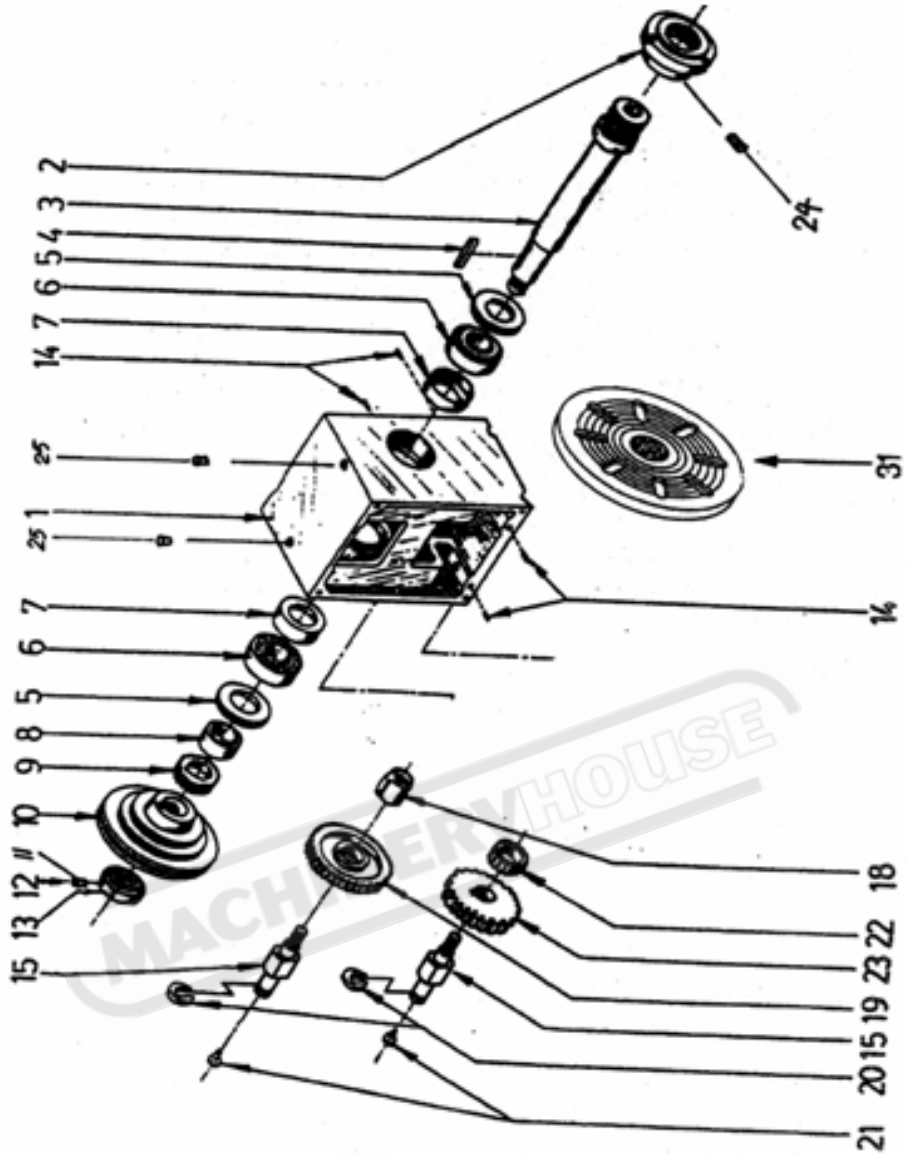
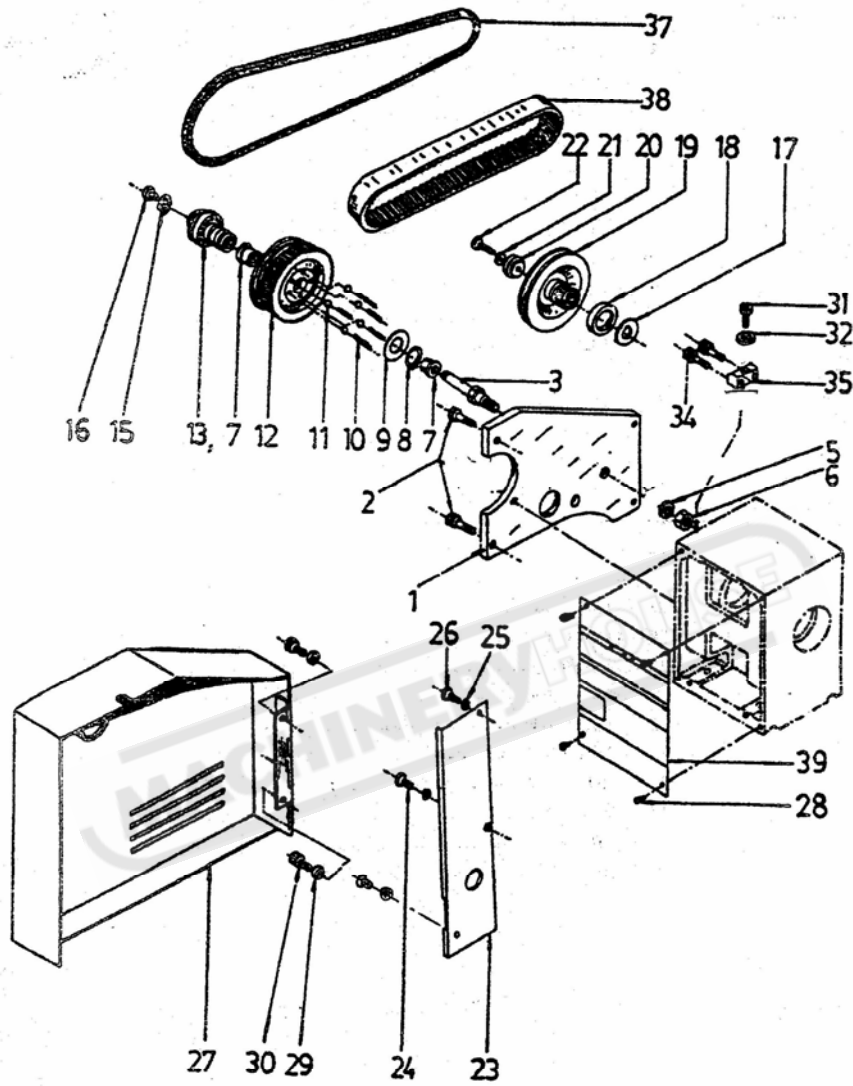


Headstock Assembly



1-----1002-----Headstock Casting	13-----1012-----Nut M28
2-----1006-----Flange Joint	14-----TS-152104-----Set Screw m5x6
3-----1004-----Spindle	15-----1017-----Shaft
4-----BD920N-H04-----KEY	18-----1016-----Bushing
5-----1005-----Gasket	19-----1014-----Gear 80T
6-----BD920N-H06-----Ball Bearing	20-----1013-----Washer
7-----1003-----Cover	21-----BD920N-H21-----Oil Port 6
8-----1007-----Spacing Ring	22-----1018-----Gear 40T
9-----1011-----Gear 40T	23-----1019-----Gear 28T
10-----1008-----Pulley	24-----1080-----Set Screw M6X8
11-----1010-----Bushing	25-----1081-----Oil Port 8
12-----TS-152102-----Set Screw M8X8	

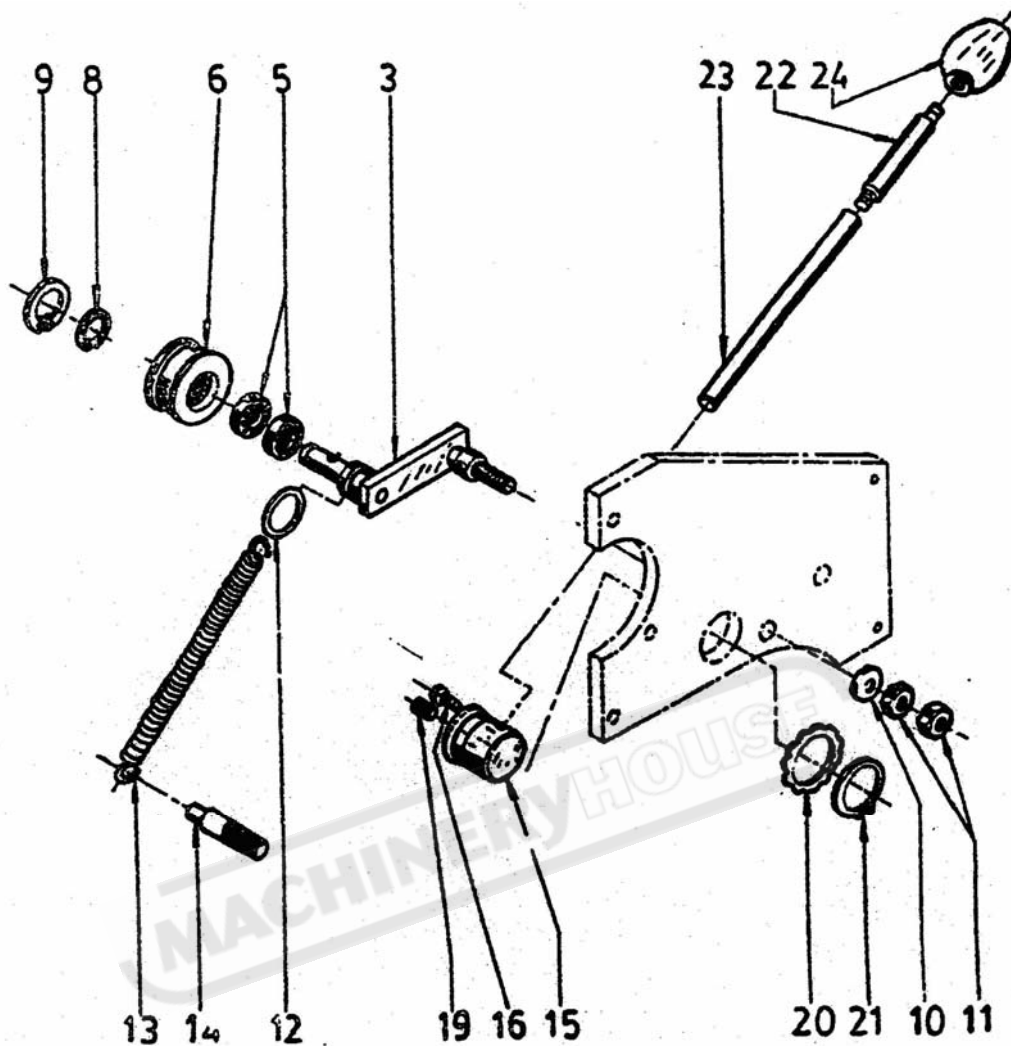
Drive Assembly



Driver Assembly

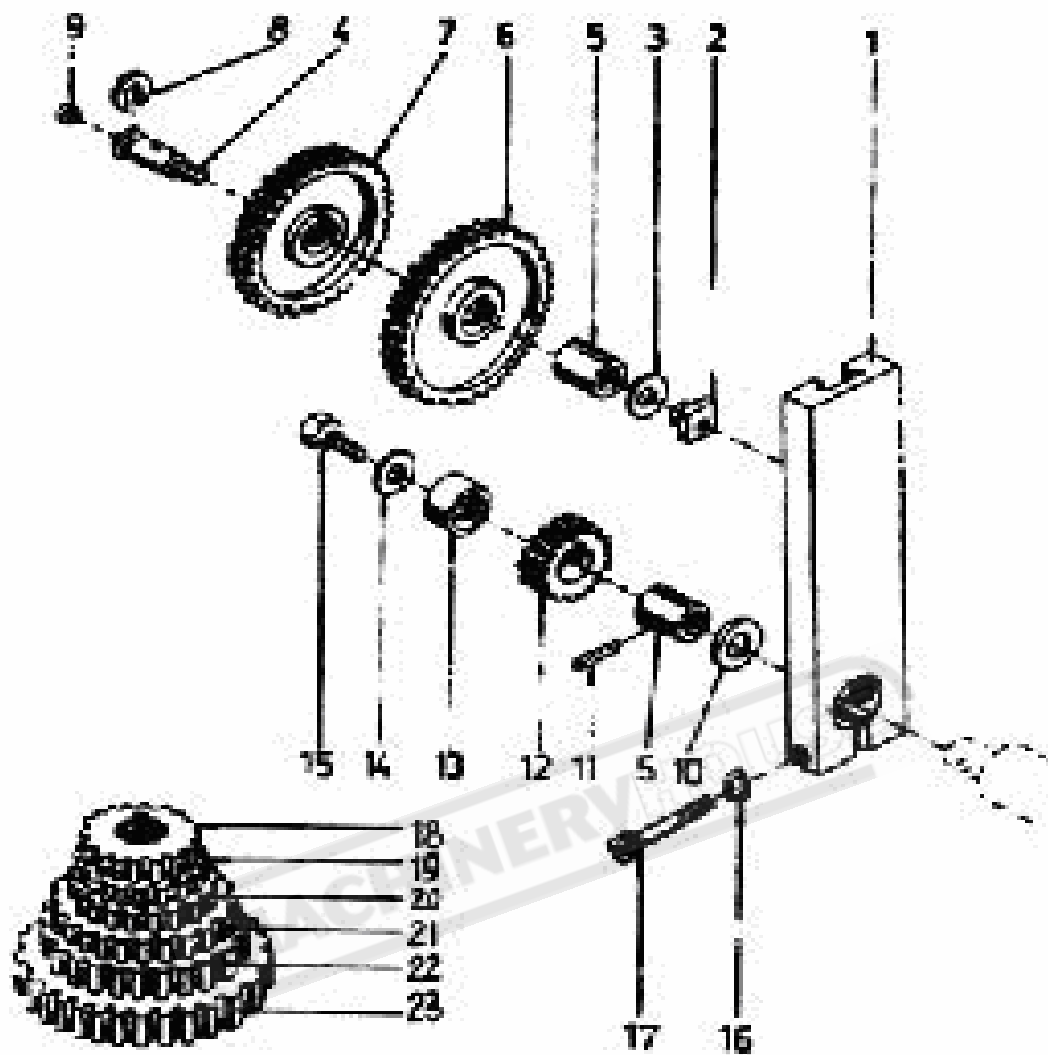
1----	1044-----	Bracket Platw
2----	TS-150404-----	Hex Socket Cap Screw M8X20
3----	1026-----	Belt Pulley Shaft
5----	TS-1551071-----	Hex Nut M10
6----	TS-1540071-----	Hex Nut M10
7----	1031-----	Bushing
8----	BD920N-D08-----	Snap Ring 25
9----	1027-----	Washer
10----	1025-----	Spring
11----	BD920N-D11-----	Ball
12----	1024-----	Pulley
13----	1029-----	Pulley
15----	BD920N-D15-----	Snap Ring 12
16----	BD920N-D16-----	Oil Port
17----	1021-----	Spacer
18----	1023-----	Collar
19----	1020-----	Mort Pulley
20----	1022-----	Washer
21----	TS-155104-----	Washer 6
22----	TS-150306-----	Cap Screw M6X8
23----	1049-----	Cover Plate
24----	TS-150203-----	Cap Screw M5X8
25----	TS-1550031-----	Washeer 5
26----	TS-150201-----	Cap Screw M5X8
27----	1045-----	Cover w/Hinge
28----	TS-150403-----	Cap Screw M4X6
29----	TS1500041-----	Washer 6
30----	TS150302-----	Cap Screw M5X10
31----	TS-150306-----	Cap Screw M6X12
32----	TS1550041-----	Washer 6
34----	TS-150305-----	Cap Screw M6X20
35----	1047-----	Clamp Block
37----	VB-5M710-----	V-Belt
38----	VB-170XL050-----	Cog Belt
39----	1001-----	Plate

Tension Roller Assembly



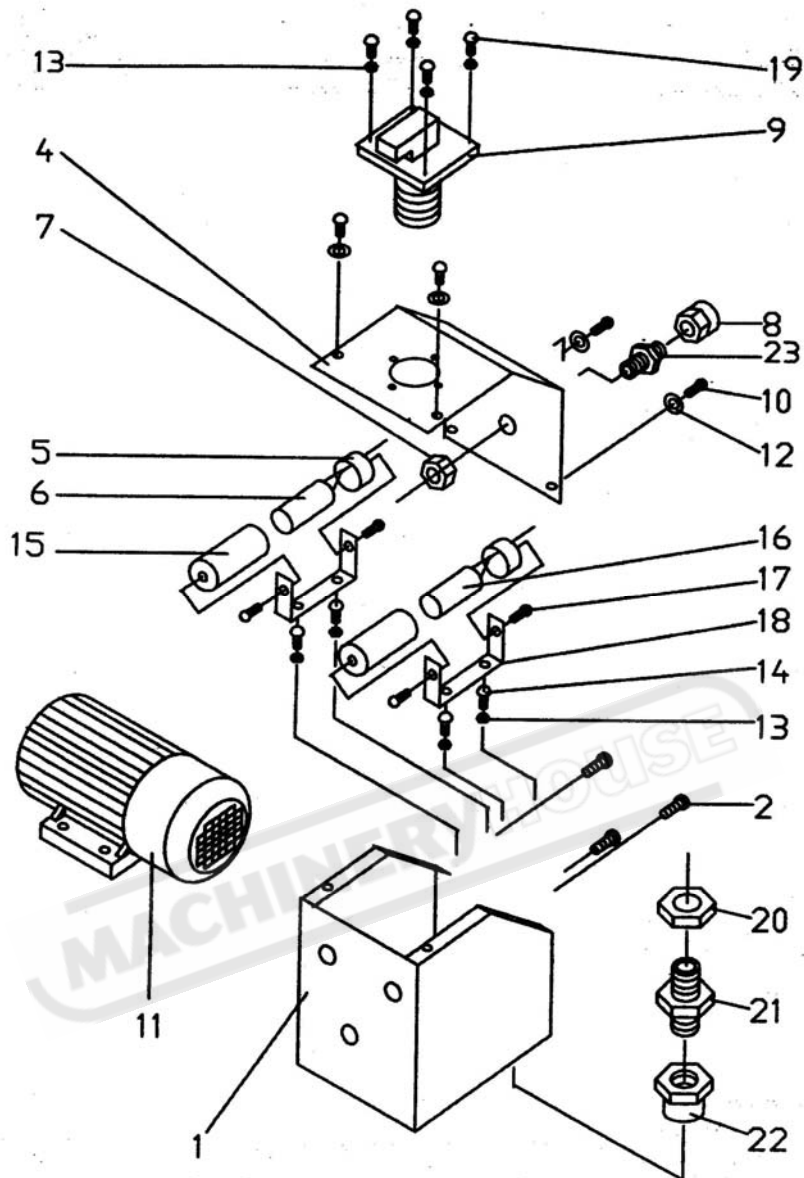
3-----1035-----Shaft	14----1050-----Stud Bolt
5-----BD920N-TR05-----Ball Bearing	15----1032-----Toggle
6-----1039-----Roller	16----1051-----Cap Screw M6X12
8-----BD920N-TR08-----Snap Ring 12	19----TS-152403-----Set Screw M8X8
9-----BD920N-TR09-----Snap Ring 28	20----1034-----Wave Washer
10----TS1550071-----Washer	21----BD920N-TR21-----Snap Ring 34
11----TS1540071-----Nut M10	22----1042-----Lever
12----1036-----Washer	23----1043-----Lever
13----1037-----Spring	24----1044A-----Knob

Quadrant Assembly



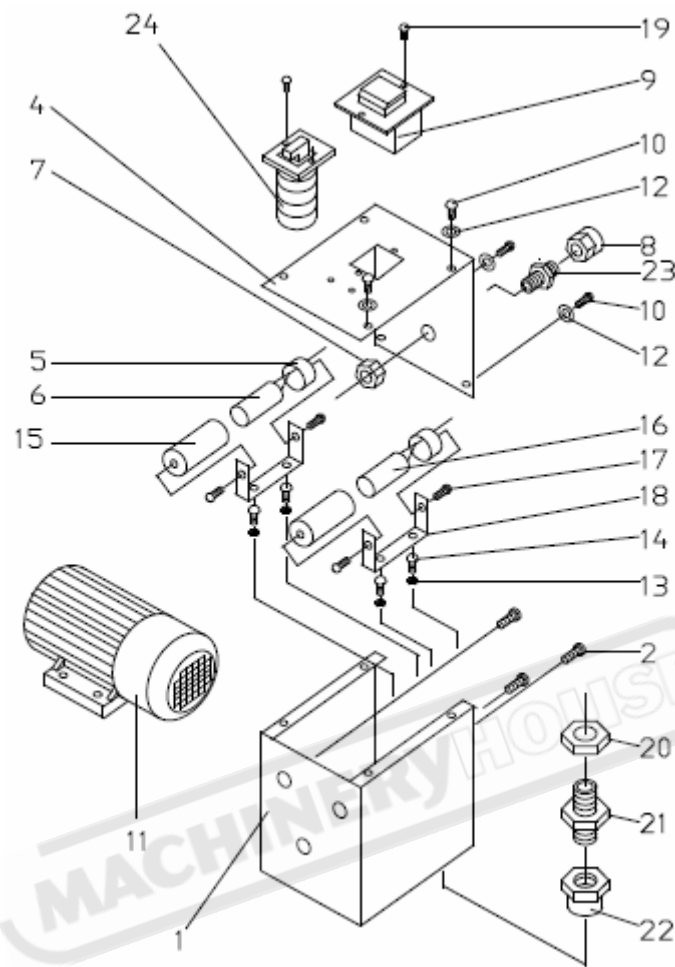
1-----2003-----	Bracket	13-----2008-----	Spacing Ring
2-----2004-----	T-Nut	14-----TS-1550041-----	Washer
3-----TS-1550041-----	Washer	15-----TS-150302-----	Cap Screw M6X8
4-----2005-----	Shaft	16-----TS-155104-----	Lock Washer 6
5-----2009-----	Bushing	17-----TS-150308-----	Cap Screw M6X35
6-----2001-----	Gear 127T	18-----2010-----	Gear 28T
7-----2002-----	Gear 120T	19-----2011-----	Gear 36T
8-----2006-----	Washer	20-----2012-----	Gear 42T
9-----BD920N-Q09-----	Oil Port 6	21-----2013-----	Gear 45T
10-----TS-1550071-----	Washer	22-----2014-----	Gear 60T
11-----BD920N-Q11-----	Pin 4x12	23-----2015-----	Gear 80T
12-----2007-----	Gear 30T		

Electrical-1 Assembly



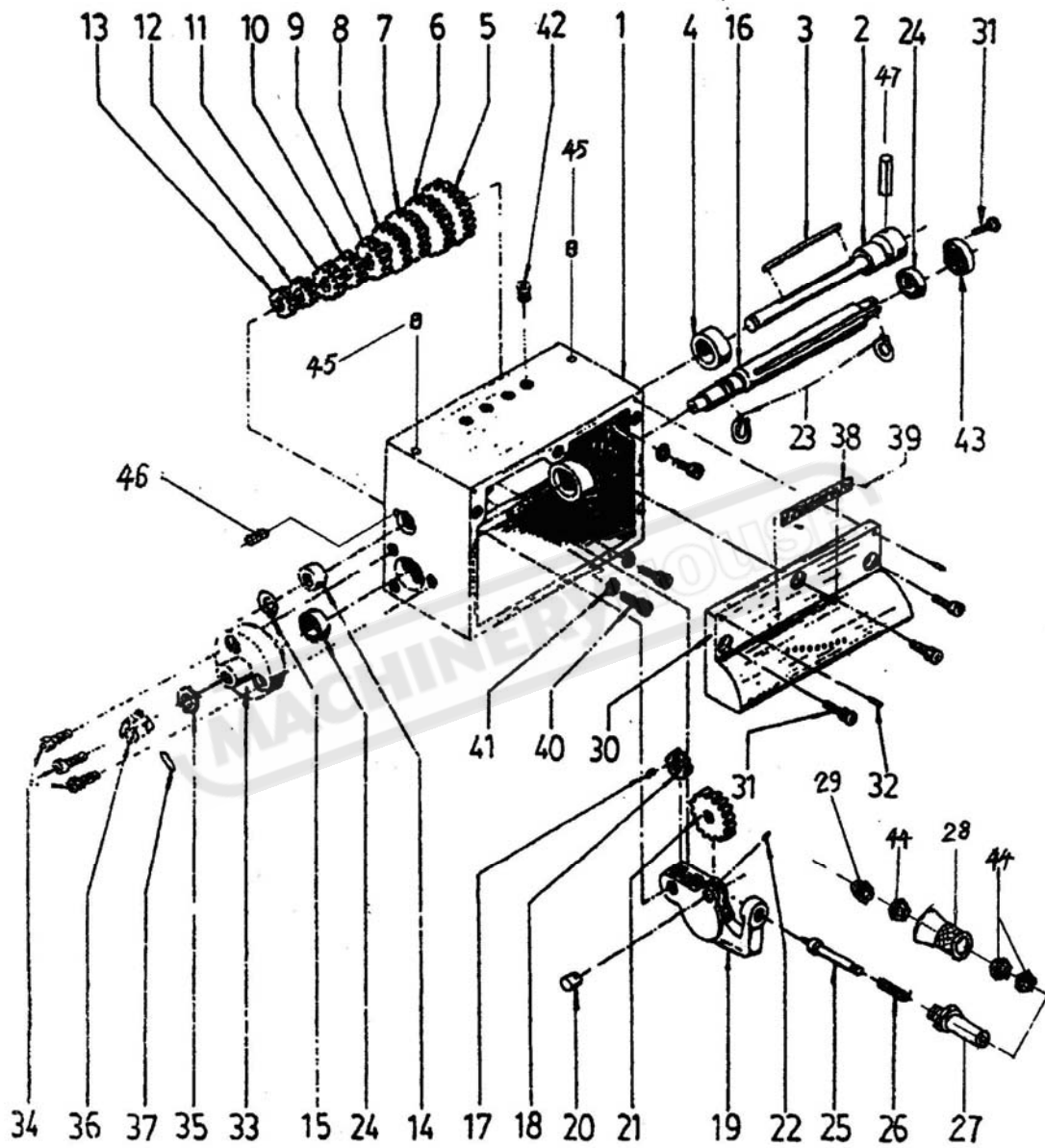
1-----10002-----Housing	13----TS-1540031-----Nut M4
2-----BD920N-E02-----Cap Screw M5X10	14----TS-150202-----Cap Screw M4X8
4-----10001-----Cover	15----10003-----Cover
5-----BD920N-E05-----Cover	16----10004-----Small Condenser
6-----BD920N-E06-----Big Condenser	17----10005-----Cap Screw M4X6
7-----BD920N-E07-----Nut M16X1.5	18----10006-----Clip
8-----BD920N-E08-----Nut M16X1.5	19----10007-----Cap Screw M4X16
9-----BD920N-E09-----Switch	20----10008-----Nut M24X1.5
10----BD920N-E10-----Cap Screw M5X8	21----10009-----Screw
11----BD920N-E11-----Motor	22----10010-----Nut M24X1.5
12----TS-155103-----Washer 5	23----10011-----Screw

Electrical-2 Assembly



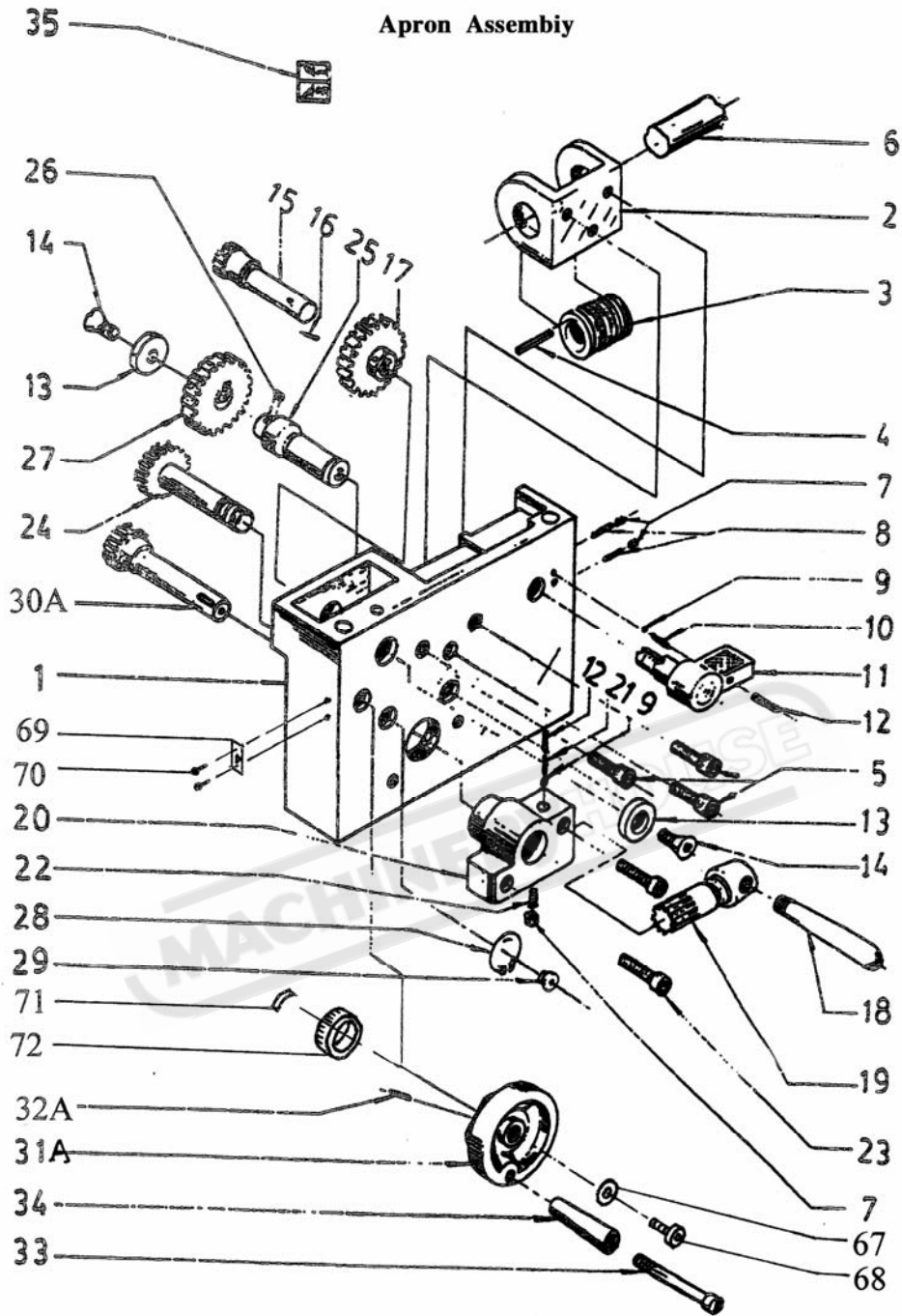
1-----10002-----Housing	13-----TS-1540031-----Nut M4
2-----BD920N-E02-----Cap Screw M5X10	14-----TS-150202-----Cap Screw M4X8
4-----10001-----Cover	15-----10003-----Cover
5-----BD920N-E05-----Cover	16-----10004-----Small Condenser
6-----BD920N-E06-----Big Condenser	17-----10005-----Cap Screw M4X6
7-----BD920N-E07-----Nut M16X1.5	18-----10006-----Clip
8-----BD920N-E08-----Nut M16X1.5	19-----10007-----Cap Screw M4X16
9-----BD920N-E09-----Switch KJD17B	20-----10008-----Nut M24X1.5
10-----BD920N-E10-----Cap Screw M5X8	21-----10009-----Screw
11-----BD920N-E11-----Motor	22-----10010-----Nut M24X1.5
12-----TS-155103-----Washer 5	23-----10011-----Screw
	24-----BD920N-E091-----Switch ZH-A

Gear Box Assembly



Gear Box Assembly

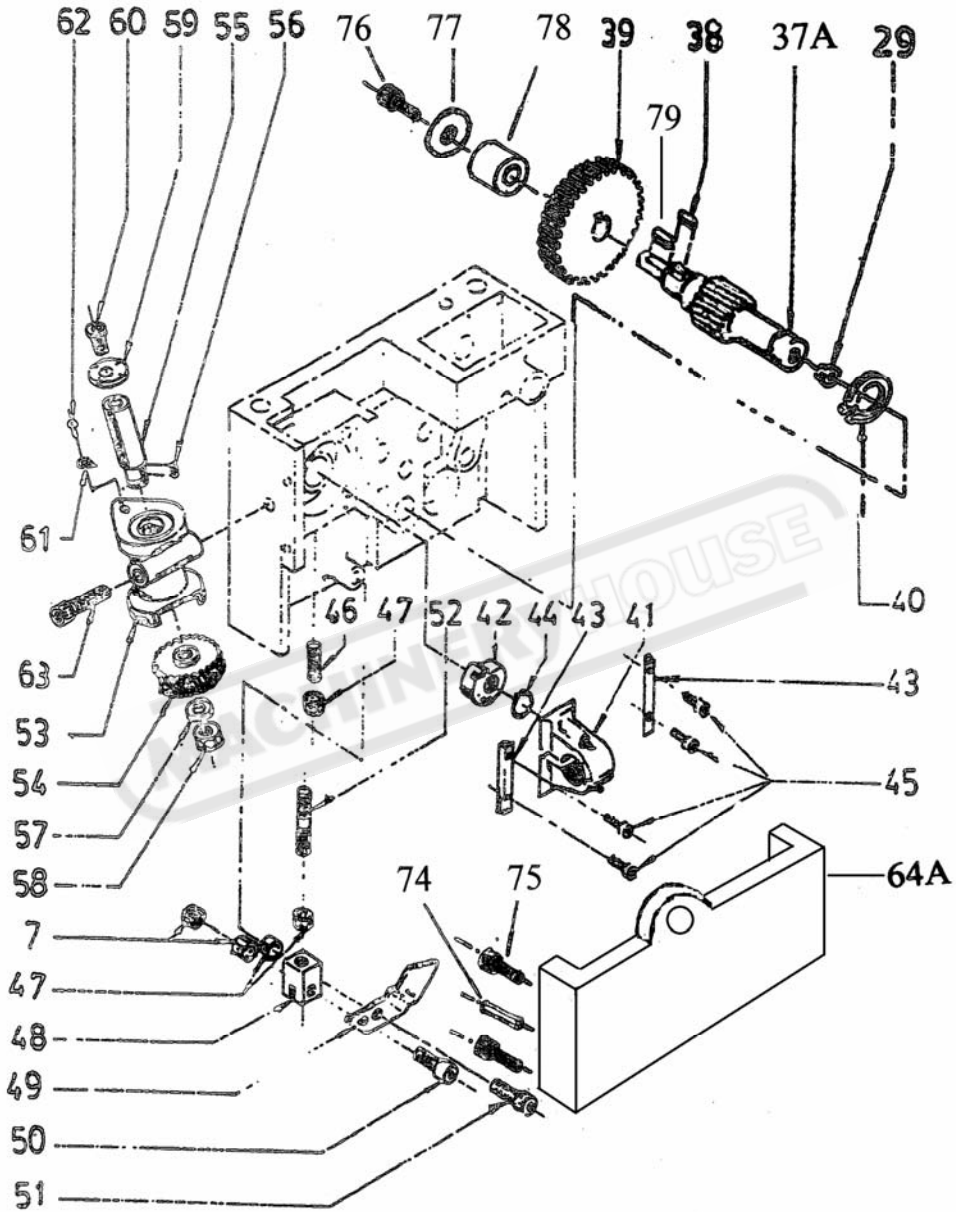
1----	3001-----	Gear Box Cassting
2----	3009-----	Shaft
3----	BD920N-GB03-----	Key
4----	3019-----	Bushing
5----	3018-----	Gear 28T
6----	3017-----	Gear 26T
7----	3016-----	Gear 24T
8----	3015-----	Gear 23T
9----	3014-----	Gear 22T
10---	3013-----	Gear 20T
11---	3012-----	Gear 19T
12---	3011-----	Gear 18T
13---	3010-----	Gear 16T
14---	3025-----	Bushing
15---	BD920N-GB15-----	Snap Ring 16
16---	3020-----	Shaft
17---	BD920N-GB17-----	Key
18---	3021-----	Gear 16T
19---	3002-----	Shift Arm
20---	3007-----	Shaft
21---	3023-----	Gear 36T
22---	TS-152203-----	Set Screw M5X6
23---	BD920N-GB23-----	Snap Ring
24---	BD920N-GB24-----	Ball Bearing
25---	3004-----	Plunger
26---	3005-----	Spring
27---	3003-----	Bushing
28---	3006-----	Handle
29---	BD920N-GB29-----	Cap Nut M6
30---	3008-----	Front Cover
31---	TS-150304-----	Cap Screw M6X12
32---	BD920N-GB32-----	Pin 3x16
33---	3022-----	Bracket
34---	TS-150302-----	Cap Screw M6X12
35---	TS-1550071-----	Washer
36---	2009-----	Bushing
37---	BD920N-GB37-----	Pin 4x12
38---	3026-----	Plate
39---	BD920N-GB38-----	Rivet
40---	TS-150404-----	Cap Screw M8X20
41---	TS-155108-----	Lock Washer 8
42---	BD920N-GB42-----	Oil Cup M6X1
43---	3027-----	Bearing Cap
44---	3028-----	Hex Nut M6
45---	3029-----	Oil Port 6
46---	3030-----	Set Screw M4X6
47---	3031-----	Lock Pin 4X12



Apron Assembly

1	4006	Apron Casting
2	4034	Bracket
3	4033	Worm
4	BD920N-A04	Key
5	TS-150306	Hex Socket Cap Screw M6X25
6	7003	Feed Screw
7	TS-1540021	Nut M4
8	TS-152105	Set Screw M4X12
9	BD920N-A09	Steel Ball
10	4021	Spring
11	4022	Handle
12	TS-152301	Set Screw M6X6
13	4005	Washer
14	BD920N-A14	Flat Head Screw M6X8
15	4008	Gear 12T
16	BD920N-A16	Spring Pin 4X30
17	4007	Gear 43T
18	4015	Handle
19	4014	Gear 13T
20	4013	Bracket
21	4025	Spring
22	TS-152104	Set Screw M4X10
23	TS-150307	Hex Socket Cap Screw M6X30
24	4011	Gear 36T
25	4009	Shaft
26	BD920N-A26	Key 4x5
27	4010	Gear 41T
28	BD920N-A28	Ring 14
29	BD920N-A29	Oil Port 6
30	4004	Gear 17T
31	4003	Hand Wheel
32	BD920N-A32	Spring Pin 4x25
33	4002	Screw
34	4001	Handle
35	4018	Label
67	4067	Washer
68	4068	Cap Screw
69	4069	Plate
70	4070	Rivet 2x5mm
71	4071	Spring

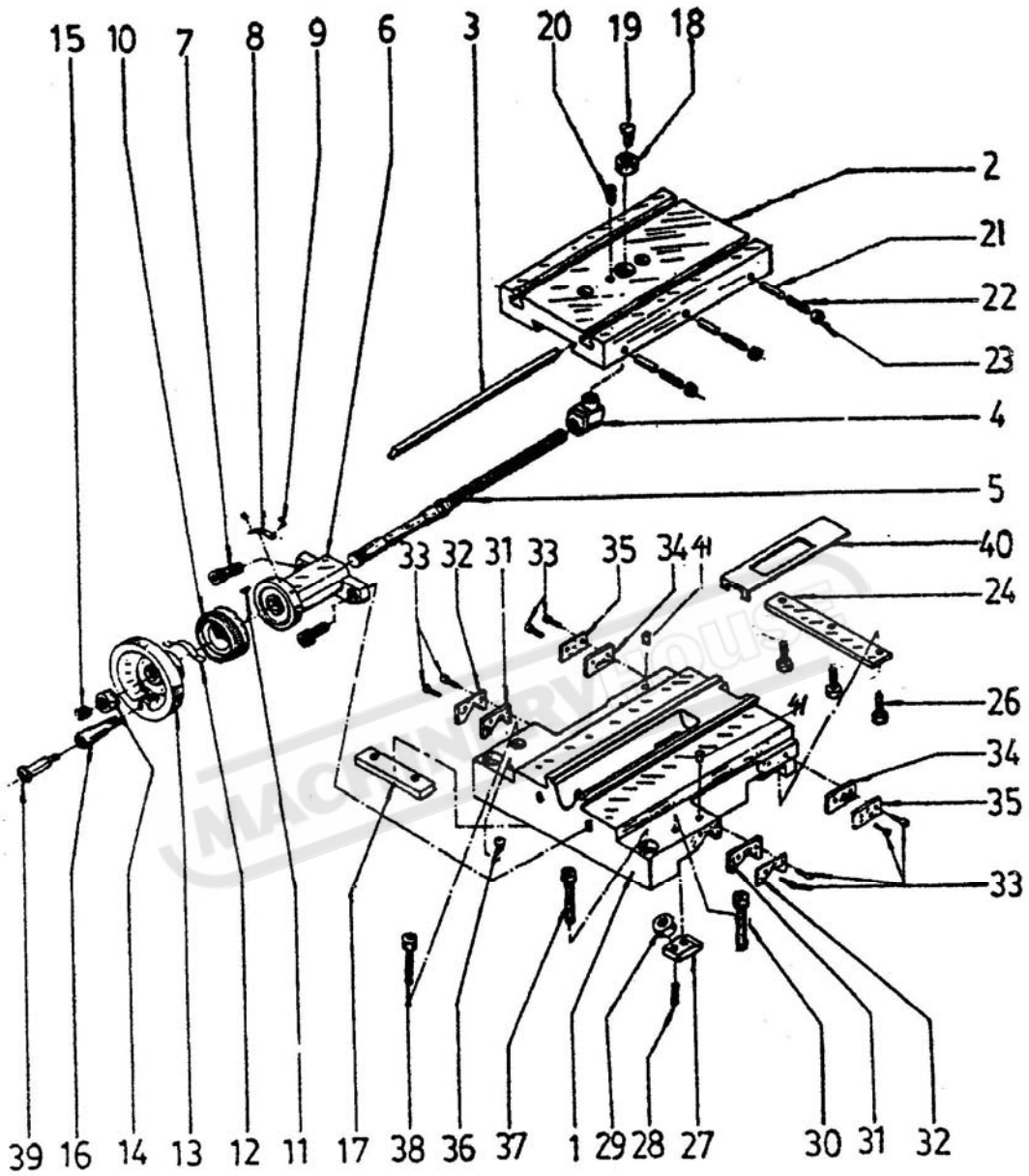
Apron Assembly (cont' d)



Apron Assembly (con'd)

37A	4016A	Gear	18T
38	BD920N-A38	Key	4x11
39	4012	Worm Gear	42T
40	BD920N-A40	Ring	12
41	4017	Half Nut	
42	4019	Locking Cam	
43	4020	Guide	
44	BD920N-A44	Ring	8
45	TS-150105	Hex Socket Cap Screw	M4x16
46	BD920N-A46	Set Screw	M5X25
47	TS-1540031	Hex Nut	M5
48	4030	Control Block	
49	4032	Joint Plate	
50	TS-150106	Hex Socket Cap Screw	M4x20
51	TS-150204	Cap Screw	
52	4031	Screw	
53	4036	Thread Dial Body	
54	4029	Worm Gear	64T
55	4028	Shaft	
56	BD920N-A56	Key	3x10
57	TS155006	Lock Washer	8
58	TS154006	Hex Nut	M8
59	4027	Dial	
60	BD920N-A60	Screw	M6X6
61	4024	Pointer	
62	BD920N-A62	Rivet	2x4
63	TS-150313	Hex Socket Cap Screw	
64A	4023A	Apron Cover	
74	4074	Pin	3x6
75	4075	Cap Screw	M5x12
76	4076	Cap Screw	M5x10
77	4077	Flat Washer	5
78	4078	Bushing	
79	4079	Key	3x8

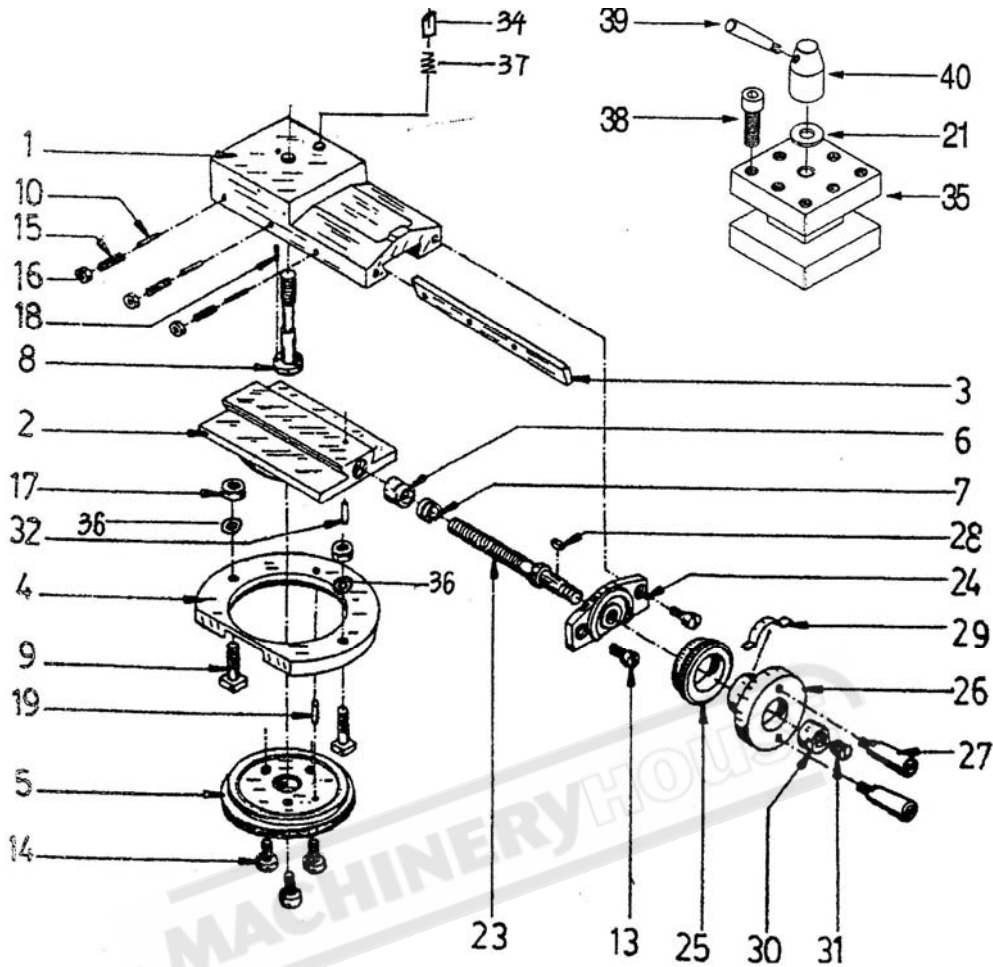
Saddle and Cross Slide Assembly



Saddle And Cross Slide Assembly

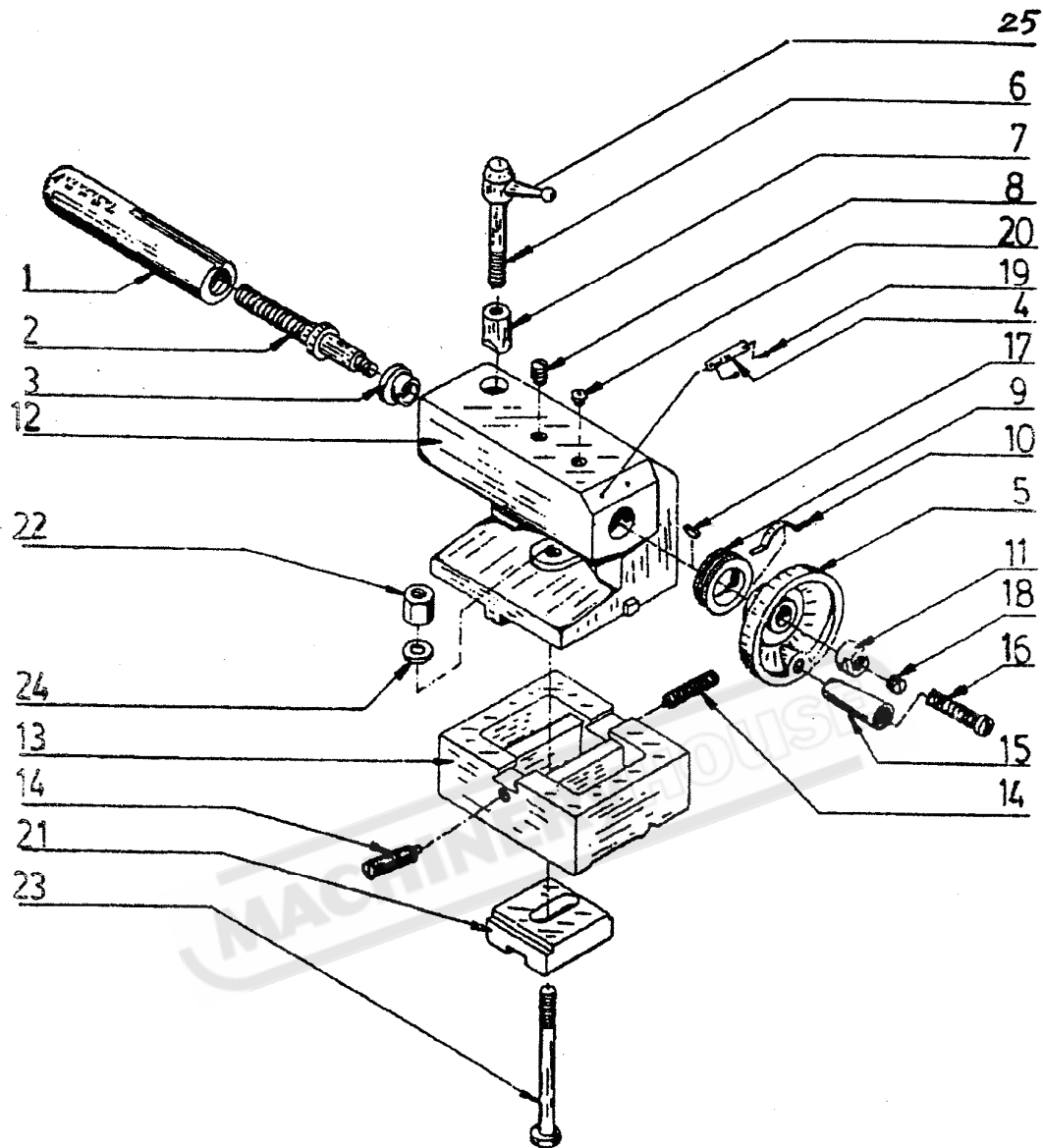
- 1-----5005-----Saddle
- 2-----5006-----Cross Slide
- 3-----5002-----Gib
- 4-----5036-----Nut
- 5-----5018-----Lead Screw
- 6-----5019-----Bracket
- 7-----TS-150304-----Hex Socket Cap Screw M5X16
- 8-----5026-----Plate
- 9-----BD902N-CS09-----Rivet 2x5
- 10-----5020-----Graduated Ring
- 11-----BD920N-CS11-----Key
- 12-----5023-----Spring
- 13-----5021-----Handle Wheel
- 14-----5022-----Hex Nut
- 15-----BD920N-CS15-----Set Screw M8X6
- 16-----5025-----Handle
- 17-----5003-----Slide Block
- 18-----5037-----Bushing
- 19-----TS-1534041-----Flat Head Screw M6X10
- 20-----TS-1521031-----Set Screw M4X8
- 21-----5001-----Pin
- 22-----TS-152105-----Set Screw M4X10
- 23-----TS-154002-----Nut M4
- 24-----5016-----Slide Block
- 26-----TS-150304-----Hex Socket Cap Screw M6X16
- 27-----5017-----Clip
- 28-----TS-152306-----Set Screw M6X20
- 29-----TS-1540041-----Nut M6
- 30-----TS-150306-----Hex Socket Cap Screw M6X25
- 31-----5042-----Way Cover
- 32-----5041-----Cover Mount
- 33-----TS-1532012-----Pan Head Screw M4X8
- 34-----5040-----Way Cover
- 35-----5039-----Cover Mount
- 36-----BD920N-CS36-----Oil Port 8
- 37-----TS-150406-----Hex Socket Cap Screw M8X30
- 38-----TS-150306-----Hex Socket Cap Screw M6X30
- 39-----5024-----Handle Screw
- 40-----5038-----Cover Mount
- 41-----5044-----Oil Port 6

Top Slide Assembly



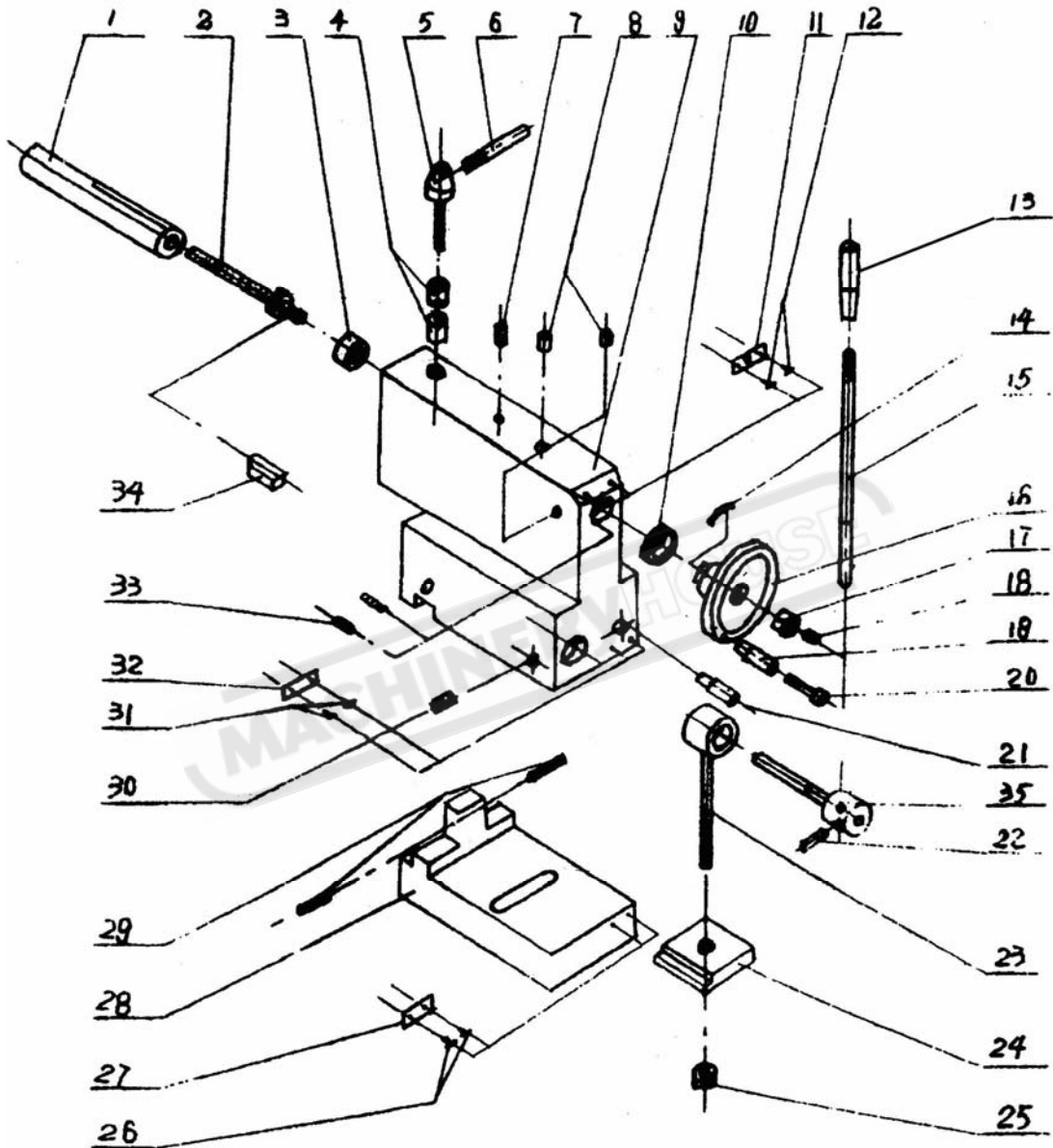
1-----5011-----Longitudinal Slide	23----5012-----Lead Screw
2-----5010-----Swivel Base	24----5043-----Lead Screw Mount
3-----5028-----Gib	25----5004-----Micrometer Collar
4-----5008-----Clamping Ring	26----5031-----Handwheel
5-----5009-----Micrometer Pan	27----5015-----Handle
6-----5013-----Lead Screw Nut	28----BD920N-TS28-----Key 3x13
7-----5014-----Adjusting Screw	29----5023-----Feed Spring
8-----5033-----Screw	30----5022-----Nut
9-----5007-----T-Screw	31----BD920N-TS31-----Set Screw M8X6
10----5027-----Pin	32----BD920N-TS32-----Lock Pin 3x12
13----TS-150202----- Cap Screw M5X10	34----5035-----Pin
14----BD920N-TS14----- Screw M6X12	35----5045-----Tool Rest
15----TS-152104-----Set Screw M4X10	36----5046-----Washer 6
16----TS-1550021-----Nut M4	37----5047-----Spring
17----TS-1550041-----Nut M6	38----5048-----Cap Screw M8X30
18----BD920N-TS18-----Lock Pin 3x8	39----5049-----Lock Handle
19----BD920N-TS19-----Lock Pin 3x14	40----5050-----Lock Nut

Tailstock-1 Assembly



1-----8009-----Tailstock Ram	14----TS-152406-----Set Screw M8X25
2-----8010-----Lead Screw	15----4001-----Handle
3-----8011-----Bushing	16----4002-----Screw
4-----8012-----Off Set Indicator Plat	17----BD920N-T17-----Key 3X13
5-----8013-----Hand Wheel	18----TS-152401-----Set Screw M8X8
6-----8008-----Screw	19----BD920N-T19-----Rivet 2x4
7-----8001-----Clamp	20----BD920N-T20-----Oil Port 6
8-----BD920N-T08-----Set Screw M5X8	21----8015-----Clamping Plate
9-----8016-----Micrometer Collar	22----8006-----Nut M8
10----5023-----Feed Spring	23----8007-----Screw
11----8014-----Nut	24----TS-1550061-----Washer 8
12----8005-----Tailstock Body	25----8017-----Lever
13----8002-----Tailstock Base	

Tailstock-2 Assembly

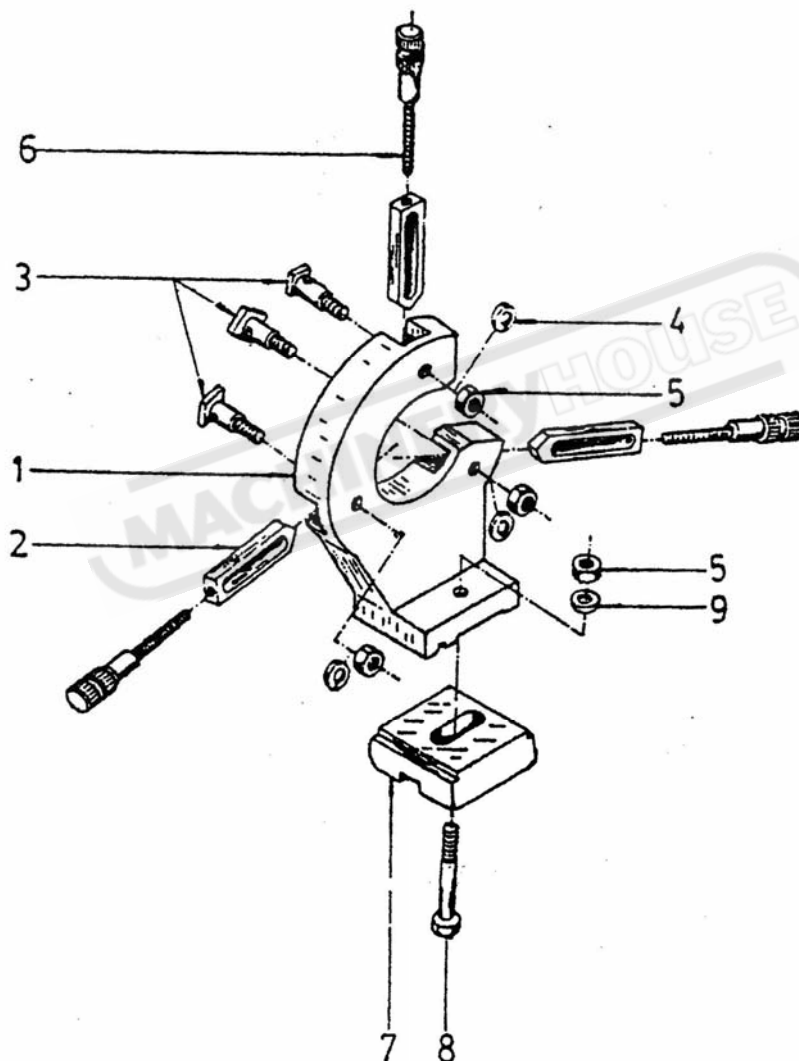


Tailstock-2 Assembly

1----	P091001-----	Tailstock Ram
2----	P091002-----	Lead Screw
3----	P091003-----	Bushing
4----	P091004-----	Clamp
5----	P091005-----	Screw
6----	P091006-----	Lever
7----	GB1001-----	Set Screw
8----	GB1002-----	Oil Ball 6
9----	P091007-----	Tailstock Body
10----	P091008-----	Graduated Dial
11----	P091009-----	Plate
12----	GB1003-----	Rivet 2x4
13----	P091010-----	Handle
14----	P101011-----	Spring
15----	P091012-----	Lever
16----	P091013-----	Hand Wheel
17----	P091014-----	Nut
18----	GB1004-----	Set Screw M8X8
19----	P091015-----	Handle
20----	P091016-----	Handls Screw
21----	P091017-----	Pin
22----	GB1005-----	Pin 2x4
23----	P091018-----	Screw
24----	P091019-----	Clamping Plate
25----	GB1006-----	Hex Nut M8
26----	GB1007-----	Rivet 2x4
27----	P091020-----	Plate
28----	P091021-----	Tailstock Base
29----	GB1008-----	Set Screw M8X25
30----	GB1009-----	Set Screw M6X25
31----	GB1010-----	Rivet 2x4
32----	P091022-----	Plate
33----	GB1011-----	Set Screw M5X6
34----	GB1012-----	Key c4x10
35----	P091023-----	Shaft

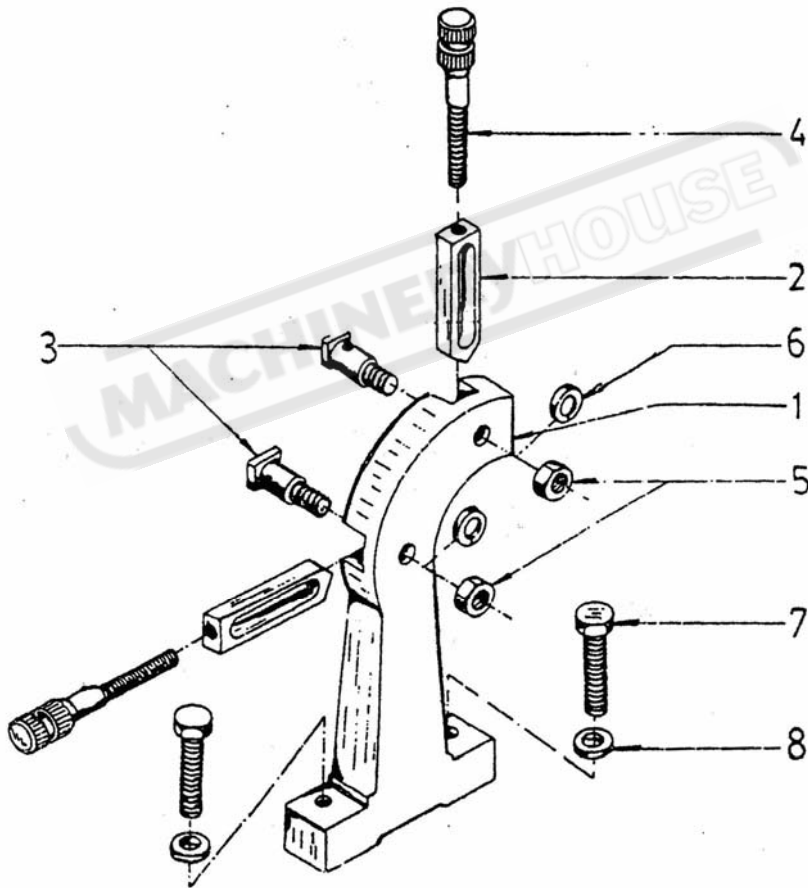
Center Rest Assembly (optional accessories)

1	-----F1001-----	Rest Casting
2	-----F1002-----	Jaw
3	-----F1003-----	Screw
4	-----TS-155108-----	Washer 8
5	-----TS-1540061-----	Nut M8
6	-----F1004-----	Adjusting Screw
7	-----F1005-----	Clamping Plate
8	-----TS-1490111-----	Cap Bolt M8X60
9	-----TS-1550061-----	Washer 8

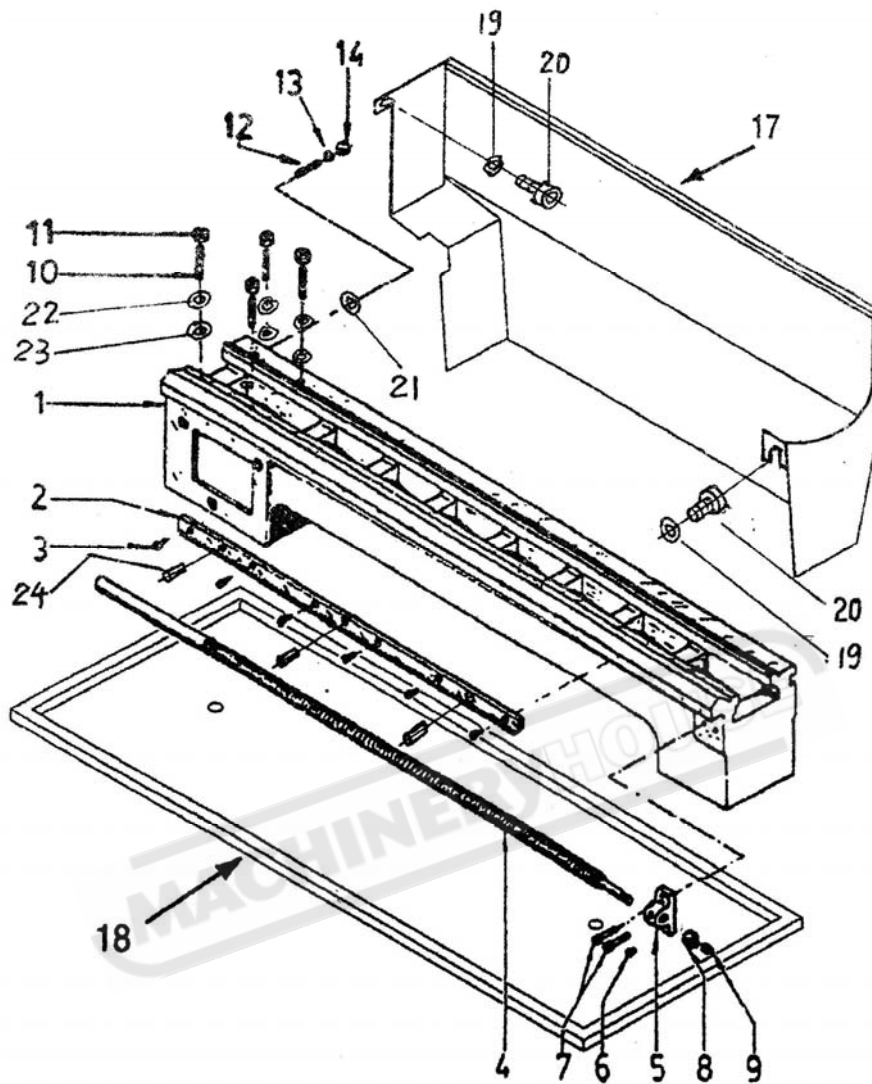


Travel Rest Assembly (optional accessories)

1	F2001	Rest Casting
2	F2002	Jaw
3	F2003	Screw
4	F2004	Adjusting Screw
5	TS-1540061	Hex Nut M8
6	TS-1551081	Washer 8
7	TS-150307	Hex Socket Cap Screw M6X30
8	TS-1550041	Washer 6

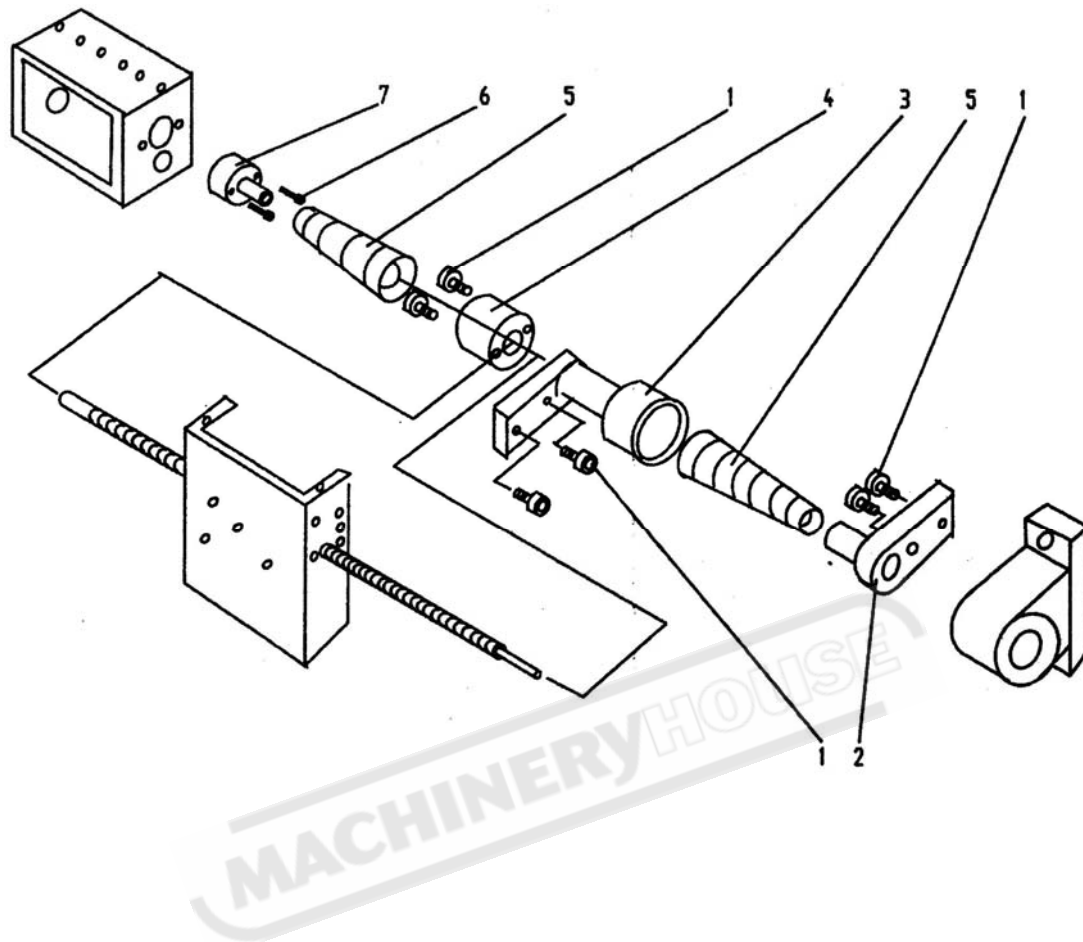


Lathe Bed Assembly



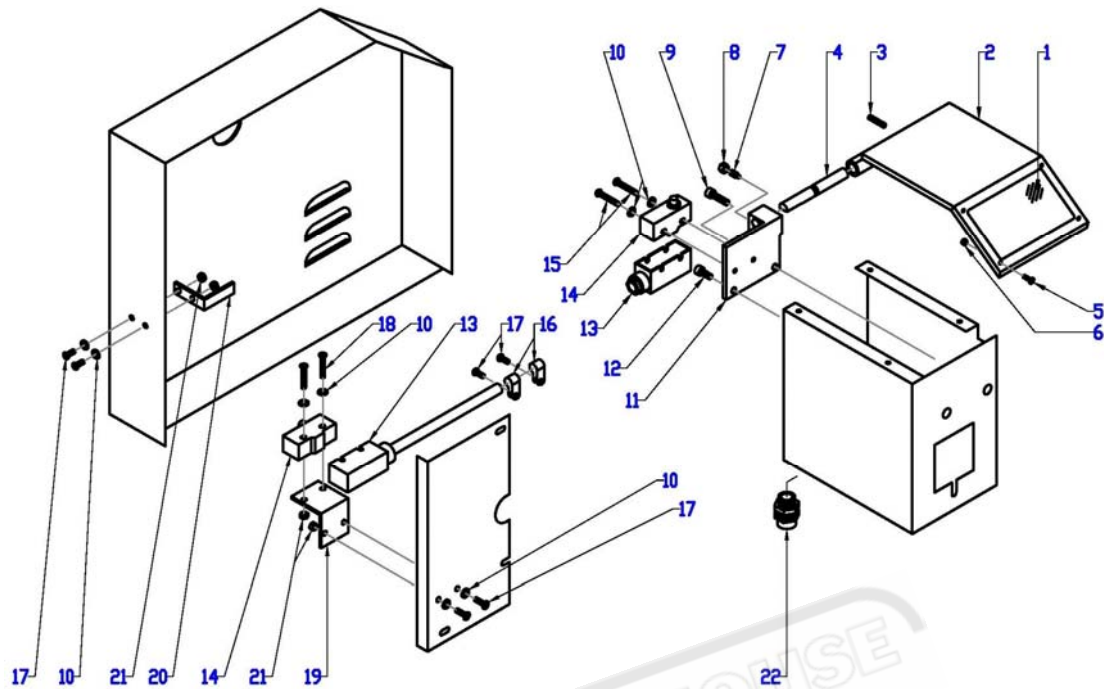
1-----7001-----Bed	13----TS-1551041-----Lock Washer	6
2-----7002-----Rack	14----TS-1540041-----Hex Nut	M6
3-----TS-150102-----Cap Screw	M4X10	
4-----7003-----Leadscrew	17----7006-----Chip Shield	
5-----7004-----Bracket	18----7007-----Chip Pan	
6-----BD920N-B06-----Oil Port	6	
7-----TS-1503051-----Cap Screw	M6X16	
8-----7006-----Nut	19----7008-----Washer	5
9-----BD920N-B09-----Set Screw	M8X8	
10----7005-----Stud	M8X50	
11----TS-1540061-----Hex Nut	M8	
12----TS-1523071-----Set Screw	M6X35	
	20----7009-----Cap Screw	M5X10
	21----7010-----Big Washer	6
	22----7011-----Lock Washer	8
	23----7012-----Washer	8
	24----7013-----Lock Pin	4x16

Feed Screw Assembly (optional accessories)



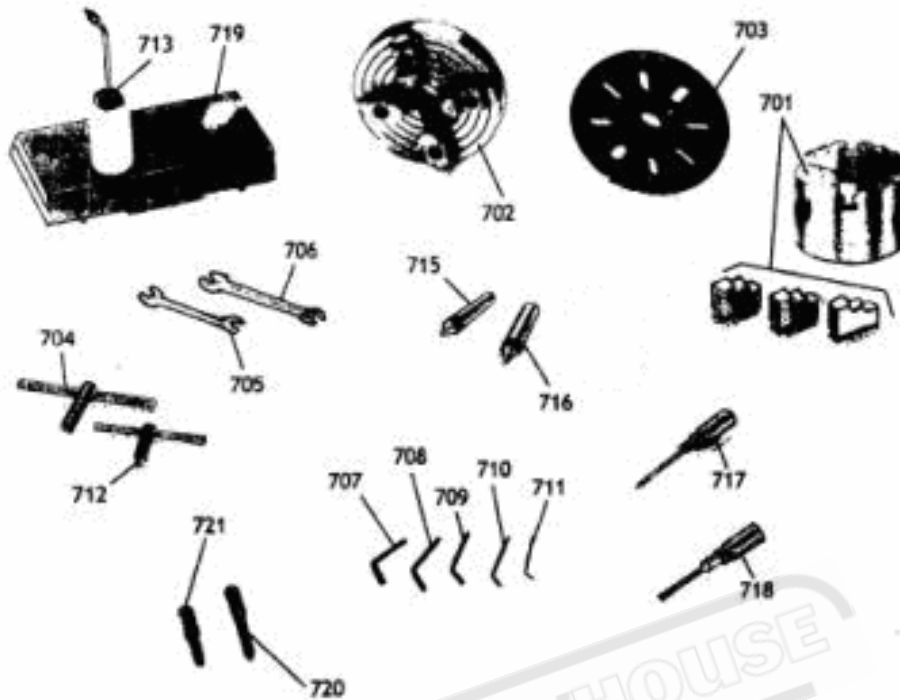
- 1----GB301-----Cap Screw M4X10
- 2----P09301-----Bracket
- 3----P09302-----Bracket
- 4----P09303-----Bracket
- 5----P09304-----Screw Cover
- 6----GB302-----Cap Screw M4X35
- 7----P09305-----Bracket

Chuck Cover Assembly (optional accessories)



1----	16001A-----	Protecting glass
2----	16002A-----	Iron cover
3----	GB16001A-----	Pin 4X16
4----	160003A-----	Shaft
5----	GB16002A-----	Cap Screw M4X8
6----	GB16003A-----	Hex Nut M4
7----	GB16004A-----	Set Screw M5X10
8----	GB16005A-----	Hex Nut M5
9----	GB16006A-----	Cap Screw M5X12
10----	GB16007A-----	Washer 4
11----	16003A-----	Bracket
12----	GB16008A-----	Cap Screw M5X10
13----	GB16009A-----	Swich Cover
14----	GB16010A-----	Swich LXW5-11D1
15----	GB16011A-----	Cap Screw M4X25
16----	GB16012-----	Clamp
17----	GB16013A-----	Cap Screw M4X8
18----	GB16014A-----	Cap Screw M4X30
19----	16004A-----	Bracket
20----	16005A-----	Bracket
21----	GB16015A-----	Hex Nut M4
22----	GB16016A-----	Strain Relief PG9

Accessories



701-----	100mm(4")	Three-Jaw Chuck
702--	187mm (7")	Four-Jaw Chuck (optional accessories)
703-----	190mm (7.5")	Face Plate (optional accessories)
704-----		Four-Jaw Chuck Key (optional accessories)
705-----		Combination Wrench 8/10mm
706-----		Combination Wrench 12/14mm
707-----		Hex Wrench 6mm
708-----		Hex Wrench 5mm
709-----		Hex Wrench 4mm
710-----		Hex Wrench 3mm
711-----		Hex Wrench 2mm
712-----		Three-Jaw Chuck Key
713-----		Oil Bottle
715-----		Dead Center MT#2
716-----		Dead Center MT#3
717-----		Phillips Screwdriver
718-----		Standard Screwdriver
719-----		Tool Box
720-----		Spindle Lever
721-----		Chuck Lever