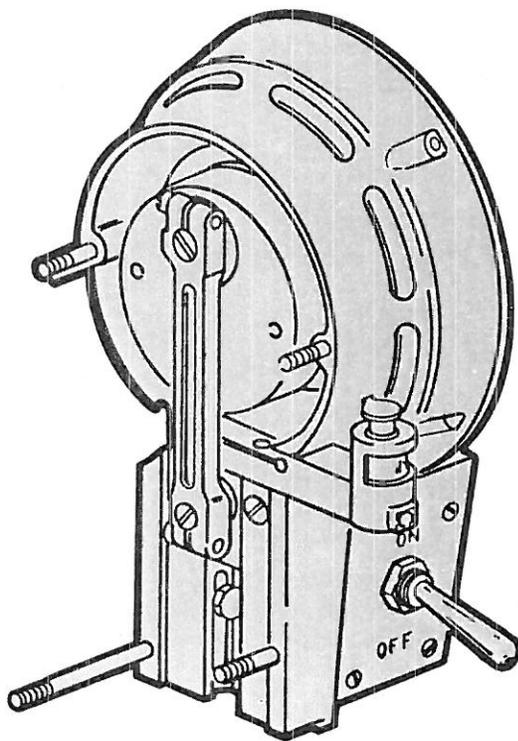


# Front Bearing Housing Assembly Illustrated Parts List



**NOTE:** Please specify model and serial number of machine when ordering parts. Item numbers are for reference only. Please specify PART NUMBERS when ordering replacement parts.

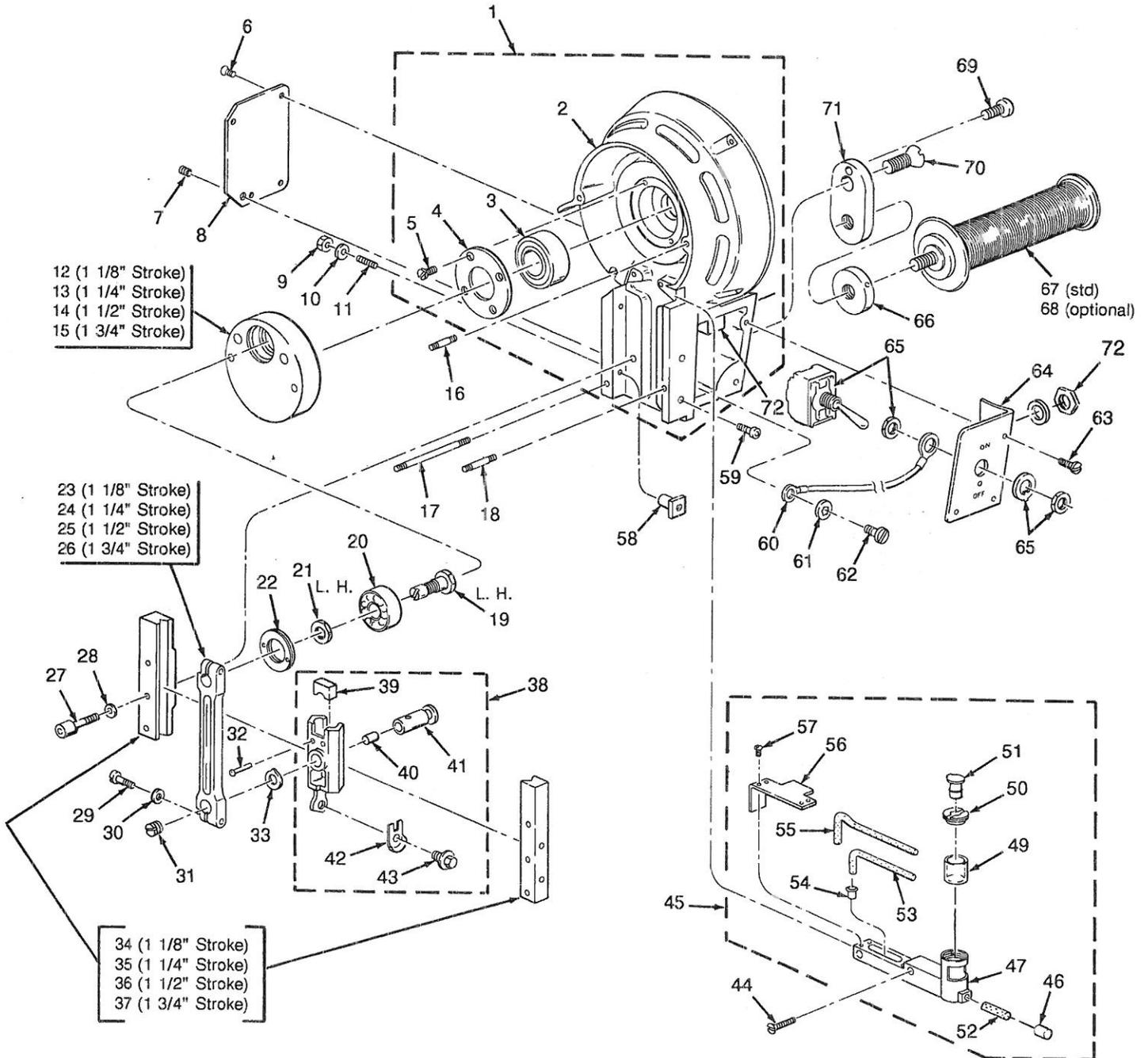
ITEM	PART NO.	DESCRIPTION	QTY.
16	15C13-23	Stud, Upper	2
17	15C13-34	Stud, Lower L.H. Mount	1
18	15C13-39	Stud, Lower R.H. Mount	1
19	11C12-92	Shaft, Bearing	1
20	90C6-46	Sealed Crank Bearing	1
21	4C1-190	Lock Nut, Shaft	1
22	4C1-132	Lock Nut, Crank Bearing	1
23	664C1-6	Connecting Rod (1-1/8" Stroke)	1
24	664C1-5	Connecting Rod (1-1/4" Stroke)	1
25	664C1-4	Connecting Rod (1-1/2" Stroke)	1
26	664C1-3	Connecting Rod (1-3/4" Stroke)	1
27	308C14-1	Screw, Hold Down	6
28	12C15-14	Washer, Guide	6
29	20C5-17	Screw, Clamp	2
30	12C1-21	Washer, Shakeproof	2
31	54C4-32	Wrist Pin Plug	1
32	91C4-25	Rivet Crosshead	2
33	12C15-53	Washer, Connecting Rod	1
34	525C1-7	L.H. & R.H. Guides (1-1/8" Stroke)	1
35	525C1-6	L.H. & R.H. Guides (1-1/4" Stroke)	1
36	525C1-5	L.H. & R.H. Guides (1-1/2" Stroke)	1
37	525C1-4	L.H. & R.H. Guides (1-3/4" Stroke)	1
38	579C2-17	Cross Head Assembly	1
39	191C1-21	Felt Pad	1
40	191C1-38	1/8" dia. x 3/8" Long Wicking	1
41	17C4-6	Wrist Pin	1
42	12C1-24	Washer, Lock	1
43	24C1-3	Knife Lock Bolt	1
44	302C8-2	Screw, 4-40 x 3/4 Flat Head	1
45	607C1-31	Oiling Device	1
46	54C4-77	Oil Tube Plug	1
47	73C7-134	Oil Tube	1
48			
49	160C1-1	Sight Tube	1
50	54C4-76	Oil Gauge Plug	1
51	72C4-28	Oil Hole Cover	1
52	191C1-44	3/32" dia. x 3/8" Long Wicking	1
53	191C1-43	3/32" dia. x 3" Long Wicking	1
54	201C1-11	Eyelet	1
55	191C1-42	3/32" dia. x 3-1/2" Long Wicking	1
56	53C6-1	Oil Tube Cover	1
57	322C91-2	Drive Screw	4
58	4C3-8	Nut, Guide Adjustment	3
59	308C12-1	Screw, 8-32 x 3/8 Socket Head Cap	3
60	783C1-1	Ground Wire Assembly	1
61	12C1-22	Washer, Lock	1
62	20C13-95	Screw, 6-32 x 1/4 Self Tapping	1
63	305C8-1	Screw, 4-40 x 1/4 Binding Head	3
64	52C5-229	Switch Base	1
65	580C1-85	Switch, 1 Phase	1
66	4C1-111	Lock Nut	1
67	531C1-76	Cushion Grip Handle	1
68	531C1-53	Solid Handle (optional)	1
69	20C12-171	Screw, Button Head	1
70	20C12-79	Screw, Handle Bracket	1
71	62C1-140	Handle Bracket	1
72	580C1-93	Switch, Momentary ON	1

ITEM	PART NO.	DESCRIPTION	QTY.
1	536C1-68	Front Bearing Housing Assembly	1
2	90C2-160	Front Bearing Housing	1
3	90C6-38	Bearing	1
4	71C3-18	Retainer	1
5	302C10-4	Screw, 6-32 x 5/16 Flat Head	4
6	305C8-1	Screw, 4-40 x 1/4 Binding Head	4
7	20C12-62	Plug Screw	1
8	53C2-111	Switch Cover	1
9	4C2-91	Guide Nut	3
10	12C10-2	Washer	3
11	309C15-5	Screw, Guide Adjustment	3
12	85C1-61	Balanced Crank 1-1/8 Stroke	1
13	85C1-62	Balanced Crank 1-1/4 Stroke	1
14	85C1-63	Balanced Crank 1-1/2 Stroke	1
15	85C1-64	Balanced Crank 1-3/4 Stroke	1

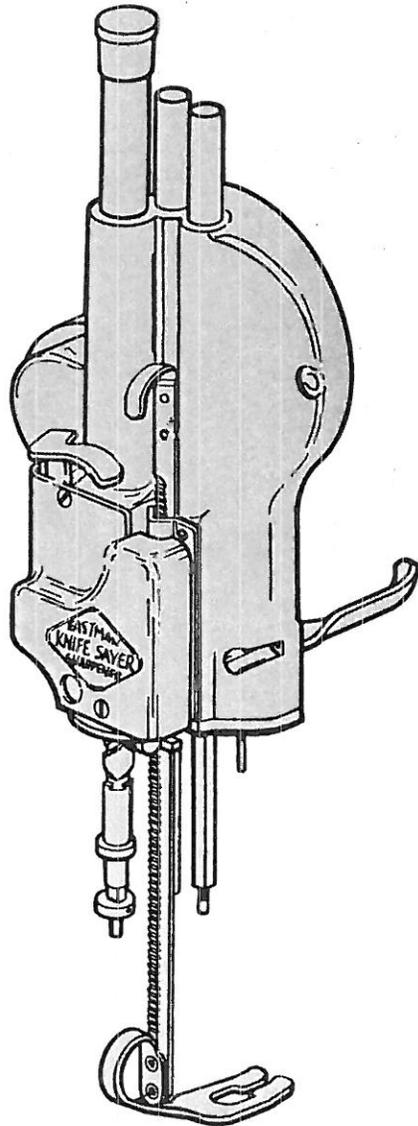
**NOTE:** L.H. indicates left hand thread.  
All other are right hand.

**WARNING:**

Switch must be grounded. Slip large wire lug over switch before replacing Switch Base. Secure Switch to Base Tightly to insure positive ground.



# Sharpener Housing Assembly (Front View) Illustrated Parts List

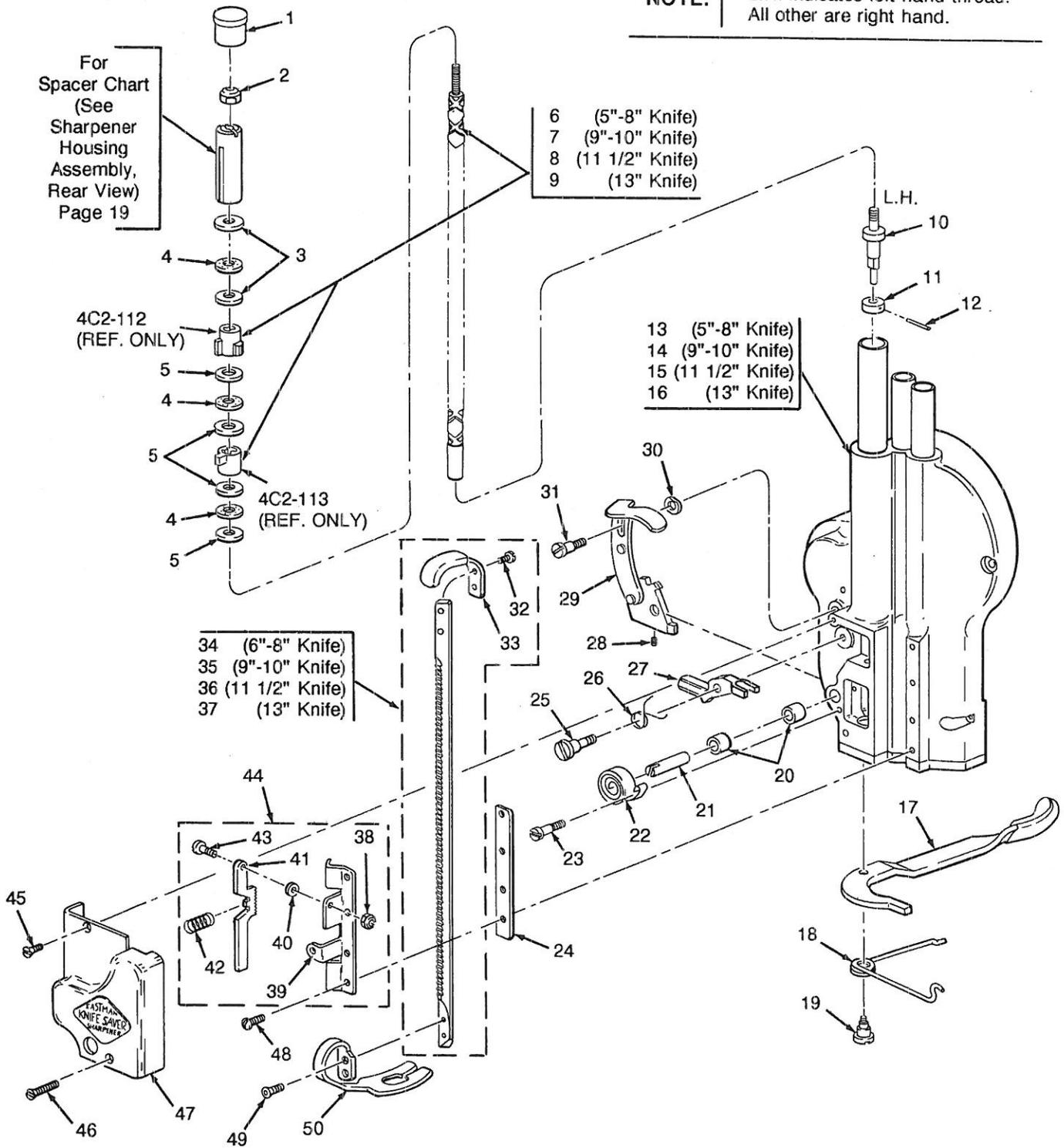


ITEM	PART NO.	DESCRIPTION	QTY.
1	86C7-34	Cap, Tube	1
2	4C1-149	Stop Nut	1
3	12C15-91	Thrust Washer (Upper)	2
4	71C3-15	Thrust Ball Bearing	3
5	12C15-74	Thrust Washer	4
6	713C4-4	Screw Shaft With Extension, R & L Hand Nuts (5"-8" Knife)	1
7	713C4-5	Screw Shaft With Extension, R & L Hand Nuts (9"-10" Knife)	1
8	713C4-6	Screw Shaft With Extension, R & L Hand Nuts (11 1/2" Knife)	1
9	713C4-7	Screw Shaft With Extension, R & L Hand Nuts (13" Knife)	1
10	147C1-26	Extension	1
11	5C5-16	Collar	1
12	17C15-106	Roll Pin	1
13	732C1-11	Sharpener Housing (With Bushing & Tubes Only) 5"-8" Knife	1
14	732C1-12	Sharpener Housing (With Bushing & Tubes Only) 9"-10" Knife	1
15	732C1-20	Sharpener Housing (With Bushing & Tubes Only) 11 1/2" Knife	1
16	732C1-17	Sharpener Housing (With Bushing & Tubes Only) 13" Knife	1
17	683C1-17	Lever, Pressure Foot Rod	1
18	34C10-179	Spring, Pressure Foot Lever	1
19	20C4-17	Screw, Pressure Foot Lever	1
20	90C4-47	Bearing, Cam Shaft	2
21	11C12-54	Shaft, Cam	1
22	34C1-20	Cam Spring	1
23	20C12-13	Screw, Cam Shaft Spring	1
24	55C4-49	Spacer	1
25	20C12-113	Screw, Latch	1
26	34C10-107	Spring, Latch	1
27	97C3-35	Latch, Cam	1
28	309C15-7	Setscrew	1
29	621C1-7	Release Lever With Cam	1
30	12C15-57	Spring Washer	1
31	20C12-156	Screw, Release Lever	1
32	300C10-1	Screw, 6-32 x 3/16 Round Head	2
33	22C3-2	Lift Handle	1
34	605C1-36	Knife Guard Rod (6"-8" Knife)	1
35	605C1-37	Knife Guard Rod (9"-10" Knife)	1
36	605C1-33	Knife Guard Rod (11 1/2" Knife)	1
37	605C1-34	Knife Guard Rod (13" Knife)	1
38	4C1-161	Nut	1
39	553C1-8	Lock Bracket	1
40	12C15-69	Washer	1
41	171C1-16	Lock (only), Pressure Foot	1
42	34C8-12	Spring	1
43	20C12-137	Screw	1
44	553C1-7	Lock Bracket Assembly	1
45	302C10-4	Screw, 6-32 x 5/16 Flat Head	1
46	302C10-8	Screw, 6-32 x 3/4 Flat Head	1
47	53C11-72	Cover	1
48	300C10-4	Screw, 6-32 x 3/8 Round Head	4
49	20C12-117	Screw	2
50	68C1-192	Pressure Foot Shoe	1

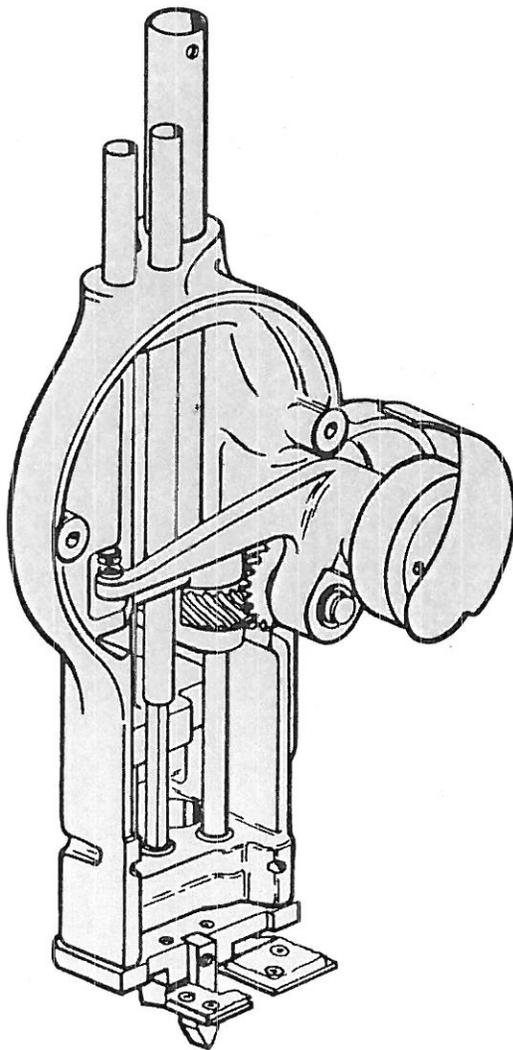
**NOTE:**

Please specify model and serial number of machine when ordering parts.  
Item numbers are for reference only.  
Please specify PART NUMBERS when ordering replacement parts.

**NOTE:** L.H. indicates left hand thread.  
All other are right hand.



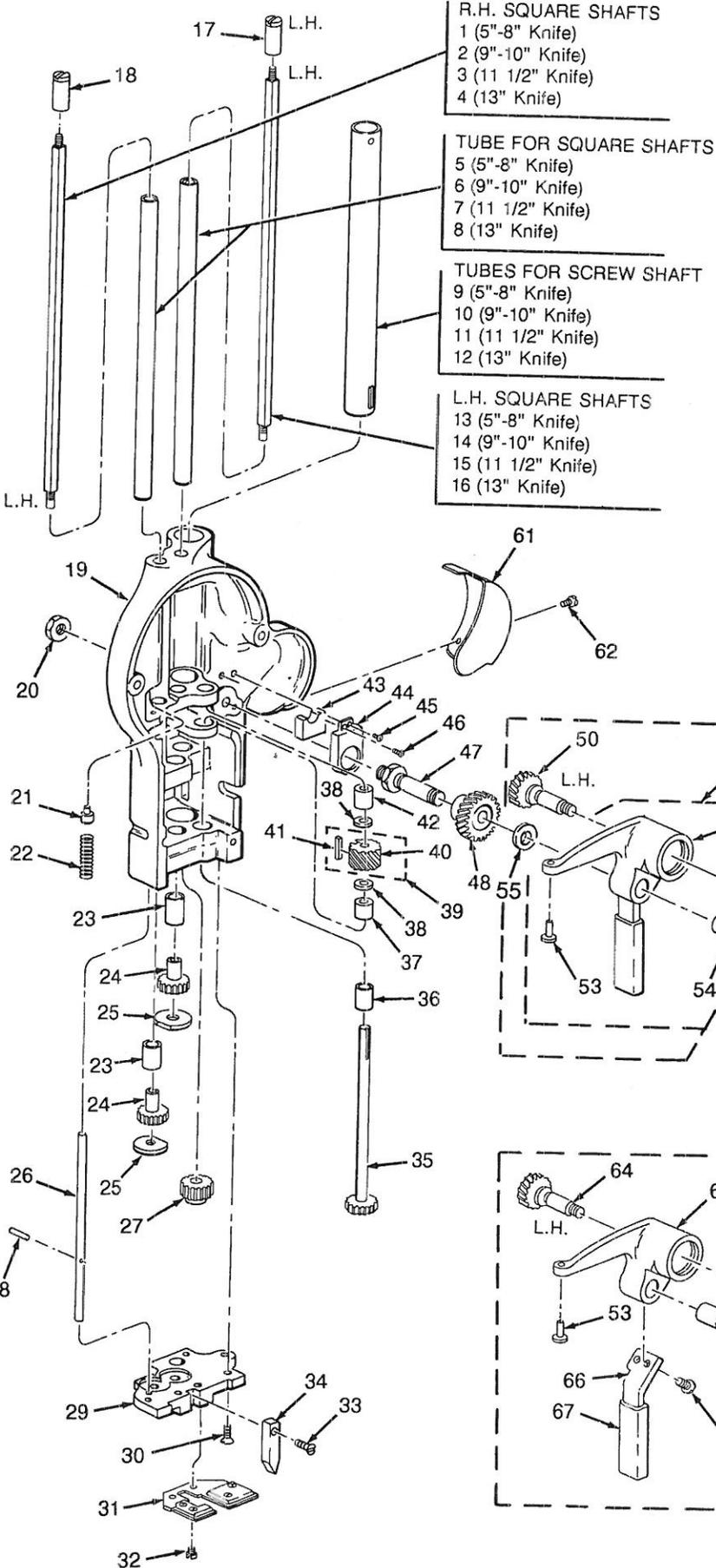
# Sharpener Housing Assembly (Rear View) Illustrated Parts List



ITEM	PART NO.	DESCRIPTION	QTY.
1	11C12-58	R.H. Square Shaft (5"-8" Knife)	1
2	11C12-59	R.H. Square Shaft (9"-10" Knife)	1
3	11C12-81	R.H. Square Shaft (11 1/2" Knife)	1
4	11C12-85	R.H. Square Shaft (13" Knife)	1
5	73C7-46	Tube For Square Shaft (4"-8" Knife)	1
6	73C7-47	Tube For Square Shaft (9"-10" Knife)	1
7	73C7-86	Tube For Square Shaft (11 1/2" Knife)	1
8	73C7-88	Tube For Square Shaft (13" Knife)	1
9	73C7-48	Tube For Screw Shaft (5"-8" Knife)	1
10	73C7-49	Tube For Screw Shaft (9"-10" Knife)	1
11	73C7-85	Tube For Screw Shaft (11 1/2" Knife)	1
12	73C7-87	Tube For Screw Shaft (13" Knife)	1
13	11C12-56	L.H. Square Shaft (5"-8" Knife)	1
14	11C12-57	L.H. Square Shaft (9"-10" Knife)	1
15	11C12-80	L.H. Square Shaft (11 1/2" Knife)	1
16	11C12-84	L.H. Square Shaft (13" Knife)	1
17	4C2-86	L.H. Follower Nut	1
18	4C2-85	R.H. Follower Nut	1
19	62C16-151	Sharpener Housing (Only)	1
20	4C2-2	Lock Nut	1
21	17C15-82	Pin	1
22	34C10-89	Bell Crank Spring	1
23	90C4-33	Bearing	2
24	87C3-44	Spur Gear	2
25	12C15-30	Thrust Washer	2
26	65C6-75	Push Rod	1
27	90C4-58	Shaft Bearing	1
28	17C15-103	Roll Pin	1
29	79C12-163	Bottom Plate	1
30	302C12-3	Screw, 8-32 x 3/8 Flat Head	3
31	727C1-6	Oil Pad & Holder	1
32	300C10-1	Screw, 6-32 x 3/16 Round Head	2
33	302C10-6	Screw, 6-32 x 1/2 Flat Head	1
34	17C15-113	Spreader Pin	1
35	716C1-12	Driver Shaft With Gear	1
36	90C4-29	Bearing (Lower)	1
37	90C4-42	Bearing (Drive Shaft)	1
38	12C15-29	Thrust Washer	2
39	724C1-3	L.H. Spiral Gear With Key	1
40	87C3-8	Spiral Gear	1
41	142C1-7	Key	1
42	90C4-48	Bearing (Upper)	1
43	191C1-21	Felt Pad	1
44	71C1-10	Oil Retainer-Idler Gear	1
45	300C7-1	Screw, 4-36 x 1/8 Round Head	1
46	300C7-2	Screw, 4-36 x 3/16 Round Head	1
47	11C12-64	Shaft For Crank	1
48	627C1-10	Idler Gear	1
49	584C3-16	Bell Crank Assembly	1
50	87C3-53	Gear And Shaft	1
51	584C2-3	Bell Crank with Pin & Bearing	1
52	85C3-6	Bell Crank (Std)	1
53	17C15-78	Pin For Bell Crank	1
54	90C4-34	Bearing	1
55	12C11-74	Thrust Washer	1
56	18C6-81	Retaining Ring	1
57	90C6-24	Ball Bearing	2
58	55C4-41	Spacer	1
59	18C6-26	Retaining Ring	1
60	602C1-9	Driver Pulley With Driver	1
61	53C11-60	Cover (Driver)	1
62	300C7-2	Screw, 4-36 x 3/16 Round Head	3
63	584C3-14	Bell Crank Assembly (Slow Speed)	1
64	87C3-42	Gear And Shaft (Slow Speed)	1
65	85C3-2	Bell Crank (Slow Speed)	1
66	57C7-47	Release Lever	1
67	53C11-109	Cover, Bell Crank (Slow Speed)	1
68	300C12-3	Screw, Release Lever	2
69	602C1-7	Slow Speed Driver Assembly	1

**NOTE:**

Please specify model and serial number of machine when ordering parts.  
Item numbers are for reference only.  
Please specify PART NUMBERS when ordering replacement parts.



- R.H. SQUARE SHAFTS**  
 1 (5"-8" Knife)  
 2 (9"-10" Knife)  
 3 (11 1/2" Knife)  
 4 (13" Knife)

- TUBE FOR SQUARE SHAFTS**  
 5 (5"-8" Knife)  
 6 (9"-10" Knife)  
 7 (11 1/2" Knife)  
 8 (13" Knife)

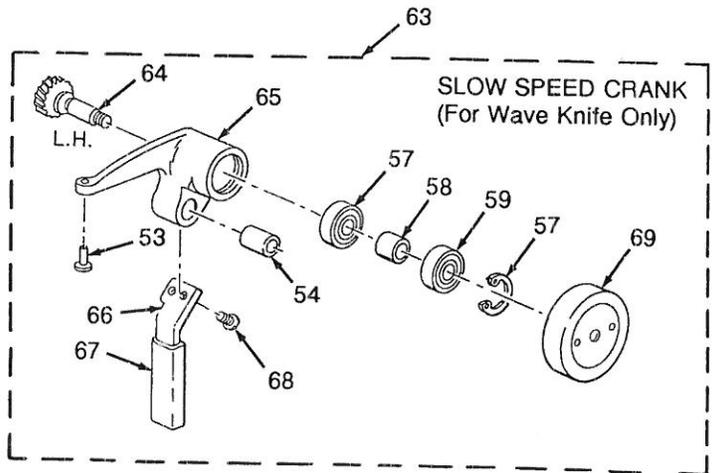
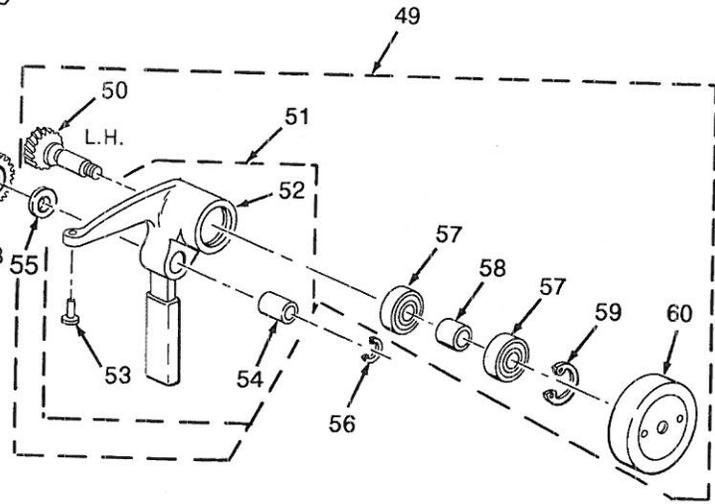
- TUBES FOR SCREW SHAFT**  
 9 (5"-8" Knife)  
 10 (9"-10" Knife)  
 11 (11 1/2" Knife)  
 12 (13" Knife)

- L.H. SQUARE SHAFTS**  
 13 (5"-8" Knife)  
 14 (9"-10" Knife)  
 15 (11 1/2" Knife)  
 16 (13" Knife)

**SPACER CHART**  
**For Automatic Sharpeners**  
**(See Page 17)**

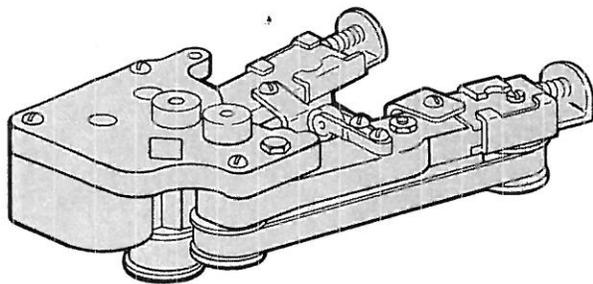
STROKE	KNIFE SIZE	SPACER NUMBER	SPACER LENGTH
1 1/8 - 1 1/4	5	73C7-55	3 7/8
1 1/2 - 1 3/4	5	73C7-56	4 1/4
1 1/8 - 1 1/4	6	73C7-57	2 7/8
1 1/2 - 1 3/4	6	73C7-58	3 1/4
1 1/8 - 1 1/4	7	73C7-59	1 7/8
1 1/2 - 1 3/4	7	73C7-60	2 1/4
1 1/8 - 1 1/4	8	1C13-12	15/16
1 1/2 - 1 3/4	8	1C13-13	1 1/4
1 1/8 - 1 1/4	9	73C7-59	1 7/8
1 1/2 - 1 3/4	9	73C7-60	2 1/4
1 1/8 - 1 1/4	10	1C13-12	15/16
1 1/2 - 1 3/4	10	1C13-13	1 1/4
1 1/8 - 1 1/4	11 1/2	1C13-12	15/16
1 1/2 - 1 3/4	11 1/2	1C13-13	1 1/4
1 1/8 - 1 1/4	13	1C13-12	15/16
1 1/2 - 1 3/4	13	1C13-13	1 1/4

**NOTE:** L.H. indicates left hand thread. All other are right hand.



# Lower Gear Bracket Assembly Illustrated Parts List

715C1-23 Lower Gear Bracket Assembly Complete



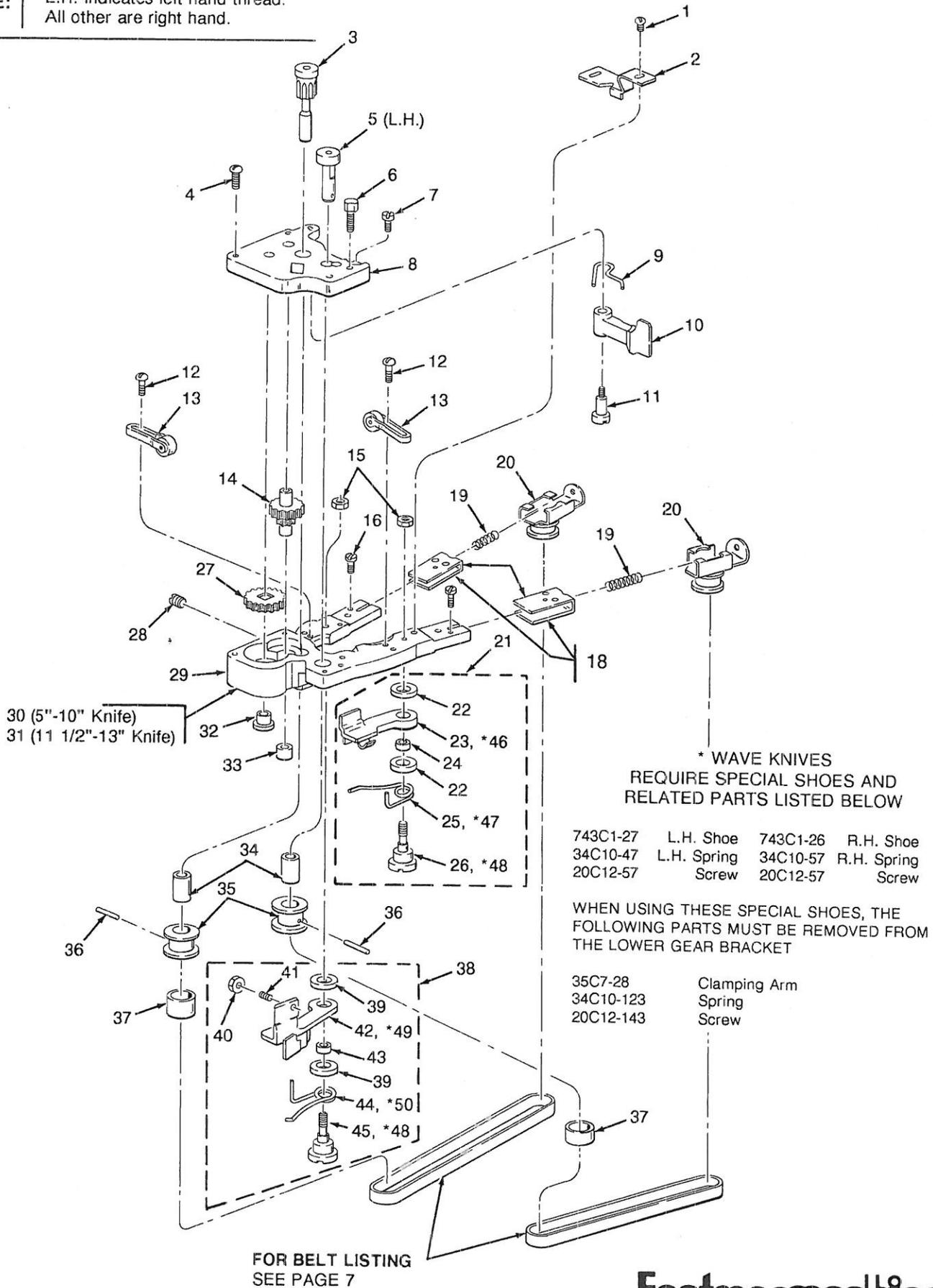
Complete Sharpener Assembly Numbers: 637C10-*				
Height	Machine Stroke			
	1 1/8"	1 1/4"	1 1/2"	1 3/4"
5"	-20,	-21,	-22,	-23,
6"	-24,	-25,	-26,	-27,
7"	-28,	-29,	-30,	-31,
8"	-32,	-33,	-34,	-35,
9"	-36,	-37,	-38,	-39,
10"	-40,	-41,	-42,	-43,
11 1/2"	-44,	-45,	-46,	-47,
13"	-48,	-49,	-50,	-51

ITEM	PART NO.	DESCRIPTION	QTY.
1	300C10-2	Screw, 6-32 X 1/4 Round Head	2
2	70C4-32	Guide Back	1
3	147C1-29	Shaft Extension L.H.	1
4	300C10-6	Screw 6-32 X 1/2 Round Head	3
5	147C1-28	Shaft Extension R.H.	1
6	20C6-25	Adjusting Screw	1
7	301C10-3	Screw, 6-32 X 3/8 Filister Head	1
8	53C4-78	Gear Cover	1
9	34C10-123	Spring For Arm	1
10	35C7-28	Clamping Arm	1
11	20C12-143	Clamping Arm Screw	1
12	300C7-3	Screw, 4-36 X 1/4 Round Head	4
13	728C1-5	Stabilizer	2
14	87C5-13	Intermediate Gear	1
15	4C2-63	Nut	2
16	301C7-2	Screw, 4-36 X 3/16 Filister Head	2
17	-----	Not Used	-
18	79C12-219	Wear Plate	2
19	34C10-45	Spring	2
20	712C1-1	L.H. Slide With Pulley	1
21	820C1-8	Shoe Assembly, R.H.	1
22	12C15-93	Washer	2
23	743C1-28	Pre-Set Shoe, R.H.	1
24	21C14-14	Bushing	1
25	34C10-149	R.H. Sharpener Shoe Spring	1
26	20C12-153	Screw	2
27	87C3-50	Screw Shaft Gear	1
28	54C4-35	Grease Plug	1
29	62C6-31	Bracket	1
30	715C1-19	Bracket With Cover, Bearings, Screws & Wear Plate (5"-10" Knife)	1
31	715C1-20	Bracket With Cover, Bearings, Screws & Wear Plate (11 1/2"-13" Knife)	1
32	90C4-51	Bearing	1
33	90C4-47	Gear Bearing	1
34	90C4-59	Extension Shaft Bearing	2
35	152C1-19	Front Pulley	2
36	17C15-106	Roll Pin	2
37	209C1	Neoprene Band	2
38	820C1-7	Shoe Assembly, L.H.	1
39	12C15-93	Washer	2
40	4C1-189	Jam Nut	1
41	309C12-2	Stop Screw, L.H. Shoe	1
42	743C1-29	Pre-Set Shoe, L.H.	1
43	21C14-14	Bushing	1
44	34C10-148	Shoe Spring, L.H.	1
45	20C12-153	Screw	2
46	743C1-26	R.H. Shoe (Wave Knife Only)	1
47	34C10-57	R.H. Spring (Wave Knife Only)	1
48	20C12-57	Screw (Wave Knife Only)	2
49	743C1-27	L.H. Shoe (Wave Knife Only)	1
50	34C10-47	L.H. Spring (Wave Knife Only)	1

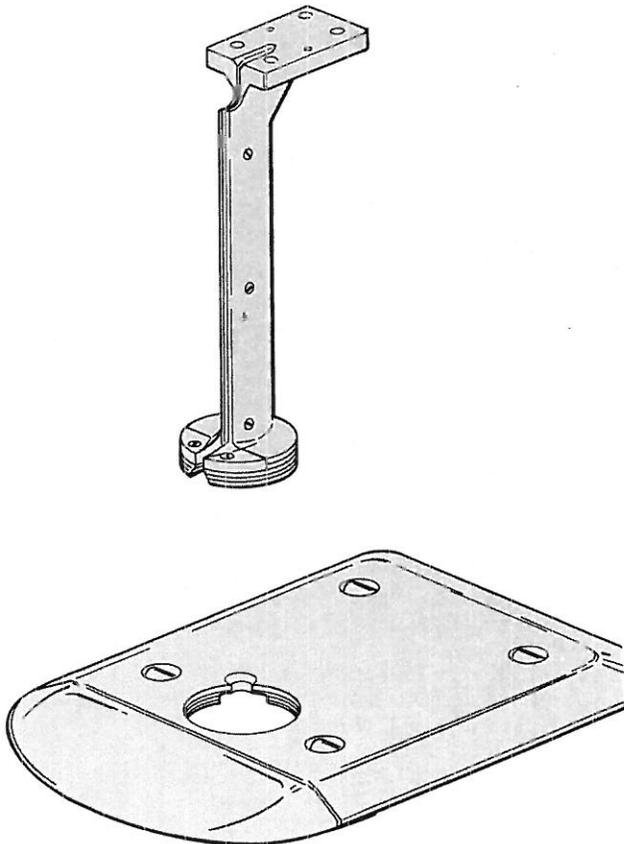
**NOTE:** Please specify model and serial number of machine when ordering parts. Item numbers are for reference only. Please specify PART NUMBERS when ordering replacement parts.

**NOTE:**

L.H. indicates left hand thread.  
All other are right hand.



# Standard, and Base Plate Assembly Illustrated Parts List



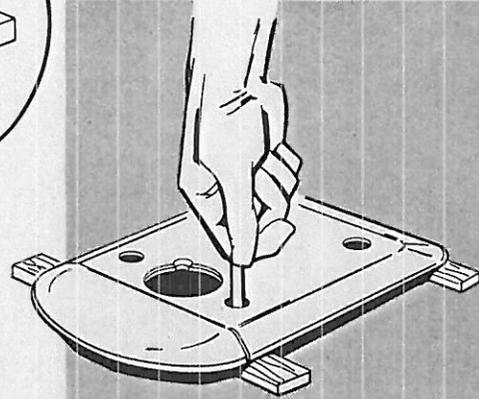
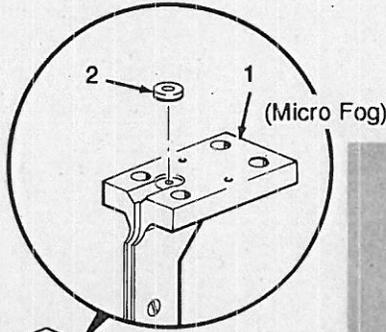
ITEM	PART NO.	DESCRIPTION	QTY.
1	528C1-112	Micro Fog Standard, 6" Knife (complete with slides & throat plates)	1
2	12C15-77	Washer, Micro Fog Standard	1
3	528C1-123	Standard (complete) 5" Knife	1
4	528C1-120	Standard (complete) 6" Knife	1
5	528C1-122	Standard (complete) 7" Knife	1
6	528C1-121	Standard (complete) 8" Knife	1
7	528C1-115	Standard (complete) 9" Knife	1
8	528C1-116	Standard (complete) 10" Knife	1
9	528C1-124	Standard (complete) 11 1/2" Knife	1
10	528C1-125	Standard (complete) 13" Knife	1
11	20C12-19	Knife Slide Screw	3
12	79C4-12/13	Throat Plate With Screw & Pins	1
13	79C4-24	Tapered & Relieved Throat Plate Assy	1
14	302C12-3	Screw, 8-32 x 3/8 Flat Head	2
15	17C1-4	Pin	2
16	643C1-44	Knife Slides (with screws) 5" Knife	1
17	643C1-41	Knife Slides (with screws) 6" Knife	1
18	643C1-42	Knife Slides (with screws) 7" Knife	1
19	643C1-43	Knife Slides (with screws) 8" Knife	1
20	643C1-46	Knife Slides (with screws) 9" Knife	1
21	643C1-47	Knife Slides (with screws) 10" Knife	1
22	643C1-53	Knife Slides (with screws) 11 1/2" Knife	1
23	643C1-45	Knife Slides (with screws) 13" Knife	1
24	643C1-51	Knife Slides (with screws) 6" Micro Fog	1
25	17C6-9	Hinge Pin	2
26	213C1-1	Fibre Shim	6
27	619C1-32	Swivel Roller Assembly (optional)	2
28	20C5-12	Screw, Roller Clamp	6
29	532C2-3	Rubber Mounted Wide Roller Assembly	4
30	532C2-5	Rubber Mounted Roller Assembly (std)	4
31	619C1-31	Roller Shell (complete)	4
32	505C3-223	Small Plate (complete) 5"-8" Knife	1
33	505C3-224	Large Plate (complete) 9"-13" Knife	1
34	20C13-51	Hinge Pin Clamp Screw	4
35	12C1-35	Lock Washer	4
36	34C1-57	Tension spring	2
37	60C1-55	Plate Wing (small)	1
38	60C1-56	Plate Wing (large)	1

**NOTE:**

Please specify model and serial number of machine when ordering parts.  
Item numbers are for reference only.  
Please specify PART NUMBERS when ordering replacement parts.

STANDARDS COMPLETE W/SLIDES

- 3 (5" Standard)
- 4 (6" Standard)
- 5 (7" Standard)
- 6 (8" Standard)
- 7 (9" Standard)
- 8 (10" Standard)
- 9 (11 1/2" Standard)
- 10 (13" Standard)

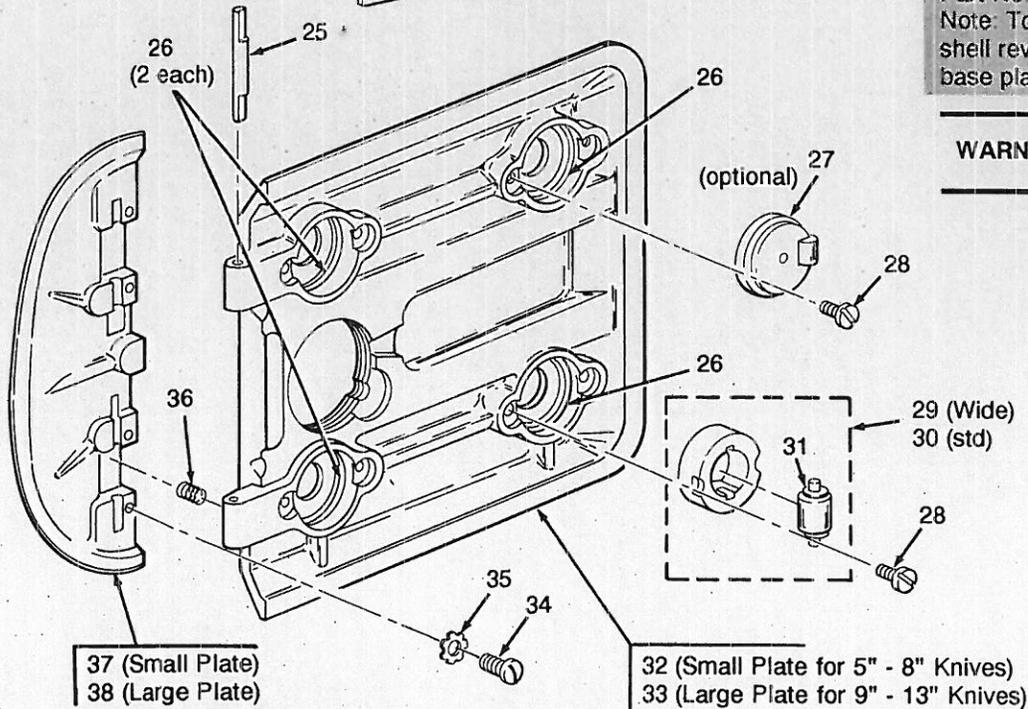


INSTRUCTIONS FOR REMOVING WORN PLATE ROLLER SHELL

Place plate on blocks and press out roller shell from ring assembly, as shown.  
 Roller shell (complete with shaft and bearings) may be ordered as required - Specify Part No. 619C1-30.  
 Note: To install new plate roller shell reverse above procedure with base plate inverted

**WARNING:** Do not oil plate roller shells.

- 16 (5" Knife)
- 17 (6" Knife)
- 18 (7" Knife)
- 19 (8" Knife)
- 20 (9" Knife)
- 21 (10" Knife)
- 22 (11 1/2" Knife)
- 23 (13" Knife)
- 24 (6" Micro Fog)



FOR COMPLETE LIST OF EASTMAN KNIVES AVAILABLE SEE PAGE 9.