



VERTICAL STRAIGHT KNIFE CLOTH CUTTING MACHINE

High Efficiency Vertical Cloth Cutting Machine



ABILITY OF SHARP CUTTING PERFORMANCE



Vertical Cloth Cutting Machine

Vertical Knife 550W/750W Technical Specification

It is the most useful cutting instrument in apparel cutting. In apparel industry, more than 99% cases this knife is used. This machine is called straight knife cutting machine because its cutter is straight in shape. It is used for both woven & knit fabric. In this machine different types of straight knife are used according to the different cutting objects. This machine provides good efficiency. Cutting of intricate patterns and tight turns due to the low-profile base plate and narrow silhouette standard

Continuous, Smooth Running:-

Perfect fit and continuous running with cross heads, crank and knife slides that are machined to a tolerance within .0005"(0.0013cm)

Simple handling of the machine due to its low center of gravity and the best power-to-gravity weight ratio in the industry

Low maintenance requiring only daily lubricating with the easy-to-use One Shot single-reservoir oiling system

Features of Straight Knife Cutting Machine:

- The main parts of this machine are straight knife, electric motor, handle, Grinder, base plate, stand/ knife holder, lubricating unit, wheel etc.
- Could be used to cut higher depth of fabric.
- Knife height is 10 cm to 33 cm.
- Knife stroke is 2.5 cm to 4.5 cm.
- Motor R.P.M. is 3000 to 4000.
- Auto grinder is used.
- Auto lubricating unit works for this machine.
- Different types of knife edge are used for cutting different objects Such as, straight edges, wave edge, sew edge & serrated edge.
- A Handle for the cutter to direct the Knife.
- Knife guard is attached to the front of the knife.
- Sharp & heavy corners can be cut.
- Maximum 70% of knife height is used for fabric lay.
- Wheels are under the base plate to move the machine smoothly.
- Machine weight is around 12-15 kg.
- Knife cut the fabric very fast due to high speed of motor. That increases the risk of fabric damage.

Advantages of Straight Knife Cutting Machine:

- ✓ A large number of fabric lays can be cut by the machine due to high length of knife & R.P.M. of the motor. So, productivity is high.
- ✓ Automatic grinding.
- ✓ Automatically lubrication.
- ✓ Comparatively cheap.
- ✓ Can be moved easily by wheel.
- ✓ Suitable for straight line & curve line.
- ✓ Can be cut high curve line than round knife.
- ✓ Fabric can be cut from any angle.

Specification:-

Model	629 x Blue	627 x Black Series
Knife Size	8 inches / 20.3cm / 203 mm	
Fabric Cutting Capacity	6.5 inches / 16.5cm / 165mm	
Type of Fabric	Light / Medium Material	Heavy / Jeans Material
Power	550 Watts	750 Watts
Volts / Cycle	1 Phase (220 V / 5 Hz)	
Speed (rpm)	2850	
Disconnected Class	E	
Weight of the machine	14.0 Kg / 31 lbs	15.5 Kg / 34 lbs
Gross weight	17.5 Kg / 39 lbs	19.0 Kg / 42 lbs
Dimension in cm	76 x 40.5 x 32 / CM3	

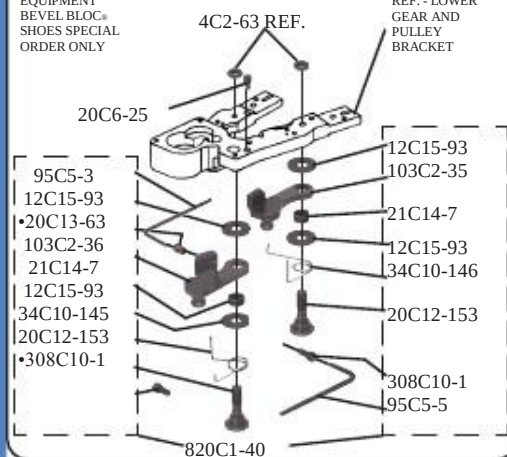
SHARPENING ASSEMBLY

BEVEL BLOC SHOE ASSEMBLY

Subassembly 743C3-1 includes:

Parts Number	Description
20C13-63	Socket Set Screw
766C1-1	Bevel Bloc Assembly (L.H.)
308C10-1	Socket Set Screw (6-32 x 5/16") (2)

OPTIONAL
EQUIPMENT
BEVEL BLOC®
SHOES SPECIAL
ORDER ONLY



Parts Number	Description
4C2-63	Nut (L.H.) (2)
715C1-16	Lower Gear Bracket (5"-10" Knife, Complete)
715C1-18	Lwr. Gear Brkt. (11-1/2"-13" Knife, Complete)
820C1-40	Conversion Kit (R.H. & L.H. Shoes)

Conversion Kit includes the following:

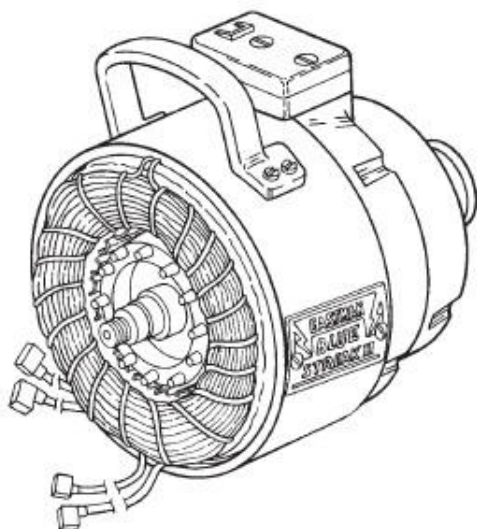
12C15-93	Washer Shoe (4)
20C6-25 *	Adjusting Screw
20C12-153	Screw For Sharpener Shoe (2)
20C13-63	Socket Set Screw
21C14-7	Shoe Bushing (2)
34C10-145	Spring Shoe (L.H.)
34C10-146	Spring Shoe (R.H.)
95C5-3	Allen Wrench
95C5-5 *	Allen Wrench
103C2-35	Sharpener Shoe (R.H.)
103C2-36	Sharpener Shoe (L.H.)
308C10-1*	Socket Set Screw (6-32 x 5/16") (2)
820C1-39	Conversion Kit (includes * parts above)

Note: 766C1 and 766C1-1 are sold in pairs with kits only.

Note: Number in parenthesis indicate quantity of a part required.

SINGLE & THREE PHASE MOTOR ASSEMBLIES

(Single & Dual Speed)



Parts Number	Description
1C4-8 ****	Cutout Sleeve
4C1-145	Shaft Lock Nut
4C2-87	Clutch Nut
8C5-10 ***	Automatic Switch Insulation
8C12-4 ***	Lead Wire Insulation (2)
10C1-41	Rotor Fan
12C1-12	Loading Spring Washer
12C1-32	Lock Washer
13C1-9	Turning Knob
18C6-16	Retaining Ring
22C1-24 **	Carrying Handle
30C1-8	Dust Cap
34C1-51	Clutch Spring
47C4-79 ***	Terminal
47C4-80 ***	Terminal
53C7-35	Fan Cover
67C1-10 ****	Cutout Mount
73C7-121	Terminal Wire Tubing
79C2-26 ****	Direction Arrow Plate
90C1-146	Rear Bearing Housing
90C6-46	Rear Ball Bearing
199C1-23 ****	Wire Lug (3)
254C1	Cable Tie (4")
300C12-3 ****	Round Head Screw (8-32 x 3/8") (2)
300C12-6	Round Head Screw (4)
301C8-1	Fillister Head Screw (4-40 x 1/2") (3)
301C12-3 ***	Fillister Head Screw (8-32 x 3/8") (2)
305C8-1	Binding Head Screw (10)
305C10-1	Binding Head Screw
513C3-206 **	Rotor w/Shaft
513C3-225 *	Rotor w/Shaft
514C5-109 *&***	Stator w/Band (110V, 60Hz, 3600RPM)
514C5-114 *&***	Stator w/Band (110V, 60Hz, 1800/3600RPM)
514C5-127 **&***	Stator w/Band (110V, 60Hz, 3600RPM)
514C5-129 **&***	Stator w/Band (110V, 60Hz, 1500/3000RPM)
514C5-146 **&****	Stator w/Band (220V, 60Hz, 3600RPM)
514C5-148 **&****	Stator w/Band (220V, 60Hz, 1800/3600RPM)
514C5-155 *&****	Stator w/Band (220V, 60Hz, 3600RPM)
514C5-158 *&****	Stator w/Band (220V, 60Hz, 1800/3600RPM)
580C1-191 ***	Cutout Switch (Dual Speed)
580C1-192 ***	Cutout Switch (Single Speed)
597C2-14 ***	Cutout Assembly (60C, 3600RPM)
597C2-25 ***	Cutout Assembly (60C, 1500/3000RPM)
783C1-3	Grounding Wire Assembly

*** One Phase Motor Assemblies Only

**** Three Phase Motor Assemblies Only

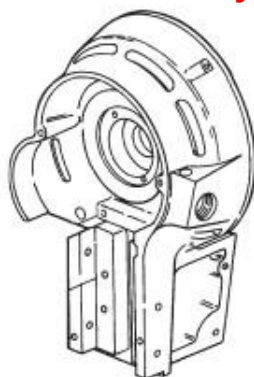
Note: Number in parenthesis indicate quantity of a part required.



**SEE ATTACHMENT
PLUG TERMINAL
BLOCK**

Note: L.H. indicates left-handed thread. All others are right-handed

FRONT BEARING HOUSING (90C2-162) With Oiler Assembly



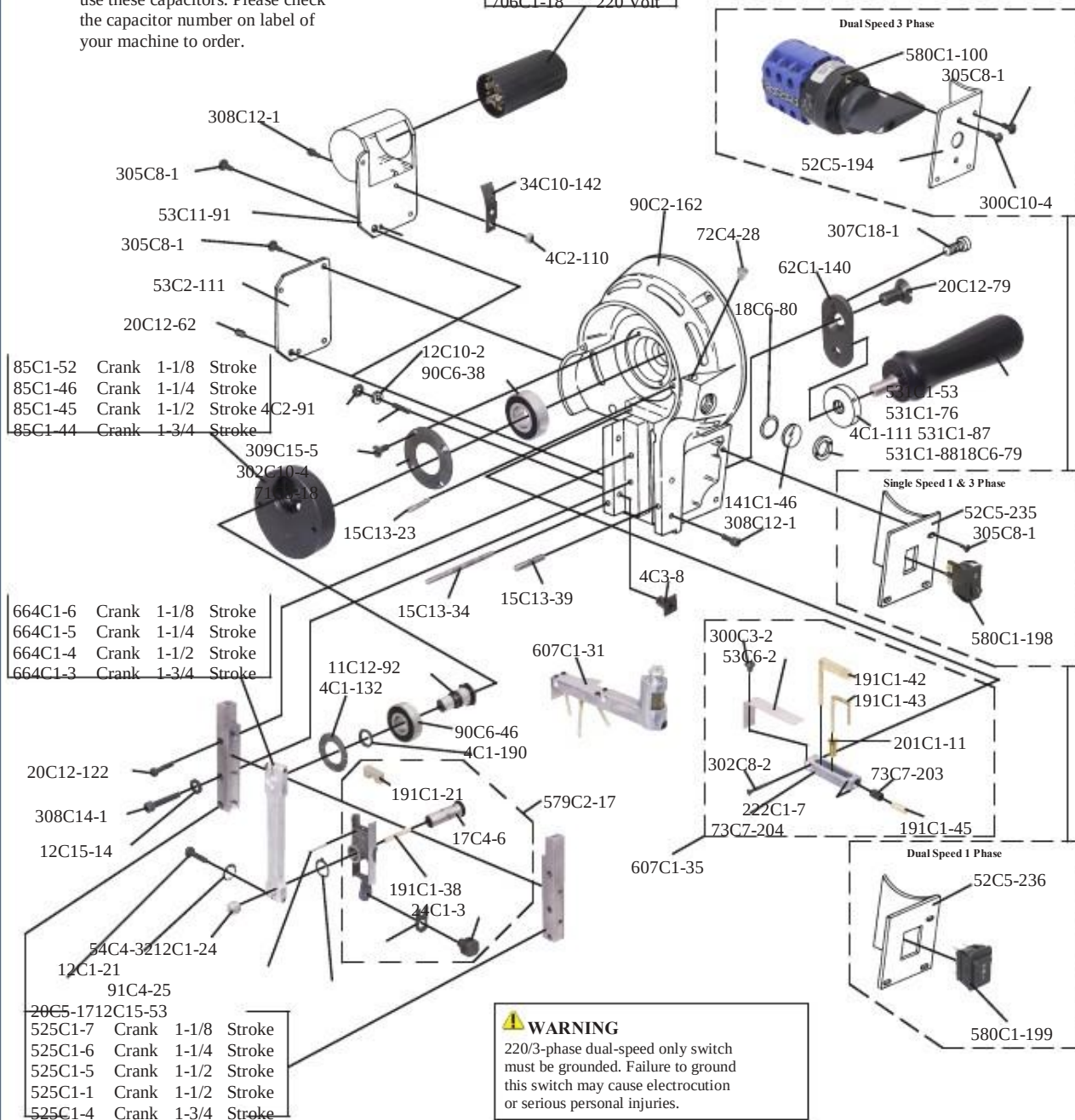
Eastman Number	Description
4C1-111	Operating Handle Lock Nut
4C1-132	Crank Ball Bearing Lock Nut
4C1-190	Lock Nut For Shaft
4C2-91	Nut For Guide Screw (3)
4C2-110	Stop Nut
4C3-8	Guide Adjustment Nut (3)
11C12-92	Shaft For Ball Bearing
12C1-21	Shakeproof Washer (2)
12C1-24	Knife Lock Washer
12C10-2	Washer (3)
12C15-14	Guide Washer (6)
12C15-53	Connecting Rod Washer
15C13-23	Upper Stud (2)
15C13-34	Lower LH Mounting Stud
15C13-39	Lower RH Mounting Stud
17C4-6	Wrist Pin
18C6-79	Lock Ring
18C6-80	O-Ring
20C5-17	Connecting Rod Clamp Screw (2)
20C12-62	Front Housing Plug Screw
20C12-79	Screw For Handle Bracket
20C12-122	Guide Hold Down Screw
24C1-3	Knife Lock Bolt
34C10-142	Spring For Capacitor
52C5-194	Switch Plate (Dual Speed, 3 Ph.)
52C5-235	Switch Plate (Single Speed)
52C5-236	Switch Plate (Dual Speed, 1 Ph.)
53C2-111	Switch Cover
53C6-2	Oil Tube Cover
53C11-91	Capacitor Cover
54C4-32	Wrist Pin Plug
62C1-140	Handle Bracket
71C3-18	Front Ball Bearing Retainer
72C4-28	Oil Hole Cover
73C7-203	Oil Tube, Clear
73C7-204	Oiler Tube
85C1-44	Crank (1-3/4" Stroke)
85C1-45	Crank (1-1/2" Stroke)
85C1-46	Crank (1-1/4" Stroke)
85C1-52	Crank (1-1/8" Stroke)
90C2-162	Front Bearing Housing
90C6-38	Front Ball Bearing
90C6-46	Sealed Crank Ball Bearing
91C4-25	Rivet Crosshead (2)
141C1-46	Gauge, Clear

Eastman Number	Description
191C1-21	Crosshead Felt Pad
191C1-38	Wrist Pin Felt Pad
191C1-42	Oil Felt Wicking, Long
191C1-43	Oil Felt Wicking, Short
191C1-45	Oil Felt Wicking (.187" x .44")
201C1-11	Eyelet
222C1-7	RTV Sealer
300C3-2	Round Head Screw (2-56 x 1/8") (4)
300C10-4	Round Head Screw (6-32 x 3/8") (2)
302C8-2	Flat Head Screw (4-40 x 3/4")
302C10-4	Flat Head Screw (6-32 x 5/16") (4)
305C8-1	Binding Head Screw (4-40 x 1/4") (7)
307C18-1	Screw
308C12-1	Socket Head Screw (8-32 x 3/8") (3)
308C14-1	Guide Hold Down Screw (4)
309C15-5	Guide Adjustment Screw (3)
525C1-4	LH & RH Guides (1-3/4" Stroke)
525C1-5	LH & RH Guides (1-1/2" Stroke)
525C1-1	LH & RH Guides (1-1/2" Stroke)
	(For Old Style 625 Model Only)
	LH & RH Guides (1-1/4" Stroke)
	LH & RH Guides (1-1/8" Stroke)
525C1-6	Operating Handle
525C1-7	Cushion Grip Handle
531C1-53	Cross Head w/Lock Washer & Bolt
531C1-76	Switch, Dual Speed (3 Phase)
579C2-17	Switch, Single Speed (1 & 3 Phase)
580C1-100	Switch, Dual Speed (1 Phase)
580C1-198	Oiling Device
580C1-199	Oiling Device - One Shot (For Old
607C1-35	Style 627 & 629 Models Only)
607C1-31	Connecting Rod (1-3/4" Stroke)
	Connecting Rod (1-1/2" Stroke)
	Connecting Rod (1-1/4" Stroke)
664C1-3	Connecting Rod (1-1/8" Stroke)
664C1-4	Capacitor (110 Volt)
664C1-5	Capacitor (220 Volt)
664C1-6	Capacitor (110 Volt)
706C1-4 **	Capacitor (220 Volt)
706C1-5 **	
706C1-13 *	
706C1-18 *	

Note: Number in parenthesis indicate quantity of a part required.

Note: Certain 220 volt machines will use these capacitors. Please check the capacitor number on label of your machine to order.

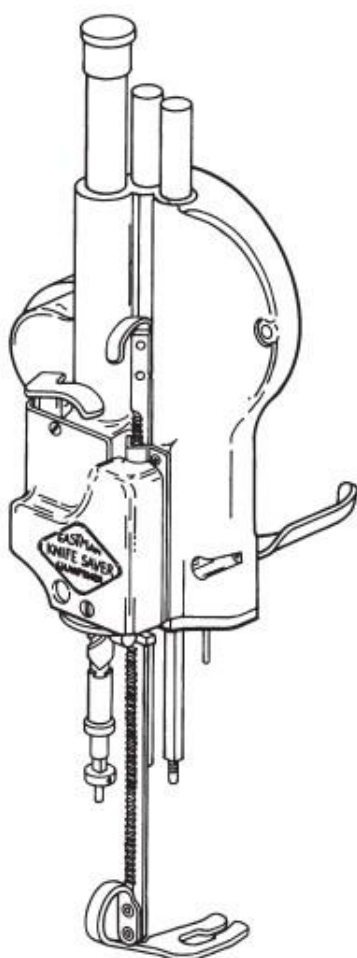
706C1-4	110 Volt
706C1-5	220 Volt
706C1-13	110 Volt
706C1-18	220 Volt



Notes: L.H. indicates left-hand thread. All others are right-hand.

Slip large lug over switch before replacing switch base. Secure switch to base tightly to ensure positive ground.

SHARPENER HOUSING ASSEMBLY (Front View)



Eastman Number	Description
4C1-149	Nut, Elastic
4C1-161	Nut, Self Locking
4C2-112	R.H. Nut For Screw Shaft
4C2-113	L.H. Nut For Screw Shaft
5C5-16	Collar, Lower
11C12-54	Shaft For Cam
12C15-57	Spring Washer For Release Lever
12C15-69	Washer For Lock Bracket
12C15-74	Washer, Flat (4)
12C15-91	Thrust Washer, Upper Nut (2)
17C15-106	Roll Pin For Collar
20C4-17	Pressure Foot Lever Screw
20C12-13	Cam Shaft Spring Screw
20C12-113	Screw For Latch
20C12-117	Screw For Pressure Foot Shoe (2)
20C12-156	Screw For Release Lever
20C12-137	Screw For Knife Guard Lock
22C3-2	Lift Handle For Knife Guard Lock
34C1-20	Tension Spring
34C8-12	Spring For Pressure Foot Lock
34C10-179	Spring For Pressure Foot Lever
34C10-107	Spring For Latch
53C11-72	Cover For Cam
53C11-103	Vinyl Cover For Handle
55C4-49	Spacer For Knife Guard Lock Bracket
68C1-192	Pressure Foot Shoe (All Strokes)
71C3-15	Thrust Ball Bearing (3)
86C7-34	Cap For Tube
90C4-47	Bearing For Cam Shaft
97C3-35	Latch For Cam
147C1-26	Extension For Screw Shaft
171C1-16	Lock (Only) For Pressure Foot
300C10-1	Round Head Screw (6-32 x 3/16") (2)
300C10-4	Round Head Screw (6-32 x 3/8") (4)
302C10-4	Flat Head Screw (6-32 x 5/16")
302C10-8	Flat Head Screw (6-32 x 3/4")
309C15-7	Set Screw For Cam
553C1-7	Pressure Foot Lock Bracket, Complete
553C1-8	Knife Guard Lock Bracket Only
605C1-36	Knife Guard Rod (7-8" Knife)
605C1-37	Knife Guard Rod (9-10" Knife)
605C1-33	Knife Guard Rod (11-1/2" Knife)
605C1-34	Knife Guard Rod (13" Knife)
621C1-7	Release Lever w/Cam
683C1-17	Pressure Foot Lever
713C4-4	Screw Shaft w/Extension (R & L Hand Nuts (5"-8" Knife)) Screw Shaft w/Extension (R & L Hand Nuts (9"-10" Knife)) Screw Shaft w/Extension (R & L Hand Nuts (11-1/2" Knife))
713C4-5	Screw Shaft w/Extension (R & L Hand Nuts (13" Knife))
713C4-6	Sharpener Housing w/Bushings & Tubes Only (5-8" Knife)
713C4-7	Sharpener Housing w/Bushings & Tubes Only (9-10" Knife)
732C1-11	Sharpener Housing w/Bushings & Tubes Only (13" Knife)
732C1-12	
732C1-17	

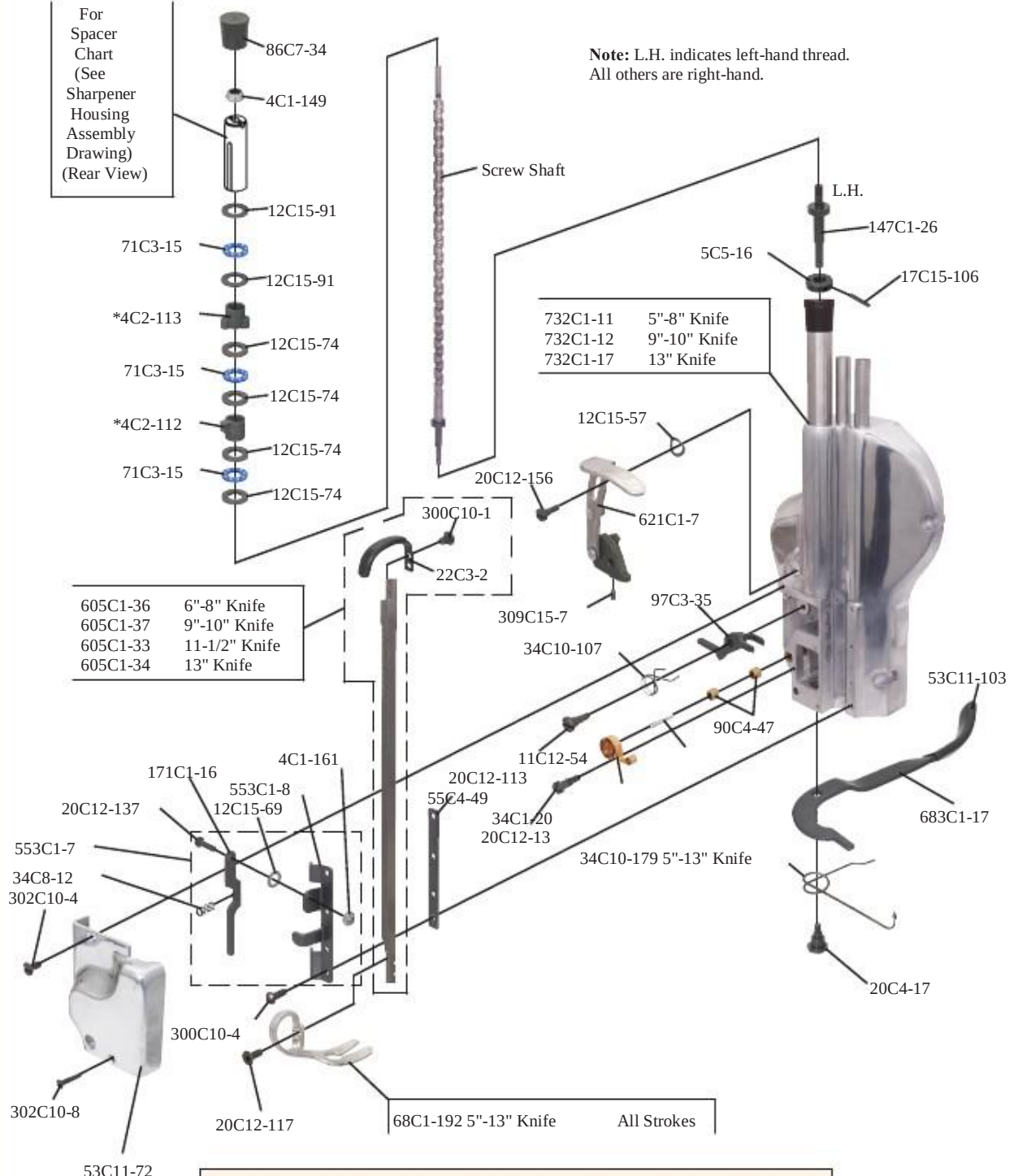
Note: Number in parenthesis indicate quantity of a part required.

*** THESE PARTS SOLD ONLY IN
ASSEMBLIES AS FOLLOWS**

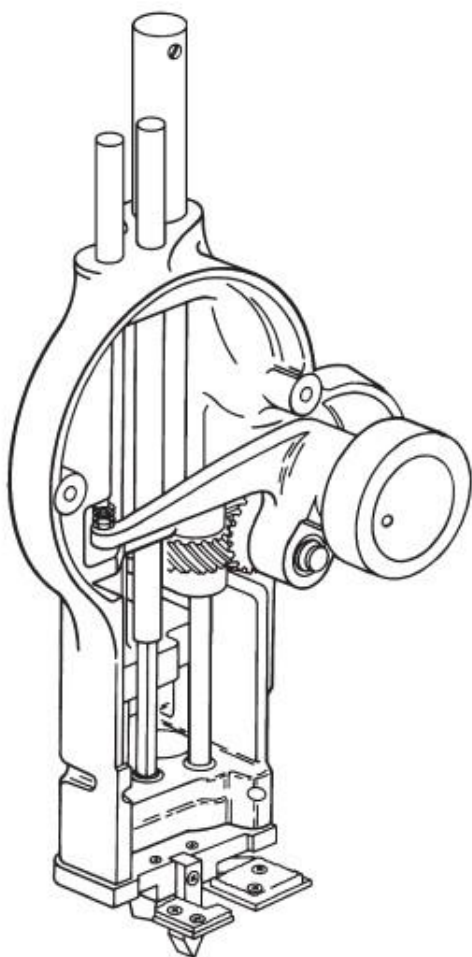
713C4-4	Screw Shaft with Extension, R. & L. Hand Nuts 5"-8"
713C4-5	Screw Shaft with Extension, R. & L. Hand Nuts 9"-10"
713C4-6	Screw Shaft with Extension, R. & L. Hand Nuts 11-1/2"
713C4-7	Screw Shaft with Extension, R. & L. Hand Nuts 13"

For
Spacer
Chart
(See
Sharpener
Housing
Assembly
Drawing)
(Rear View)

Note: L.H. indicates left-hand thread.
All others are right-hand.



SHARPENER HOUSING ASSEMBLY (Rear View)



Parts Number	Description
4C2-2	Lock Nut For Shaft
4C2-85	RH Follower Nut
4C2-86	LH Follower Nut
11C12-58	RH Square Shaft (5-8" Knife)
11C12-59	RH Square Shaft (9-10" Knife)
11C12-81	RH Square Shaft (11-1/2" Knife)
11C12-85	RH Square Shaft (13" Knife)
11C12-56	LH Square Shaft (5-8" Knife)
11C12-57	LH Square Shaft (9-10" Knife)
11C12-80	LH Square Shaft (11-1/2" Knife)
11C12-84	LH Square Shaft (13" Knife)
11C12-64	Shaft For Crank
12C11-74	Thrust Washer
12C15-29	Thrust Washer (2)
12C15-30	Thrust Washer For Bottom Plate (2)
17C15-78	Pin For Bell Crank
17C15-82	Pin Crank Spring
17C15-103	Roll Pin For Push Rod
17C15-113	Spreader Pin
18C6-81	Retaining Ring For Shaft
18C6-26	Retaining Ring For Bell Crank
34C10-89	Spring For Bell Crank
53C11-60	Cover Drive Pulley (For Old Style 625, 627 & 629 Models Only)
55C4-41	Spacer For Ball Bearings
62C16-151	Sharpener Housing Only
65C6-75	Push Rod
71C1-10	Idler Gear Oil Retainer
73C7-46	Tube For Square Shaft (4-8" Knife)
73C7-47	Tube For Square Shaft (9-10" Knife)
73C7-86	Tube For Square Shaft (11-1/2" Knife)
73C7-88	Tube For Square Shaft (13" Knife)
73C7-48	Tube For Screw Shaft (4-8" Knife)
73C7-49	Tube For Screw Shaft (9-10" Knife)
73C7-85	Tube For Screw Shaft (11-1/2" Knife)
73C7-87	Tube For Screw Shaft (13" Knife)
79C12-163	Bottom Plate, Sharpener Housing
85C3-6E	Bell Crank Only
87C3-8	Spiral Gear
87C3-44	Spur Gear (2)
87C3-53	Gear & Shaft
90C4-29	Lower Bearing For Drive Shaft
90C4-33	Bearing For Gears (2)
90C4-34	Bearing For Bell Crank
90C4-42	Bearing For Drive Shaft
90C4-48	Upper Bearing For Drive Shaft
90C4-58	Bear For Screw Shaft
90C6-24	Ball Bearing For Crank (2)
142C1-7	Key For Gear
191C1-21	Felt Pad For Cross Head
300C7-1	Round Head Screw (4-36 x 1/8")
300C7-2	Screw
300C10-1	Round Head Screw (6-32 x 3/16") (2)
302C10-6	Flat Head Screw (6-32 x 1/2")
302C12-3	Flat Head Screw (8-32 x 3/8") (5)
584C2-3	Bell Crank w/Pin & Bearing Only
584C3-16	Bell Crank, Complete w/Lever
602C1-7	Slow Speed Driver Assembly
602C1-9	Driver Pulley w/Driver
627C1-10	Idler Gear & Bushing
716C1-12	Driver Shaft w/Gear
727C1-6	Oil Pad & Holder
1C13-12	15/16" Spacer Length, 1-1/8-1-1/4" Stroke
1C13-13	1-1/4" Spacer Length, 1-1/2-1-3/4" Stroke
73C7-55	3-7/8" Spacer Length, 1-1/8-1-1/4" Stroke
73C7-56	4-1/4" Spacer Length, 1-1/2-1-3/4" Stroke
73C7-57	2-7/8" Spacer Length, 1-1/8-1-1/4" Stroke
73C7-58	3-1/4" Spacer Length, 1-1/2-1-3/4" Stroke
73C7-59	1-7/8" Spacer Length, 1-1/8-1-1/4" Stroke
73C7-60	2-1/4" Spacer Length, 1-1/2-1-3/4" Stroke

Note: Number in parenthesis indicate quantity of a part required.

R.H. SQUARE SHAFTS
 11C12-585"-8" Knife
 11C12-599"-10" Knife
 11C12-8111-1/2" Knife
 11C12-8513" Knife

TUBES FOR SQUARE SHAFTS
 73C7-465"-8" Knife
 73C7-479"-10" Knife
 73C7-8611-1/2" Knife
 73C7-8813" Knife

TUBES FOR SCREW SHAFTS
 73C7-485"-8" Knife
 73C7-499"-10" Knife
 73C7-8511-1/2" Knife
 73C7-8713" Knife

L.H. SQUARE SHAFTS
 11C12-565"-8" Knife
 11C12-579"-10" Knife
 11C12-8011-1/2" Knife
 11C12-8413" Knife

Other parts labeled: 4C2-86, 4C2-85, 62C16-151, 191C1-21, 71C1-10, 53C11-60, 4C2-2, 300C7-1, 300C7-2, 11C12-64, 627C1-10, 87C3-53, 584C3-16, 584C2-3, 85C3-6, 55C4-41, 90C6-24, 90C6-24, 18C6-26, 602C1-7, 602C1-9, 17C15-82, 34C10-89, 90C4-33, 87C3-44, 12C15-30, 90C4-33, 87C3-44, 12C15-30, 65C6-75, 17C15-103, 90C4-58, 79C12-163, 302C12-3, 727C1-6, 300C10-1, 142C1-7, 12C11-74, 90C4-48, 12C15-29, 87C3-8, 12C15-29, 90C4-42, 90C4-29, 716C1-12, 17C15-78, 90C4-34, 18C6-81, 17C15-113, 302C10-6.

SPACER GAUGE CHART
(For Automatic Sharpeners)

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 others are right-hand.

584C3-16 Bell Crank Complete
 584C2-3 Bell Crank with Pin & Brg. Only
 85C3-6 Bell Crank Only

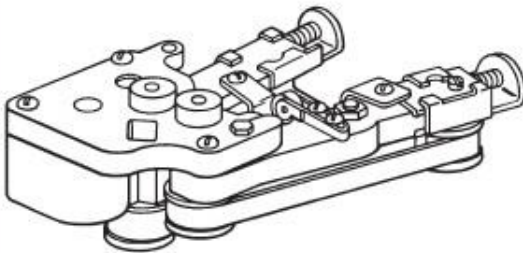
NOTE: For special shoes, if the machine is not an 1800 RPM or a dual-speed unit, it must be equipped with a #584C3-14 slow-speed driver, including the following parts:

Parts Number	Description
87C3-42	Gear Shaft
602C1-7	Slow-Speed Driver Assembly
584C2-1	Bell Crank
90C6-24	Ball Bearings
4C1-143	Retainer
55C4-41	Spacer For Ball Bearings

LOWER GEAR BRACKET ASSEMBLY

Complete Sharpener Assembly Numbers: 637C10-*

		Machine Stroke			
		1-1/8"	1-1/4"	1-1/2"	1-3/4"
Height of Machine	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"	-	-45	-46	-47
	13"	-48	-49	-50	-51

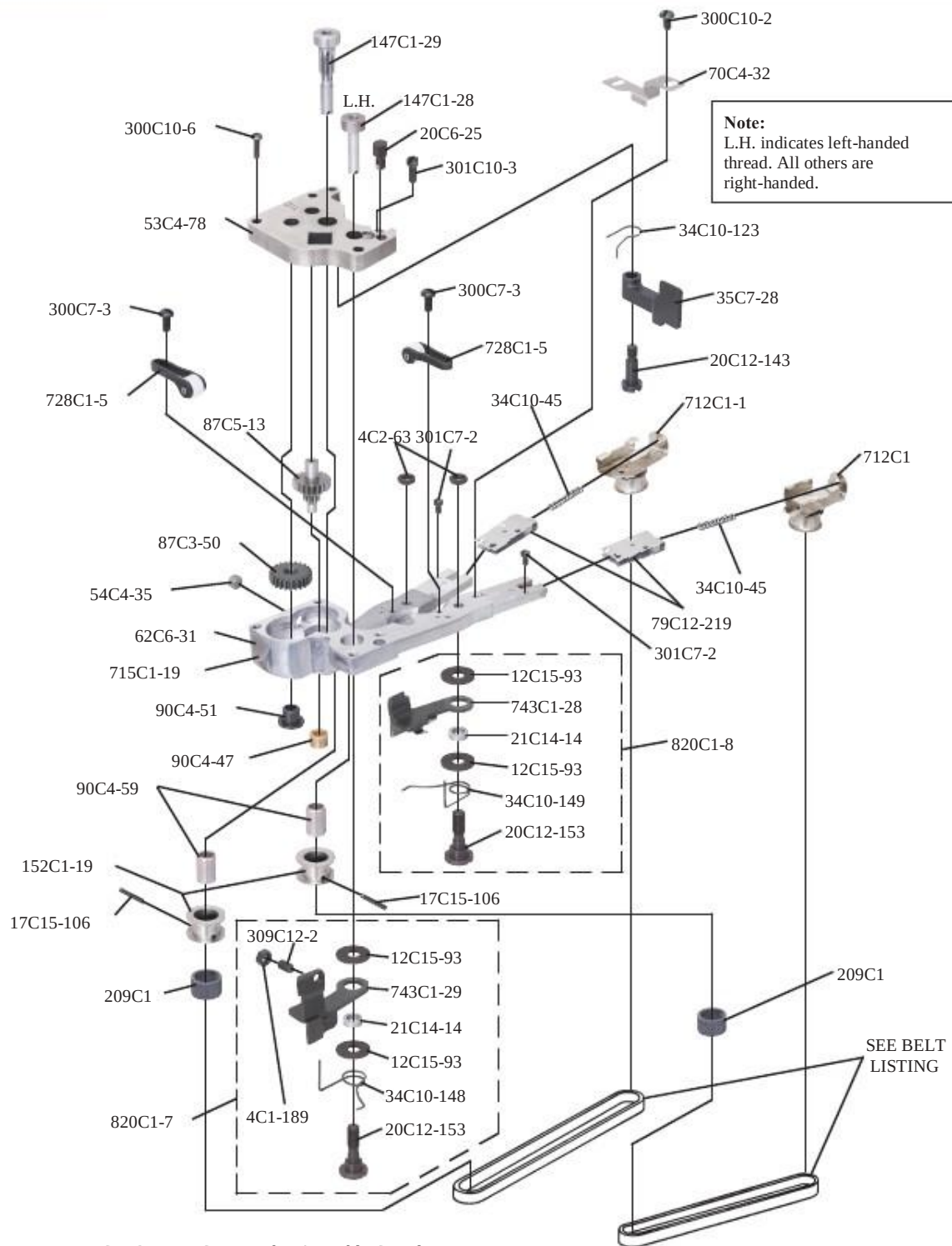


Parts Number

Description

4C1-189	Jam Nut (8-32)
4C2-63	Nut For Sharpener Shoe Screw (2)
12C15-93	Washer, Shoe (4)
17C15-106	Roll Pin (For Pulley #152C1-19) (2)
20C6-25	Adjusting Screw
20C12-57	Screw For Sharpener Shoe (Wave Knife Only) (2)
20C12-143	Screw For Clamping Arm
20C12-153	Screw For Sharpener Shoe (2)
21C14-14	Bushing For Sharpener Shoe (2)
34C10-45	Spring For Pulley Slide (2)
34C10-47	Spring For LH Shoe (Wave Knife Only)
34C10-57	Spring For RH Shoe (Wave Knife Only)
34C10-123	Spring For Arm
34C10-148	Spring For LH Sharpener Shoe
34C10-149	Spring For RH Sharpener Shoe
35C7-28	Clamping Arm For Shoe
53C4-78	Gear Cover
54C4-35	Oil Hole Plug
62C6-31	Bracket, Lower Gear
70C4-32	Guide Back Of Standard
79C12-219	Wear Plate (2)
87C3-50	Gear On Screw Shaft
87C5-13	Intermediate Gear
90C4-47	Bearing For Intermediate Gear
90C4-51	Bearing For Screw Shaft
90C4-59	Bearing For Shaft Extension (2)
147C1-28	RH Shaft Extension
147C1-29	LH Shaft Extension
152C1-19	Front Pulley For Belt (2)
209C1	Neoprene Band For Pulley (2)
300C7-3	Round Head Screw (4-36 x 1/4") (4)
300C10-2	Round Head Screw (6-32 x 1/4") (2)
300C10-6	Round Head Screw (6-32 x 1/2") (3)
301C7-2	Fillister Head Screw (4-36 x 3/16") (2)
301C10-3	Fillister Head Screw (6-32 x 3/8")
309C12-2	Stop Screw For LH Shoe
712C1	RH Slide w/Pulley
712C1-1	LH Slide w/Pulley
715C1-19	Lower Gear Bracket w/Cover, Bearings, Screws & Wear Plate (5"—13" Knives)
	Lower Gear Bracket, Complete
	Stabilizer Assembly (2)
	RH Shoe (Wave Knife Only)
	LH Shoe (Wave Knife Only)
715C1-23	RH Pre-Set Sharpener Shoe Only
728C1-5	LH Pre-Set Sharpener Shoe Only
743C1-26	LH Complete Shoe Assembly
743C1-27	RH Complete Shoe Assembly
743C1-28	
743C1-29	
820C1-7	
820C1-8	

Note: Number in parenthesis indicate quantity of a part required.



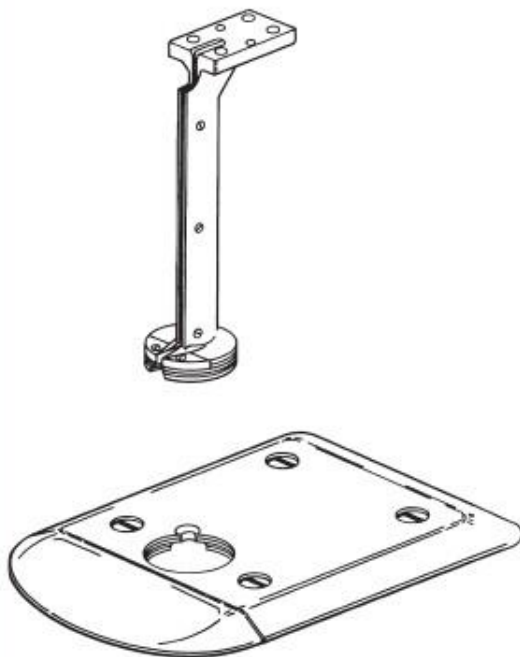
Wave knives require special shoes & related parts listed below.

Parts Number	Description	Parts Number	Description
743C1-27	L.H. Shoe	743C1-26	R.H. Shoe
34C10-47	L.H. Spring	34C10-57	R.H. Spring
20C12-143	Screw For Shoe	20C12-57	Screw For Shoe

When using these Special Shoes the following parts must be removed from the Lower Gear Bracket.

Parts Number	Description
35C7-28	Clamping Arm
34C10-123	Spring
20C12-143	Screw

STANDARD & BASE PLATE ASSEMBLY



Parts Number	Description
12C1-35	Lock Washer (4)
12C15-77	Washer
17C1-4	Taper Pin (#0 x 3/4") (2)
17C6-9	Hinge Pin (2)
20C5-12	Clamp Screw For Rollers (8)
20C12-19	Knife Slide Screw
20C13-51	Hinge Pin Clamp Screw (4)
34C1-57	Plate Wing Tension Spring (2)
60C1-55	Plate Wing (For Small Plates)
60C1-56	Plate Wing (For Large Plates)
79C4-12	Throat Plates w/Screws & Pins
79C4-24	Tapered & Relieved Throat Plates Assembly
213C1-1	Fibre Shim (6)
302C12-3	Flat Head Screw (8-32 x 3/8") (3)
505C3-223	Small Plate Base, Complete (5"—8" Knives)
505C3-224	Large Plate Base, Complete (9"—13" Knives)
505C3-226	Small Plate Base, Complete (5"—8" Knives) For 50 Cycle 1500 RPM & Dual-Speed Only Large Plate Base, Complete (9"—13" Knives) For 50 Cycle 1500 RPM & Dual-Speed Only Small Plate Base, Complete (5"—8" Knives) Used with Swivel Roller Assembly Only
505C3-227	Large Plate Base, Complete (9"—13" Knives) Used with Swivel Roller Assembly Only
505C3-243	Micro Fog Standard (Complete w/Slides & Throat Plates) (6" Knife)
505C3-244	Standard (Complete w/Slides & Throat Plates) (5" Knife) Standard (Complete w/Slides & Throat Plates) (6" Knife)
528C1-112	Standard (Complete w/Slides & Throat Plates) (7" Knife)
528C1-123	Standard (Complete w/Slides & Throat Plates) (8" Knife)
528C1-120	Standard (Complete w/Slides & Throat Plates) (9" Knife)
528C1-122	Standard (Complete w/Slides & Throat Plates) (10" Knife)
528C1-121	Standard (Complete w/Slides & Throat Plates) (11-1/2" Knife)
528C1-115	Standard (Complete w/Slides & Throat Plates) (13" Knife)
528C1-116	Rubber Mounted Roller, Complete (4) Rubber Mounted Roller, Complete (4) Roller Shell, Complete (4)
528C1-124	Knife Slides, Complete w/Screws (5" Knife) Knife Slides, Complete w/Screws (6" Knife)
528C1-125	Knife Slides, Complete w/Screws (7" Knife) Knife Slides, Complete w/Screws (8" Knife) Knife Slides, Complete w/Screws (9" Knife) Knife Slides, Complete w/Screws (10" Knife)
532C2-3	Knife Slides, Complete w/Screws (11-1/2" Knife)
532C2-5	Knife Slides, Complete w/Screws (13" Knife)
532C2-7	Knife Slides, Complete w/Screws (6" Micro Fog)
619C1-31	Swivel Roller Assembly
643C1-44	
643C1-41	
643C1-42	
643C1-43	
643C1-46	
643C1-47	
643C1-53	
643C1-45	
643C1-51	
619C1-32	

Note: Number in parenthesis indicate quantity of a part required.

STANDARDS COMPLETE W/SLIDES

528C1-1235" Standard
528C1-1206" Standard
528C1-1227" Standard
528C1-1218" Standard
528C1-1159" Standard
528C1-11610" Standard
528C1-12411-1/2" Standard
528C1-12513" Standard

KNIFE SLIDES

643C1-445" Knife
643C1-416" Knife
643C1-427" Knife
643C1-438" Knife
643C1-469" Knife
643C1-4710" Knife
643C1-5311-1/2" Knife
643C1-4513" Knife
643C1-516" Micro Fog

528C1-112
Micro Fog
6" Standard

12C15-77

CAUTION

Do not oil the plate roller shells or you may damage them.

Place the plate on blocks and press out the roller shell from the ring assembly.

NOTE: A roller shell (complete with shaft and bearings) may be ordered as required. Specify part number 619C1-30.

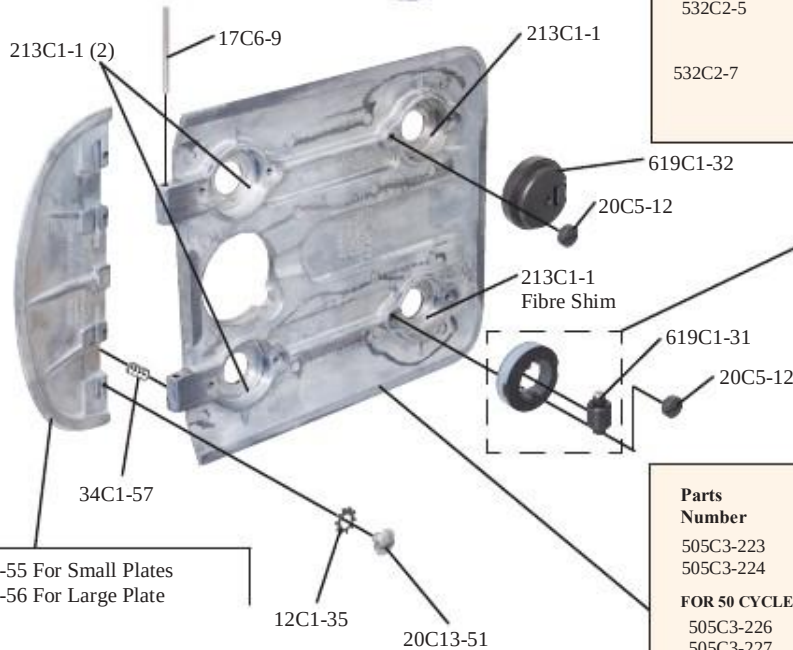
To install a new roller shell, invert the baseplate and press the roller shell into the ring assembly.

OPTIONAL

Parts Number

Description

619C1-32	Swivel Roller Assembly
532C2-3	Rubber Mounted Wide Roller
532C2-5	Rubber Mounted Roller (For all machines except noted below)
532C2-7	Rubber Mounted Roller (For 50 cycle 1500 RPM & dual-speed machines only)



60C1-55 For Small Plates
60C1-56 For Large Plate

Parts Number

Description

505C3-223	Small Plate For 5"-8" Knives
505C3-224	Large Plate For 9"-13" Knives

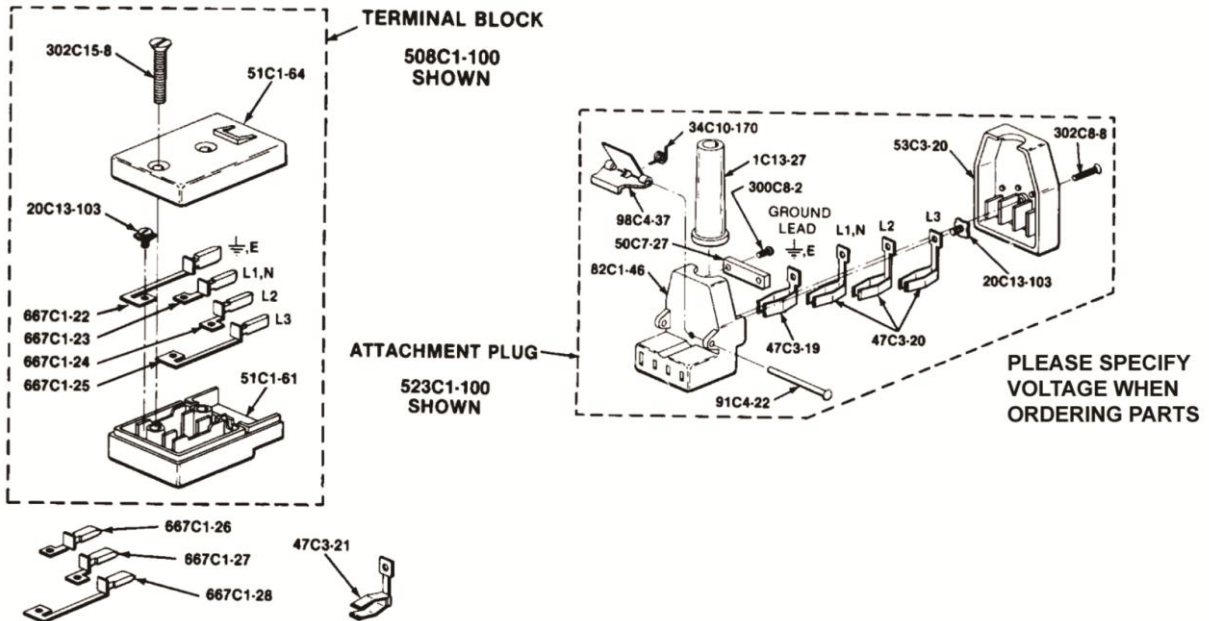
FOR 50 CYCLE 1500 RPM & DUAL-SPEED MACHINES ONLY

505C3-226	Small Plate For 5"-8" Knives
505C3-227	Large Plate For 9"-13" Knives

FOR PLATES WITH SWIVEL ROLLERS

505C3-223	Small Plate For 5"-8" Knives
505C3-224	Large Plate For 9"-13" Knives

Electrical Connections



Sonal Machine Tools

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