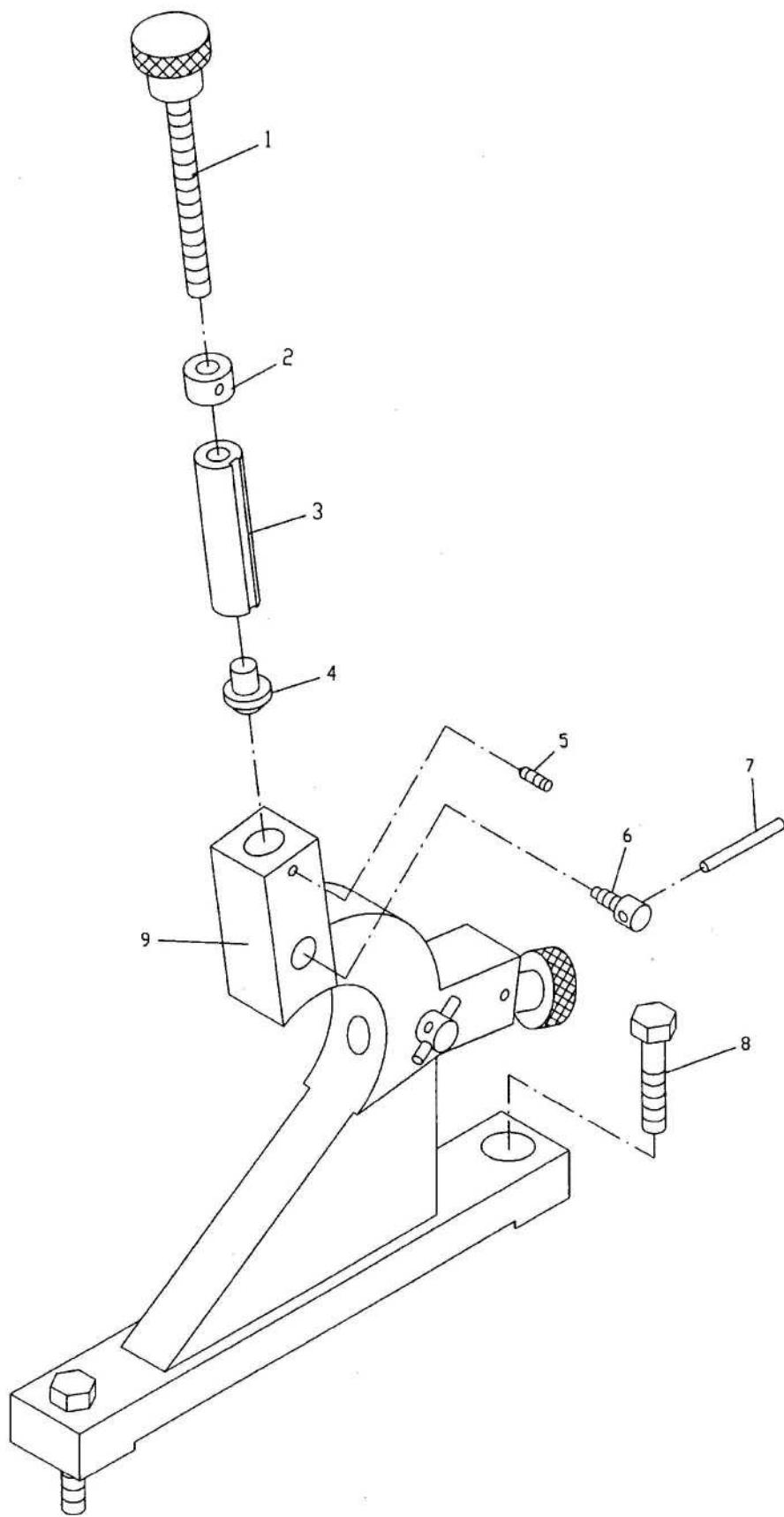
## Steady Rest Assembly



## Steady Rest Assembly

No.	Part No.	Description	Size	Qty.
1	ZX-10702A	Screw (for 14" models) .....		3
	ZX-10702B	Screw (for 16" models) .....		3
	ZX-10702C	Screw (for 18"/22" models) .....		3
2	ZX-10704D	Sliding Sleeve.....	90-180	3
	ZX-10705D	Sliding Sleeve.....	20-210	3
3	ZX-10301D	Pushing Block .....		3
4	ZX-SR04	Slotted Set Screw .....	M6x20	3
5	ZX-10705	Lever .....		3
6	ZX-10706	Locking Screw .....		3
7	ZX-C36	Pin .....	10n6x40	1
8	ZX-10701F	Hinge Screw .....		1
9	ZX-SR9	Pin .....	8n6x40	1
10	ZX-SR10	Hex Nut .....	M20	1
11	ZX-SR11	Flat Washer.....	20	1
12	ZX-10708	Tightening Screw .....		1
13	ZX-10103D	Clamping Plate .....		1
14	ZX-10101A	Lower Part of Steady Rest (for 14" models) .....		1
	ZX-10101B	Lower Part of Steady Rest (for 16" models) .....		1
	ZX-10101C	Lower Part of Steady Rest (for 18" models) .....		1
	GH2280ZX-10101	Lower Part of Steady Rest (for 22" model) .....		1
15	ZX-10102AS	Upper Part of Steady Rest (for 14" models) .....		1
	ZX-10102BS	Upper Part of Steady Rest (for 16"/18" models) .....		1
	ZX-10102F	Upper Part of Steady Rest (for 22" model) .....		1
16	ZX-SR16	Round Nut .....	M10	1
	ZX-SRA14	Steady Rest Assembly, 14" (includes # 1-16) .....		
	ZX-SRA16	Steady Rest Assembly, 16" (includes # 1-16) .....		
	ZX-SRA18	Steady Rest Assembly, 18" (includes # 1-16) .....		
	ZX-SRA22	Steady Rest Assembly, 22" (includes #1-16) .....		

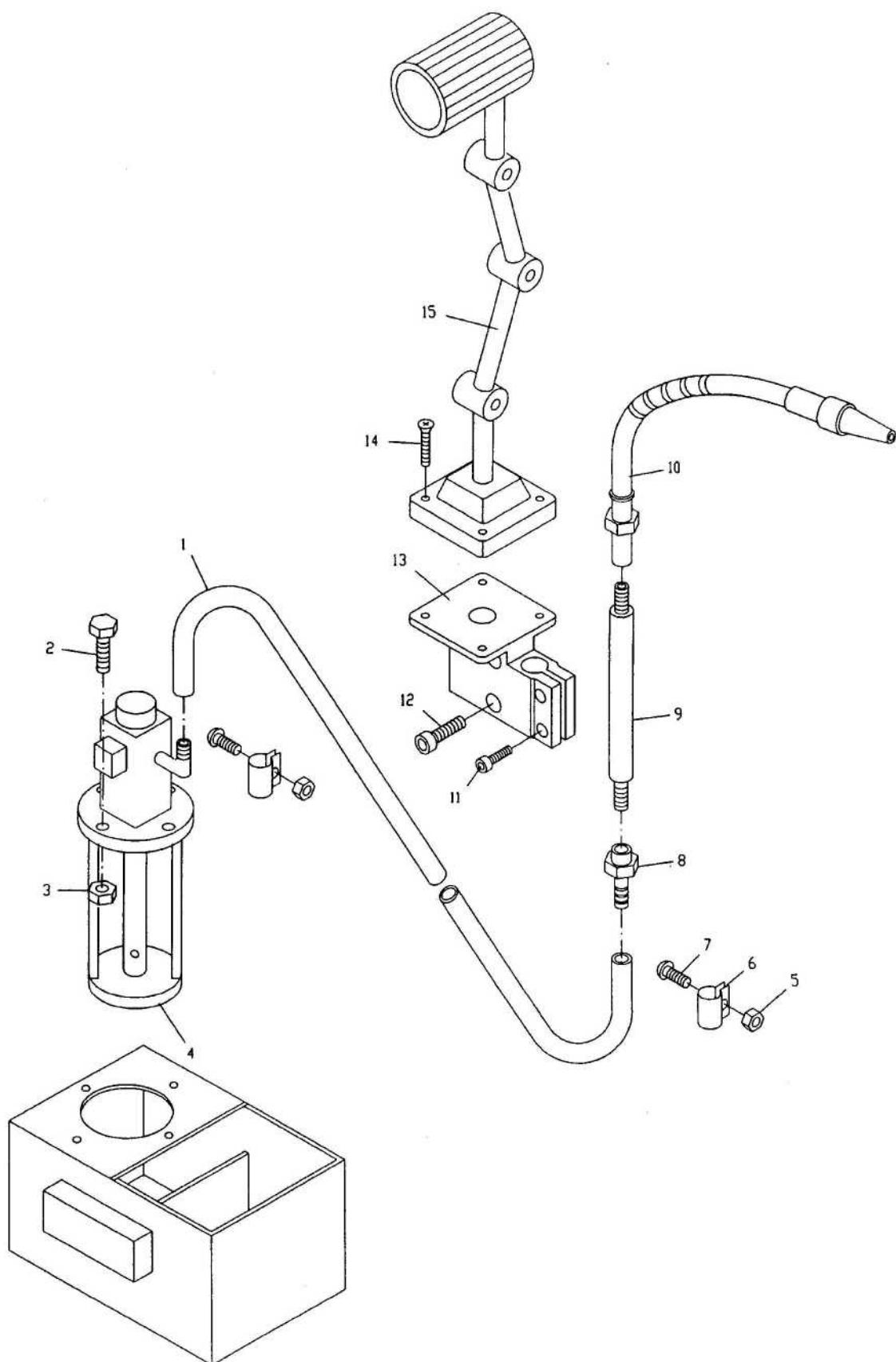
## Follow Rest Assembly



## Follow Rest Assembly

No.	Part No.	Description	Size	Qty.
1 .....	ZX-10710 .....	Screw.....		2
2 .....	ZX-10704 .....	Nut .....		2
3 .....	ZX-10707 .....	Sliding Sleeve.....		2
4 .....	ZX-10301 .....	Supporting Piece.....		2
5 .....	ZX-FR05 .....	Slotted Set Screw .....	M6x10.....	2
6 .....	ZX-10705 .....	Locking Screw .....		2
7 .....	ZX-10706 .....	Handle.....		2
8 .....	ZX-FR8 .....	Hex Cap Bolt .....	M12x55 .....	2
9 .....	ZX-10102A .....	Follow Rest Casting (for 14" models).....		1
.....	ZX-10102B.....	Follow Rest Casting (for 16" models).....		1
.....	ZX-10102C.....	Follow Rest Casting (for 18" models).....		1
.....	GH2280ZX-10102 .....	Follow Rest Casting (for 22" model) .....		1
.....	ZX-FRA14 .....	Follow Rest Assembly, 14" (includes #1-7,9) .....		
.....	ZX-FRA16 .....	Follow Rest Assembly, 16" (includes #1-7,9) .....		
.....	ZX-FRA18 .....	Follow Rest Assembly, 18" (includes #1-7,9) .....		
.....	ZX-FRA22 .....	Follow Rest Assembly, 22" (includes #1-7,9) .....		

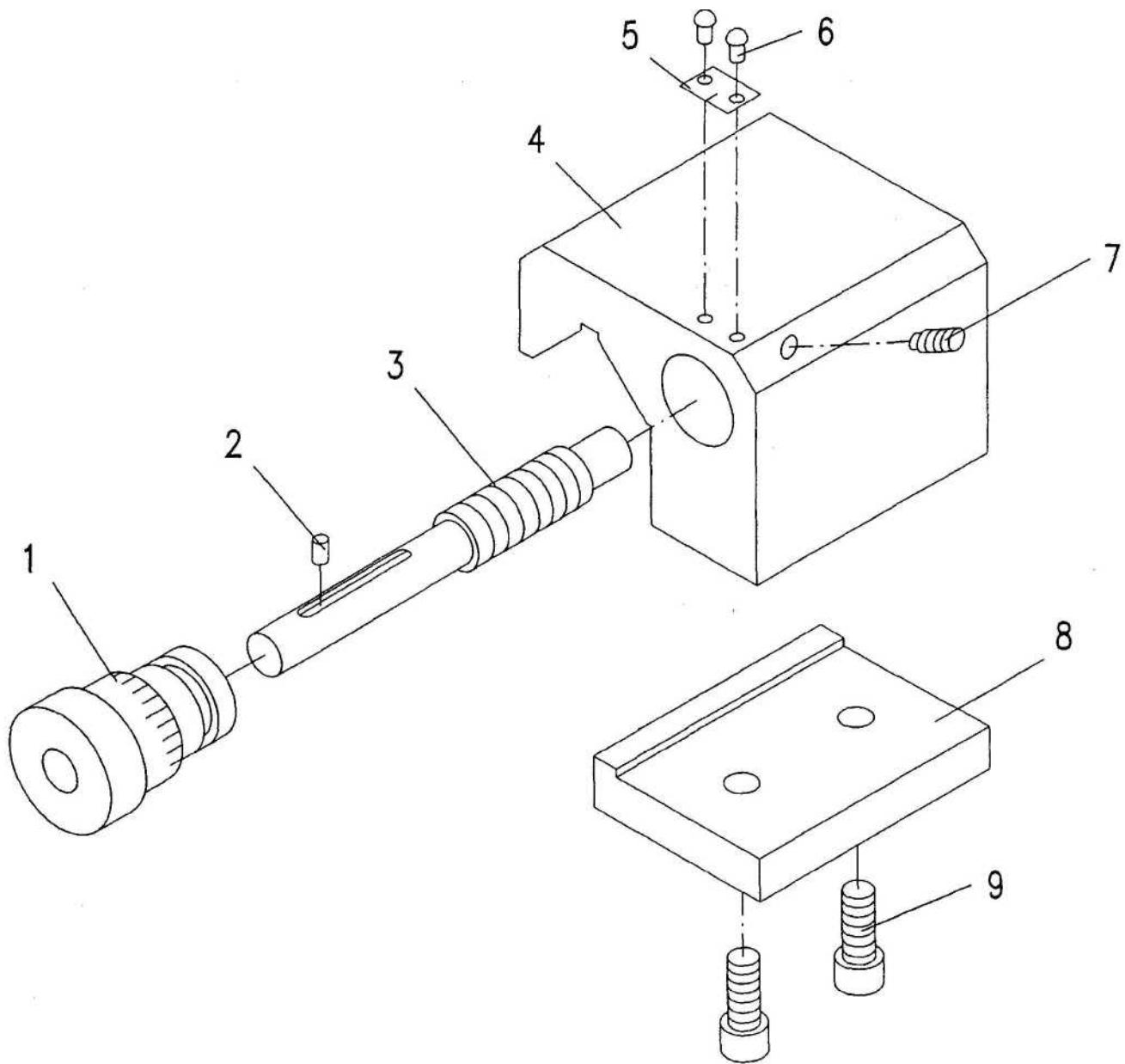
## Coolant & Work Light Assembly



## Coolant & Work Light Assembly

No.	Part No.	Description	Size	Qty.
1	RT-001A	Rubber Tube (for 1440/1640/1840ZX) .....	ID 1/2"x1280mm .....	1
	RT-001B	Rubber Tube (for 1460/1660/1860ZX) .....	ID 1/2"x1780mm .....	1
	RT-001C	Rubber Tube (for 1880/2280ZX) .....	ID 1/2"x2280mm .....	1
2	ZX-CW02	Hex Cap Bolt .....	M5x25 .....	4
3	ZX-CW03	Hex Nut .....	5 .....	4
4	ZX-CW04	Coolant Pump .....		1
5	ZX-CW05	Hex Nut .....	M6 .....	2
6	ZX-01727	Clip For Rubber Tube .....		2
7	ZX-CW07	Half Round Head Screw .....	M6x16 .....	2
8	ZX-01728	Fitting .....		1
9	ZX-01729	Flow Pipe .....		1
10	ZX-CW10	Coolant Device .....		1
	ZX-CW10-1	Coolant Tap .....	G 3/8"	1
11	TS-1514021	Hex Socket Cap Screw .....	M6x16 .....	2
12	TS-1515051	Hex Socket Cap Screw .....	M8x40 .....	2
13	ZX-CW13	Lamp Support .....		1
14	ZX-S04	Cross Head Screw .....	M6x14 .....	4
15	ZX-CW15	Lamp Frame .....		1
	ZX-CW16	Bulb .....	50W,AC24V .....	1
	ZX-LA	Light Assembly (includes # 13-15) .....		

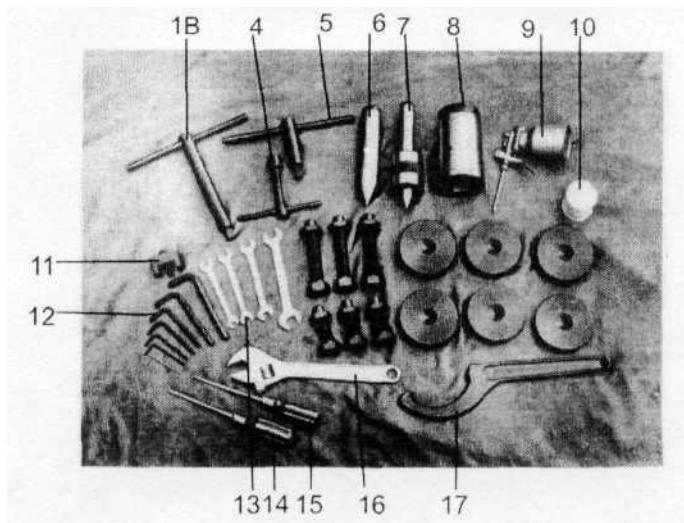
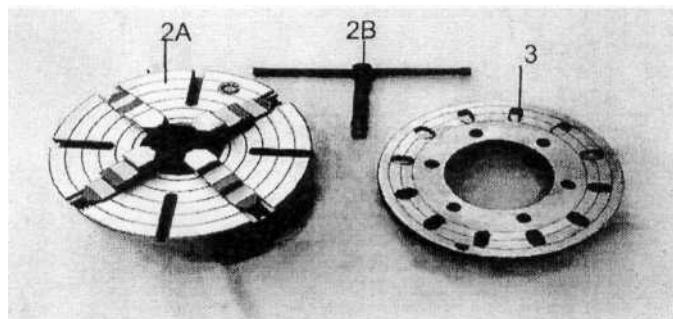
## Micro Carriage Stop



No.	Part No.	Description	Size	Qty.
1 .....	ZX-09709 .....	Dial.....		1
2 .....	ZX-MS2 .....	Pin .....	B4x8 .....	1
3 .....	ZX-09708 .....	Axle .....		1
4 .....	ZX-09105 .....	Stop.....		1
5 .....	ZX-03302 .....	Sign Plate .....		1
6 .....	ZX-MS6 .....	Nail .....	3x8 .....	2
7 .....	ZX-MS7 .....	Hex Socket Set Screw.....	M6x12 .....	1
8 .....	ZX-09106 .....	Clamping Plate .....		1
9 .....	ZX-MS9 .....	Hex Socket Cap Screw .....	M8x20 .....	2

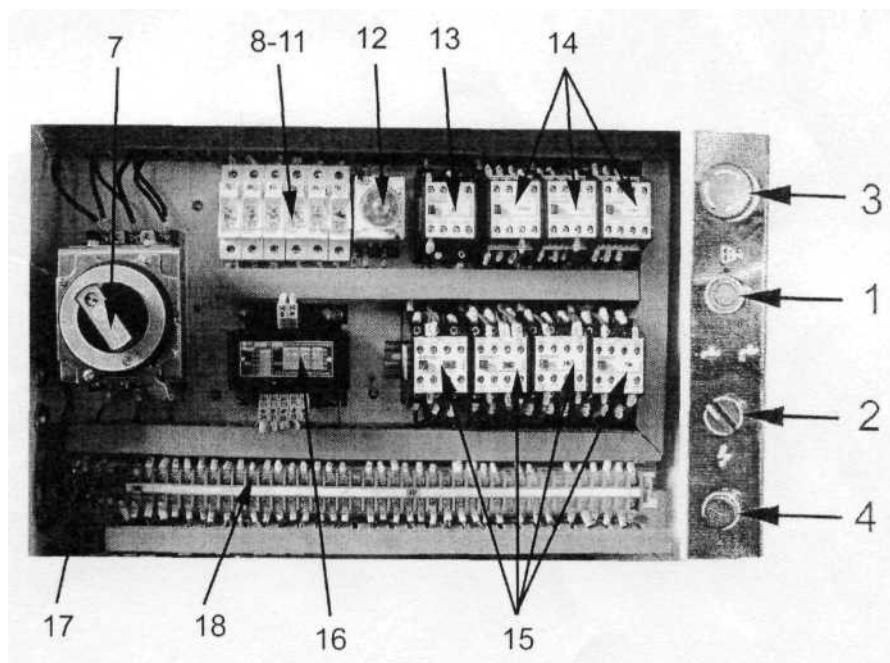
## Other Parts

No.	Part No.	Description	Size	Qty.
1A	ZX-OP-1A	3-Jaw Chuck (mounted on lathe)	10", D1-8	1
1B	ZX-OP-1B	Chuck Wrench		1
2A	ZX-OP-2A	4-Jaw Chuck	12", D1-8	1
2B	ZX-OP-2B	Chuck Wrench		1
3	ZX-OP-03	12" Face Plate (for 14716" models)		1
	ZX-OP-03N	16" Face Plate (for 18"/22" models)		1
4	ZX-OP-04	Tool Tightening Wrench		1
5	ZX-OP-05	Cam Tightening Wrench		1
6	ZX-OP-06	Center		1
7	ZX-OP-07	MT-4 Live Center (for 14716" models)		1
	ZX-OP-07N	MT-5 Live Center (for 18"/22" models)		1
8	ZX-OP-08	Morse Reduction Sleeve		1
9	ZX-OP-09	Oil Gun		1
10	ZX-OP-10	Touchup Paint Can		1
11	ZX-OP-11	Gap Bridge Pin Driver		1
12	ZX-OP-12	Hex Wrench	2.5,4,5,6,8,10	1
13	ZX-OP-13	Double End		1
14	ZX-OP-14	Flat Blade Screw Driver		1
15	ZX-OP-15	Cross Point Screw Driver		1
16	ZX-OP-16	Adjustable Wrench		1
17	ZX-OP-17	Round Nut Wrench		1
	ZX-14/16TBCP	Tool Box Complete (not shown)	ZX-14"/16"	
	ZX-18TBCP	Tool Box Complete (not shown)	ZX-18"/22"	



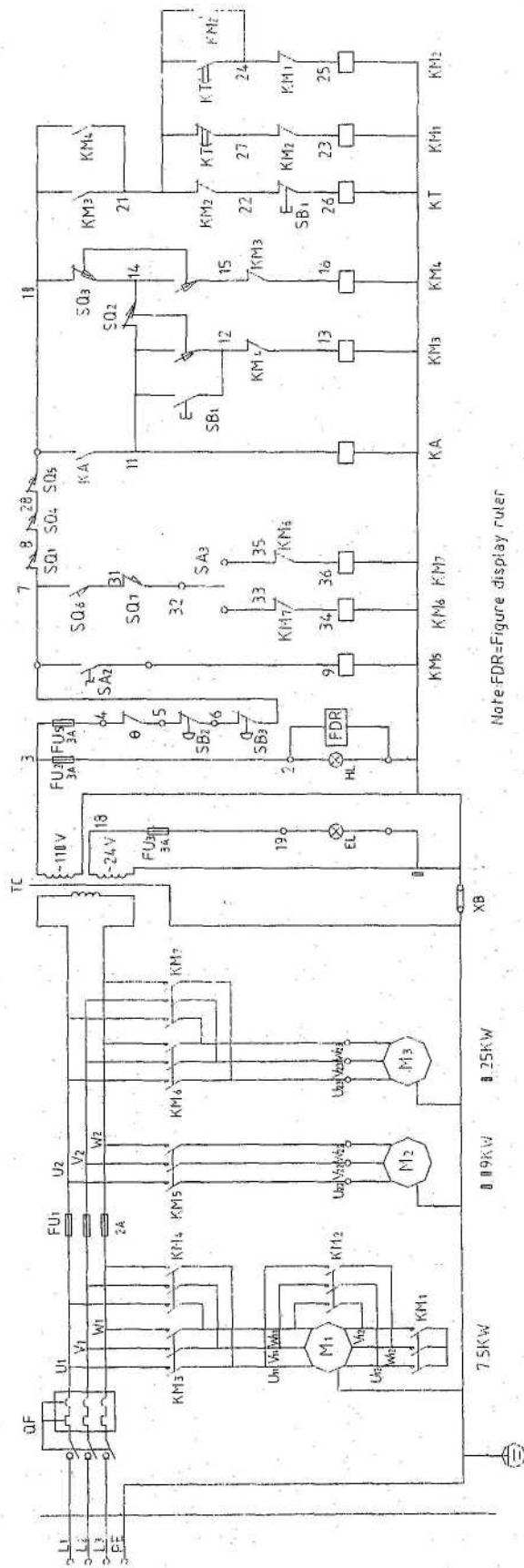
## Electrical Cabinet

No.	Part No.	Description	Size	Qty.
1	ZX-SB1E	Jog Button .....	LAY3-11.....	1
2	ZX-SA2E	Coolant Control Button.....	LAY3-11X/2.....	1
3	ZX-SB2E	Emergency Stop .....	LAY3-01ZS/1.....	1
4	ZX-HLE	Power Indicator Light.....	AD11-30/201 .....	1
5	ZX-SB3E	Emergency Stop .....	LAY3-01ZS/1.....	1
6	ZX-SA3E	Turning Switch .....	ZB2-BZ101C1.....	1
7	ZX-QF	MasterSwitch (40A) .....	DZ15-40.....	1
8	zx-fu1	Fuse(3A).....	jrt1-i6a"	1
9	ZX-FU2	Fuse(2A).....	JRT1-16A.....	1
10	ZJ-FU3	Fuse(3A).....	JRT1-16A.....	1
11	ZX-FU5	Fuse(3A).....	JRT1-16A.....	1
	ZX-FBE	Fuse Block .....		1
12	ZX-KTE	Time Relay .....	ST3P .....	1
13	ZX-KAE	Relay .....	3TB80 .....	1
14	ZX-KM5-KM7E	A.C. Contactor .....	3TB40 .....	3
15	ZX-KM1-KM4E	A.C. Contactor .....	3TB43 .....	4
16	ZX-TCE	Control Transformer .....	JBK3-100TH .....	1
17	ZX-XBE	Copper Plate (for grounding) .....		1
18	ZX-XT1E	Wiring Board .....		1
19	SQ1.SQ6E	Stroke Switch.....	LXW5-11N1.....	2
20	SQ2SQ3E	Stroke Switch.....	LXW5-11D1.....	2
21	SQ4SQ7E	Stroke Switch.....	LXW5-11Q1.....	2
22	SQ5E	Stroke Switch.....	LXW3 .....	1
23	ZX-QE	Temperature Relay.....	JW6 .....	1

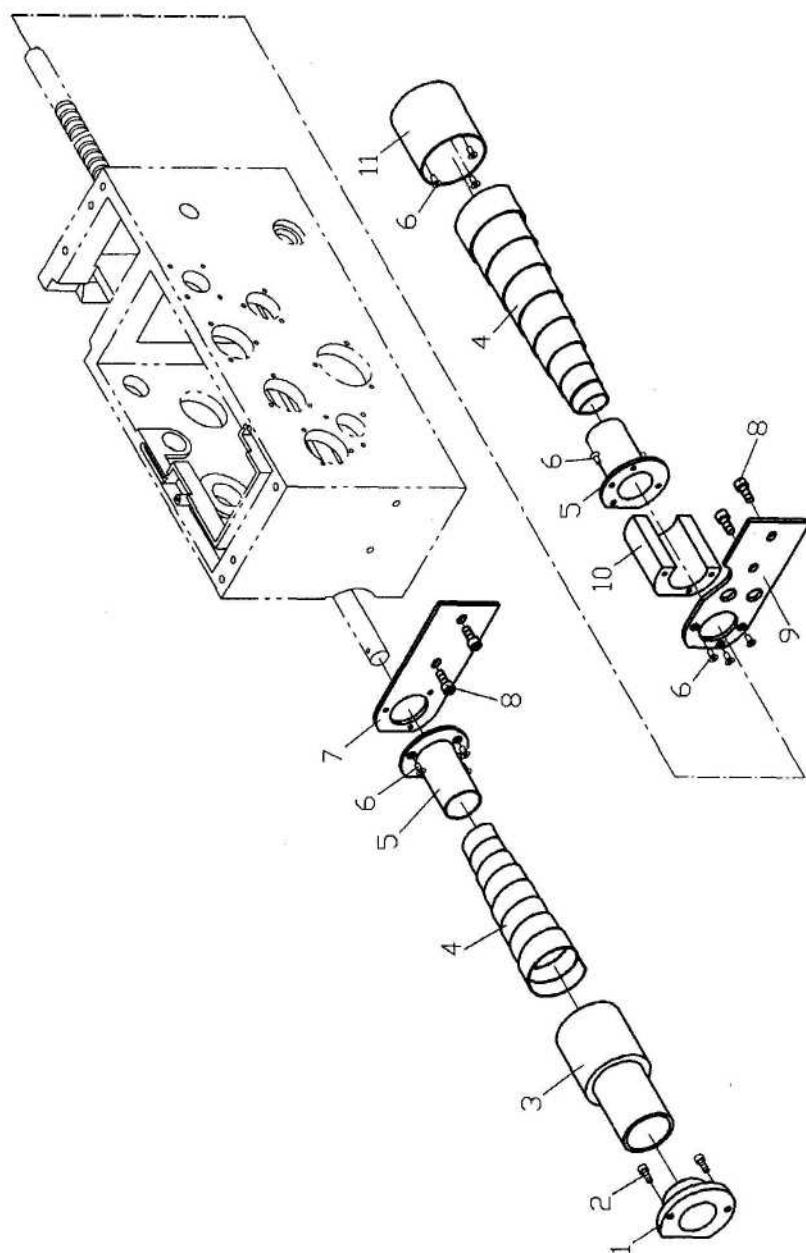


# Wiring Diagram

Wiring Diagram

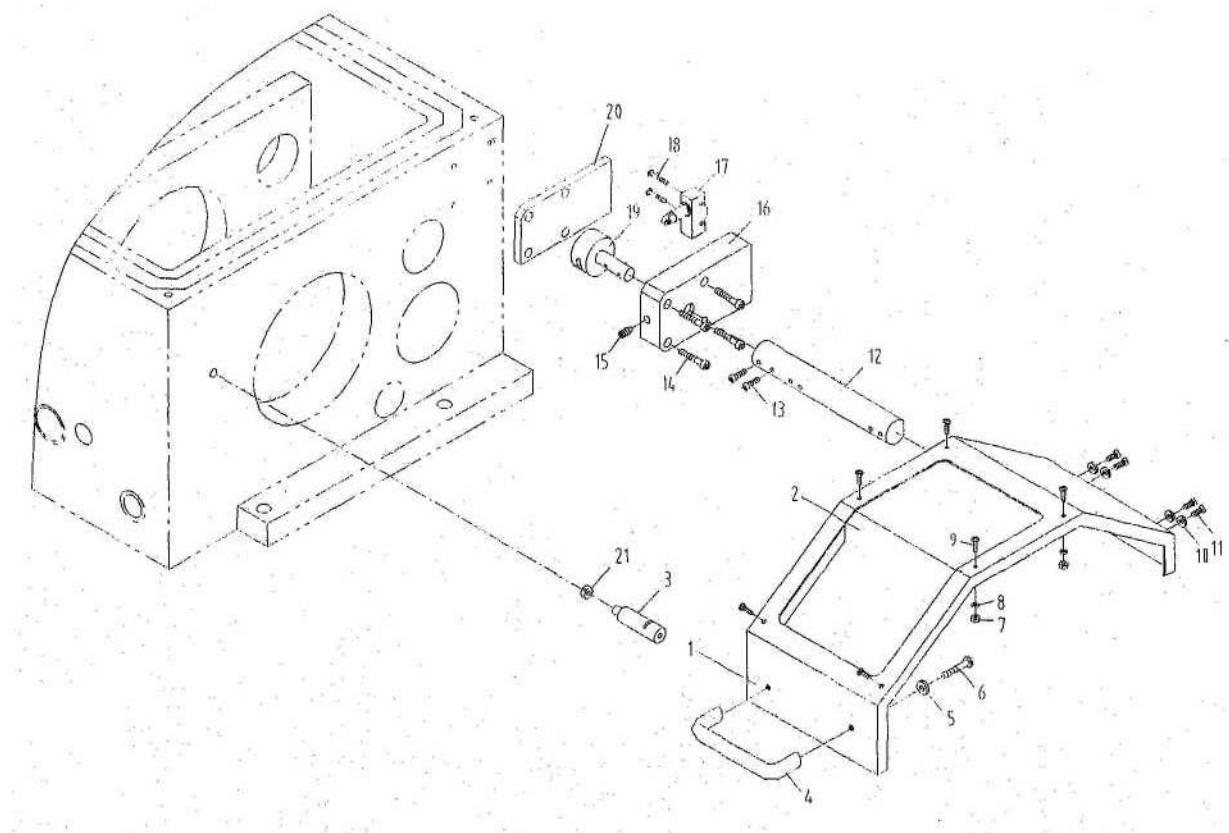


## Parts List for Lead Screw Protection Device



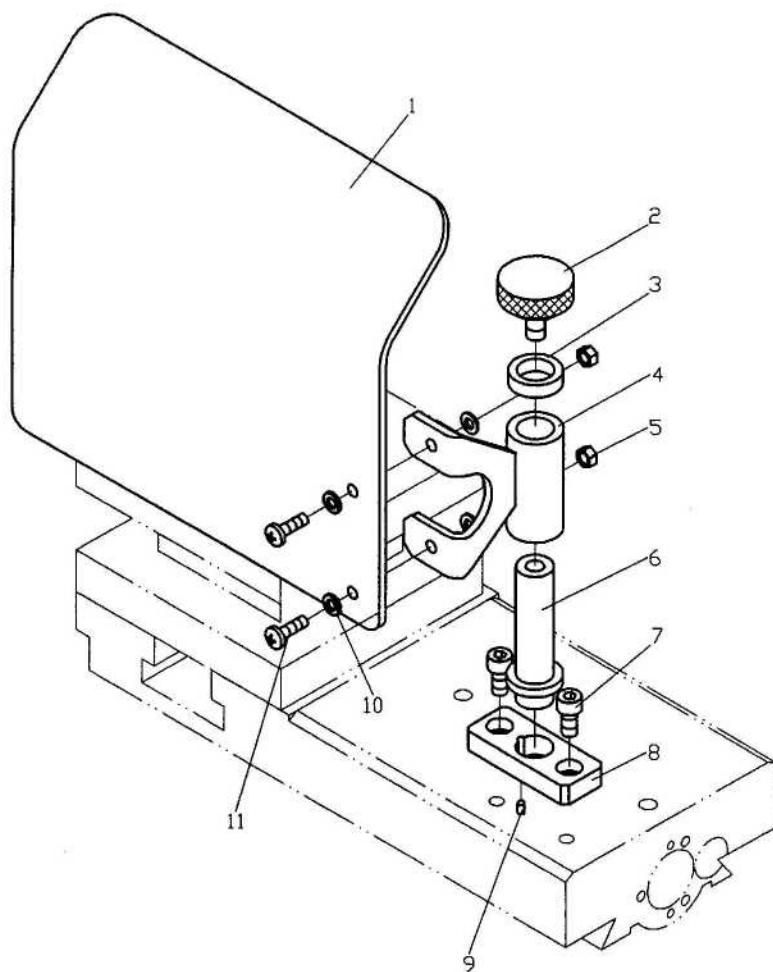
No.	Part No.	Description	Size	Qty.
1 .....	1440R-07101 .....	Cover .....		1
2 .....	GB819 .....	Cross Recessed Head Screw .....	M5x12 .....	2
3 .....	1440R-07701A .....	Left Flange .....		1
4 .....	LGB45-1000-100...	Telescoping Sheet Cover(1000 Size) .....		2
	LGB45-1500-120...	Telescoping Sheet Cover(1500 Size) .....		2
5 .....	1440R-07702A .....	Flange .....		1
6 .....	GB819 .....	Cross Recessed Head Screw .....	M5x12 .....	10
7 .....	1440R-07703A .....	Left Bracket .....		1
8 .....	GB70 .....	Hex Socket Cap Screw .....	M8x20 .....	4
9 .....	1440R-07704A .....	Right Bracket .....		1
10 .....	1440R-07706A .....	Sleeve .....		1
11 .....	1440R-07705A .....	Right Flange .....		1

## Safety Guard Cover



No.	Part No.	Description	Size	Qty.
1	ZX-19701E	Protection guard .....		1
2	ZX-19501E	Protection guard visual glass.....		1
3	ZX-19704E	Fixing rod .....		1
4	ZX-S04E	Handle.....	Z96-6	1
5	ZX-S05E	Plain washers .....	6	2
6	ZX-S06E	Cross recessed pan head screws.....	M6x12	2
7	ZX-S07E	Hexagon thin huts.....	M4	6
8	ZX-S08E	Plain washers .....	4	6
9	ZX-S09E	Cross recessed pan head screws.....	M4x12	6
10	ZX-S10E	Plain washers .....	5	4
11	ZX-S11E	Hexagon socket cap head screws.....	M5x16	4
12	ZX-19703E	Rest bar.....		1
13	ZX-S13E	Slotted set screws.....	M8x10	2
14	ZX-S14E	Hexagon socket cap head screws.....	M6x35	4
15	ZX-S15E	Hexagon socket set screws .....	M8x16	1
16	GH1440A-19101E	Switch box .....		1
17	ZX-S17E	Stroke switch .....	LXW5-11Q1	1
18	ZX-S18E	Slotted pan head screws .....	M4x25	2
19	ZX-19702E	Shaft.....		1
20	ZX-19502E	Washer.....		1
21		Nut .....	M8	1

## Parts List for Toolpost Protection device



No.	Part No.	Description	Size	Qty.
1	GH-1640ZX-20501	Shield.....		1
2	GH-1640ZX-20701	Clamping Screw.....		1
3	GH-1640ZX-20703	Washer.....		1
4	GH-1640ZX-20704	Sleeve.....		1
5	GB6170	Nut .....	M6 .....	2
6	GH-1640ZX-20705-1	Bracket.....		1
7	GB70	Hex Socket Cap Screw .....	M8x16 .....	2
8	GH-1640ZX-20705-2	.....	Bracket.....	1
9	GB71	Slotted Set Screw .....	M4x8.....	1
10	GB97	Washer .....	6 .....	4
11	GB818	Cross Recessed Pan Head Screw .....	M6x20 .....	2