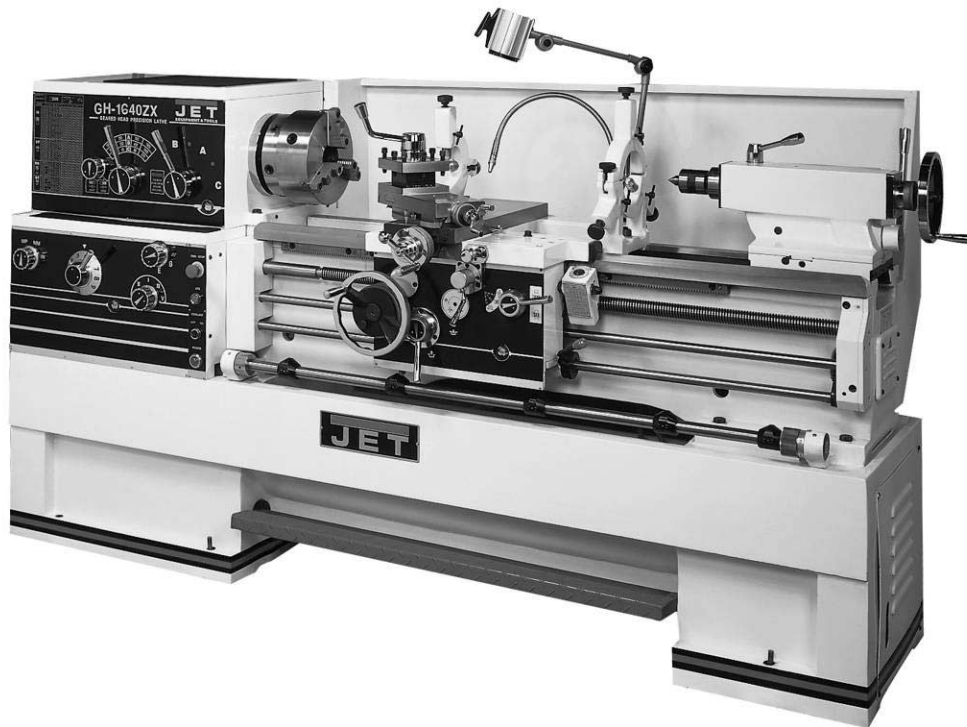




Parts List ZX Series Lathes



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Part No. M-321910-1

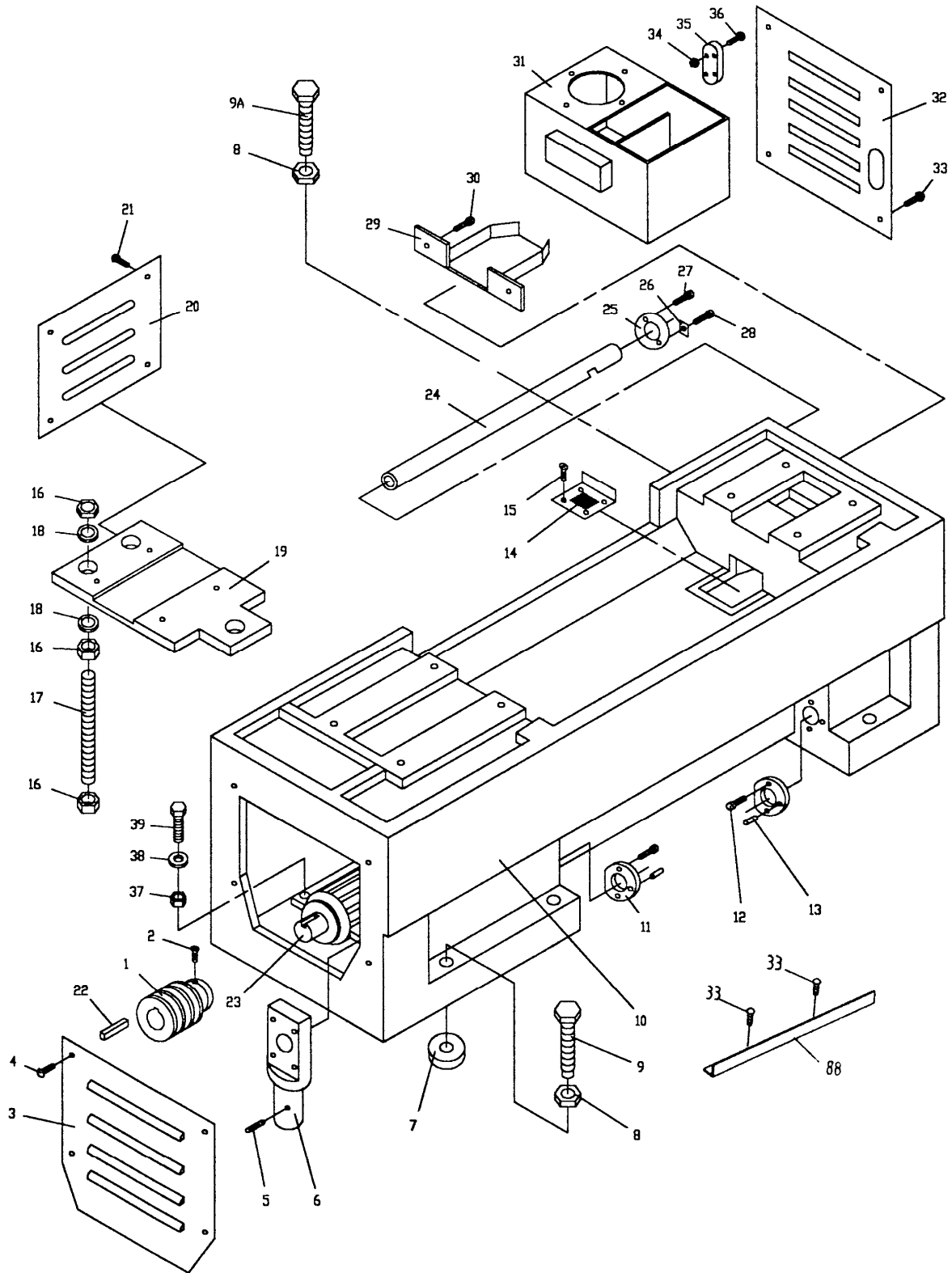
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Stand Assembly

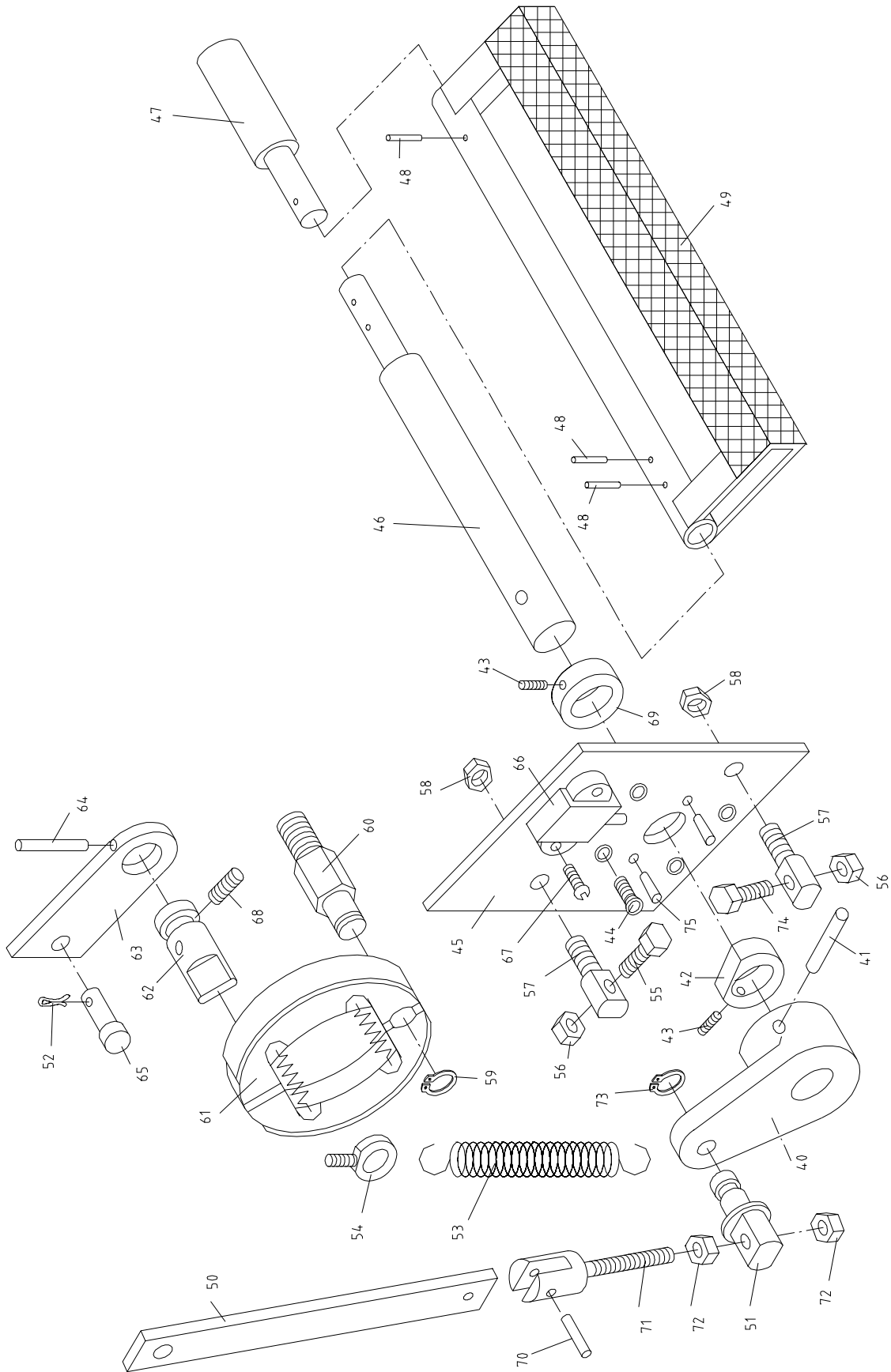


Stand Assembly

Index 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.....		2
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

Index 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

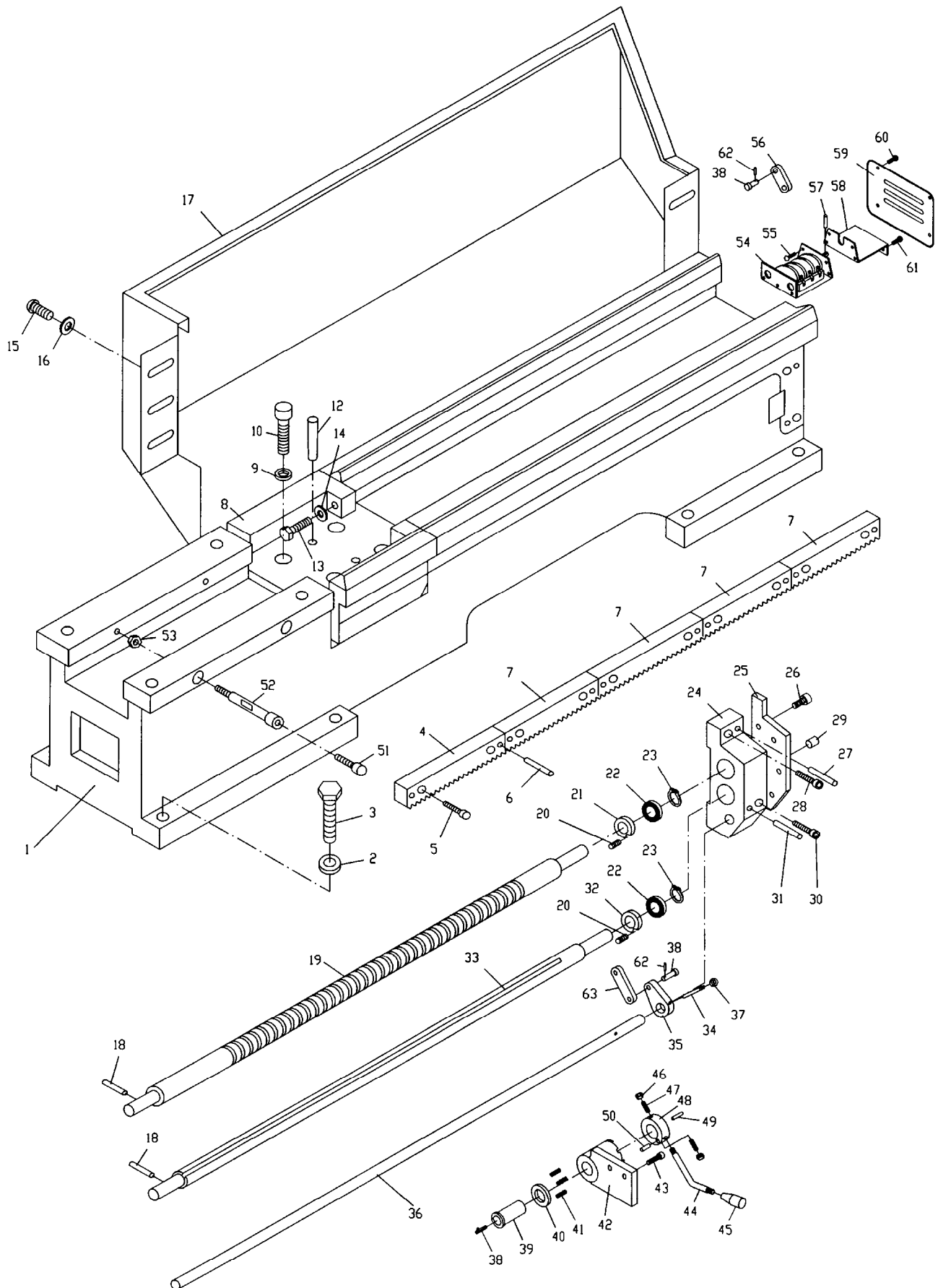
Brake Assembly



Brake Assembly

Index 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.....	Socket 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
47.....	ZX-22705A.....	Driving Shaft.....		1
48.....	ZX-S48.....	Spring Pin.....	5x30.....	3
49.....	ZX-22712A.....	Pedal (for 1440/1640/1840ZX).....		1
.....	ZX-22712B.....	Pedal (for 1460/1660/1860ZX).....		1
.....	ZX-22712C.....	Pedal (for 1880/2280ZX).....		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
.....	GH2280ZX-22710.....	Draw Bar (for 22" model).....		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.....	TS-149006.....	Hex Cap Screw.....	M8x35.....	1
75.....	ZX-S75.....	Taper Pin.....	5x20.....	2

Bed Assembly

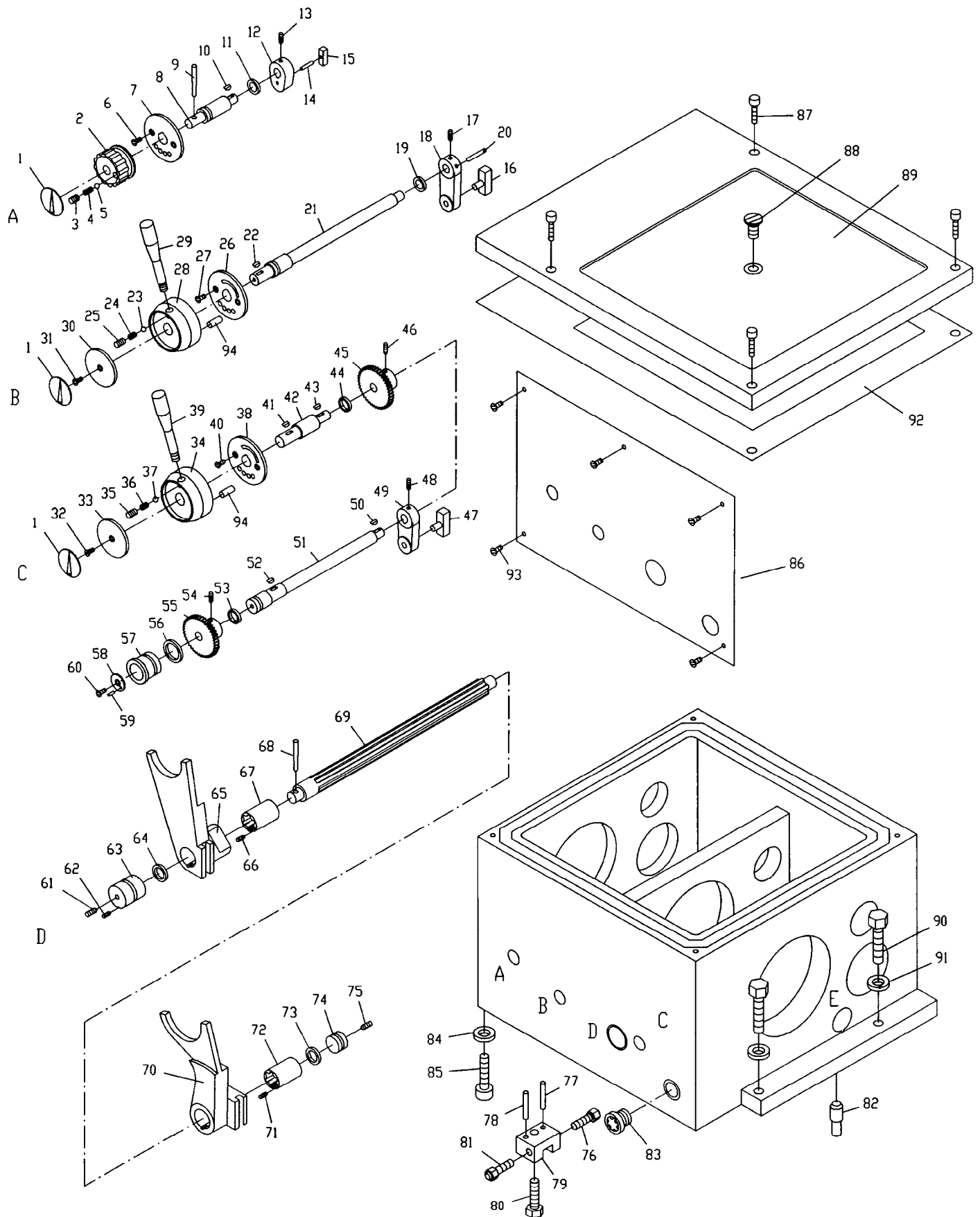


Bed Assembly

Index 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 (for 1880/2280ZX).....		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).....	M10x35.....	10
.....		Hex Socket Cap Screw (for 1460/1660/1860ZX).....	M10x35.....	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.....	M10x60.....	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.....	GH2280ZX-1230.....	Socket Cap Screw.....	M10x100.....	1
31.....	ZX-B31.....	Taper Pin.....	6x100.....	1

Index 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

Headstock Assembly I

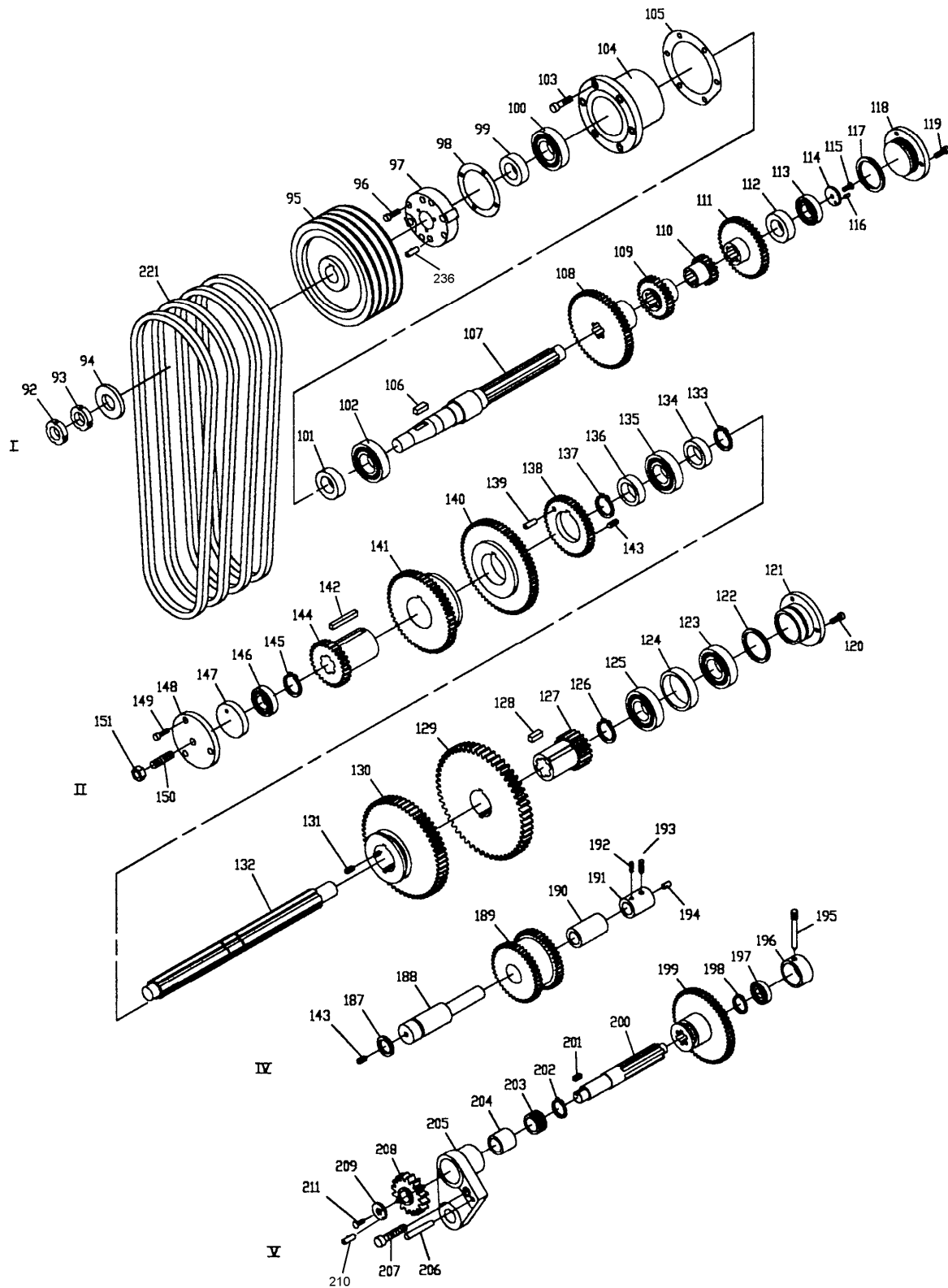


Headstock Assembly I

Index 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

Index 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-02115C.....	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-02301.....	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

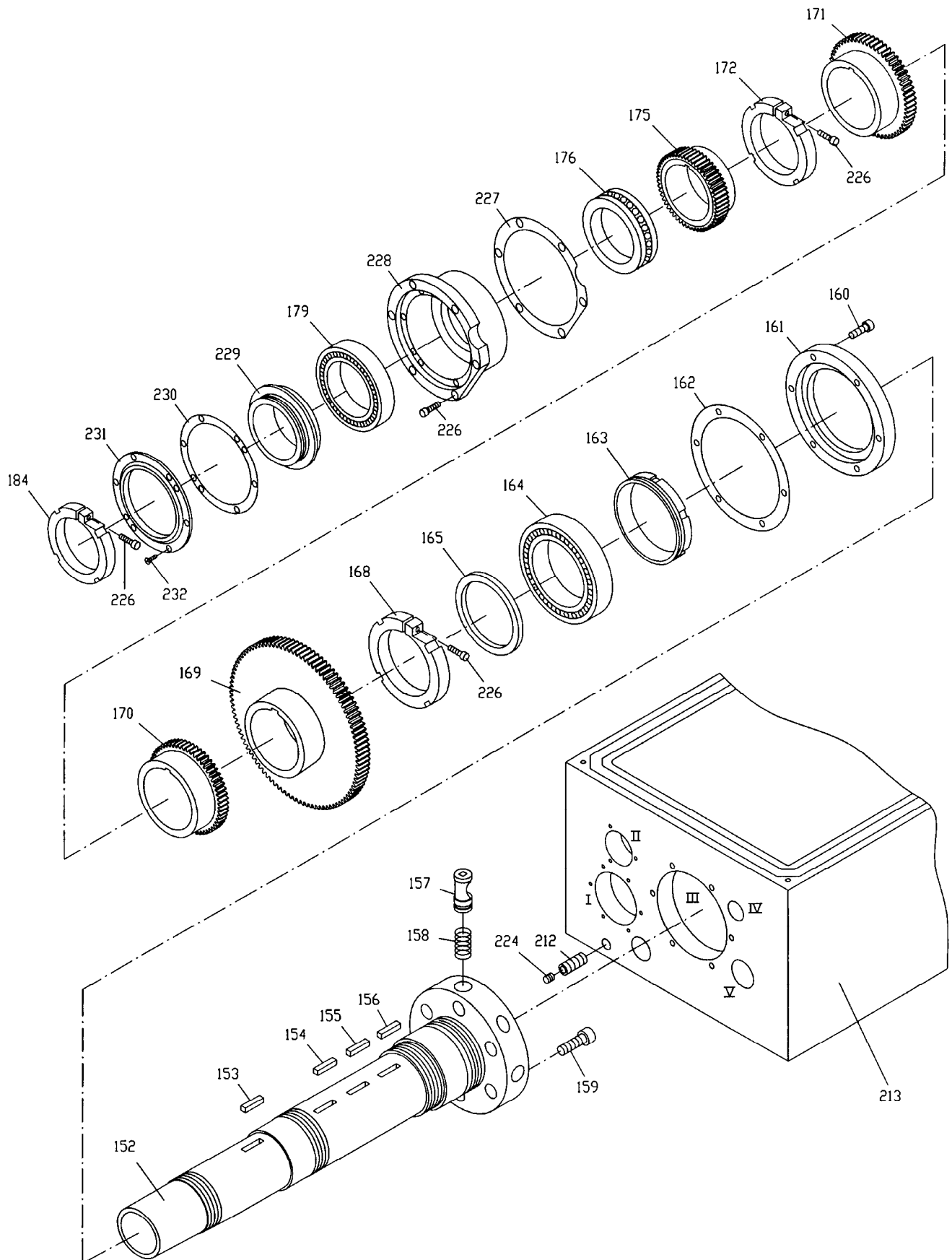


Headstock Assembly II

Index 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 16"/18"/22" 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 16"/18"/22" 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

Index 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 16"/18"/22" 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 14"/16"/22" models)	3.5m16T	1
	TNMP-08706B(N)	Gear (for 18" models)	4m16T	1
209	ZX-02724C	Washer		1
210	ZX-H59	Pin	3n6x10	1
211	ZX-H211	Countersunk Head Screw	M5x16	1
221	VB-A75	V-Belt (for 14" models)	A-75	4
	VB-A76	V-Belt (for 16" models)	A-76	4
	VB-A77	V-Belt (for 18" models)	A-77	4
	VB-A85	V-Belt (for 22" model)	A-85	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	8×30	2

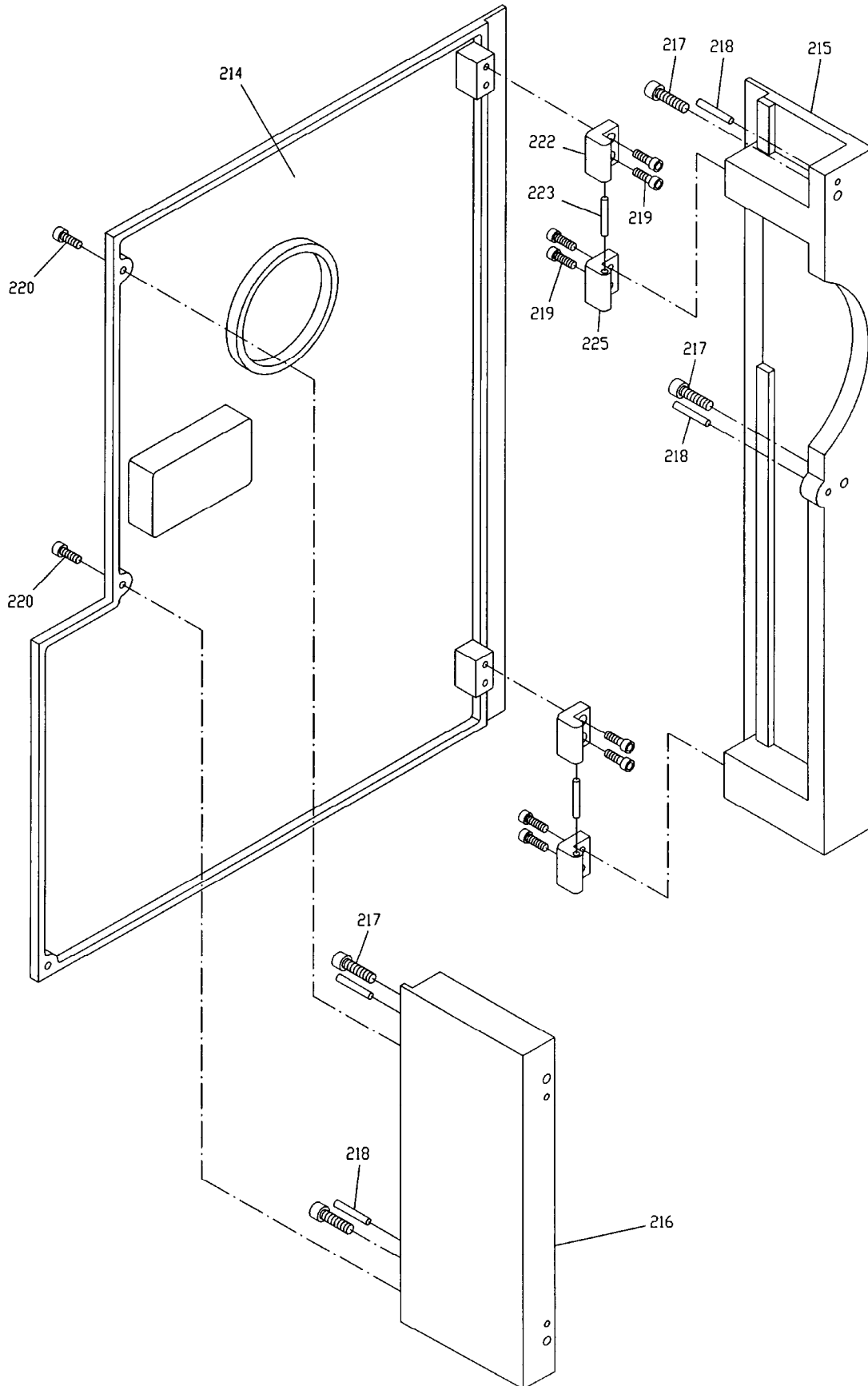
Headstock Assembly III



Headstock Assembly III

Index 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)	Z3/8"	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

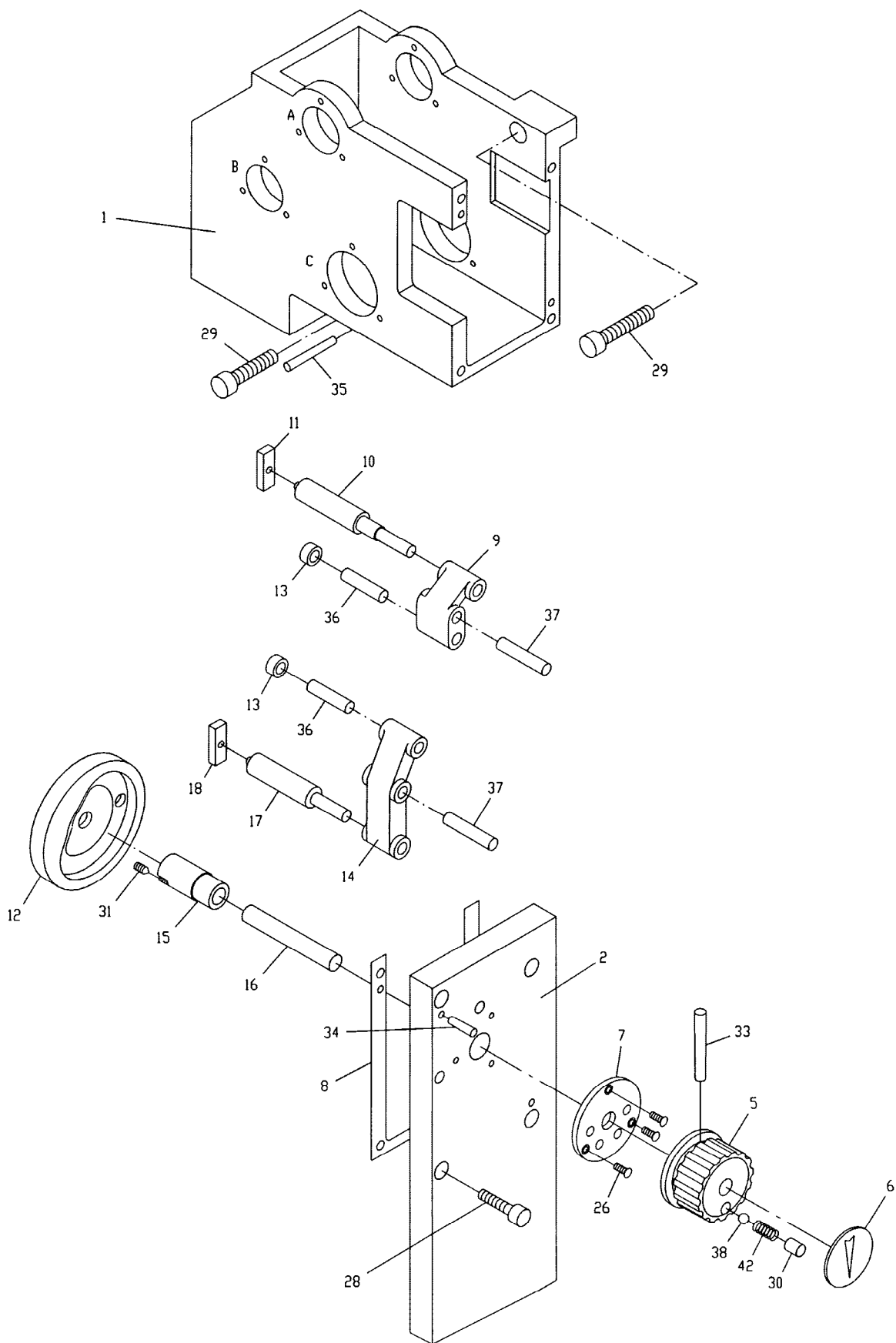
Headstock Assembly IV



Headstock Assembly IV

Index 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

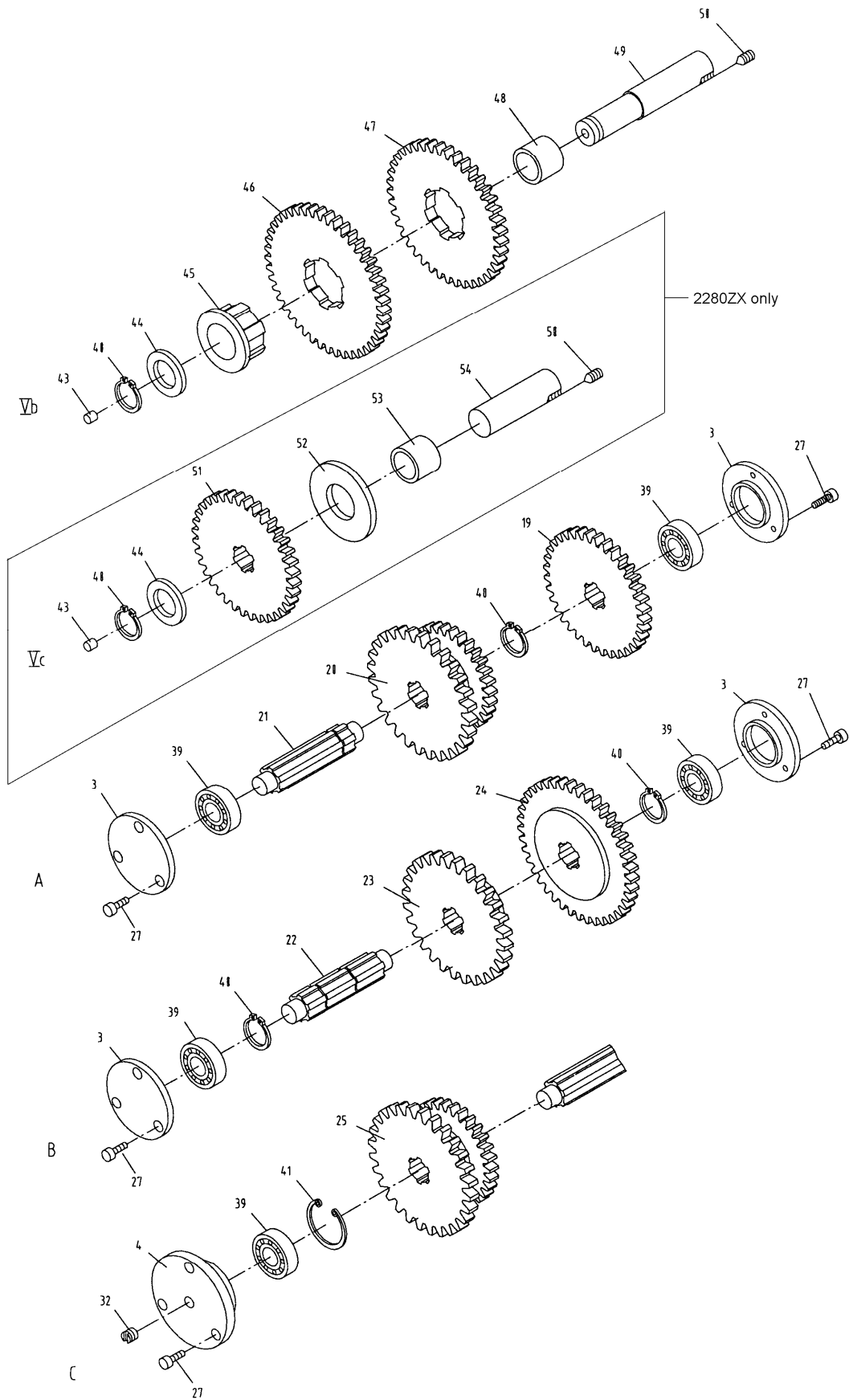
Change Gear Box Assembly I



Change Gear Box Assembly I

Index 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

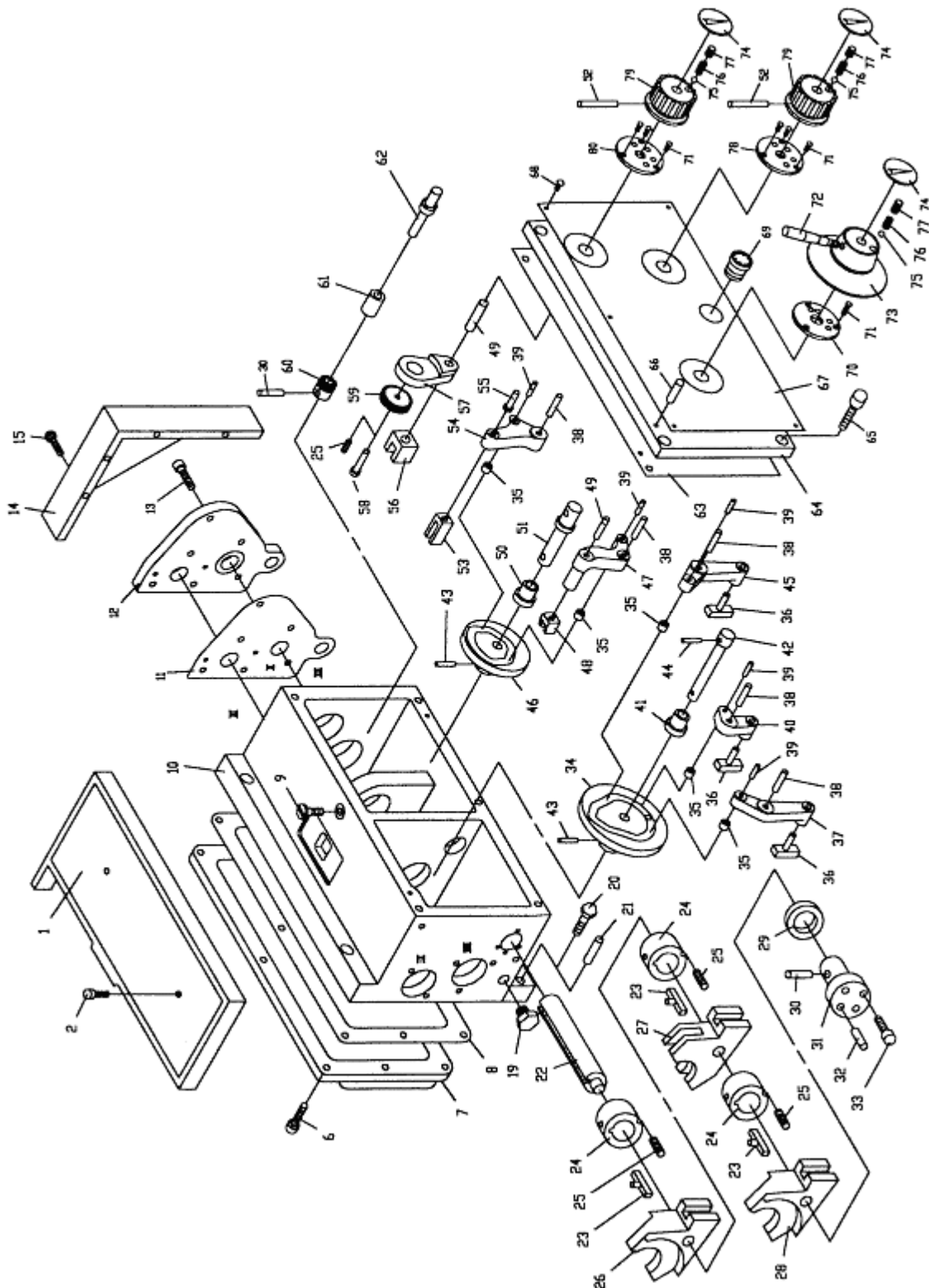
Change Gear Box Assembly II



Change Gear Box Assembly II

Index 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	3m41T.....	1
47.....	TNMP08501A	Gear (for 14"/16"/22" models)	3.5m36T.....	1
.....	TNMP08501B	Gear (for 18" models)	4m36T.....	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

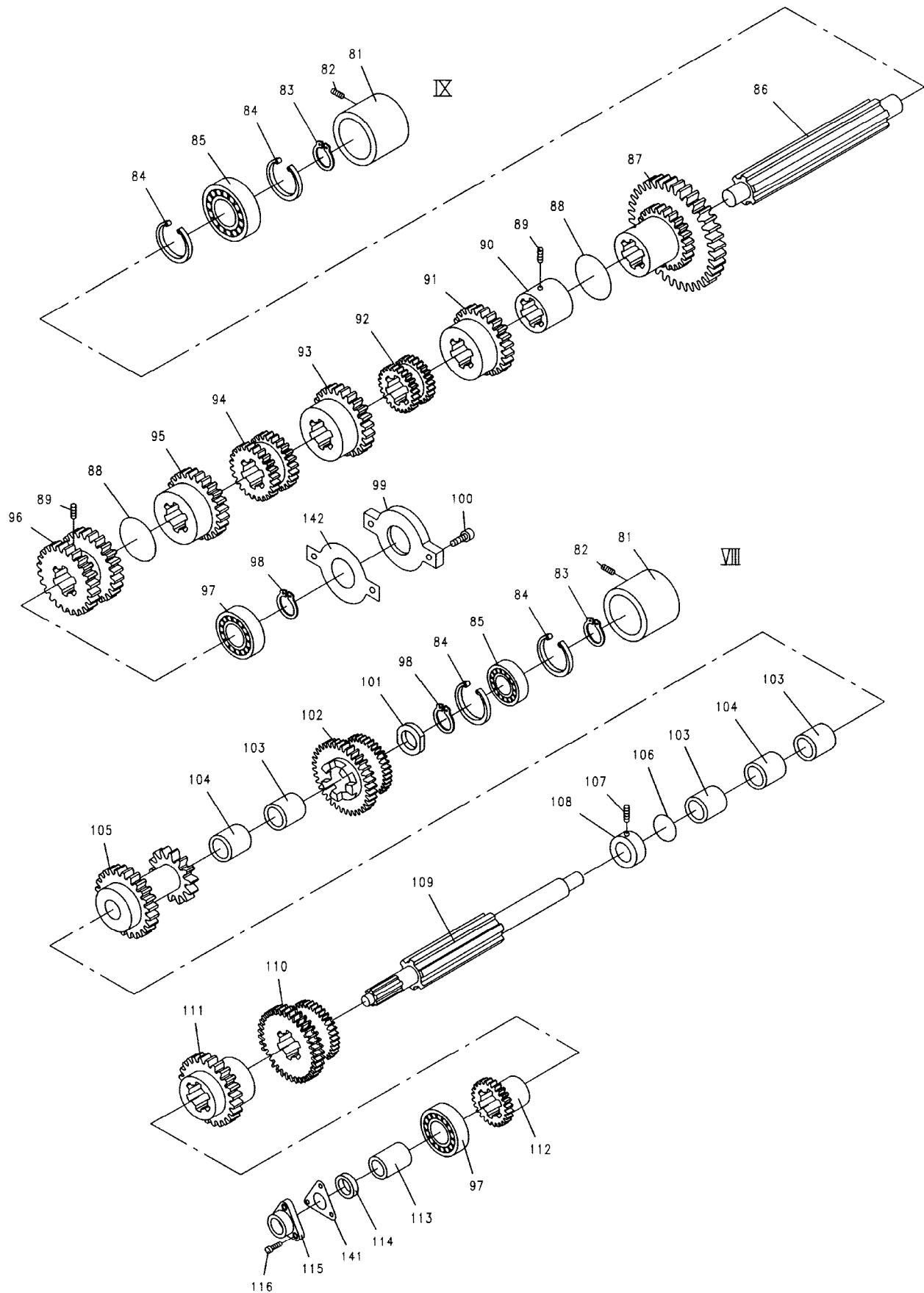


Quick Change Gear Box I

Index No.	Part No.	Description	Size	Qty.
1.....	ZX-05153A	Upper Cover.....		1
2.....	TS-1503071	Hex Socket Cap Screw.....	M6x30	2
6.....	TS-1504031	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-1504031	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

Index 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-1505021	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

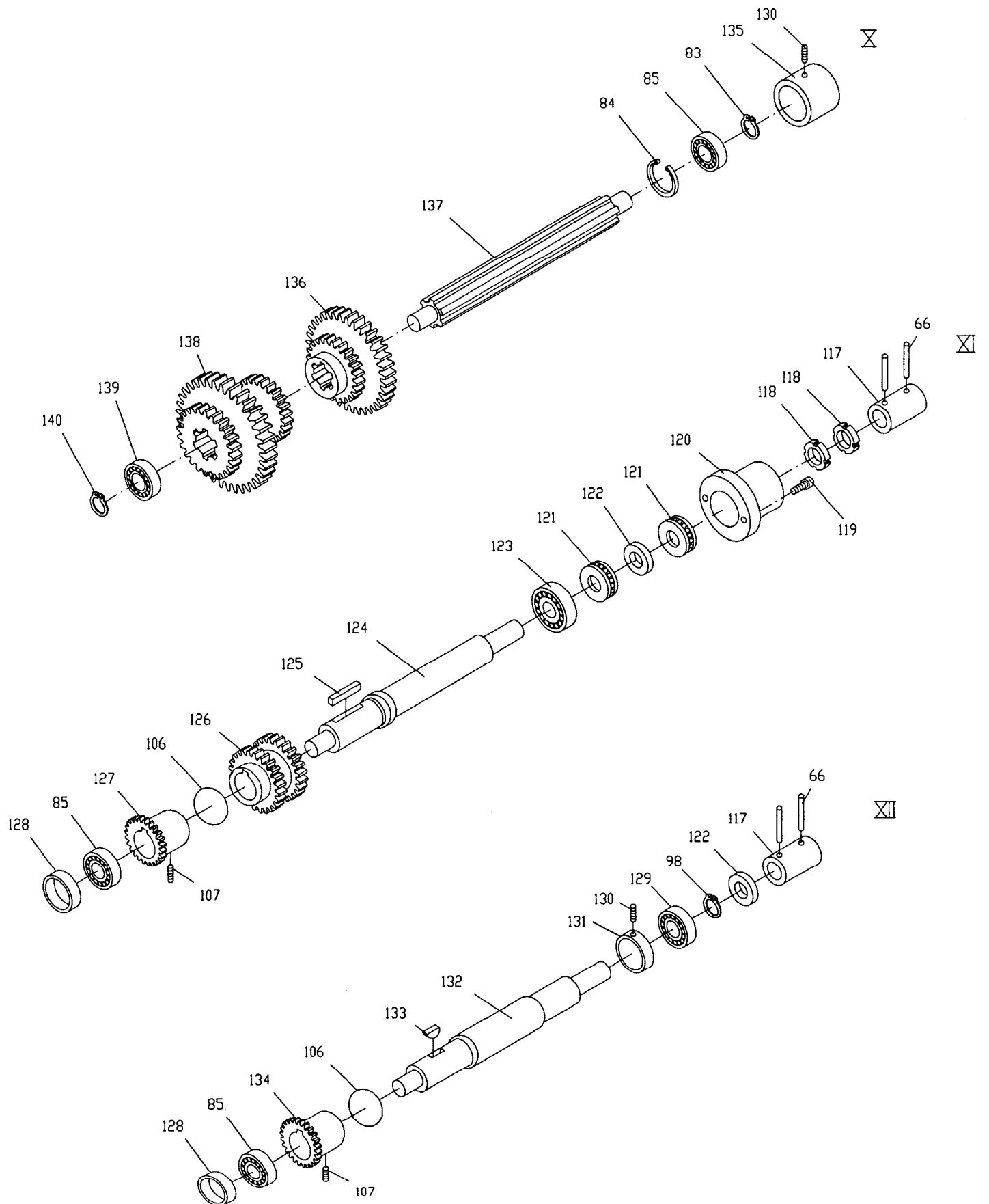
Quick Change Gear Box II



Quick Change Gear Box II

Index 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-1504041.....	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-1504051.....	Hex Socket Cap Screw.....	M8x25	3
141.....	ZX-05504.....	Gasket.....		1
142.....	ZX-05505.....	Gasket.....		1

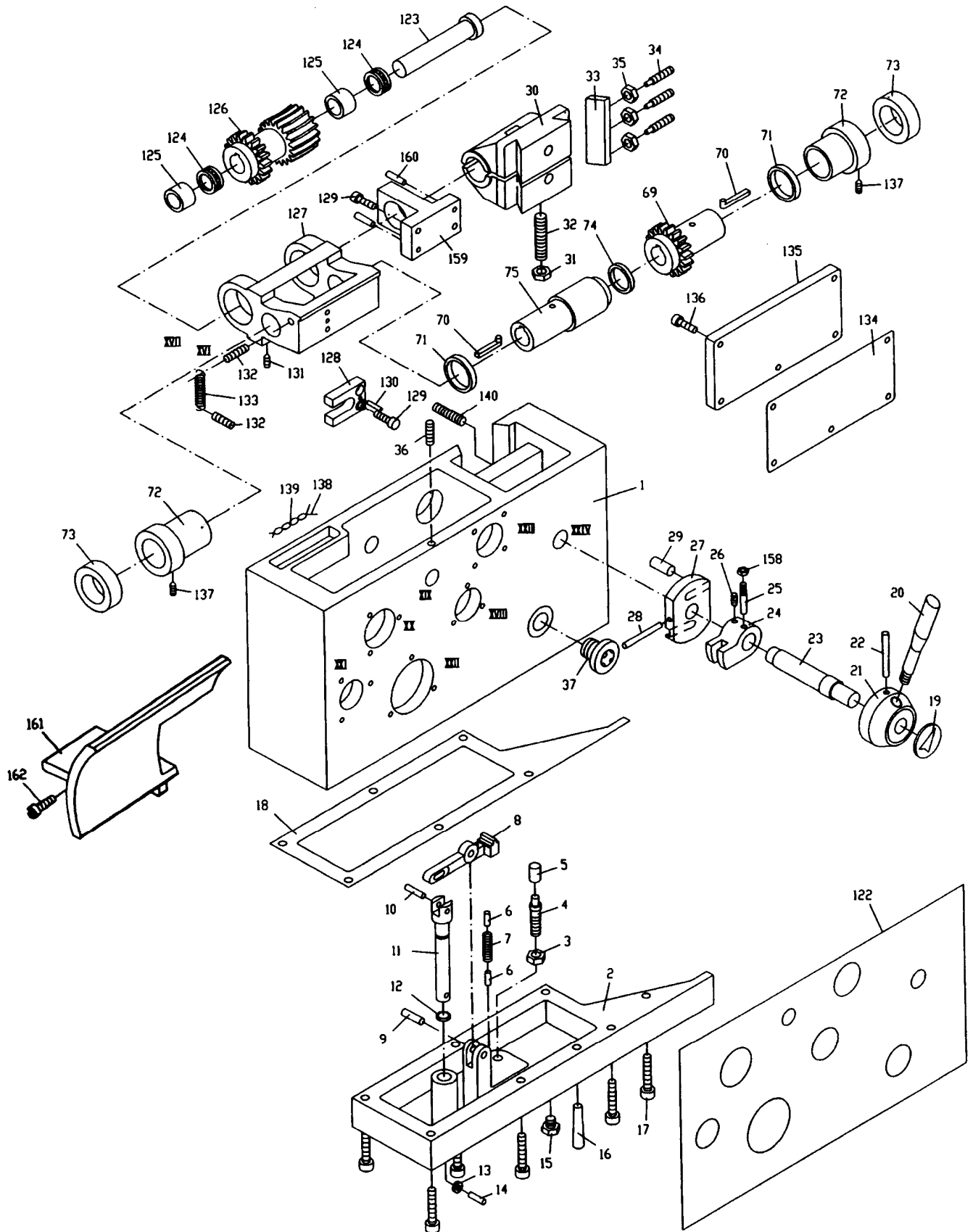
Quick Change Gear Box III



Quick Change Gear Box III

Index 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-05114C.....	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

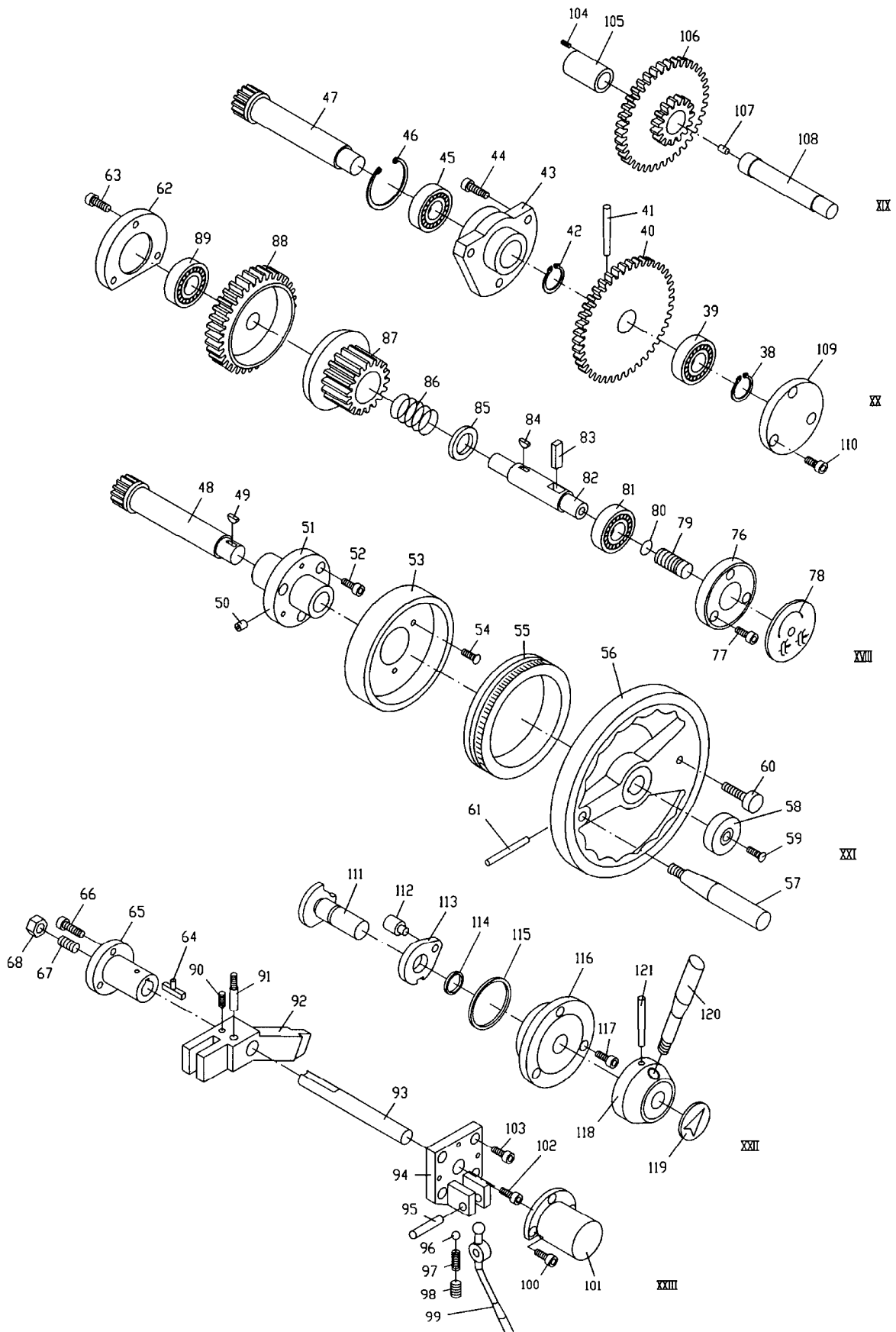


Apron Assembly I

Index No.	Part No.	Description	Size	Qty.
1.....	TL06101	Apron Casting.....		1
2.....	TL06103	Bottom Cover		1
3.....	TS-1540072	Hex Nut	M10.....	1
4.....	ZX-A4	Flat Head Set Screw.....	M10x70	1
5.....	TL06502	Cushion Cap		1
6.....	ZX-A6	Pin.....	6n6x16	2
7.....	ZX-A7	Tensile Spring.....	YI1.2x9x50	1
8.....	TL06734	Lever		1
9.....	ZX-A9	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-A6	Pin.....	6n6x16	1
15.....	ZX-A15	Drain Plug	Z 1/4"	1
16.....	ZX-B34	Taper Pin.....	5x30	2
17.....	TS-1504041	Hex Socket Cap Screw.....	M8x20	6
18.....	TL06501	Gasket.....		1
19.....	TL06307	Sign Plate.....		1
20.....	TL06716	Lever		1
21.....	ZX-06122	Lever Support.....		1
22.....	ZX-B27	Taper Pin.....	6x60	1
23.....	TL06717	Half Nut Shaft.....		1
24.....	TL06111	Positioning Block		1
25.....	ZX-A25	Thread Tail Taper Pin.....	6x25	1
26.....	TS-1523031	Set Screw.....	M6x10	1
27.....	ZX-06733	Half Nut Control Plate		1
28.....	ZX-A28	Taper Pin.....	6x55	1
29.....	ZX-06732	Pin.....		2
30.....	ZX-06302	Half Nut (serial # 010611ZX349 and lower)		1
.....	ZX-06302N	New Half Nut (serial # 010618ZX350 and higher)		1
31.....	TS-1540072	Hex Nut	M10.....	1
32.....	ZX-A32	Cylindrical End Set Screw.....	M10x60	1
33.....	ZX-06121	Gib		1
34.....	ZX-06731	Cylindrical End Set Screw.....		3
35.....	TS-1540061	Hex Nut	M8.....	3
36.....	ZX-A36	Set Screw.....	M8x32	1
37.....	ZX-A37	Oil Sight Glass.....	20	1
69.....	TL06727	Gear (serial # 010611ZX349 and lower)	2m25T	1
.....	TL06727N	New Gear (serial # 010618ZX350 and higher)	2m25T	1
70.....	TL06728	Sliding Key		2
71.....	TL06121	Spacer (serial # 010611ZX349 and lower)		2
.....	TL06121N	New Spacer (serial # 010618ZX350 and higher)		2
72.....	TL06304	Positioning Sleeve (serial # 010611ZX349 and lower)		2
.....	TL06304N	New Positioning Sleeve (serial # 010618ZX350 and higher)		2
73.....	ZX-A73	Ring Seal For Rotating	3x55	2
74.....	ZX-A74	Oil Seal	35x3.1	1
75.....	TL06729	Sleeve (serial # 010611ZX349 and lower)		1
.....	TL06729N	New Sleeve (serial # 010618ZX350 and higher)		1
122.....	TL06302	Sign Plate.....		1
123.....	TL06730	Shaft		1
124.....	BB-51104	Thrust Bearing.....		2
125.....	TL06305	Sleeve		2
126.....	TL06726	Worm (serial # 010611ZX349 and lower)		1
.....	TL06726N	New Worm (serial # 010618ZX350 and higher)		1
127.....	TL06122	Worm Support (serial # 010611ZX349 and lower)		1

Index No.	Part No.	Description	Size	Qty.
.....	TL06122N	New Worm Support (serial # 010618ZX350 and higher)		1
128	TL06720	Control Plate		1
129	TS-1514031	Hex Socket Cap Screw	M6x20	4
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	LI-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	TL06124	Bracket		1
160	ZX-A160	Taper Pin	5x25	2
161	TL06308	Bracket		1
162	TS-1503041	Hex Socket Cap Screw	M6x16	1

Apron Assembly II

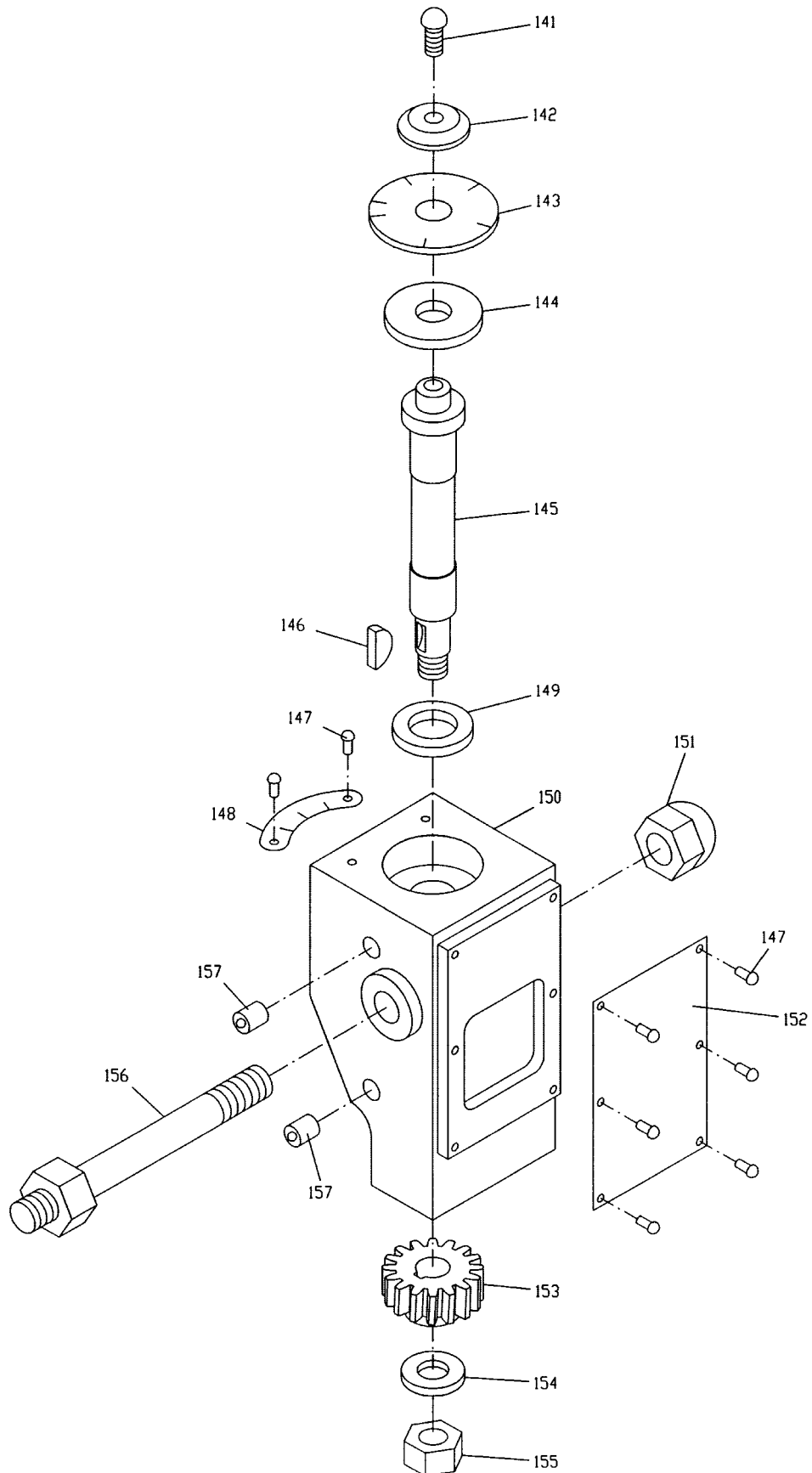


Apron Assembly II

Index No.	Part No.	Description	Size	Qty.
38.....	ZX-B23	C-Clip.....	20.....	1
39.....	BB-6204.....	Ball Bearing.....	20x47x14	1
40.....	TL06705	Gear.....	2m65T.....	1
41.....	ZX-A41	Taper Pin.....	6x40.....	1
42.....	ZX-C40	C-Clip.....	25.....	1
43.....	ZX-06127	Bearing Support (serial # 010611ZX349 and lower)		1
.....	ZX-06127N	New Bearing Support (serial # 010618ZX350 and higher)		1
44.....	TS-1504041	Hex Socket Cap Screw.....	M8x18.....	3
45.....	BB-6205Z	Ball Bearing.....	25x52x15	1
46.....	ZX-A46	C-Clip.....	52.....	1
47.....	TL06704	Shaft (serial # 010611ZX349 and lower)	2m14T.....	1
.....	TL06704N	New Shaft (serial # 010618ZX350 and higher)	2m14T.....	1
48.....	TL06706	Hand Wheel Shaft	2mx15T.....	1
49.....	ZX-H10	Half Circle Key.....	4x16.....	1
50.....	ZX-A50	Oil Cup.....	8.....	1
51.....	TL06104	Lever Support.....		1
52.....	TS-1503051	Hex Socket Cap Screw.....	M6x18.....	3
53.....	TL06105	Dial Support		1
54.....	ZX-A54	Cross Head Screw.....	M5x12	3
55.....	TL06732	Dial.....		1
56.....	TL06107	Hand Wheel		1
57.....	ZX-06710.....	Shaft Driven Lever.....		1
58.....	TL06709	Shaft Cover		1
59.....	ZX-A54	Cross Head Screw.....	M5x12	1
60.....	TL06708	Screw.....		1
61.....	TL06707	Pin.....		1
62.....	TL06112.....	End Cover		1
63.....	TS-1503031	Hex Socket Cap Screw.....	M6x12	3
64.....	TL06733	T Shaped Flat Key.....		1
65.....	TL06115.....	Flange Sleeve		1
66.....	TS-1503031	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
77.....	TS-1503031	Hex Socket Cap Screw.....	M6x12	3
78.....	TL06303	Sign Plate.....		1
79.....	TL06714	Adjusting Screw.....		1
80.....	ZX-A80	Oil Seal	8x1.9.....	1
81.....	BB-7203.....	Ball Bearing.....	17x40x12	1
82.....	TL06713	Shaft		1
83.....	TL06715	Adjusting Rod.....		1
84.....	ZX-H10	Half Circle Key.....	4x16.....	1
85.....	TL06712	Spring Cover		1
86.....	ZX-A86	Spring.....	YI-5x35x50.....	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.....	6x25.....	1
92.....	TL06110.....	Fork.....		1
93.....	TL06721	Control Rod.....		1
94.....	TL06116.....	Lever Support.....		1
95.....	ZX-A9	Pin.....	8n6x30	1
96.....	ZX-H5	Steel ball	8.....	1
97.....	ZX-A97	Spring.....	YI-1x7x25.....	1
98.....	ZX-A98	Flat Head Set Screw.....	M10x16	1

Index No.	Part No.	Description	Size	Qty.
99.....	TL06722	Lever.....		1
100.....	ZX-A100	Cross Head Screw.....	M5x10	3
101.....	TL06117.....	Cover		1
102.....	ZX-A102	Adjusting Screw.....	M6x30	1
103.....	TS-1503051.....	Hex Socket Cap Screw.....	M6x18	3
104.....	ZX-A104	Flat Head Set Screw.....	M4x8	1
105.....	TL06301	Sleeve		1
106.....	TL06710	Gear	2m21T/2m57T	1
107.....	ZX-A107	Pin.....	6n6x8	1
108.....	TL06711.....	Shaft		1
109.....	TL06108	End Cover		1
110.....	TS-1503031.....	Hex Socket Cap Screw.....	M6x12	3
111.....	TL06723	Control Shaft		1
112.....	TL06725	Pin.....		1
113.....	TL06724	Control Block.....		1
114.....	ZX-A114.....	Oil Seal	20x2.4	1
115.....	ZX-A115.....	Oil Seal	50x3.1	1
116.....	TL06119.....	Lever Flange		1
117.....	TS-1503031.....	Hex Socket Cap Screw.....	M6x12	3
118.....	TL06118.....	Lever Support.....		1
119.....	TL06307	Sign Plate.....		1
120.....	TL06716	Lever		1
121.....	ZX-B27	Taper Pin.....	6x60	1

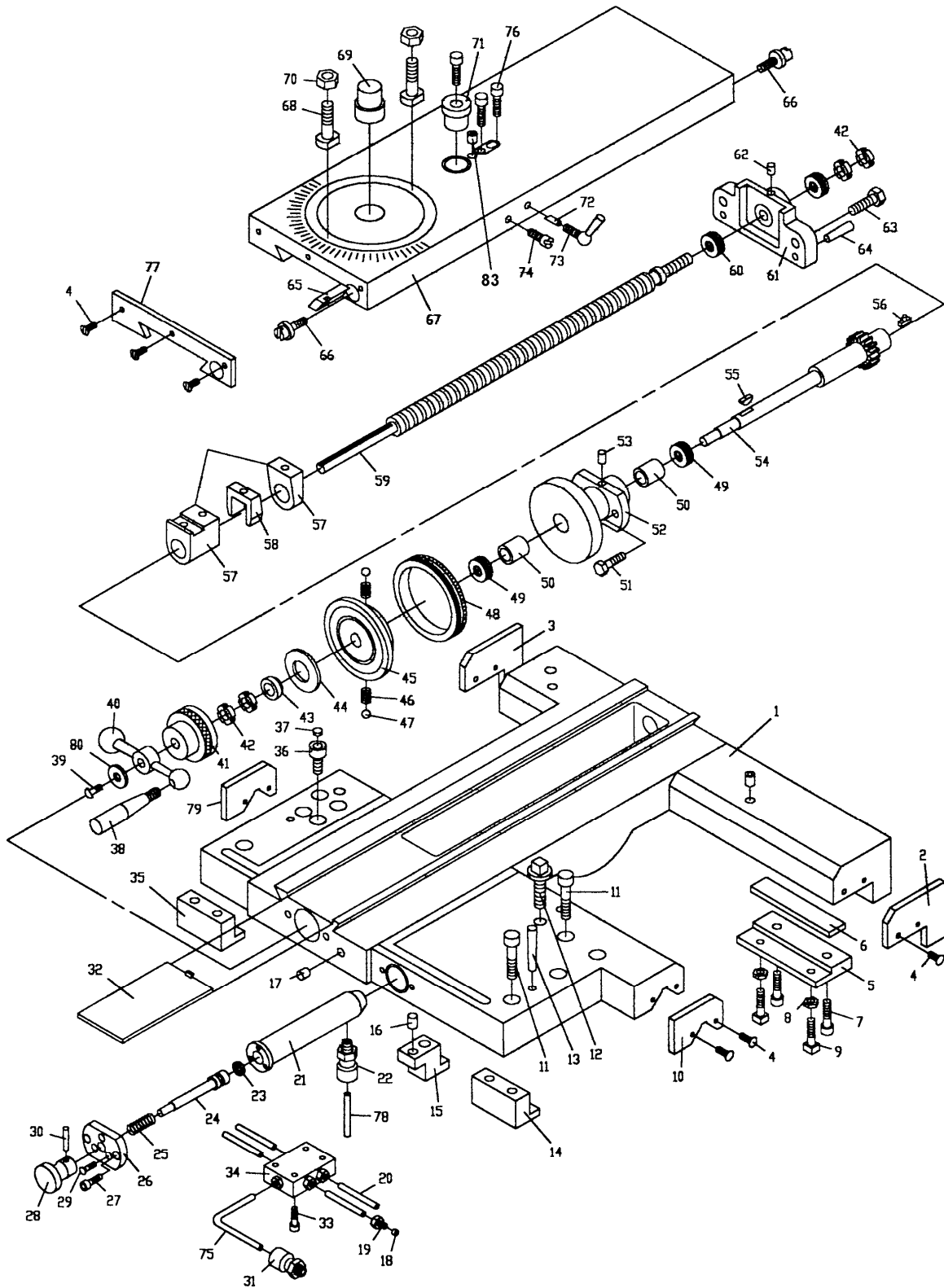
Apron Assembly III



Apron Assembly III

Index 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	2m16T	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



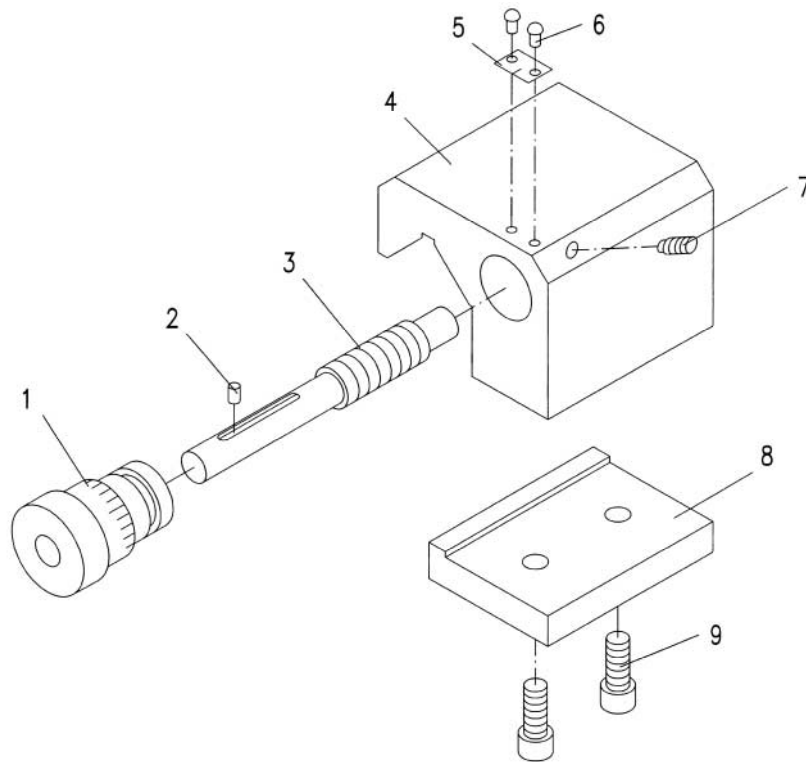
Carriage Assembly

Index No.	Part No.	Description	Size	Qty.
1	ZX-04101A	Saddle Casting		1
	GH2280ZX-14101	Saddle Casting (for 2280ZX)		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-1505041	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	M12x70	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-04772	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-1502041	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-04740	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
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		1
	GH2280ZX-04109B	Screw Support (for 2280ZX)		1
53	ZX-CA53	Oil Cup	8	2

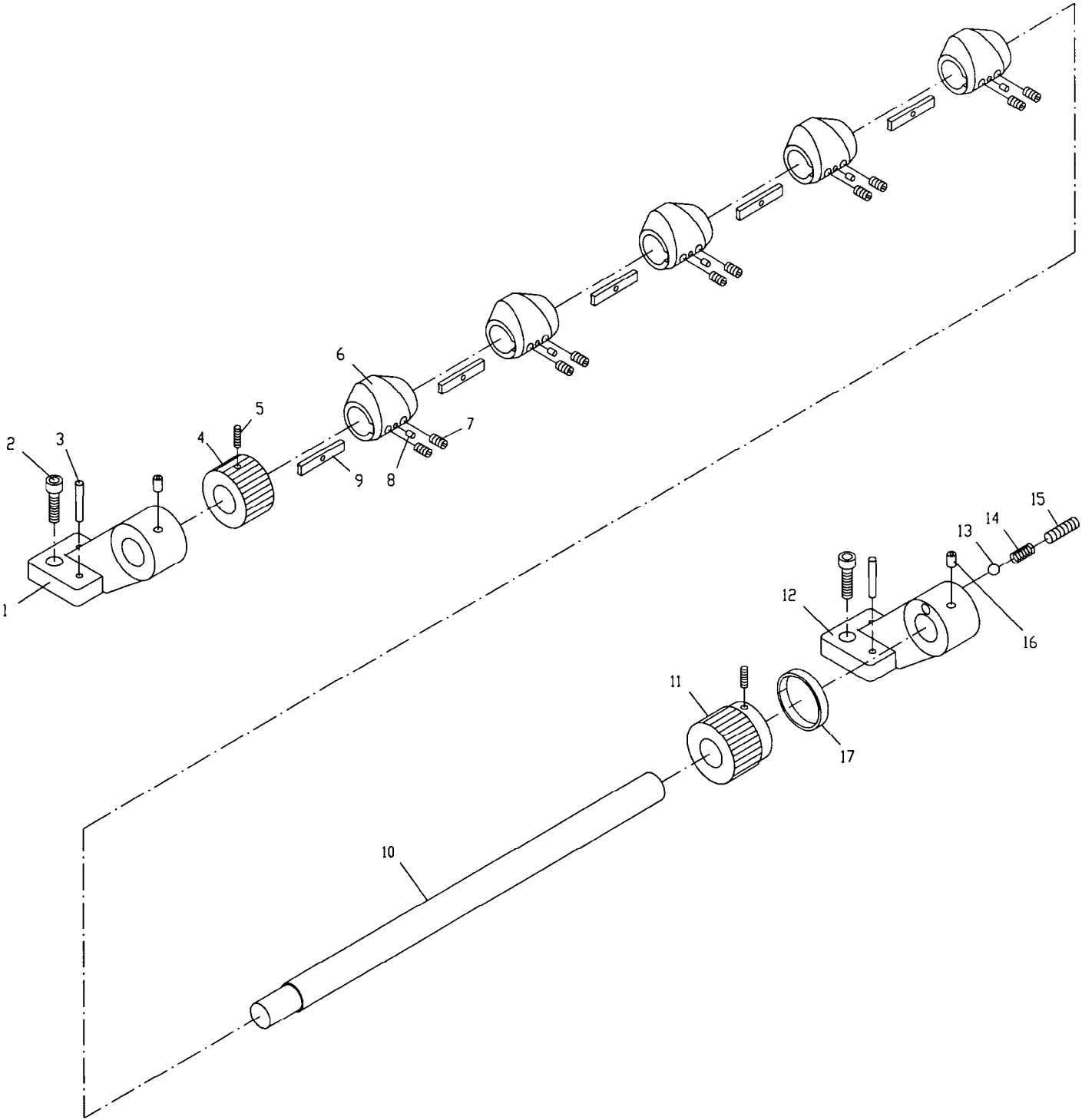
Index No.	Part No.	Description	Size	Qty.
54.....	ZX-04707-1.....	Gear Sliding Sleeve.....	2m16T.....	1
.....	ZX-04707-1A.....	Gear Sliding Sleeve(for 2280ZX).....		1
55.....	ZX-H10.....	Half Circle Key.....	4x16.....	1
56.....	ZX-04751.....	Flat Key.....		1
57.....	ZX-04302.....	Nut Assembly.....		1
.....	ML-2080-04301.....	Nut Assembly (for 2280ZX).....		1
58.....	ZX-04748.....	Wedge.....		1
59.....	ZX-04707-2.....	Lead Screw.....		1
.....	GH2280ZX-04707-2.....	Lead Screw (for 2280ZX).....		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-04102A.....	Cross Slide.....		1
.....	GH2280ZX-04102.....	Cross Slide (for 2280ZX).....		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
.....	GH2280ZX-04701.....	Sleeve (for 2280ZX).....		1
72.....	ZX-04304.....	Pressing Pin.....	1.....	1
73.....	ZX-04746.....	Screw.....		1
74.....	ZX-04786.....	Set Screw.....		1
75.....	ZX-CA75.....	Long Copper Tube.....		1
76.....	TS-1504051.....	Socket Head Cap Screw.....	M8x22.....	3
77.....	ZX-04502.....	Wipe Plate.....		1
.....	GH2280ZX-04502.....	Wipe Plate (for 2280ZX).....		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-CA83.....	Oil Cup.....	10.....	1
.....	ZX-CSNA.....	Crossfeed Screw & Nut Assy. (includes # 57- 59. for 14/16/18").....		
.....	ZX-CSNA-GH2280ZX.....	Crossfeed Screw & Nut Assy. (includes #57-59,. for 22").....		
.....	ZX-CDA.....	Crossfeed Dial Assy. (includes # 41-50, 51-56. for 14/16/18").....		
.....	ZX-CDA-GH2280ZX.....	Crossfeed Dial Assy. (includes # 41-50, 51-56. for 22").....		

Micro Carriage Stop

Index 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



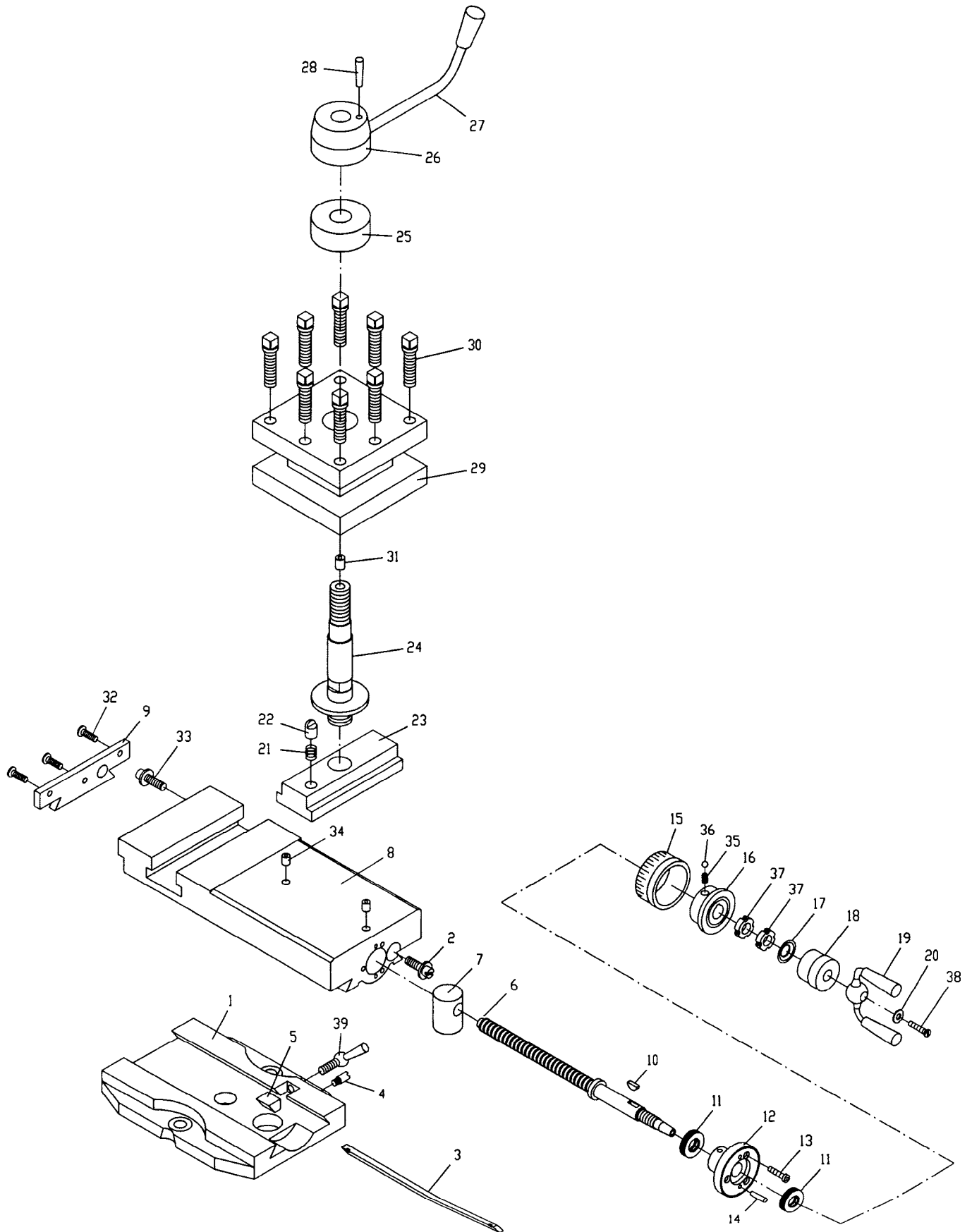
Carriage Stop Assembly



Carriage Stop Assembly

Index 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

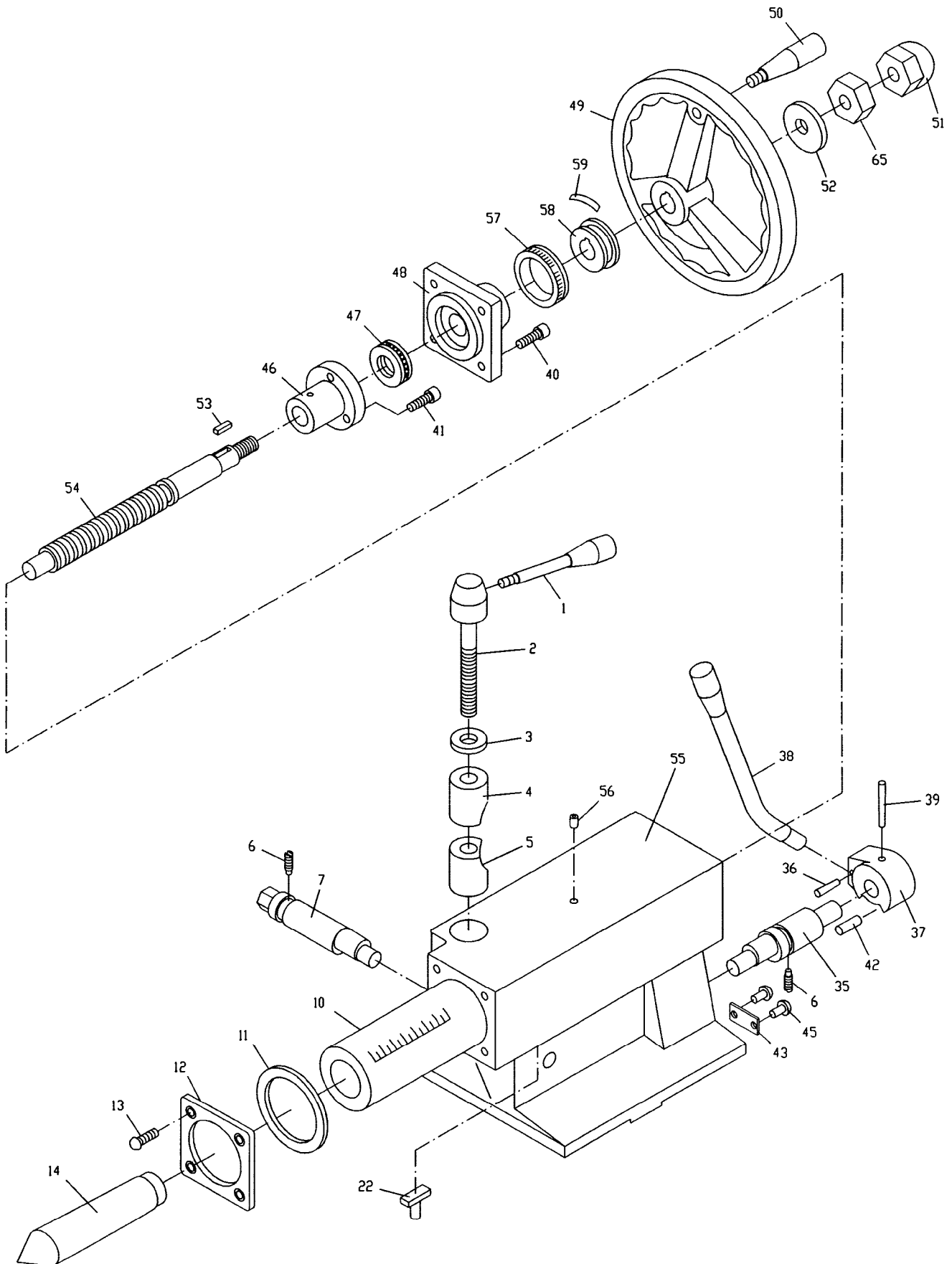
Four Way Tool Post



Four Way Tool Post

Index 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)		

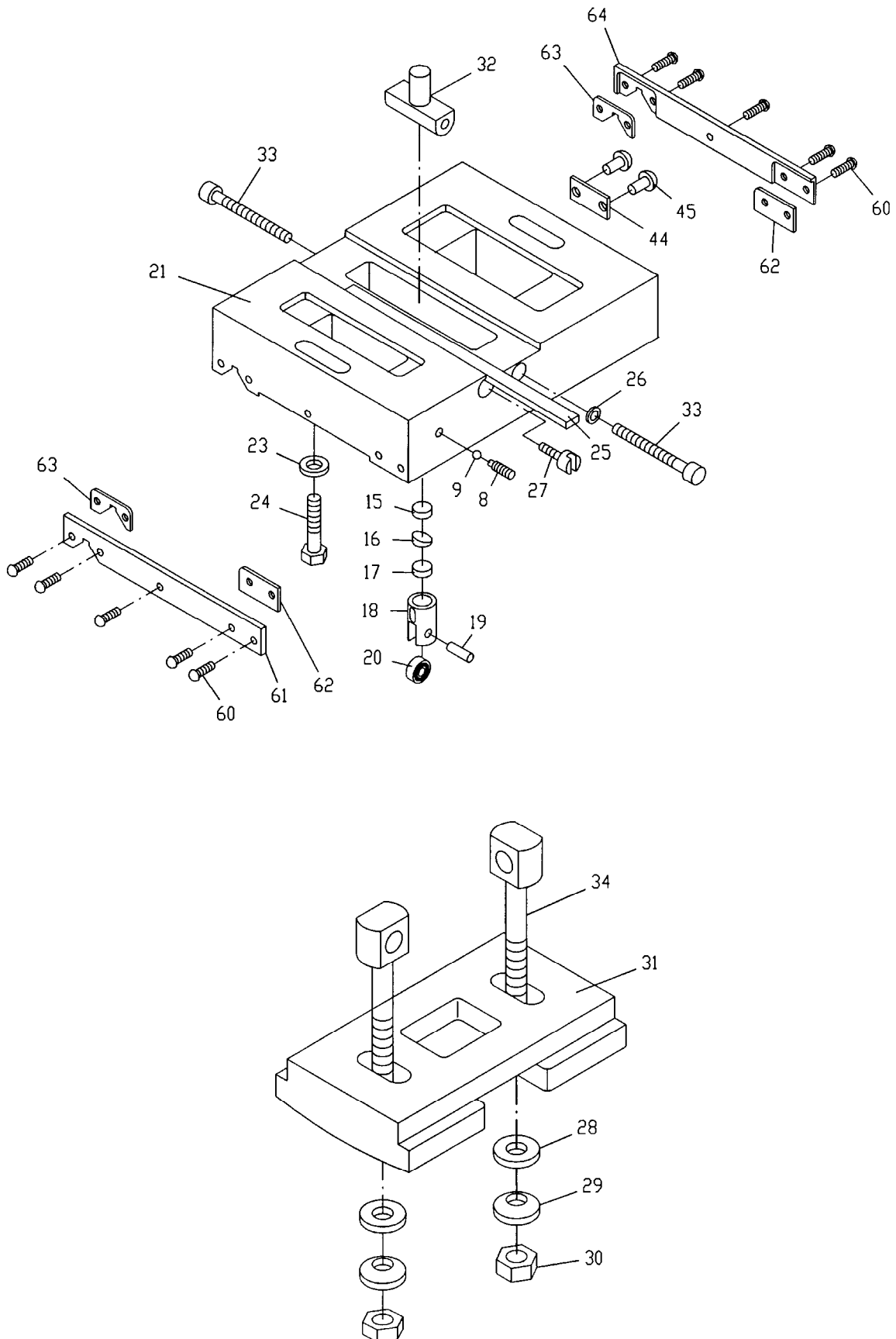
Tailstock Assembly I



Tailstock Assembly I

Index 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

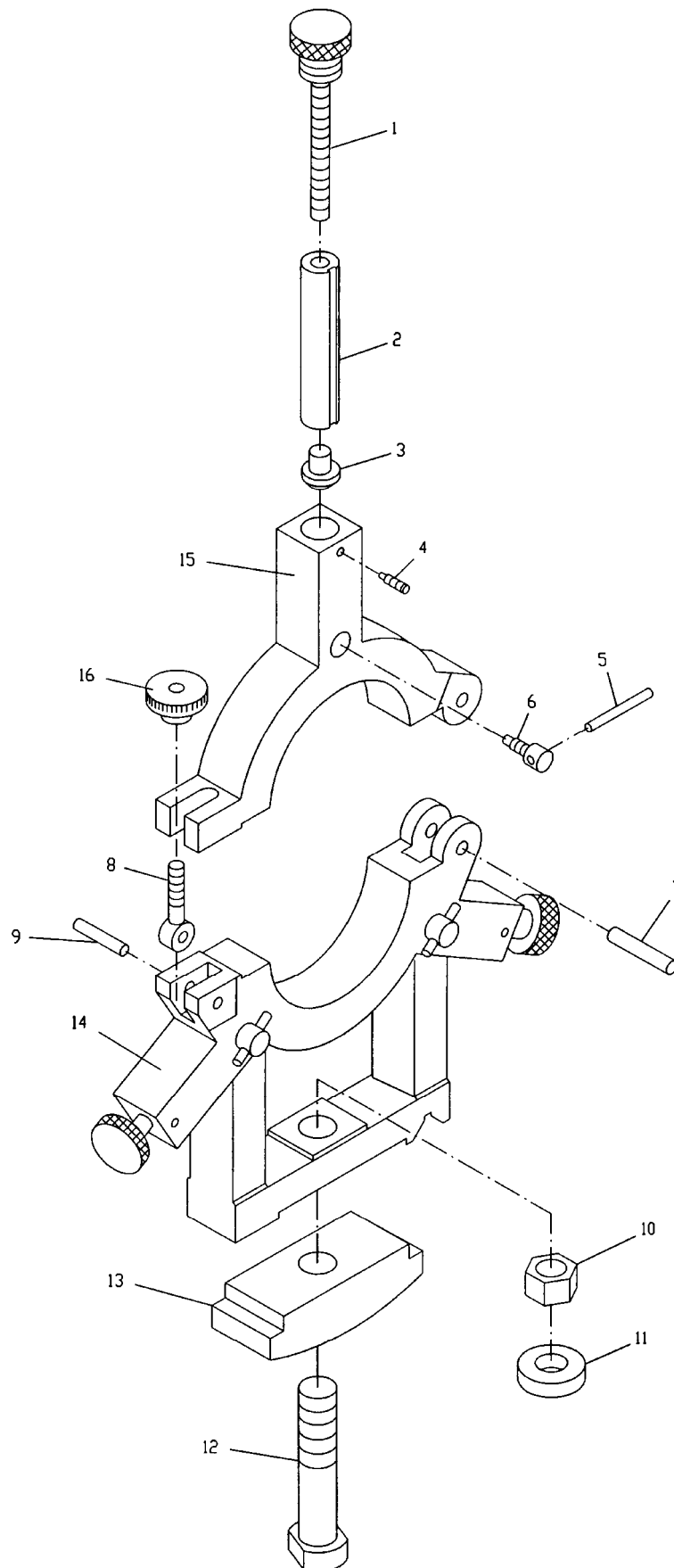
Tailstock Assembly II



Tailstock Assembly II

Index No.	Part No.	Description	Size	Qty.
8.....	ZX-T8	Flat End Set Screw (except in 14" models).....	M6x18	4
9.....	ZX-T9	Steel Ball (except in 14" models).....	4.....	4
15.....	ZX-03712.....	Rubber Washer (except in 14" models)		4
16.....	ZX-03713.....	Pressing Block (except in 14" models)		4
17.....	ZX-03501.....	Circle Plate (except in 14" models)		4
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 18"/22" 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	M5 x12	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 # 1-13,15-64)		
.....	ZX-TSA16.....	Tailstock Assembly, 16" (includes # 1-13,15-64)		
.....	ZX-TSA18.....	Tailstock Assembly, 18" (includes # 1-13,15-64)		
.....	ZX-TSA22.....	Tailstock Assembly, 22" (includes # 1-13,15-64)		

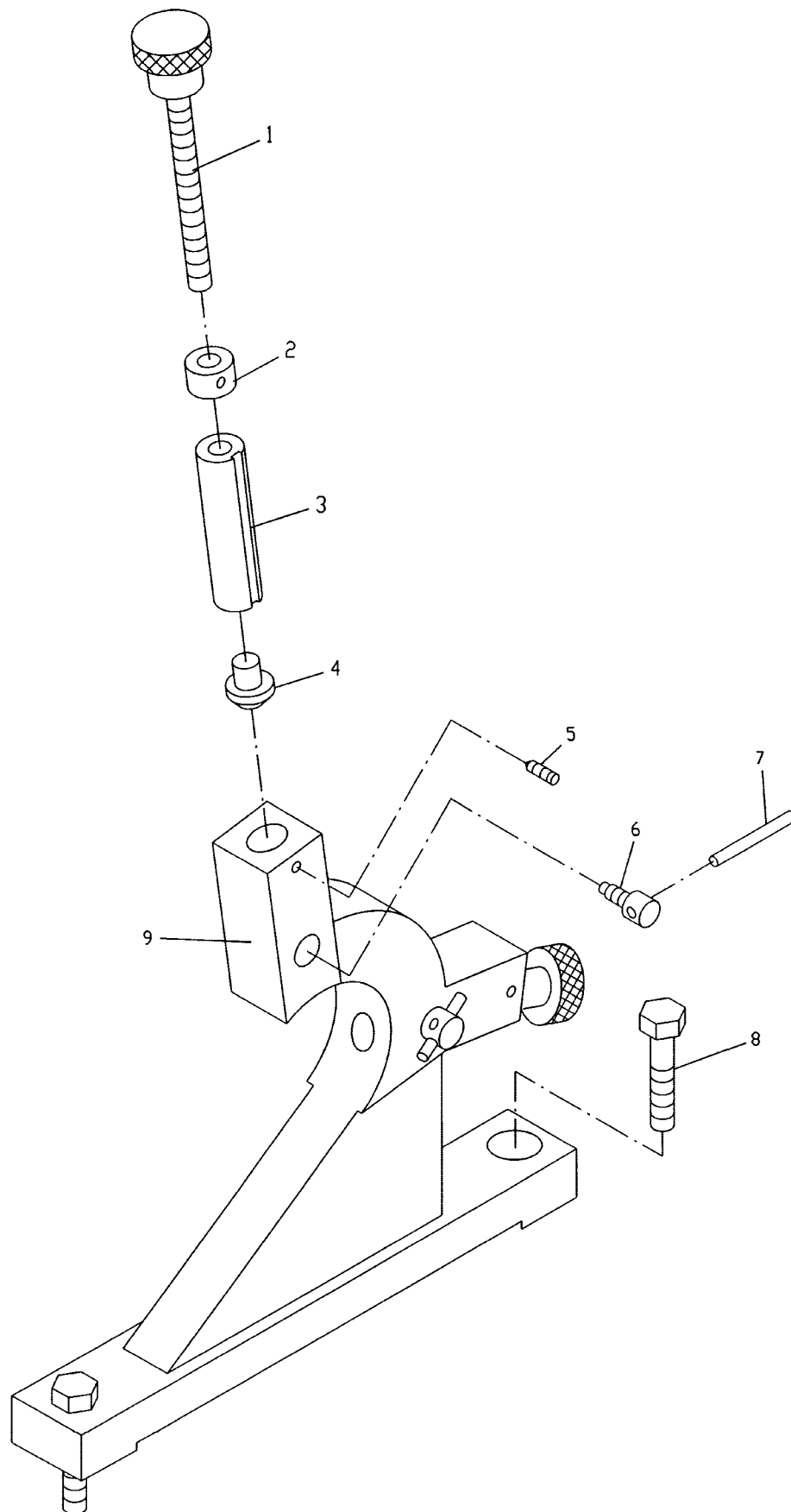
Steady Rest Assembly



Steady Rest Assembly

Index No.	Part No.	Description	Size	Qty.
.....	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)		
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

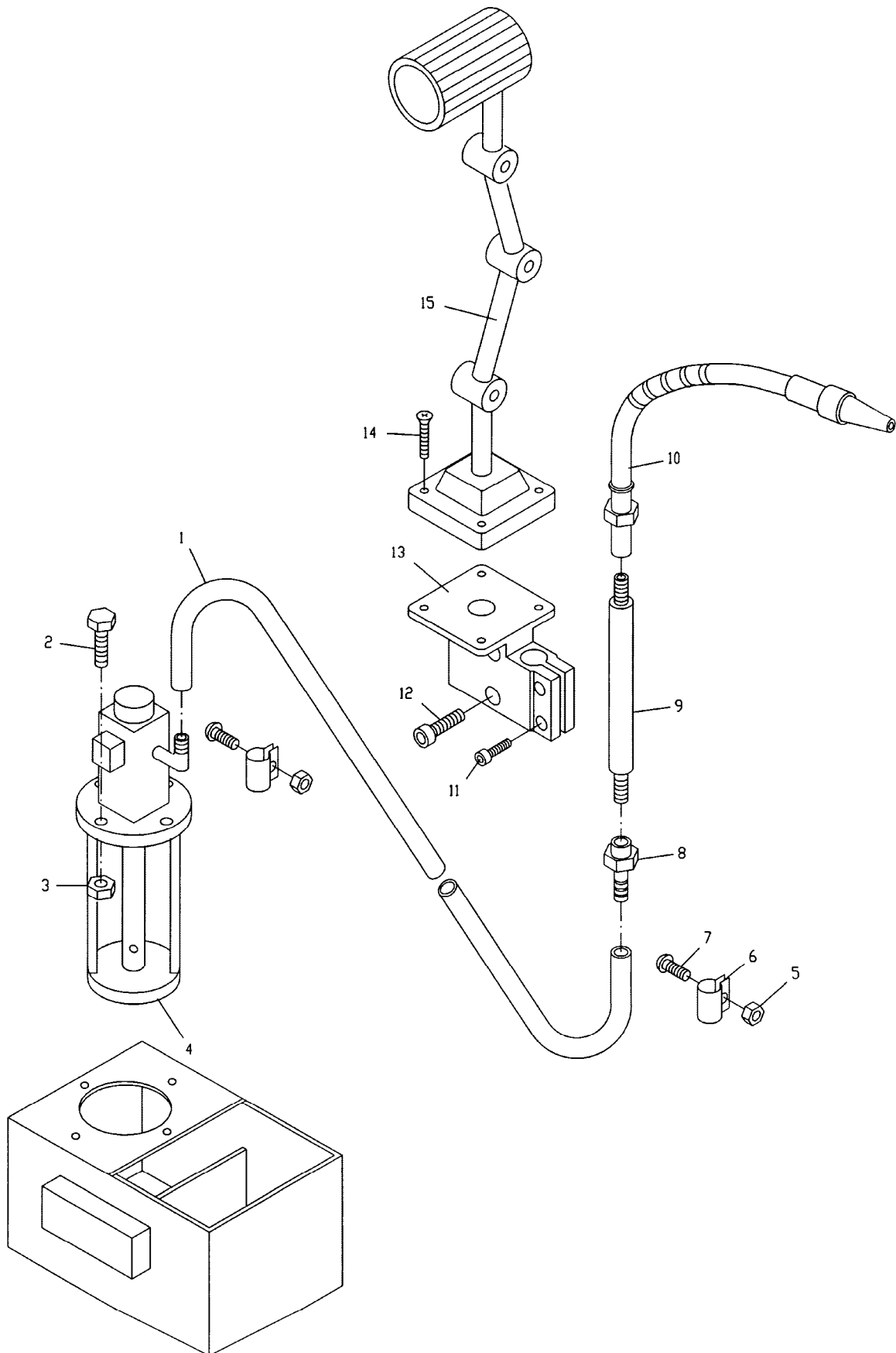
Follow Rest Assembly



Follow Rest Assembly

Index No.	Part No.	Description	Size	Qty.
.....	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).....		
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

Coolant & Work Light Assembly

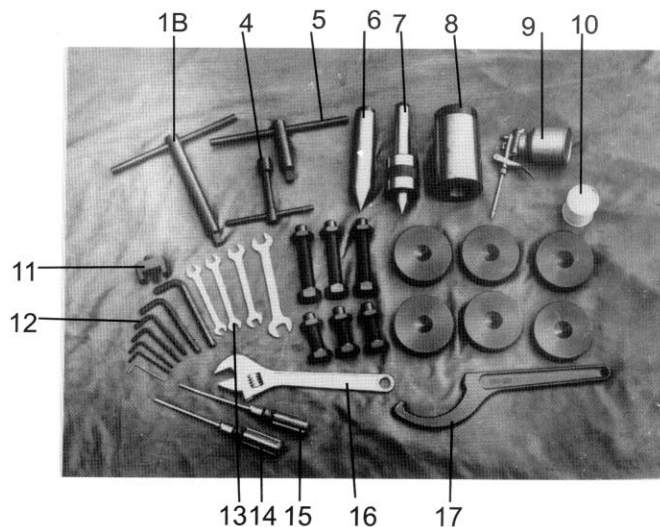
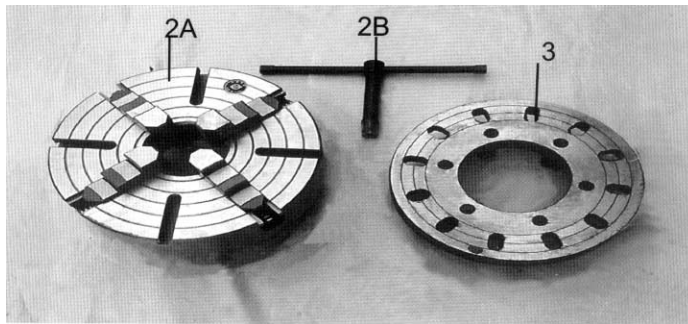


Coolant & Work Light Assembly

Index 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)		

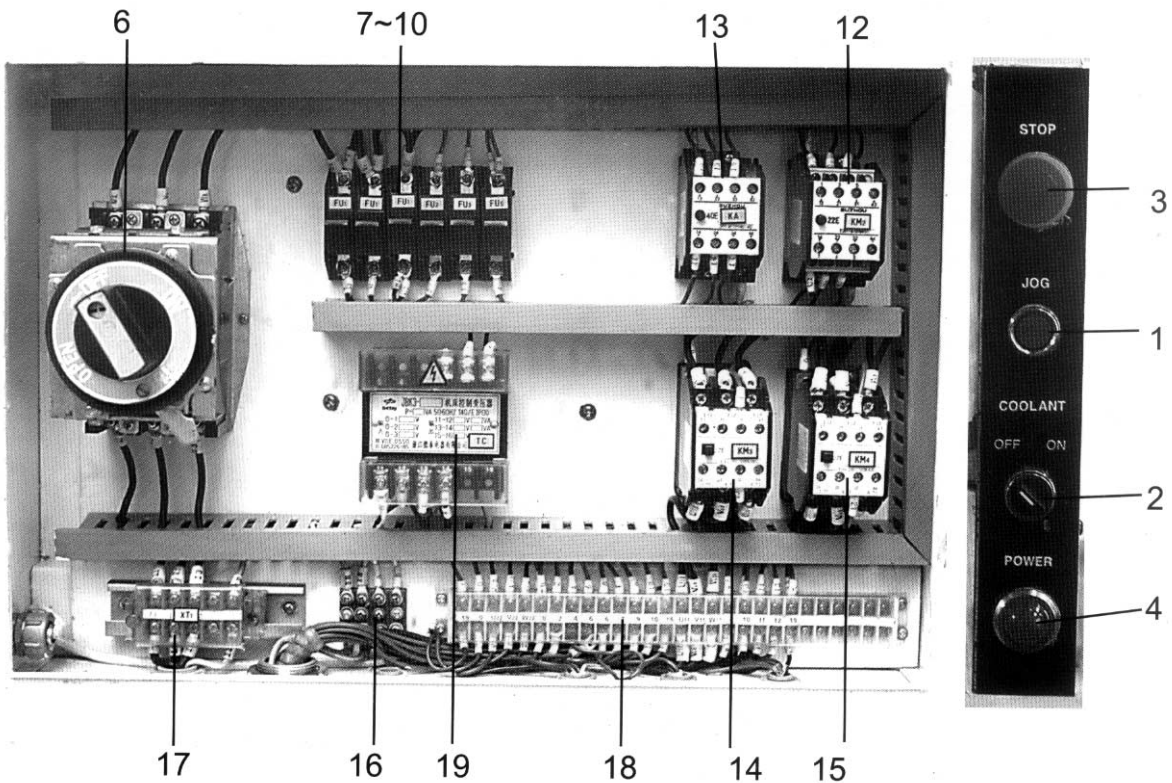
Other Parts

Index 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 14"/16" 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 14"/16" 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-18TBCP	Tool Box Complete (not shown)	ZX-18"	

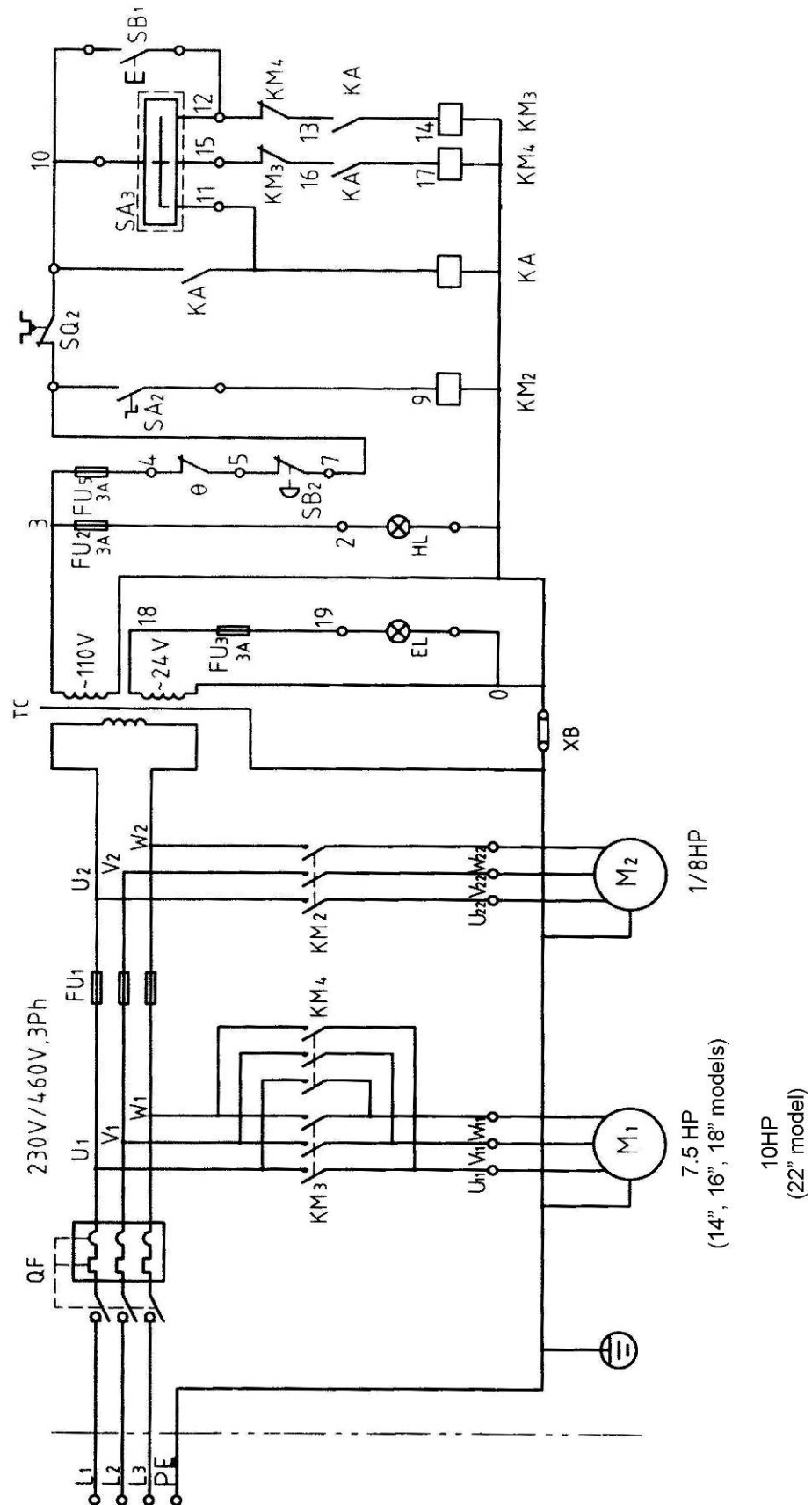


Electrical Cabinet

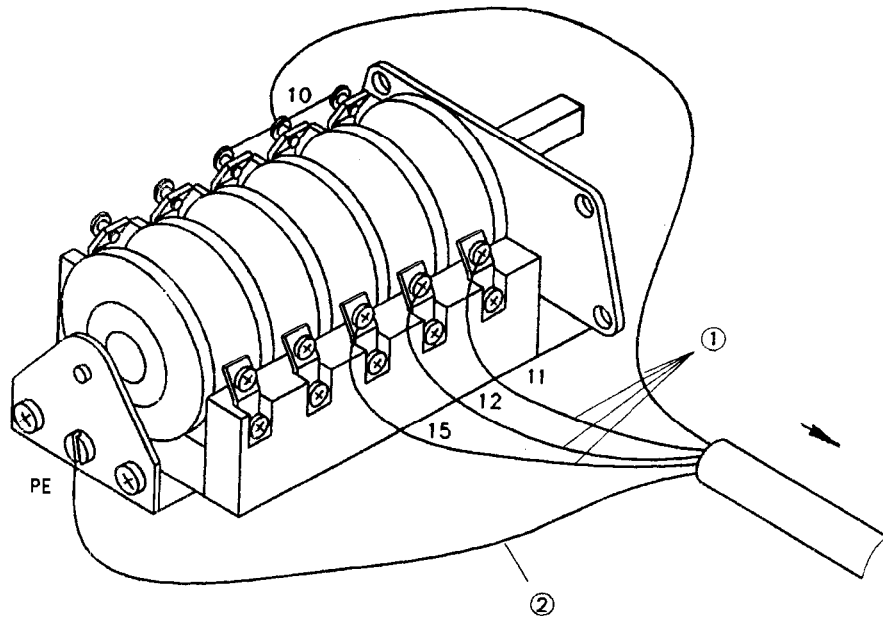
Index No.	Part No.	Description	Size	Qty.
1.....	ZX-SB1.....	Jog Button.....	LAY3-11.....	1
2.....	ZX-SA2.....	Coolant Control Button	LAY3-11X/2	1
3.....	ZX-SB2.....	Emergency Stop.....	LAY3-012S/1	1
4.....	ZX-HL.....	Power Indicator Light.....	XD11-30/20	1
5.....	ZX-SA3.....	Rotary Switch	HZ3-452	1
6.....	ZX-QF.....	Master Switch (40A)	D215-40	1
7.....	ZX-FU1.....	Fuse (3A)	JRT1-16A.....	1
8.....	ZX-FU2.....	Fuse (2A)	JRT1-16A.....	1
9.....	ZX-FU3.....	Fuse (2A)	JRT1-16A.....	1
10.....	ZX-FU5.....	Fuse (2A)	JRT1-16A.....	1
.....	ZX-FB.....	Fuse Block		1
11.....	ZX-Q.....	Temperature Relay	JW6.....	1
12.....	ZX-KM2	A.C. Contactor	3TB40	1
13.....	ZX-KA.....	A.C. Contactor.....	3TB80	1
14.....	ZX-KM3	A.C. Contactor (for 14,16,18" models).....	3TB43	1
.....	GH-2280ZX-KM3	A.C. Contactor (for 22" models)	3TB44	1
15.....	ZX-KM4	A.C. Contactor (for 14,16,18" models).....	3TB43	1
.....	GH-2280ZX-KM4	A.C. Contactor (for 22" models)	3TB44	1
16.....	ZX-XB.....	Copper Plate (for grounding).....		1
17.....	ZX-XT1.....	Wiring Board	JT1.....	1
18.....	ZX-XT2.....	Wiring Board	JX0.....	1
19.....	ZX-TC.....	Control Transformer.....	JBK3-100-TH.....	1
20.....	ZX-SQ2.....	Stroke Switch	LXW5-11N1.....	1



Wiring Diagram



Rotary Switch Diagram



1.....The Cord from the Wiring Board (part no. ZX-XT2)

2.....The Grounding Wire from the Copper Plate (part no. ZX-XB)

NOTES

NOTES



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