

JET

**GHB-1330
GHB-1340A**

METALWORKING LATHE

321350T....400/50/3

321357T....400/50/3

**PARTS LIST
ERSATZTEILLISTE
LISTE DE PIECES**

WMH Tool Group AG

Bahnstrasse 24, CH – 8603 Schwerzenbach
www.wmhgroup.ch; info@wmhgroup.ch
Tel +41 (0) 44 806 47 48
Fax +41 (0) 44 806 47 58

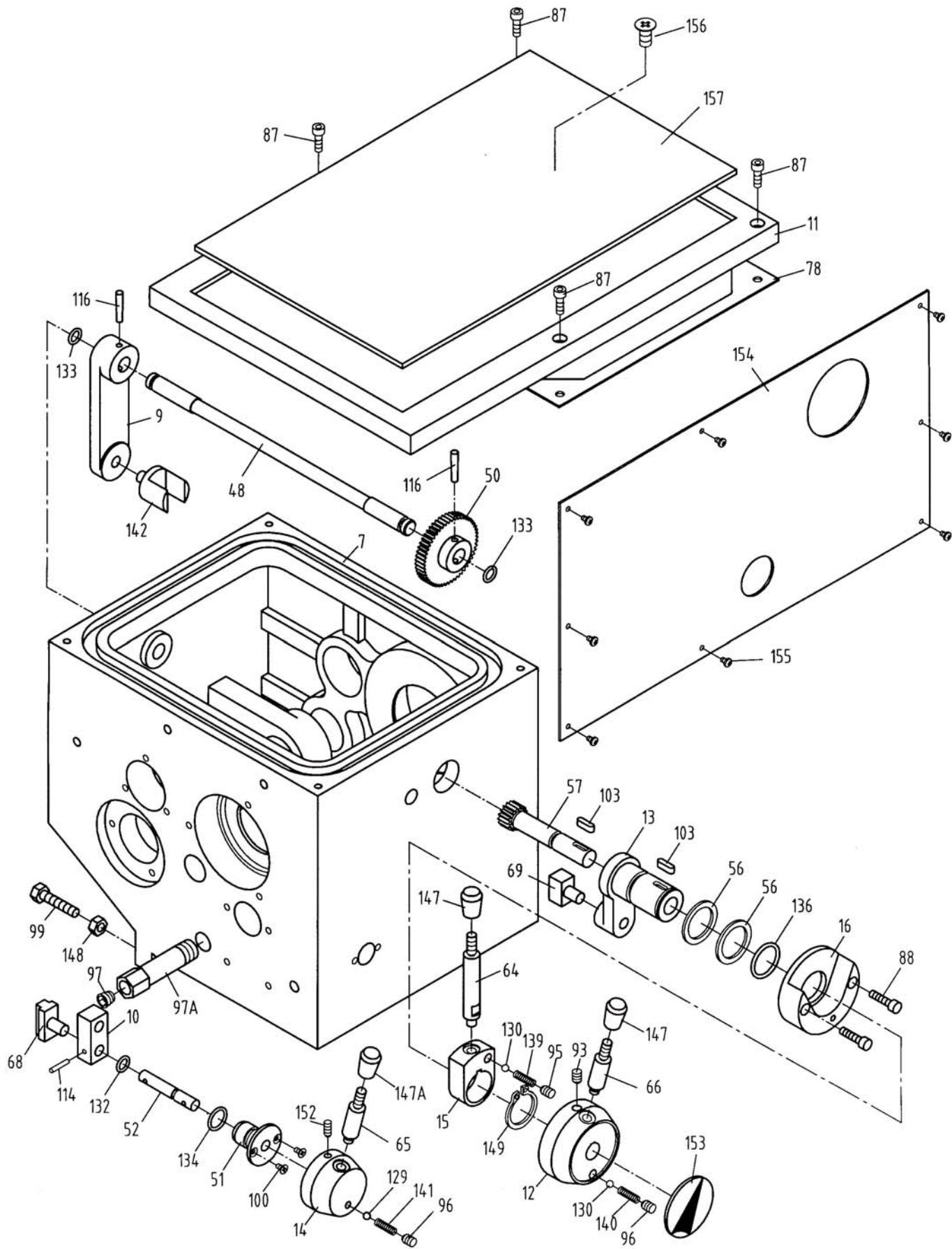


P-321350T_321357T 02/05

Table of Contents

Table of Contents	1
Headstock Assembly I	2-3
Headstock Assembly II	4-5
Headstock Assembly III	6-7
GHB-1340A Bed Assembly I	8-10
GHB-1330 Bed Assembly I	11-13
Bed Assembly II	14-15
Bed Assembly III	16
Gear Assembly I	17-18
Gear Assembly II	19-20
Gear Assembly III	21-22
Apron Assembly I	23-24
Apron Assembly II	25-26
Apron Assembly III	27
Micro Carriage Stop Assembly	28
Top Slide, Tool Post, saddle and Cross Slide Assembly I	29-30
Top Slide, Tool Post, saddle and Cross Slide Assembly II	31-32
Tailstock Assembly I	33-34
Tailstock Assembly II	35-36
Follow Rest	37
Steady Rest	38-39
Additional Parts	40
Additional Electrical Components	40
Electrical Schematic	41
Protecting guards for three rods	42-44
Wiring Photo	45
Safety guard cover	46
Toolpost Protection Device	47

Headstock Assembly I



Headstock Assembly I

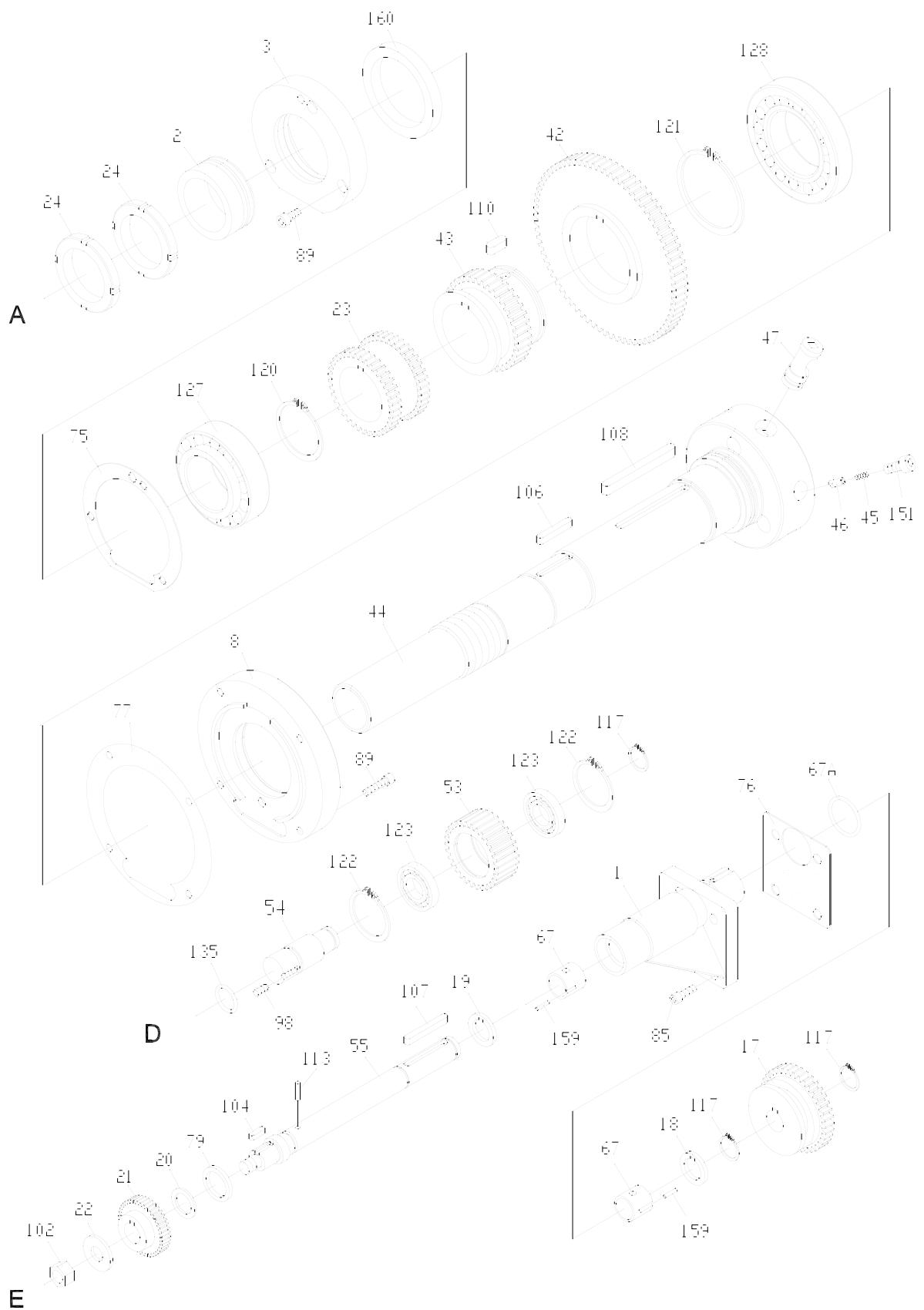
Index	Part	Description	Size	Qty.
No.	No.			
7	GHB1340A-02101	Gear Box		1
9	04109	Shift Lever		1
10	04111	Shaft Housing		1
11	GHB1340A-02102	Cover		1
12	GHB1340A-04117	Handle Hub		1
13	04121	Shaft Collar		1
14	GHB1340A-04120	Handle Hub		1
15	GHB1340A-04119	Handle Block		1
16	GHB1340A-04118	Hub		1
48	04232	Shaft		1
50	04234	Gear	1.25m51T	1
51	04235	Collar		1
52	04250	Shaft		1
56	04240	Washer		1
57	04241	Gear Shaft	1.25m17T	1
64	GHB1340A-04248	Handle		1
65	GHB1340A-04248-1	Handle		1
66	GHB1340A-04249	Handle		1
68	04402	Shift Fork		1
69	04403	Shift Fork		1
78	GHB1340-4506	Gasket		1
87	TS-1503051	Hex Socket Cap Screw	M6X20	4
88	TS-1503061	Hex Socket Cap Screw	M6X25	2
93	TS-1523061	Set Screw	M6X18	1
95	TS-1524011	Set Screw	M8X8	1
96	TS-1524021	Set Screw	M6X12	2
97	GHB1340A-97	Plug	Z1/4"	1
97A	GHB1340A-97A	Oil Drain Plug		1
99	TS-1490071	Hex Cap Screw	M8X40	2
100	GHB1340-100	Screw	M4X8	4
103	GHB1340-103	Key	5X15	2
114	GHB1340-114	Pin	4X18	1
116	GHB1340-116	Pin	5X30	2
129	SB-5MM	Steel Ball	5	1
130	SB-6MM	Steel Ball	6	2
132	GHB1340-132	O-Ring	10X1.9	1
133	GHB1340-133	O-Ring	14X2.4	2
134	GHB1340-134	O-Ring	20X2.4	2
136	GHB1340-136	O-Ring	30X3.1	1
139	GHB1340-139	Spring	1X6X7	1
140	GHB1340-140	Spring	1X6X20	1
141	GHB1340-141	Spring	0.6X4.4X20	1
142	04235A	Shift Fork		1
147	GHB1340-147	Knob	M8X40	3
147A	GHB1340-147A	Knob		3
148	TS-1540061	Nut	M8	2
149	GHB1340-120	C-Clip	30	1
152	TS-1523041	Set Screw	M6X12	1
153	GHB1340A-153	Round Sign Plate		1
154	GHB1340A-02301E	Label Plate		1
	GHB1330-02301	Label Plate		1
155	GHB1340A-155	Screw	M3X5	8
156	GHB1340A-156	Screw	M10X18	1
157	GHB1340A-02502	Rubber Mat		1
	GHB1340A-160	Oil Sight Glass (not show)	Φ30	1

Headstock Assembly II

Headstock Assembly II

Index	Part		Description	Size	Qty.
No.	No.				
4.....	04104Z	Rear Cover			1
5.....	04105.....	Pulley			1
6.....	GHB1340-4106.....	Plug			1
25.....	04209.....	Gear	2m43T		1
26.....	GHB1340-4210.....	Gear	2m51T		1
27.....	04211.....	Washer			1
28.....	04212.....	Gear Shaft	2.25m16T		1
29.....	04213A.....	Cover			1
30.....	04214.....	Washer			1
31.....	04215.....	Shaft			1
32.....	04216.....	Washer			1
33.....	04217.....	Collar w/Gear	2m21T		1
34.....	04218.....	Gear	2m29T		1
35.....	04219.....	Gear	2m46T		1
36.....	04220.....	Gear	2m38T		1
37.....	04221.....	Collar			1
38.....	04222.....	Gear	2m26T		1
39.....	04223.....	Gear	2m34T		1
40.....	04224.....	Gear	2.25m53T		1
41.....	04225.....	Plug			1
59.....	TS-1504041	Socket Head Cap Screw	M8X20		1
73.....	GHB1340-4501	Gasket			1
74.....	GHB1340-4502	Gasket			1
80.....	GHB1340-4508	Oil Seal	20X40		1
84.....	TS-1501041	Hex Socket Cap Screw	M4X12		3
86.....	TS-1503031	Hex Socket Cap Screw	M6X12		3
98.....	TS-1523031	Set Screw	M6X8		4
105	GHB1340-105	Key	5X50		1
109	GHB1340-109	Key	6X120		1
111	GHB1340-111	Key	5X20		1
119	GHB1340-119N	C-Clip	35		1
124	GHB1340-124	Bearing	20X47X14		1
125	GHB1340-125	Bearing	17X40X12		1
126	GHB1340-126	Bearing	20X47X14		2
137	GHB1340-137	O-Ring	40X3.1		1
138	GHB1340-138	O-Ring	47X3.1		1
150	GHB1340A-150	Key	6X55		2
158	TS-1551061	Lock Washer	M8		1
160	VB-A762	V-Belt	A762		2

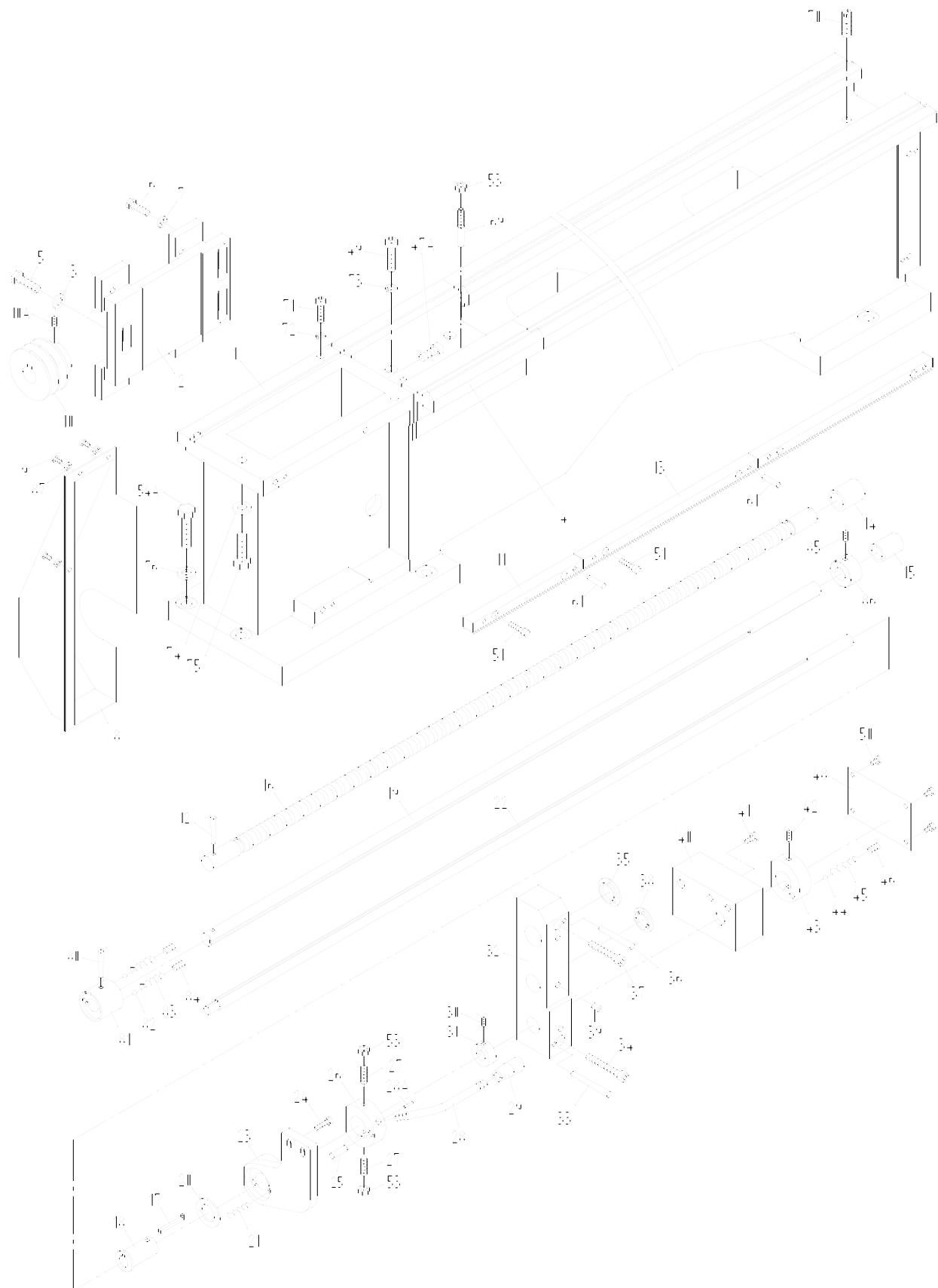
Headstock Assembly III



Headstock Assembly III

Index	Part		Description	Size	Qty.
1.....	GHB1340A-02103N	Collar			1
2.....	C0632A-02117A	Collar			1
3.....	C0632A-02115A	Rear Cover			1
8.....	04108Z	Front Cover			1
17.....	04201.....	Gear	2m37T		1
18.....	04202Z	Washer			1
19.....	04203Z	Washer			1
20.....	04204.....	Washer			1
21.....	04205E	Gear	1.25m36T		1
22.....	04206.....	Washer	12		1
23.....	04207A	Gear	2m37T		1
24.....	04208.....	Lock Nut			2
42.....	04226.....	Gear	2.25m74T		1
43.....	04227.....	Gear	2.25m37T		1
44.....	GHB1340A-02702	Spindle			1
45.....	04229.....	Spring	0.6X4X16		3
46.....	04230.....	Pin			3
47.....	04231.....	Cam			3
53.....	04237.....	Gear	2m30T		1
54.....	04238.....	Shaft			1
55.....	GHB1340A-02701N	Shaft			1
67.....	04401.....	Collar			2
67A.....	GHB1340A-67A	O-ring	32x3.1		1
75.....	GHB1340-4503N	Gasket			1
76.....	GHB1340A-02501N	Gasket			1
77.....	GHB1340A-4505	Gasket			1
79.....	GB13871	Oil Seal	B-22×35×7		1
85.....	TS-1502041	Hex Socket Cap Screw	M5x16		4
89.....	TS-1503061	Hex Socket Cap Screw	M6x25		7
98.....	TS-1523031	Set Screw	M6x8		1
102.....	TS-1540081	Hex Nut	M12		1
104.....	GHB1340-104	Key	5X18		1
106.....	GHB1340-106	Key	6X40		1
107.....	GHB1340-107	Key	6X50		1
108.....	GHB1340-108	Key	8X85		1
110.....	GHB1340-110	Key	8X18		1
113.....	GHB1340-113	Pin	3X10		1
117.....	GHB1340-117N	C-Clip	20		2
120.....	GHB1340-120	C-Clip	50		1
121.....	GHB1340-121	C-Clip	72		1
122.....	GHB1340-122	C-Clip	42		2
123.....	GHB1340-123	Bearing	20X42X8		2
127.....	GHB1340-127	Bearing	50X90X20		1
128.....	GHB1340-128	Bearing	60X110X22		1
135.....	GHB1340-135	O-Ring	25X2.4		1
151.....	GHB1340A-151	Hex Socket Cap Screw	M8X18		3
159.....	GHB1340A-159	Pin	2x16		2
160.....	GB13871	Oil Seal	B-60X80X8		1

GHB-1340A Bed Assembly I



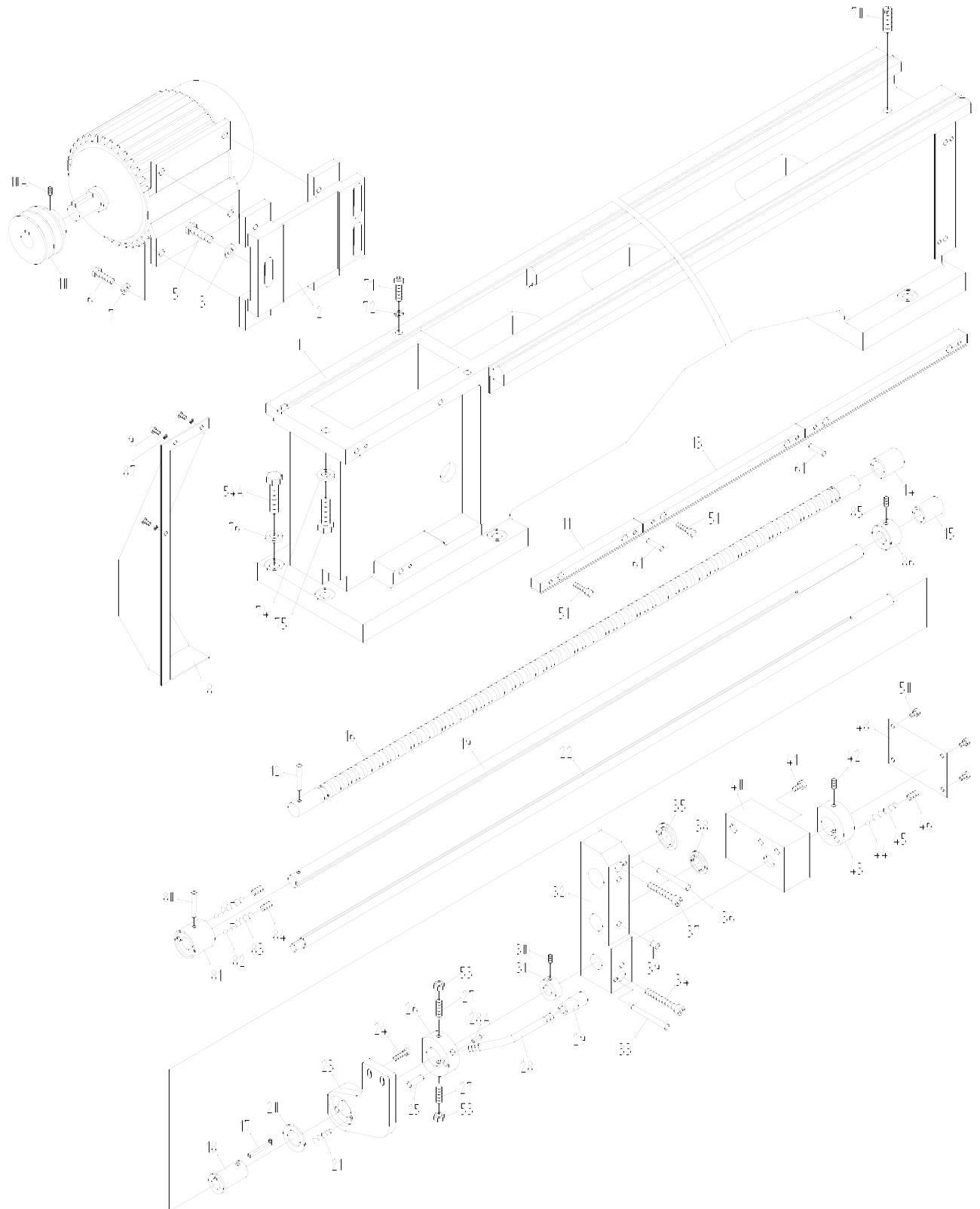
GHB-1340A Bed Assembly I

Index	Part No.	Description	Size	Qty.
1.....	GHB1340A-01101	Bed		1
2.....	01110.....	Motor Base		1
3.....	TS-1550071	Washer	M10	1
4.....	01102.....	Gap		1
5.....	TS-149105	Hex Cap Bolt	M10X35	3
6.....	TS-1490041	Hex Cap Bolt	M8X25	4
7.....	TS-1550061	Washer		4
8.....	GHB1340A-02703	End Cover		1
9.....	GHB1340A-9B	Screw	M5X8	3
10.....	01112.....	Pulley		1
10A.....	TS-1523041	Set Screw	M6X12	1
11.....	01203.....	Rack		1
12.....	GHB1340A-12B	Pin	5X35	2
13.....	01204-2	Rack		2
14.....	32A1105	Collar		1
15.....	32A1106	Collar		1
16.....	GHB-1340A-1701E	Lead Screw	GHB-1340A	1
17.....	321728	Key		1
18.....	321706	Collar		1
19.....	GHB1340A-1702	Feed Rod	GHB-1340A	1
20.....	01707.....	Brake Ring		1
21.....	GHB1340A-21B	Spring	1X7.5X25	3
22.....	GHB1340A-1703	Shaft	GHB-1340A	1
23.....	32A1103A	Bracket		1
24.....	TS-1503061	Hex Socket Cap Screw	M6X22	4
25.....	GHB1340A-25B	Pin	6X25	1
26.....	32A1710	Handle Hub		1
27.....	TS-1524061	Screw	M8X28	2
28.....	01710A	Handle		1
28A.....	GHB1340A-77	Pin	3X10	1
29.....	GHB1340A-29B	Knob	BM10X50	1
30.....	TS-1522031	Set Screw	M5X8	1
31.....	01708.....	Collar		1
32.....	32A1104A	Bracket		1
33.....	GHB1340A-33B	Pin	6X70	1
34.....	TS-1504131	Hex Socket Cap Screw	M8X65	1
35.....	32A1502	Plug		1
36.....	GHB1340A-36B	Pin	6X65	2
37.....	TS-1504121	Hex Socket Cap Screw	M8X60	2
38.....	32A1502	Plug		1
39.....	GHB1340A-39B	Oil Ball	8	3
40.....	32A1301	Shaft Support		1
41.....	TS-1504041	Hex Socket Cap Screw	M8X20	4
42.....	TS-1523051	Screw	M6X16	1
43.....	32A1705	Bushing		1
44.....	SB-6MM	steel Ball	6	1
45.....	GHB1340A-45B	Spring	1X5X22	1
46.....	TS-1524041	Screw	M8X16	1
47A.....	TS-1525021	Set Screw	M10X12	1
48.....	32A1504	Shaft Box Cover		1

GHB-1340A Bed Assembly I

Index	Part No.	Description	Size	Qty.
49.....	TS-1505051	Hex Socket Cap Screw	M10X35	4
50.....	TS-1502021	Socket Head Cap Screw	M5X10	4
51.....	TS-1503061	Hex Socket Cap Screw	M6X25	8
53.....	TS-1540061	Hex Nut	M8	4
54A.....	TS-1492061	Hex Cap Bolt.....	M12X60	6
61.....	GHB1340-61B	Pin.....	6X30.....	8
69.....	GHB1340-69B	Pin.....	8X60.....	2
70.....	GHB1340A-74B.....	Set Screw	M12X40	1
71.....	TS-1504081	Hex Socket Cap Screw	M10X40	2
72.....	TS-1551061	Lock Washer	M10	4
73.....	TS-1551071	Lock Washer	M10	4
74.....	TS-1550061	Washer	M10	4
75.....	TS-1504091	Hex Socket Cap Screw	M10X45	2
76.....	GHB1340A-76B.....	Washer	12	6
80.....	GB879E.....	Pin .....	.5x35	1
81.....	GH1440A-0105E	Clutch		1
82.....	GB308-6E	Steel Ball	6	2
83.....	GHB1340A-83B.....	Spring		2
84.....	GB79E	Set screw.....	M8x10	2
85.....	GB79E	Set screw.....	M8x10	1
86.....	GH1440A-0116E	Collar		1
87.....	GHB1340A-087E.....	Washer .....	.5	3

GHB-1330 Bed Assembly I



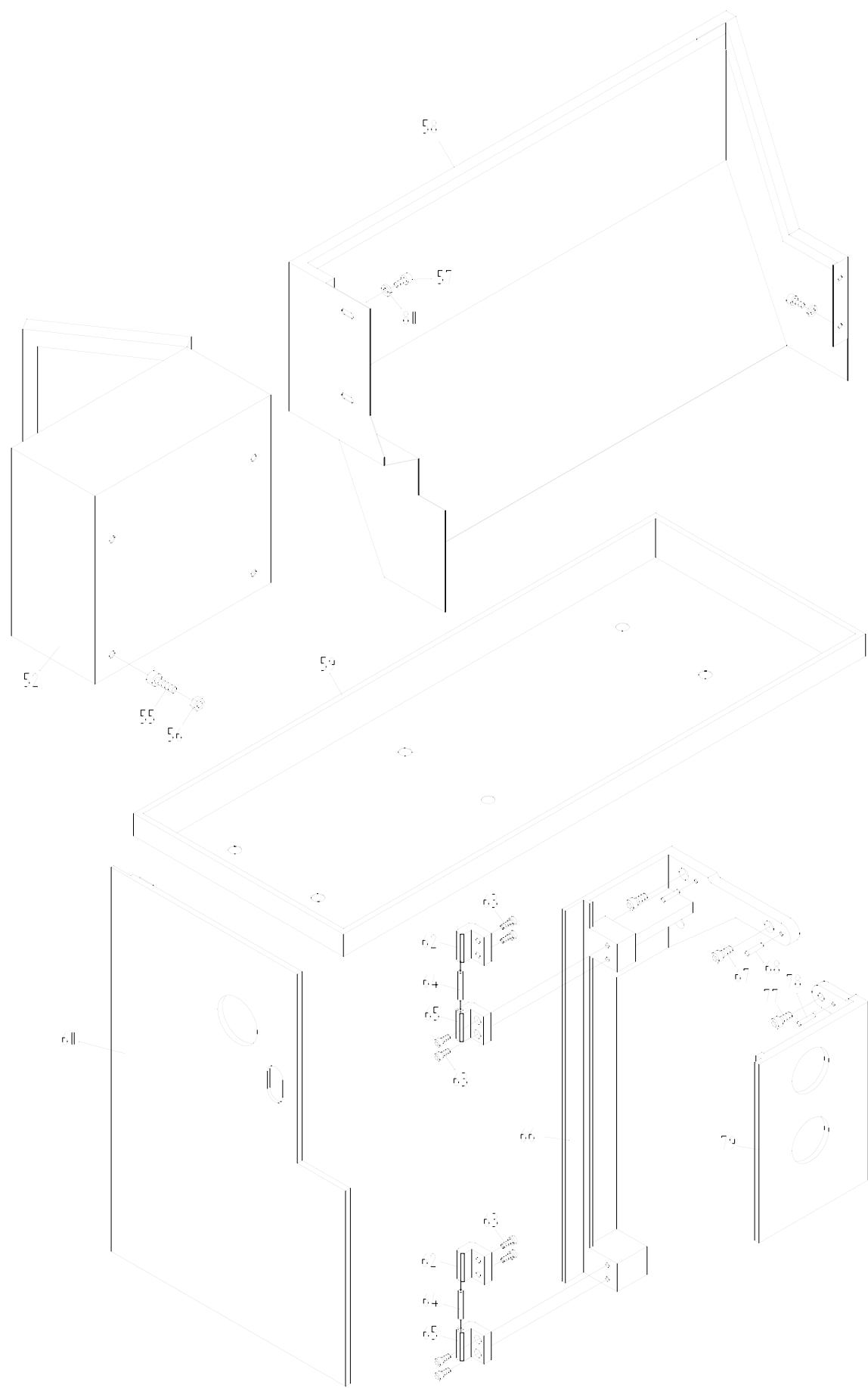
GHB-1330 Bed Assembly I

Index	Part No.	Description	Size	Qty.
1.....	GHB1330-01101.....	Bed		1
2.....	01110.....	Motor Base		1
3.....	TS-1550071	Washer	M10	1
5.....	TS-149105	Hex Cap Bolt	M10X35	3
6.....	TS-1490041	Hex Cap Bolt	M8X25	4
7.....	TS-1550061	Washer		4
8.....	GHB1330-02703.....	End Cover		1
9.....	GHB1330-9B	Screw.....	M5X8	3
10.....	01112.....	Pulley		1
10A.....	TS-1523041	Set Screw	M6X12	1
11.....	C0632-01704/155.....	Rack.....		1
12.....	GHB1330-12B	Pin	5X35.....	2
13.....	C0632-01704/323.5.....	Rack.....		2
14.....	32A1105	Collar		1
15.....	32A1106	Collar		1
16.....	GHB1330-1702/750	Lead Screw	GHB1330.....	1
17.....	321728	Key		1
18.....	321706	Collar		1
19.....	GHB1330-1702/750	Feed Rod	C0632A/750	1
20.....	01707.....	Brake Ring		1
21.....	GHB1330-21B	Spring	1X7.5X25	3
22.....	GHB1330-1703/750	Shaft	C0632A/750	1
23.....	32A1103A	Bracket		1
24.....	TS-1503061	Hex Socket Cap Screw	M6X22	4
25.....	GHB1330-25B	Pin	6X25.....	1
26.....	32A1710	Handle Hub		1
27.....	TS-1524061	Screw	M8X28	2
28.....	01710A	Handle		1
28A.....	GHB1330-77	Pin	3X10.....	1
29.....	GHB1330-29B	Knob	BM10X50	1
30.....	TS-1522031	Set Screw	M5X8	1
31.....	01708.....	Collar		1
32.....	32A1104A	Bracket		1
33.....	GHB1330-33B	Pin	6X70.....	1
34.....	TS-1504131	Hex Socket Cap Screw	M8X65	1
35.....	32A1502	Plug		1
36.....	GHB1330-36B	Pin	6X65	2
37.....	TS-1504121	Hex Socket Cap Screw	M8X60	2
38.....	32A1502	Plug		1
39.....	GHB1330-39B	Oil Ball	8	3
40.....	32A1301	Shaft Support		1
41.....	TS-1504041	Hex Socket Cap Screw	M8X20	4
42.....	TS-1523051	Screw	M6X16	1
43.....	32A1705	Bushing		1
44.....	SB-6MM	steel Ball	6	1
45.....	GHB1330-45B	Spring	1X5X22	1
46.....	TS-1524041	Screw	M8X16	1
48.....	32A1504	Shaft Box Cover		1

GHB-1330 Bed Assembly I

Index	Part No.	Description	Size	Qty.
50.....	TS-1502021	Socket Head Cap Screw	M5X10	4
51.....	TS-1503061	Hex Socket Cap Screw	M6X25	8
54A	TS-1492061	Hex Cap Bolt.....	M12X60	6
61.....	GHB1330-61B	Pin.....	6X30.....	8
70.....	GHB1330-74B	Set Screw	M12X40	1
71.....	TS-1504081	Hex Socket Cap Screw	M10X40	2
72.....	TS-1551061	Lock Washer	M10	4
74.....	TS-1550061	Washer	M10	4
75.....	TS-1504091	Hex Socket Cap Screw	M10X45	2
76.....	GHB1330-76B	Washer	12	6
80.....	GB879E	Pin.....	5x35	1
81.....	GHB1330-0105E	Clutch .....	.....	1
82.....	GB308-6E	Steel Ball .....	.6	2
83.....	GHB1330A-83B	Spring .....	.....	2
84.....	GB79E	Set screw.....	M8x10	2
85.....	GB79E	Set screw.....	M8x10	1
86.....	GHB1330-0116E	Collar .....	.....	1
87.....	GHB1330-087E	Washer	5	3

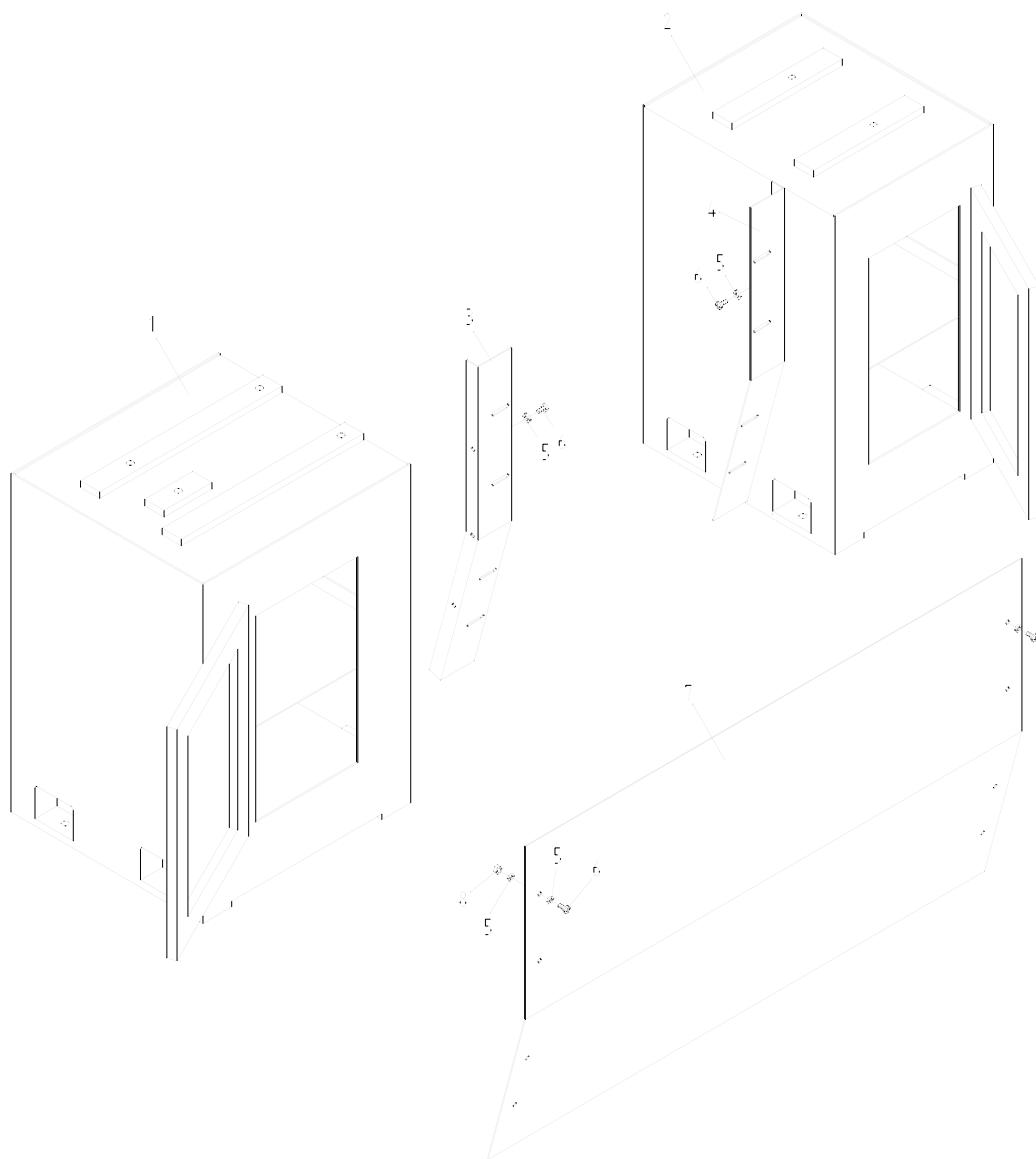
Bed Assembly II



Bed Assembly II

Index	Part No.	Description	Size	Qty.
52.....	GHB1340A-18701	Electrical Box	GHB-1340A	1
55.....	GHB1340A-55B	Screw	M6X20	4
56.....	GHB1340A-56B	Nut	M6	4
57.....	GHB1340A-57B	Screw	M6X10	4
58.....	GHB1340A-12701	Splash Guard	GHB-1340A	1
	C0632A-12701/7500	Splash Guard (for GHB-1330 only)	C0632A/750	1
59.....	GHB1340A-01701	Oil Plate		1
	GHB1330-01701	Oil Plate (for GHB-1330 only)		1
60.....	GHB1340A-02302	Back Cover		1
62.....	ZX-8712	Upper Hinge		2
63.....	TS-1503041	Hex Socket Cap Screw	M6X14	8
64.....	GHB1340A-64B	Pin	10m6 X40	2
65.....	ZX-8711	Lower Hinge		2
66.....	GHB1340A-02105	Rear side plate		1
67.....	TS-1504031	Hex Socket Cap Screw	M8X14	3
68.....	GHB1340A-68B	Pin	6X25	2
77.....	TS-1502041	Hex Socket Cap Screw	M5X14	3
78.....	GHB1340A-78B	Pin	5X25	2
79.....	GHB1340A-02104	Front side plate		1
80.....	GHB1340A-080E	Washer .....	.6	4

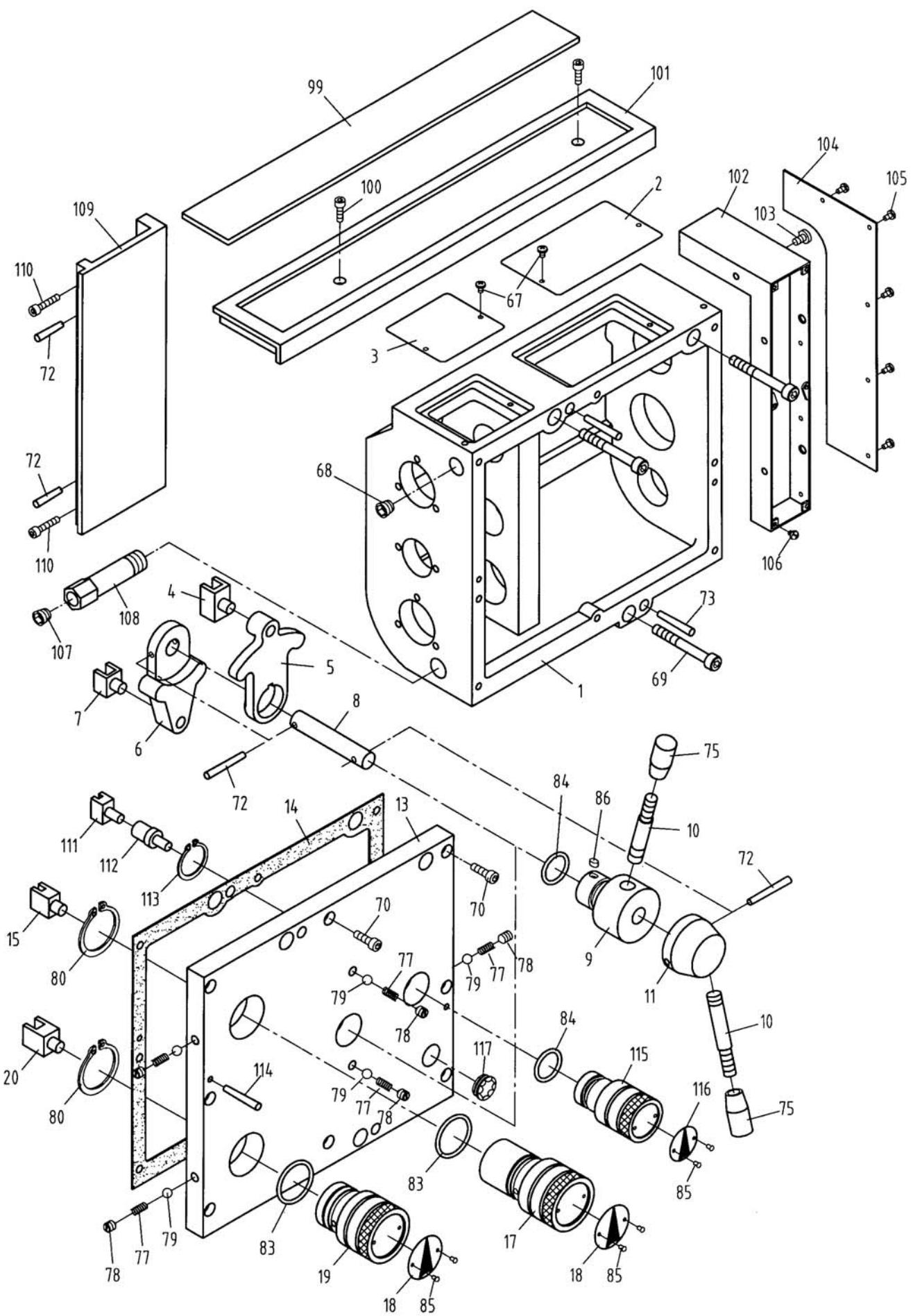
Bed Assembly III



Bed Assembly III

Index	Part No.	Description	Size	Qty.
1.....	GHB1340A-01703	Left lathe frame		1
2.....	GHB1340A-01704	Right lathe frame		1
3.....	GHB1340A-01707	Left side board of lathe frame		1
4.....	GHB1340A-01708	Right side board of lathe frame		1
5.....	GHB1340A-05E	Washer	6	16
6.....	GHB1340A-06E	Screw	M6×25	16
7.....	GHB1340A-01709	Guard		1
.....		Guard (for GHB-1330)		1
8.....	GHB1340A-08E	Nut	M6	8

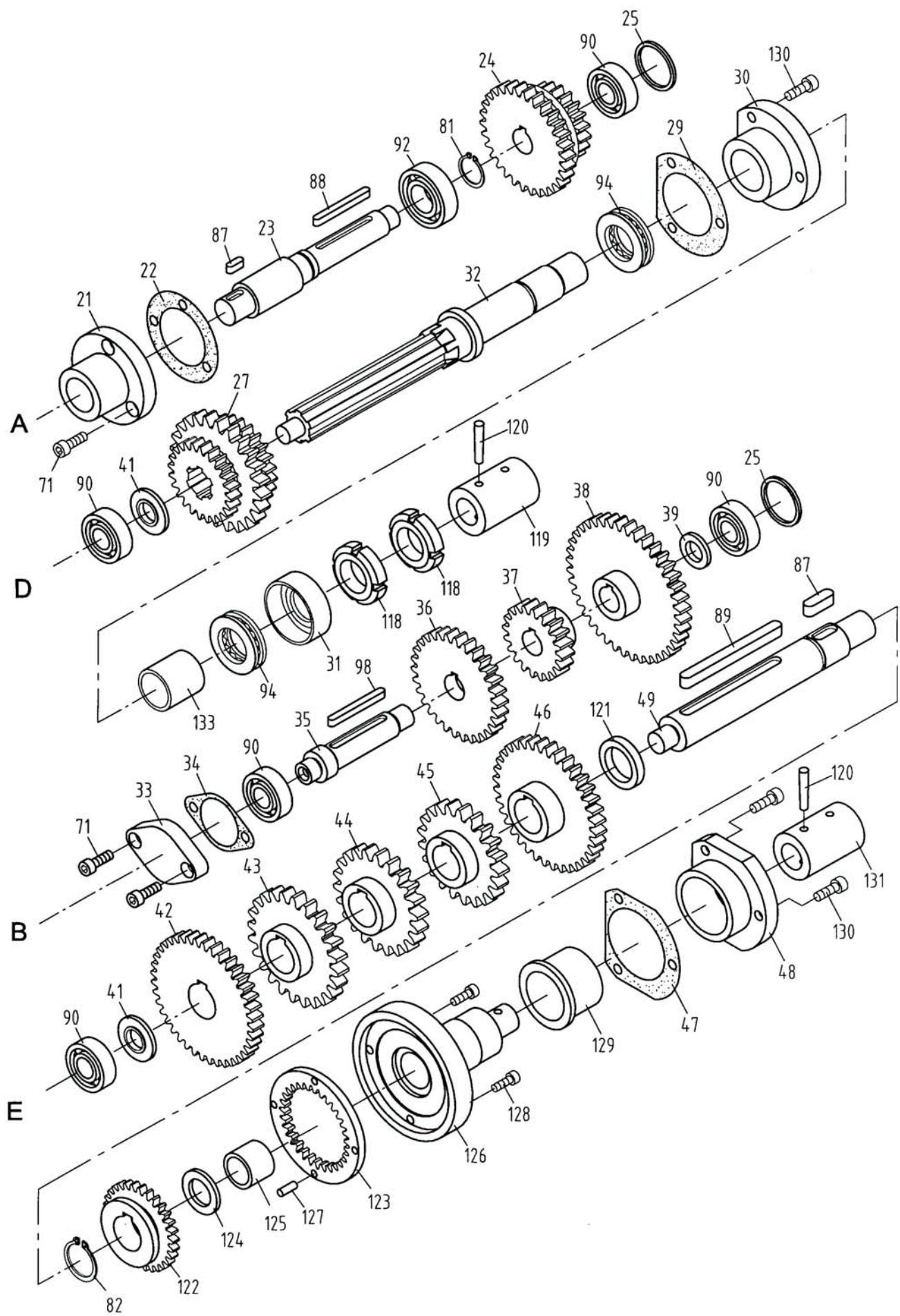
Gear Assembly I



Gear Assembly I

Index	Part No.	Description	Size	Qty.
1.....	05101A.....	Casting		1
2.....	05715.....	Right cover		1
3.....	05720.....	Left cover		1
4.....	32A5308.....	Slipper		1
5.....	32A5111A.....	Lever		1
6.....	32A5108A.....	Lever		1
7.....	32A5307.....	Slipper		1
8.....	32A5702.....	Shaft		1
9.....	32A5109.....	Handle Base		1
10.....	32A5701.....	Lever Base		2
11.....	32A5110.....	Handle Base		1
13.....	GHB1340A-5106.....	Cover		1
14.....	05504.....	Gasket		1
15.....	32A5305.....	Slipper		1
17.....	32A5106.....	Handle		1
18.....	32A5302.....	Plate		2
19.....	32A5103.....	Handle		1
20.....	32A5306.....	Slipper		1
67.....	GHB1340A-G67.....	Screw	M4X6	4
68.....	GHB1340A-G68.....	Oil Ball Nut	ZG3/8"	2
69.....	GHB1340A-G69.....	Socket Head Cap Screw	M8X65	3
70.....	TS-1503061.....	Socket Head Cap Screw	M6X25	8
72.....	GHB1340A-G72.....	Pin	5X30	4
73.....	GHB1340A-G73.....	Pin	5X40	2
75.....	GHB1340A-G75.....	Knob	BM10X50	2
77.....	GHB1340A-G77.....	Spring	0.8X5X25	5
78.....	TS-1524021.....	Socket Head Cap Screw	M8X10	5
79.....	SB-6.5MM.....	steel Ball	6.5	5
80.....	GHB1340A-G80.....	C-clip	40	2
83.....	GHB1340A-G83.....	O-Ring	40X3.1	2
84.....	GHB1340A-G84.....	O-Ring	30X3.1	2
85.....	GHB1340A-G85.....	Screw	M3X6	6
86.....	GHB1340A-G86.....	Key	5X8	1
99.....	GHB1340A-05503.....	Rubber Mat		1
	BDB1340A-05503.....	Rubber Mat		1
100.....	TS-1502041.....	Socket Set Screw	M5X16	2
101.....	GHB1340A-05105.....	Top Cover		1
	BDB1340A-05105.....	Top Cover		1
102.....	05723.....	Cover		1
103.....	GHB1340A-G103.....	Screw	M4X8	3
104.....	05722E.....	Plate		1
105.....	GHB1340A-G105.....	Screw	M3X5	5
106.....	GHB1340A-G106.....	Screw	M3X6	6
107.....	GHB1340A-G107.....	Tapered Tap	Z1/4"	1
108.....	05724.....	Oil Drain Pipe		1
109.....	05108.....	Extending Plate		1
110.....	TS-1502061.....	Socket Head Cap Screw	M5X25	2
111.....	05305.....	Slipper		1
112.....	05721.....	Slipper Shaft		1
113.....	GHB1340A-G113.....	C-clip	30	1
114.....	GHB1340A-G114.....	Pin	5X30	2
115.....	05107.....	Lever		1
116.....	05304.....	Sign Disc		1
117.....	06551.....	Oil Sight Glass		1

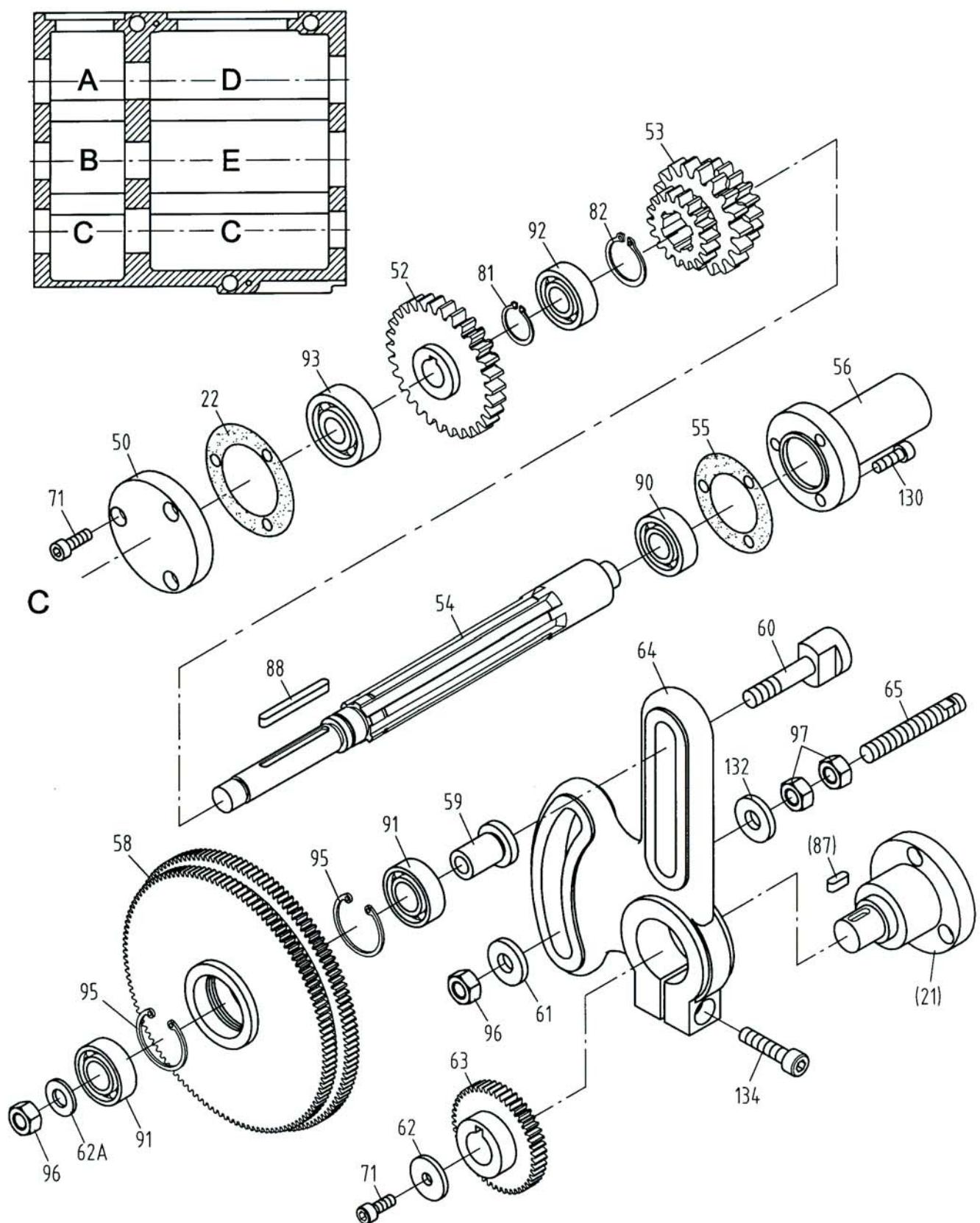
Gear Assembly II



Gear Assembly II

Index	Part No.	Description	Size	Qty.
21.....	32A5113.....	Cover		1
22.....	32A5503.....	Gasket		2
23.....	32A5712.....	Shaft		1
24.....	32A5710A.....	Gear	2.5m30T,20T	1
25.....	32A5719.....	Washer		2
27.....	05718.....	Gear	2.25m,3.25m,2.5m24T	1
29.....	05502.....	Gasket		1
30.....	05104.....	Bushing		1
31.....	05714E.....	Washer		1
32.....	05716.....	Shaft		1
33.....	32A5114.....	End cover		1
34.....	32A5504.....	Gasket		1
35.....	32A5716.....	Shaft		1
36.....	32A5714A.....	Gear	2.5m30T	1
37.....	32A5715A.....	Gear	2.5m20T	1
38.....	32A5713A.....	Gear	2.5m40T	1
39.....	32A5708.....	Washer		2
41.....	05719.....	Washer		2
42.....	05702.....	Gear	2.25m40T	1
43.....	05703.....	Gear	3.25m24T	1
44.....	05704.....	Gear	3.25m22T	1
45.....	05705.....	Gear	3.25m21T	1
46.....	05706.....	Gear	2.5m36T	1
47.....	05501.....	Gasket		1
48.....	05103.....	Flange		1
49.....	05717.....	Shaft		1
71.....	TS-1504031	Socket Head Cap Screw	M6X16	5
81.....	GHB1340A-G81.....	C-clip	20	1
82.....	GHB1340A-G82.....	C-clip	25	1
87.....	GHB1340A-G87	Key	5X14	1
88.....	GHB1340A-G88.....	Key	5X50	1
89.....	GHB1340A-G89.....	Key	8X110	1
90.....	BB-6202	Bearing	6202	5
92.....	BB-6004	Bearing	6004	1
94.....	BB-51105	Thrust Bearing	51105	2
98.....	GHB1340A-G98.....	Key	5X55	1
118	GHB1340A-G118	Round Nut	M24X1.5	2
119	05713.....	Connecting Sleeve	GHB-1340A	1
	BDB1340A-05713.....	Connecting Sleeve		1
120	GHB1340A-G120	Pin	5X35	4
121	05707.....	Washer		1
122	05708.....	Gear		1
123	05709.....	Inner Gear	2m30T	1
124	05711.....	Washer	2m30T	1
125	05302.....	Oil Light bushing		1
126	05710.....	XIB Shaft		1
127	GHB1340A-G127	Pin	5n6X14	2
128	GHB1340A-G128	Screw	M5X10	2
129	05301.....	Sliding Bearing		1
130	GHB1340A-G130	Socket Head Cap Screw	M6X12	6
131	GHB1340A-05712	Connecting Sleeve		1
133	05303.....	Bearing Housing		1

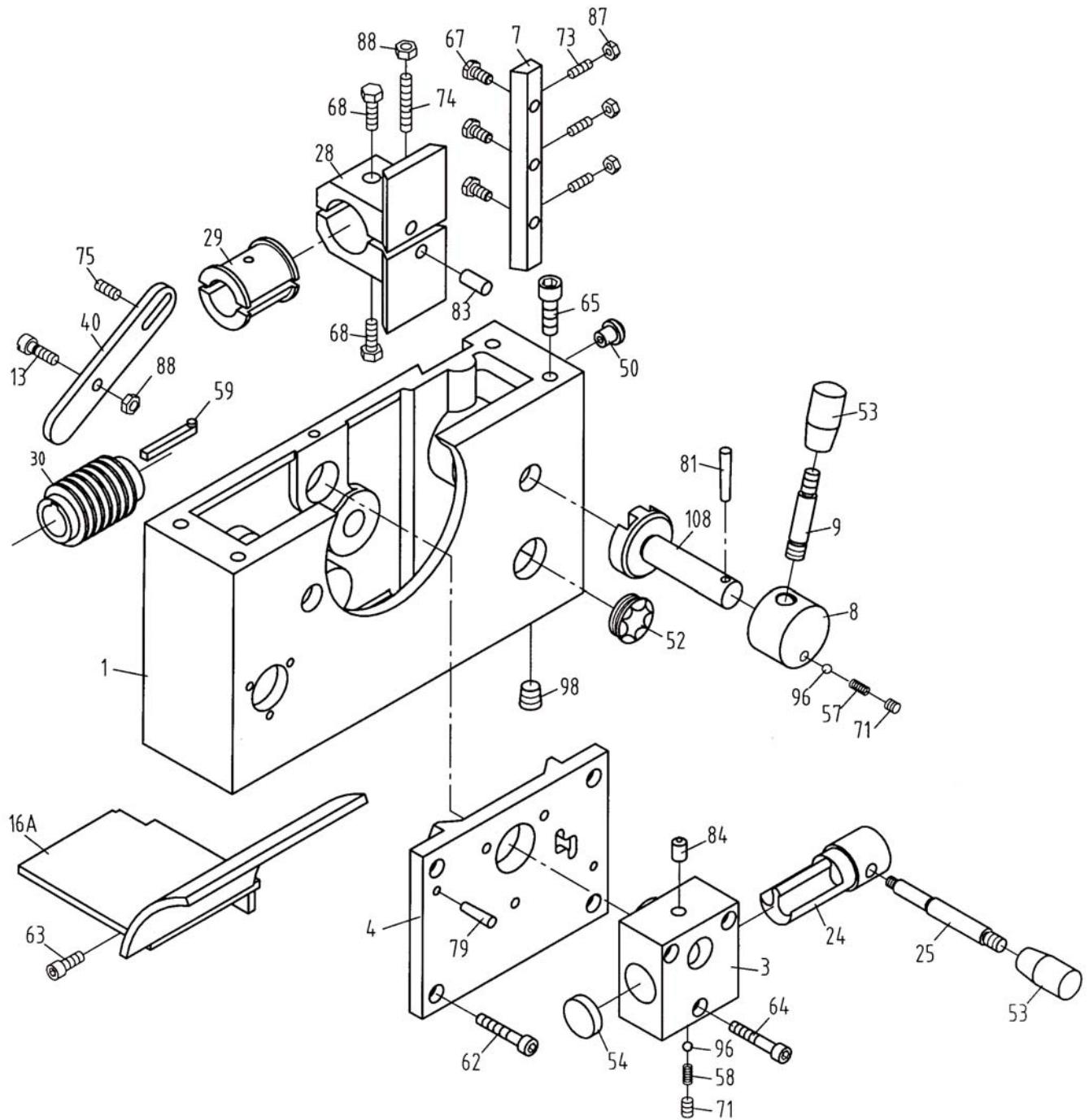
Gear Assembly III



Gear Assembly III

Index	Part		Description	Size	Qty.
No.	No.				
21.....	32A5113.....		Cover		1
22.....	32A5503.....		Gasket		1
50.....	32A5115.....		End cover		1
52.....	32A5718A.....		Gear	2.5m40T,15T	1
53.....	32A5721A.....		Gear	2.25m,3.25m,2.5m18T	1
54.....	05701.....		Key shaft		1
55.....	05505.....		Gasket		1
56.....	05102.....		Cover		1
58.....	40A5736.....		Gear	1.25m120T,127T	1
59.....	40A5738.....		Collar		2
60.....	40A5739.....		Screw		1
61.....	321719.....		Washer		1
62.....	40A5740.....		Washer		1
62A.....	40A5740.....		Washer		1
63.....	32A5726A.....		Gear	1.25m48T	5
64.....	32A5119.....		Gear Frame		1
65.....	321718.....		Screw rod		1
71.....	ts-1504031.....		Socket Head Cap Screw	M6x16	4
81.....	GHB1340A-G81.....		C-clip	20	1
82.....	GHB1340A-G82.....		C-clip	25	1
87.....	GHB1340A-G87.....		Key	5X14	1
88.....	GHB1340A-G88.....		Key	5X50	1
90.....	BB-6202.....		Bearing	6202	1
91.....	BB-6103.....		Bearing	6103	2
92.....	BB-6004.....		Bearing	6004	1
93.....	BB-6302.....		Thrust Bearing	6302	1
95.....	GHB1340A-G95.....		C-clip	35	2
96.....	GHB1340A-G96.....		Hex Nut	M10	1
97.....	TS-1540081.....		Hex Nut	M12	3
130.....	TS-1503031.....		Socket Head Cap Screw	M6X12	3
132.....	TS-2360121.....		Washer		1
134.....	GHB1340A-G134.....		Hex Socket Cap Screw	M8X30	1

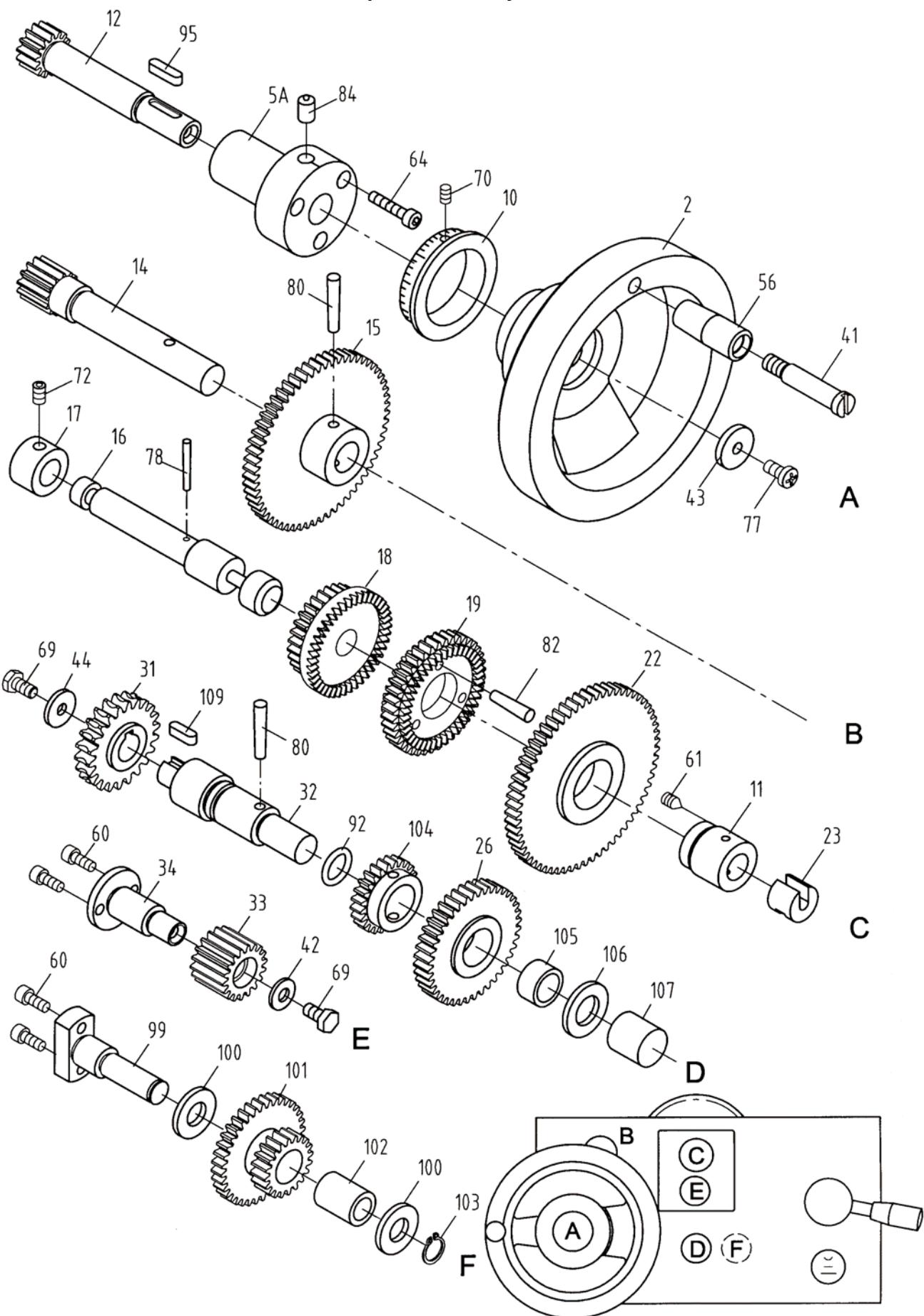
Apron Assembly I



Apron Assembly I

Index	Part No.	Description	Size	Qty.
1.....	GHB1340A-06101A.....	Casting		1
3.....	06103.....	Housing		1
4.....	06104.....	Cover		1
7.....	06107.....	Gib		1
8.....	06208.....	Handle Hub		1
9.....	06209.....	Handle		1
13.....	06213.....	Gear Pin		1
16A	06415.....	Bracket		1
24.....	06222.....	Shift Lever		1
25.....	06223.....	Shift Handle.....		1
28.....	06126.....	Bracket		1
29.....	06427E	Half Nut.....		1
30.....	06228A	Worm	2m1T.....	1
40.....	06238.....	Bar		2
50.....	06548.....	Oil Sight Collar		1
52.....	06551.....	Oil Sight.....		1
53.....	06553.....	Knob	M8X40	2
54.....	Z06554	Plug "A".....		1
57.....	06257.....	Spring		1
58.....	06258.....	Spring		1
59.....	06260.....	Key		1
62.....	TS-1503031	Hex Socket Cap Screw	M6x12	4
63.....	TS-1503041	Hex Socket Cap Screw	M6x16	1
64.....	TS-1503061	Hex Socket Cap Screw	M6x25	2
65.....	TS-1504061	Hex Socket Cap Screw	M8x30	4
67.....	GHB1340-A67	Screw	M5x16	3
68.....	TS-1523041	Set Screw	M6x12	2
71.....	TS-1523011	Set Screw	M6x6	3
73.....	TS-1522051	Set Screw	M5x16	3
74.....	GHB1340-A77	Set Screw	M6x35	1
75.....	TS-1523031	Set Screw	M6x10	1
79.....	GHB1340-A79	Pin	5x20	2
81.....	GHB1340-A81	Pin	5x32	1
83.....	GHB1340-A83	Pin	8n6x12	2
84.....	GHB1340-A84	Oiler	8	2
87.....	TS-1540031	Hex Nut	M5	3
88.....	TS-1540041	Hex Nut	M6	2
96.....	SB-5MM	Steel Ball .....	.5	2
98.....	GHB1340-A98	Plug	Z1/4".....	1
108	06261.....	Half Nut controlling Shaft		1

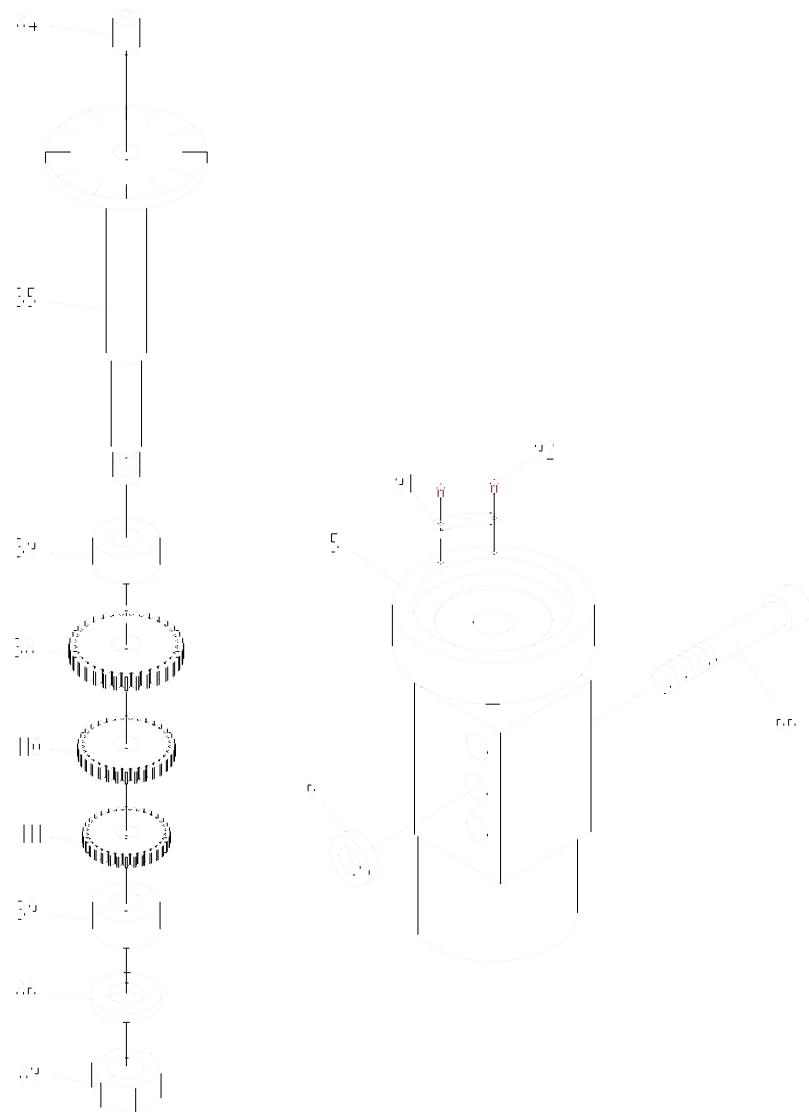
Apron Assembly II



Apron Assembly II

Index	Part No.	Description	Size	Qty.
2.....	06102.....	Handle wheel		2
5A.....	06105A.....	Hub		1
10.....	06510E.....	Index Ring		1
11.....	Z06111.....	Cover		1
12.....	06212.....	Shaft	1.5m14T	1
14.....	06214.....	Gear Shaft.....	1.5m13T	1
15.....	06215.....	Gear	1.5m60T	1
16.....	06216.....	Shaft		1
17.....	06417.....	Collar		1
18.....	06218.....	Gear	1.5m30T	1
19.....	06219.....	Gear	1.5m40T	1
22.....	06220.....	Gear	1.5m46T	1
23.....	06421.....	Shift Fork.....		1
26.....	GHB1340A-06704.....	Gear	1.5m40T	1
31.....	06429A.....	Gear	2m22T	1
32.....	GHB1340A-06714.....	Shaft		1
33.....	06231.....	Gear	1.5m18T	1
34.....	06232.....	Shaft		1
41.....	06239.....	Screw		1
42.....	TS-1550041	Washer		1
43.....	Z06241	Washer		1
44.....	06242.....	Washer		1
56.....	06556.....	Handle		1
60.....	TS-1502031	Hex Socket Cap Screw	M5x12	2
61.....	TS-1523011	Set Screw	M6x6	1
64.....	TS-1503061	Hex Socket Cap Screw	M6x25	3
69.....	TS-1503021	Screw	M6x10	2
70.....	TS-1522011	Set Screw	M6x6	2
72.....	TS-1523031	Set Screw	M6x10	1
77.....	GHB1340-A77	Screw	M6x12	1
78.....	GHB1340-A78	Pin	3x25	1
80.....	GHB1340-A80	Pin	5x30	2
82.....	GHB1340-A82	Pin	5x25	3
84.....	GHB1340-A84	Oiler	8	1
92.....	GHB1340-A92	O-Ring	20x2.4	1
95.....	GHB1340-A95	Key	A5x18	1
99.....	GHB1340A-06732	Shaft		1
100.....	GHB1340A-06114	Washer		2
101.....	GHB1340A-06734	Gear	1.5m20T36T	1
102.....	GHB1340A-06115	Collar		1
103.....	GHB1340A-A103.....	Shaft Plug		1
104.....	GHB1340A-06731	Gear	1.5m24T	1
105.....	GHB1340A-06113	Collar		1
106.....	GHB1340A-06111	Washer		1
107.....	GHB1340A-06112	Shaft Plug		1
109.....	GHB1340A-A109.....	Key	5x12	1

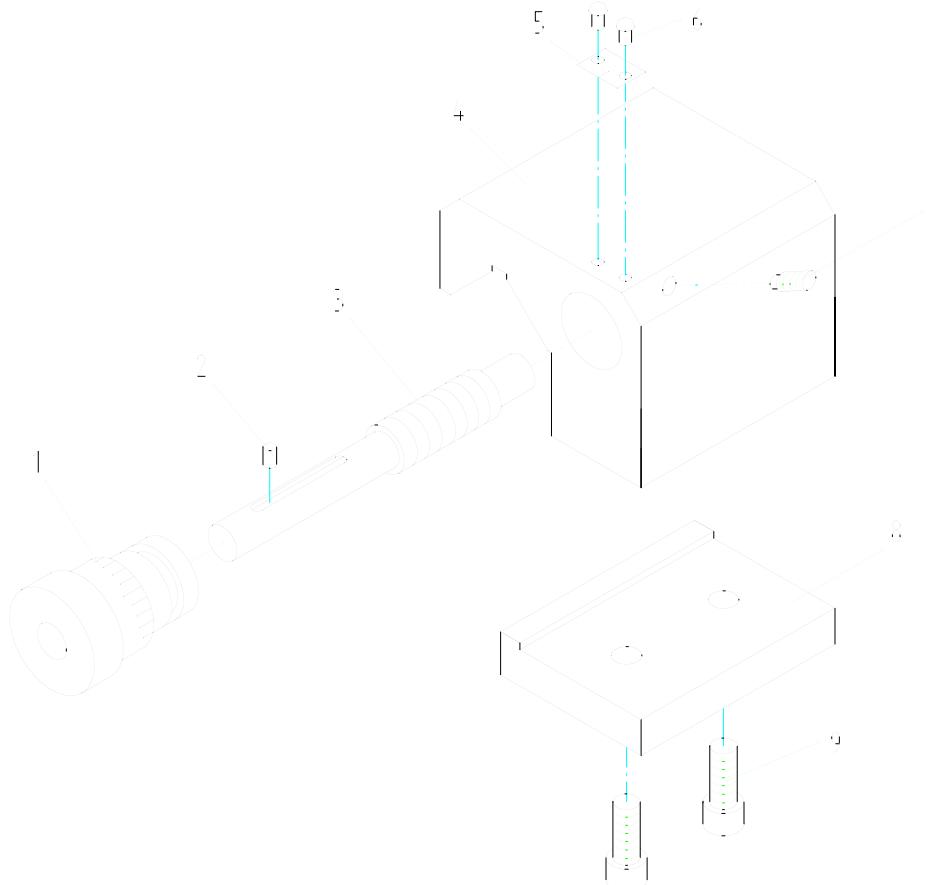
Apron Assembly III



Apron Assembly III

Index	Part No.	Description	Size	Qty.
5.....	Z06105	Threading Dial Body		1
6.....	06206.....	Washer		1
35.....	06233E	Threading Dial Shaft.....		1
38.....	GHB1340A-06309E.....	Gear	1.25m27T	1
39.....	06237.....	Spacer		2
66.....	TS-1504101	Hex Socket Cap Screw	M8x50	1
84.....	GHB1340-A84	Oiler	8	1
86.....	GHB1340-A86	Lock Washer	M8	1
89.....	TS-1540061	Hex Nut	M8	1
90.....	GHB1340-A90	Rivet.....	2x5	8
91.....	GHB1340-06310E	Positioning Sign Plate		1
92.....	GHB1340-A92	Rivet.....	3x8	2
110	GHB1340A-06309E.....	Gear.....	1.25m20T	1
111	GHB1340A-06309E.....	Gear.....	1.25m21T	1

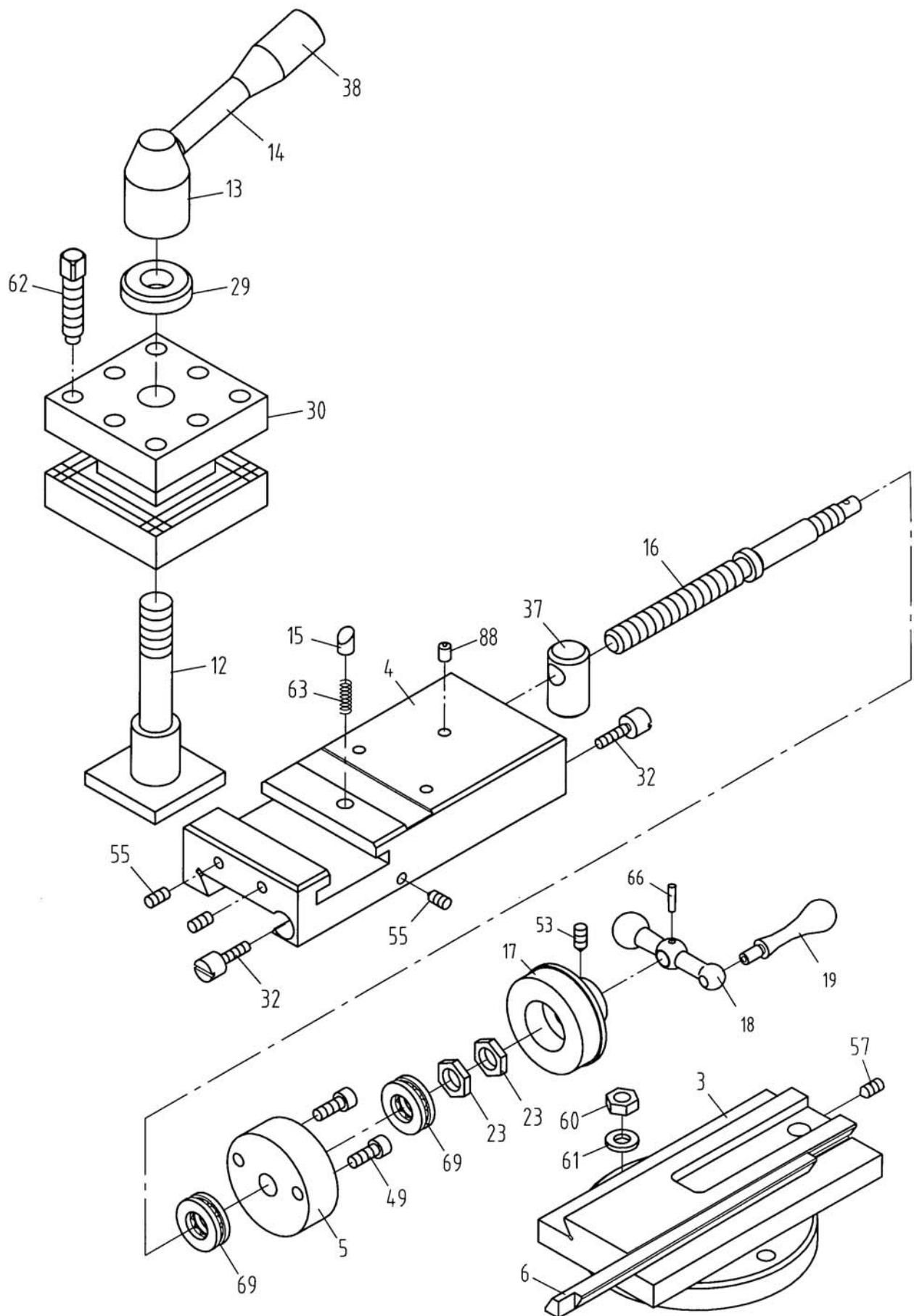
Micro Carriage Stop Assembly



Micro Carriage Stop Assembly

Index Part		Description	Size	Qty.
1	GH1340A-01707E	Dial.....		1
2	GHB1340A-MS02.....	Pin	B3X6	1
3.....	GH1340A-01716E	Axle		1
4	GHB1340A-01107E	Stop		1
5	ZX-03302	Sign Plate		1
6	ZX-MS06	Nail.....	3X8.....	2
7	TS-1523031	Hex Socket Set Screw.....	M6X10.....	1
8	GH1340A-01108	Clamping Plate		1
9	TS-1503051	Hex Socket Cap Screw	M6X20.....	2

Top Slide, Tool Post, Saddle, and Cross Slide I

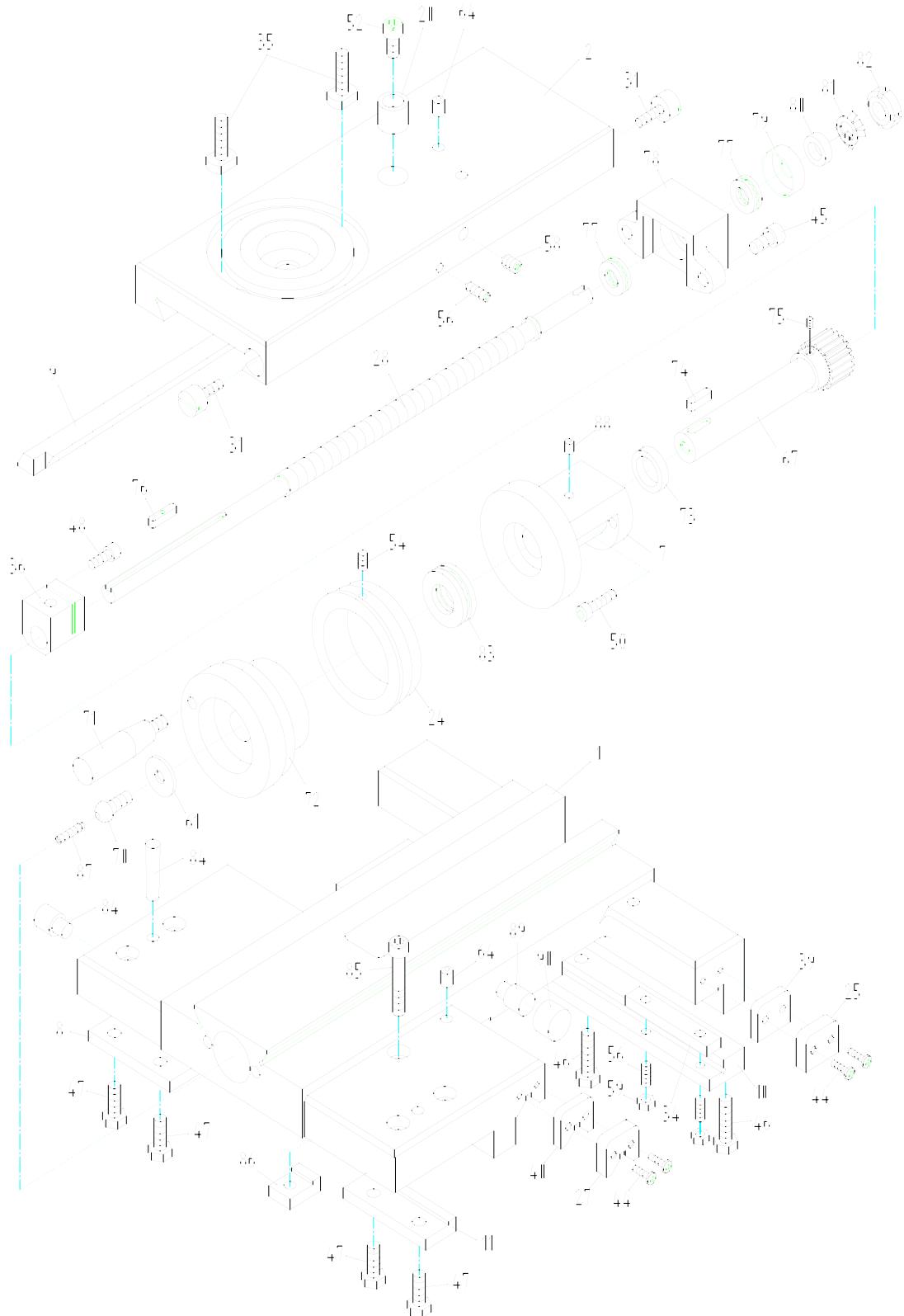


Top Slide, Tool Post, Saddle, and Cross Slide I

Index Part

No.	No.	Description	Size	Qty.
3.....	07103.....	Swivel Slide		1
4	07104	Top Slide		1
5	07111.....	Collar		1
6	07117.....	Collar		1
12.....	07205.....	Screw.....		1
13.....	07206.....	Handle Base		1
14.....	07207.....	Handle Shaft		1
15.....	07209.....	Stop		1
16.....	07210E	Screw.....		1
17.....	07212E	Index Ring		1
18.....	07213.....	Lever.....		1
19.....	07214.....	Lever.....		2
23.....	07221.....	Nut		4
29.....	07233.....	Washer		1
30.....	07234.....	Post Base		1
32.....	07237.....	Gib Adjusting Screw		2
37.....	07430E	Nut		1
38.....	07508.....	Knob		1
49.....	TS-1503051	Hex Socket Cap Screw	M6×20	2
53.....	TS-1523011	Set Screw	M6×6	1
55.....	TS-1523031	Set Screw	M6×10	3
57	TS-1524011	Set Screw	M8×8	1
60.....	TS-1540061	Hex Nut	M8	2
61.....	TS-1550061	Washer	M8	1
62.....	GHB1340-62T	Screw	M10×40	8
63.....	GHB1340-63T	Spring	0.6×4×18	1
66.....	GHB1340-66T	Pin	3×16	1
69.....	GHB1340-69T	Ball Bearing		2
.....	GHB1340-TSA	Top Slide Assembly w/o Tool Post		1
70.....	07545.....	Screw	M8×20	1
88.....	GHB1340-88	Oil Ball	6	1

Top Slide, Tool Post, Saddle, and Cross Slide II

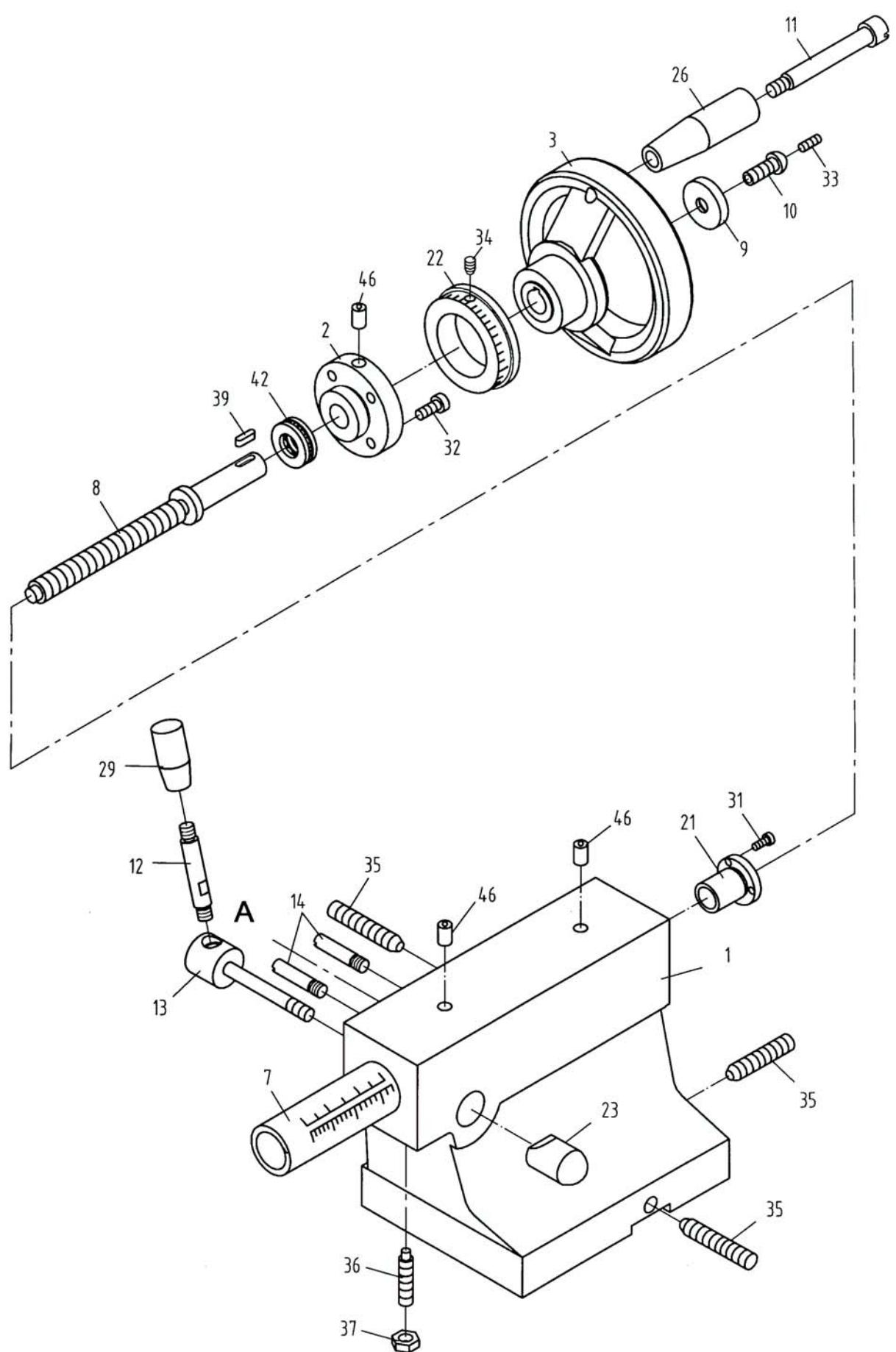


Top Slide, Tool Post, Saddle, and Cross Slide II

Index Part

No.	No.	Description	Size	Qty.
1.....	GHB-1340A-04101A	Saddle		1
2	07102.....	Cross Slide		1
7	07120N	Bearing Housing		1
8	07123.....	Strip		1
9	07131.....	Gib		1
10.....	07132.....	Strip		1
11.....	C0632-04111A.....	Front Strip.....		1
20.....	07216.....	Collar		1
24.....	07222NE	Index Ring		1
25.....	07224.....	Plate.....		2
27.....	07227.....	Plate.....		2
28.....	07229NE	Screw.....		1
31.....	07236.....	Gib Adjusting Screw		2
34.....	07239.....	Gib Strip		2
35.....	07240.....	T-Bolt		2
36.....	07415NE	Block		1
39.....	07526.....	Wiper		2
40.....	07528.....	Wiper		2
44.....	GHB1340-44T	Screw.....	M4×12	8
45.....	TS-1504051	Hex Socket Cap Screw	M8×25	2
45A	TS-1504061	Lock Washer	M8	2
46.....	GHB1340-46T.....	Screw	M8×20	3
47.....	GHB1340-47T	Screw	M8×20	4
48.....	TS-1503041	Hex Socket Cap Screw	M6×16	1
50.....	TS-1503061	Hex Socket Cap Screw	M6×25	2
52.....	TS-1504031	Hex Socket Cap Screw	M8×16	1
54.....	TS-1523021	Set Screw	M6×8	1
56	TS-1523071	Set Screw	M6×25	5
58	TS-1524021	Set Screw	M8×10	1
59	TS-1540041	Hex Nut	M6	4
61.....	TS-1550061	Washer	M8	1
61A	GHB1340-65T	Washer		1
64.....	GHB1340-64T	Oil Ball	8	5
67.....	07530.....	Gear Shaft		1
70.....	TS-1504041	Screw	M8×20	1
71.....	07531.....	Handle		1
72.....	07532.....	Compound Handle		1
73.....	07533.....	Spacer		1
74.....	07534.....	Key		1
75.....	07535.....	Set Screw	M3×8	1
76.....	07536.....	Key	5×5×30	1
77.....	BB-8101	Thrust Bearing	8101	2
78.....	07538.....	Bearing Housing		1
79.....	07539.....	Bearing Dust Cover		1
80.....	07540.....	Washer		1
81.....	07541.....	Star Washer		1
82.....	07542.....	Locking Nut		1
83.....	BB-8104	Thrust Bearing	8104	1
84.....	GHB1340-84	Taper Pin	8×40	2
85.....	GHB1340-85	Hex Socket Cap Screw	M8×50	1
86.....	GHB1340-86	Locking Washer		1
87.....	GHB1340-87	Screw	M5×20	1
88.....	GHB1340-88	Oil Ball	6	1
89.....	GHB-1340A-04788	Saddle		1
90.....	GHB1340A-04507E.....	Stop Pin Cap		1

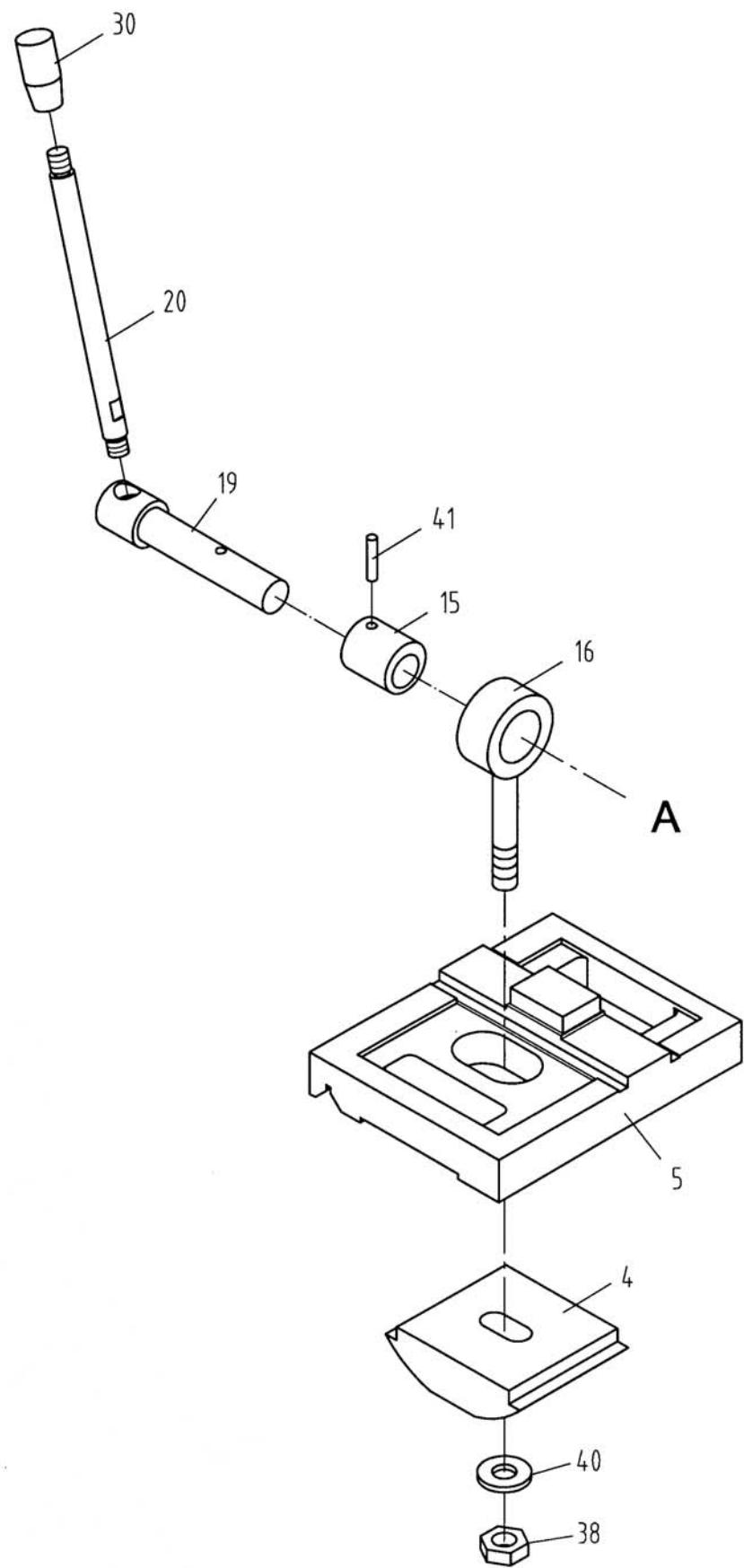
91	GHB1340A-04789E	Stop Pin.....	.....	.....	1
Tailstock Assembly I					



Tailstock Assembly I

Index Part No.	No.	Description	Size	Qty.
1	Z08101	Casting		1
2	Z08102	Flange Cover		1
3	08103	Hand wheel		1
7	08202	Quill		1
8	Z08203E	Screw		1
9	GHB1340-09TS	Washer		1
10	Z08205	Screw	M8×20	1
11	08206	Screw		1
12	Z08207	Lever		1
13	08208	Shaft		1
14	08209	Screw		2
21	08401E	Nut		1
22	08402E	Index Ring		1
23	08403	Pivot Block		1
26	08501	Handle		1
29	GHB1340-29TS	Handle	M8×40	1
31	TS-1501031	Hex Socket Cap Screw	M4×10	3
32	TS-1503041	Hex Socket Cap Screw	M6×16	4
33	TS-1522061	Set Screw	M5×20	1
34	TS-1523031	Set Screw	M6×8	1
35	GHB1340-35TS	Set Screw	M10×45	3
36	GHB1340-36TS	Screw	M8×35	1
37	TS-1540061	Hex Nut	M8	1
39	GHB1340-39TS	key	4×15	1
42	BB-51102	Bearing	8102	1
46	GHB1340-43TS	Oil Ball	8	3
	Z08201	Live Center (not shown)	MT3	1
	8404	Arrow Plate (not shown)		1
	8405	Scale Plate (not shown)		1

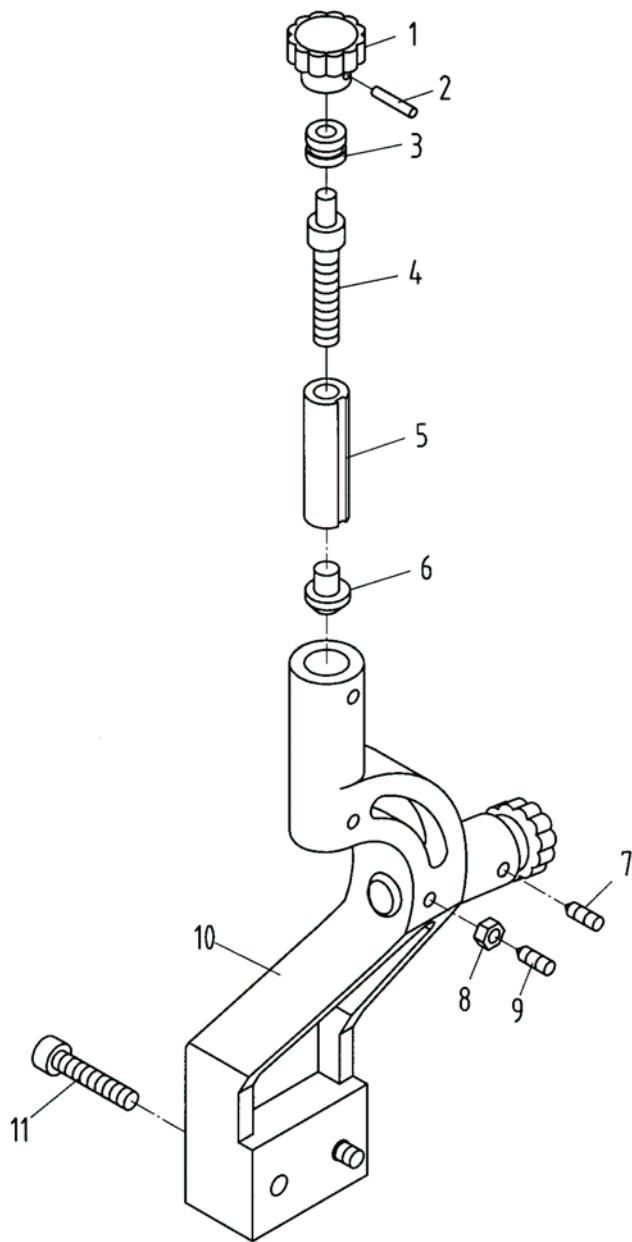
Tailstock Assembly II



Tailstock Assembly II

Index Part No.	No.	Description	Size	Qty.
4	08104.....	Clamp Plate.....		1
5	08105	Base.....		1
15.....	08211.....	Collar		1
16.....	08212.....	Screw.....		1
19.....	08213.....	Shaft		1
20.....	08214.....	Lever.....		1
30.....	GHB1340-147	Handle	M10×50	1
38.....	TS-1540081	Hex Nut	M12	1
40.....	TS-2360121	Washer.....	M12	1
41.....	GHB1340-41TS	Pin.....	5×25	1

Follow Rest

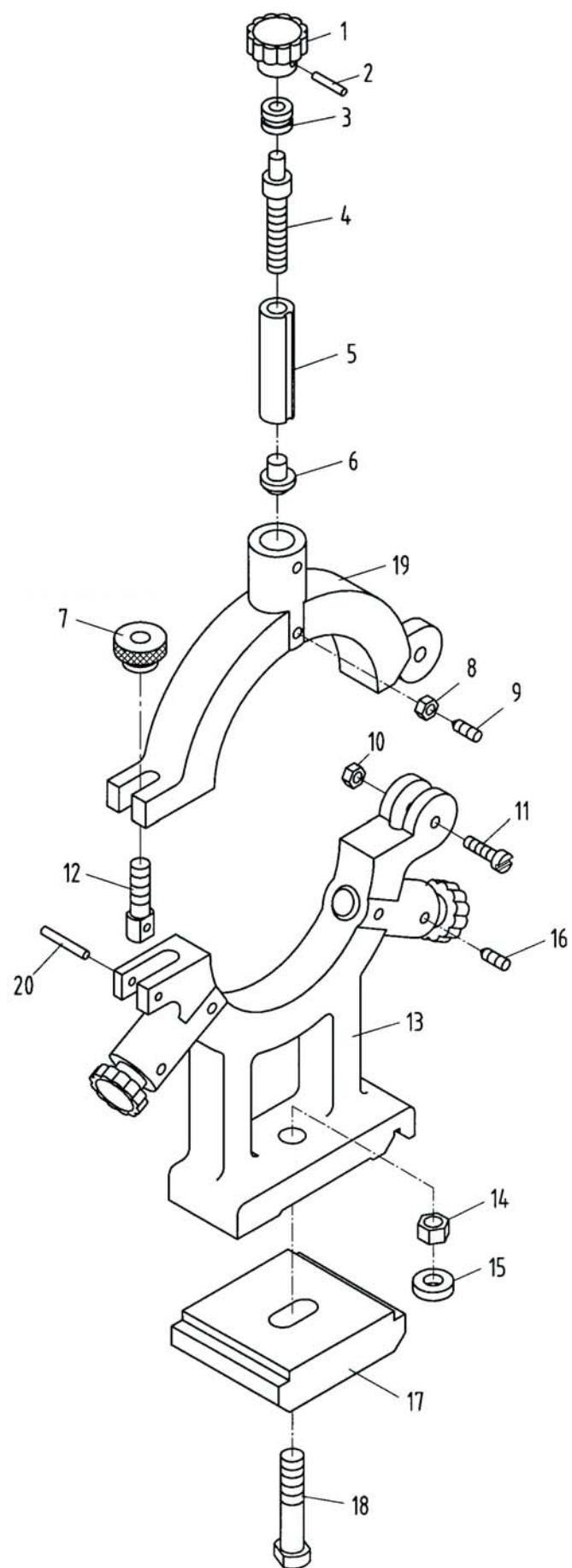


Follow Rest

Index Part			Size	Qty.
No.	No.	Description		
1	GHB1340-1FR	Knob		2
2	GHB1340-2FR	Pin	3×18	2
3	10208	Bushing		2
4	10204	Screw		2
5	10201	Sleeve		2
6	10401	Brass Finger		2
7	TS-1523011	Set Screw	M6×8	2
8	TS-1540041	Nut	M6	2
9	TS-1523061	Set Screw	M6×16	2
10	10104	Base Casting		1

11	TS-1504071	Hex Socket Cap Screw	M8×35	2
.....	GHB1340-FR	Follow Rest Complete		1

Steady Rest



Steady Rest

Index Part

No.	No.	Description	Size	Qty.
1	GHB1340-1FR	Knob		3
2	GHB1340-2FR	Pin	3×18	3
3	10203	Bushing		3
4	10204	Screw		3
5	10201	Sleeve		3
6	10401	Brass Finger		3
7	10205	Lock Knob		1
8	TS-1540041	Nut	M6	3
9	TS-1523051	Set Screw	M6×16	3
10	TS-1540041	Nut	M6	1
11	GHB1340-11SR	Bolt	M6×30	1
12	10206	Pivot Bolt		1
13	10102	Base Casting		1
14	TS-1540081	Nut	M12	1
15	TS-1550081	Flat Washer	M12	1
16	TS-1523021	Set Screw	M6×8	3
17	10103	Clamp Pad		1
18	TH1340-18SR	Clamp Screw		1
19	10101	Top Casting		1
20	GHB1340-20SR	Pin	5×25	1
	GHB1340-SR	Steady Rest Complete		1

Additional Parts (Not Shown)

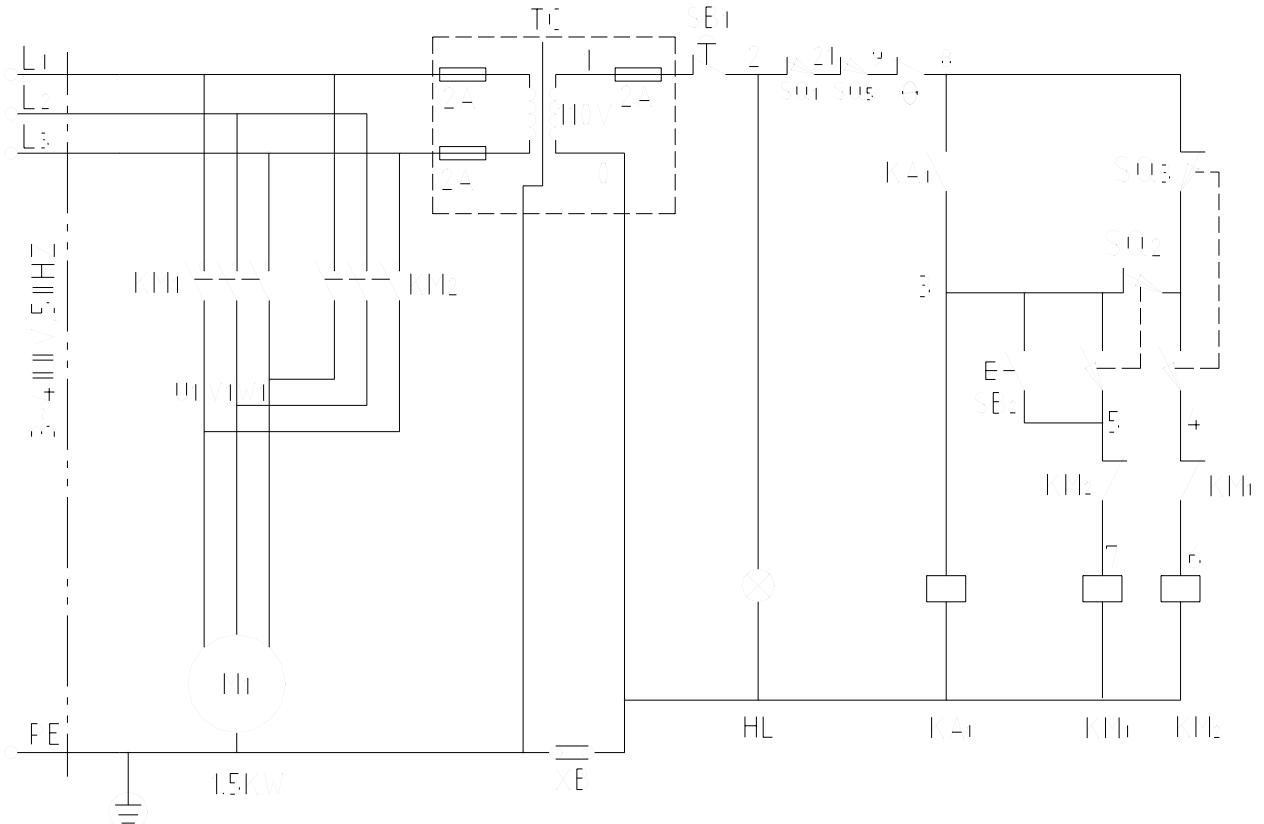
No.	No.	Description	Size	Qty.
-----	-----	-------------	------	------

..... GHB1340-FP	Face Plate	12"D1-4	1
..... GHB1340-TBC	Tool Box Complete		1
..... 321449	Chuck	6", 3-jaw	1
..... 321430	Chuck	8", 4-jaw	1
..... GHB1340A-CG1E	Change Gear	1.25m30T	1
..... GHB1340A-CG2E	Change Gear	1.25m52T	1
..... GHB1340A-CG3E	Change Gear	1.25m60T	1

Additional Electrical Components (Not Shown)

Index Part				
No.	No.	Description	Size	Qty.
..... 321320EA		Motor (2HP, 3Ph, 50HZ, 400V)		1
..... GHB1340-MP		Motor Pulley		1
..... GHB1340-EBC		Electrical Box Complete		1
..... GHB1340-18701		Electrical Box (bare)		1
..... GHB1340-JB		Motor Junction Box		1
..... GHB1340A-RSB		Rotary Switch Box		1
..... GHB1340A-SP		Electric Switch Plate (GHB1340A Only)		1

Electrical Schematic

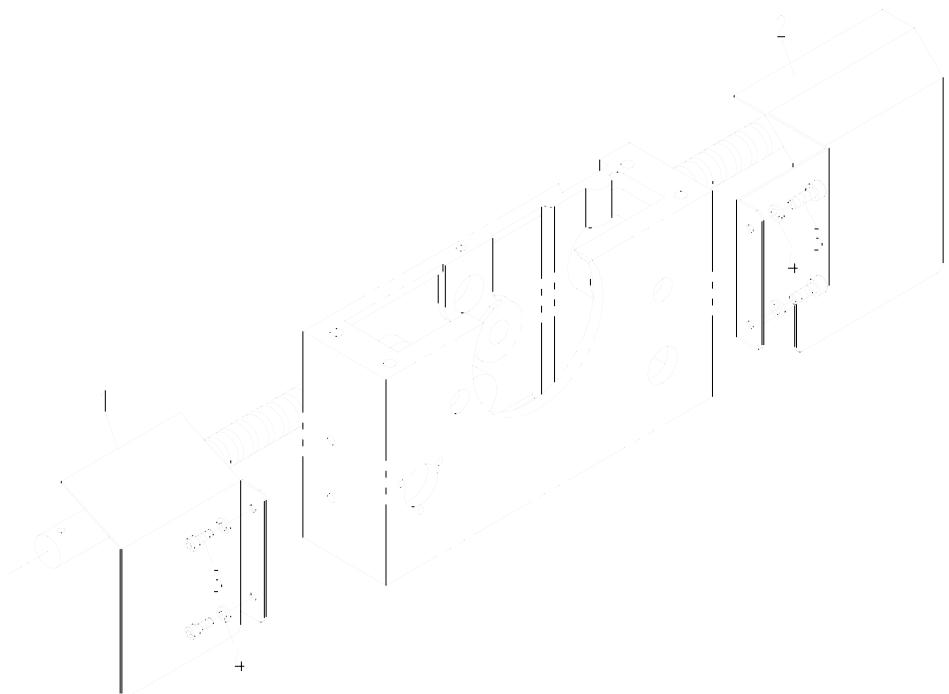


Electrical Schematic

Index Part		Description	Size	Qty.
No.	No.			
1	GHB1340-SB1	Emergency Stop	LAY12	1
2	GHB1340-SB2	Jog Button	LAY12	1
3	GHB1340-HL	Power Indicator Light.....	LAY12	1
4	GHB1340-KA1	Relay	DN40	1
5	GHB1340-KM1	A.C Contactor	CJX4-1201d	1
6	GHB1340-KM2	A.C Contactor	CJX4-1201d	1
7	GHB1340-TC	Control Transformer	JBK6-100TH	1
8	GHB1340-SQ1	Stroke Switch	LWX5-11Q1	1
9	GHB1340-SQ2	Stroke Switch	LWX5-11D1	1
10	GHB1340-SQ3	Stroke Switch	LWX5-11D1	1
11	GHB1340-XT1	Wiring Board	JH9	1
12	GHB1340-XB	Copper Plate (for grounding)		1
13	GHB1340-SQ5	Stroke Switch	QKS8	1

Note: You can have a choice as per situation.

Protecting guards for three rods

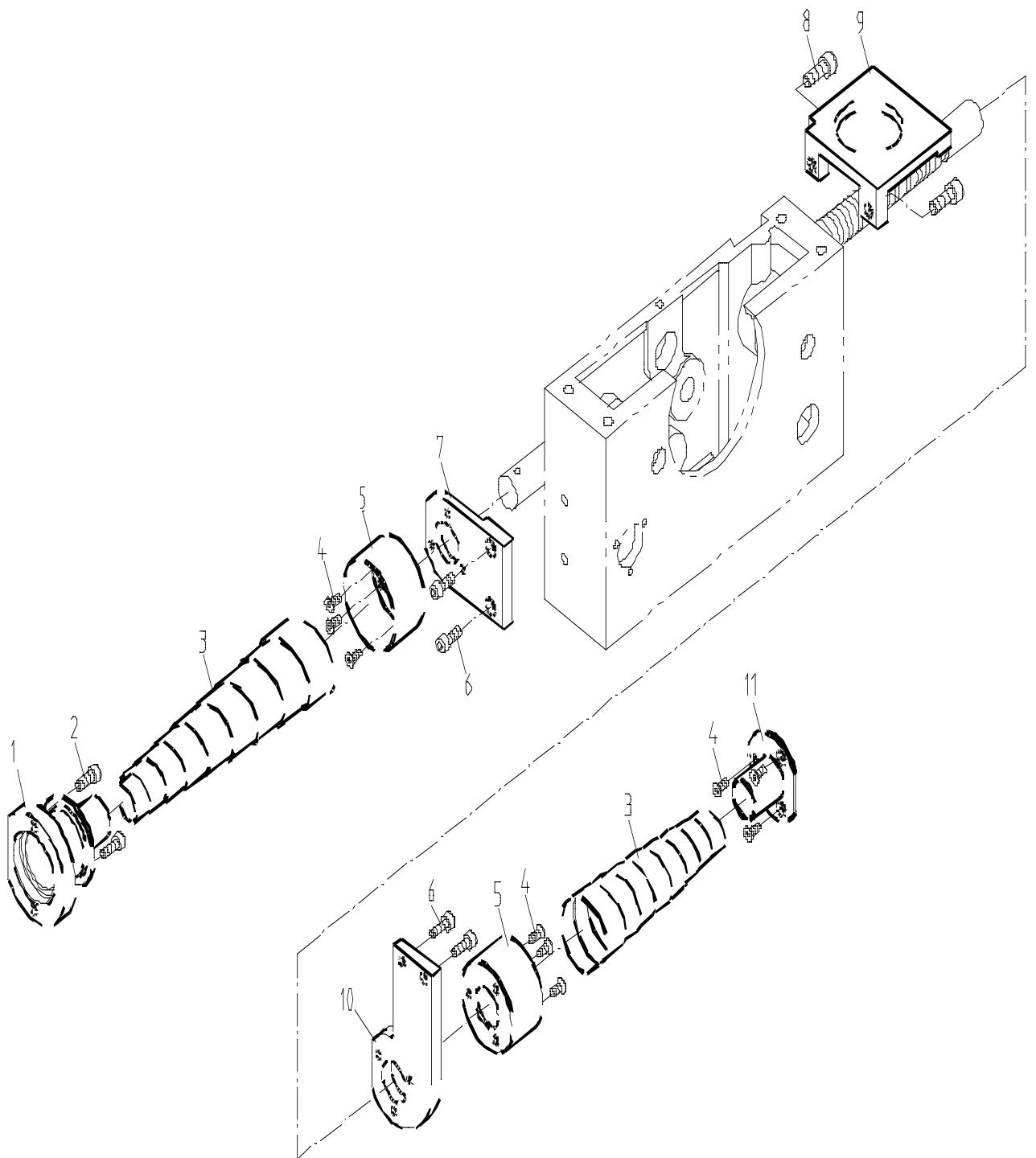


Protecting guards for three rods

Index..Part No.	No.	Description	Size	Qty.
1.....	GHB1340A-20701E.....	Splash Guard		1
2.....	GHB1340A-20702E.....	Splash Guard		1
3.....	GHB1340A-P03E	Hex Socket Cap Screw	M6x8	4
4.....	GHB1340A-P04E	Washer	6	4

Note: You can have a choice as per situation.

Total Leadscrew Cover

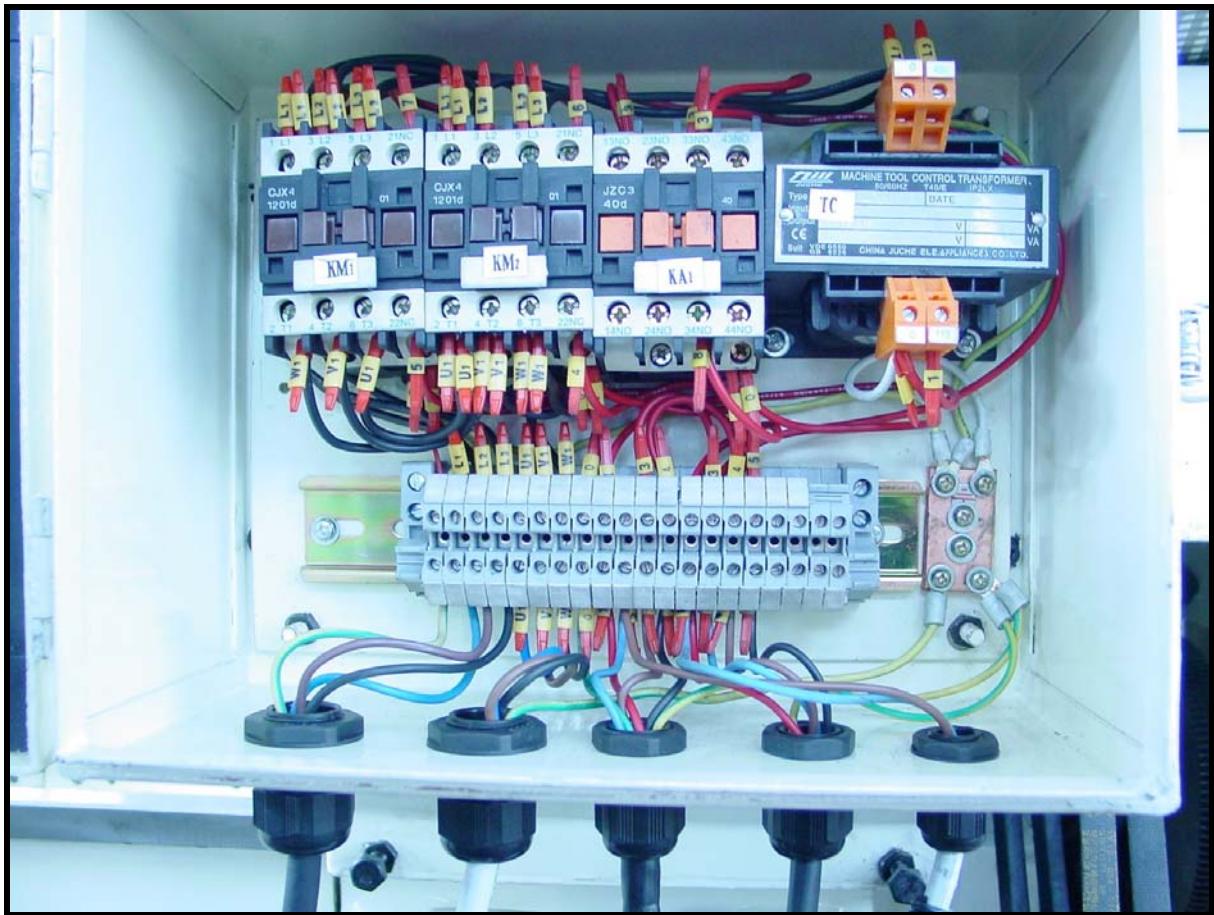


Total Leadscrew Cover

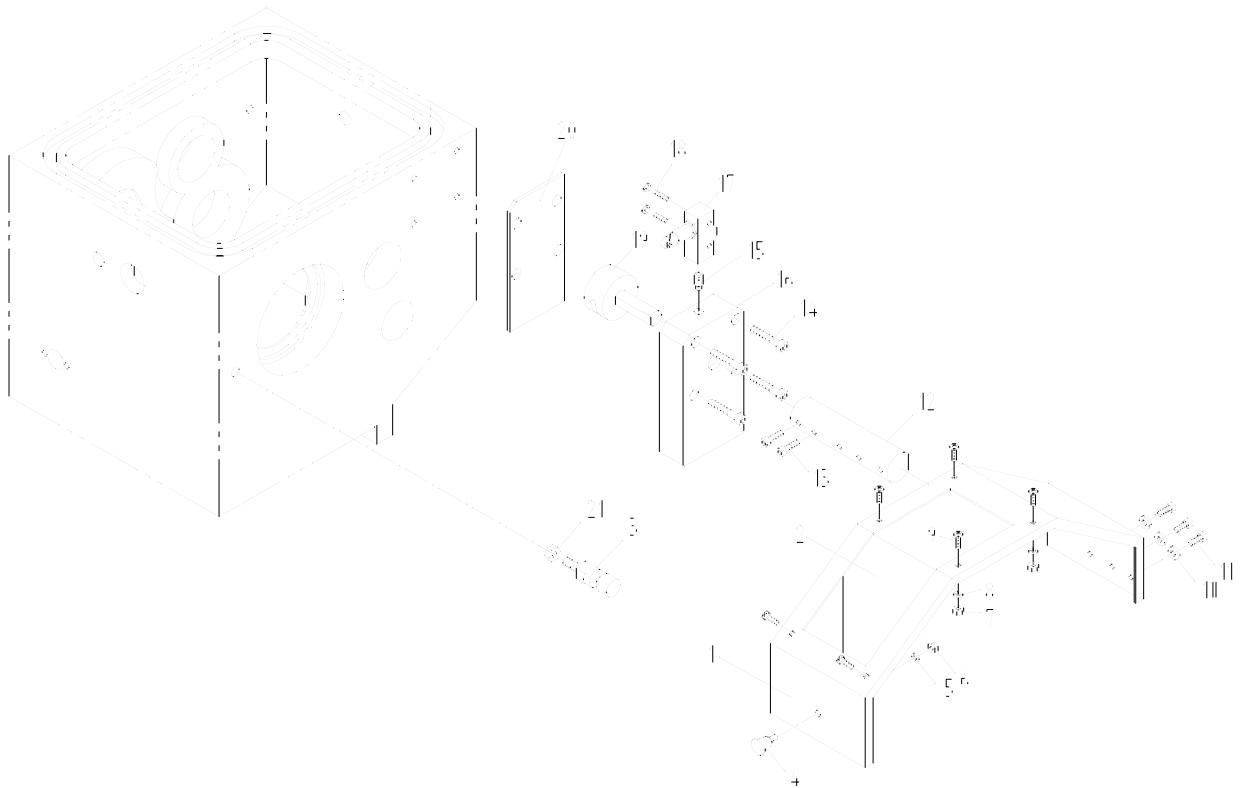
Index . Part			Size	Qty.
No.	No.	Description		
1.....	GHB-1340A-14701	Left Small End Flange		1
2.....	GB70	Hex Socket Cap Screw	M6x20	2
3.....	LGB28-900-45	Telescoping Steel Sheet Cover (1000 Size).....		2
	LGB28-650--45	Telescoping Steel Sheet Cover (750 Size).....		2
	LGB28-400-40	Telescoping Steel Sheet Cover (500 Size).....		2
4.....	GB819	Cross Recessed Head Screw	M5x12	9
5.....	C0632A-14702.....	Protector Big End Flange		2
6.....	GB70	Hex Socket Cap Screw	M6x12	4
7.....	C0632A-14101.....	Left Big End Flange Bracket		1
8.....	GB70	Hex Socket Cap Screw	M8x16	2
9.....	C0632A-14102.....	Connecting Plate		1
10.....	C0632A-14103.....	Right Big End Flange Bracket		1
11.....	C0632A-14703.....	Right Small End Flange		1

Note: You can have a choice as per situation.

Wiring Photo

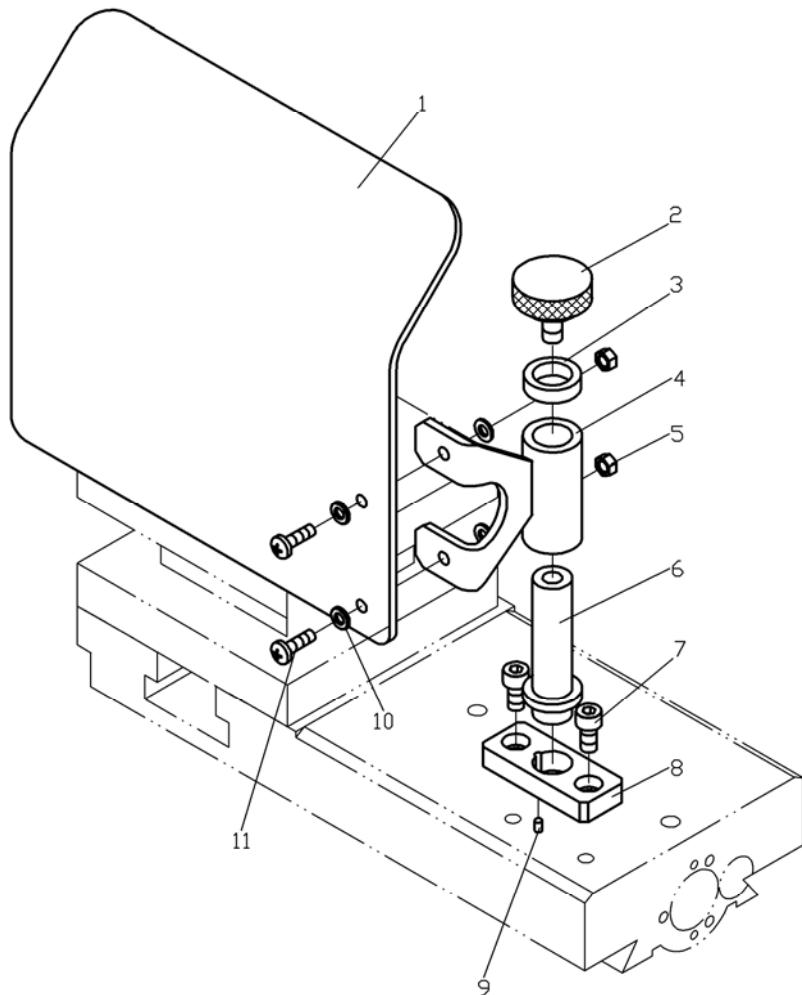


Chuck Guard



Index..Part No.	No.	Description	Size	Qty.
1.....	GHB1340A-19701E.....	Protection guard		1
2.....	GHB1340A-19501E.....	Protection guard visual glass.....		1
3.....	ZX-19704E	Fixing rod.....		1
4.....	GHB1340A-SG04	Handle	HY32-1	1
5.....	GHB1340A-SG05	Spring lock washers	5	1
6.....	GHB1340A-SG06	Hexagon nuts	M5	1
7.....	GHB1340A-SG07	Hexagon thin nuts.....	M4	6
8.....	GHB1340A-SG08	Plain washers.....	5	6
9.....	GHB1340A-SG09	Cross point pan head screws	M4x12	6
10.....	GHB1340A-SG10	Plain washers.....	5	3
11.....	GHB1340A-SG11	Hexagon socket cap head screws.....	M6x16	3
12.....	GHB1340A-19703E.....	Rest bar		1
13.....	GHB1340A-SG13	Slotted set screws	M8x10	2
14.....	GHB1340A-SG14	Hexagon socket cap head screws.....	M6x35	4
15.....	GHB1340A-SG15	Hexagon socket set screws	M8x16	1
16.....	GH1440A-19101E	Switch box		1
17.....	GHB1340A-SG17	Stroke switch.....	LXW5-11Q1	1
18.....	GHB1340A-SG18	Slotted pan head screws.....	M4x25	2
19.....	GHB1340A-19702E.....	Shaft		1
20.....	ZX-19502E	Washer		1
21.....	GHB1340A-SG21	Nut	M8	1

Tool Post Guard



Index..Part No.	No.	Description	Size	Qty.
1.....	C0632A-20501	Shield.....		1
2.....	GH-1440A-20701	Clamping Screw.....		1
3.....	GH-1440A-20703	Washer		1
4.....	GH-1440A-20704	Sleeve.....		1
5.....	GB6170	Nut	M5	2
6.....	GH-1440A-20705-1	Bracket		1
7.....	GB70	Hex Socket Cap Screw	M6x12	2
8.....	GH-1440A-20705-2	Bracket		1
9.....	GB71	Slotted Set Screw	M4x8	1
10.....	GB97	Washer	5	4
11.....	GB818	Cross Recessed Pan Head Screw	M5x20	2

Note: You can have a choice as per situation.