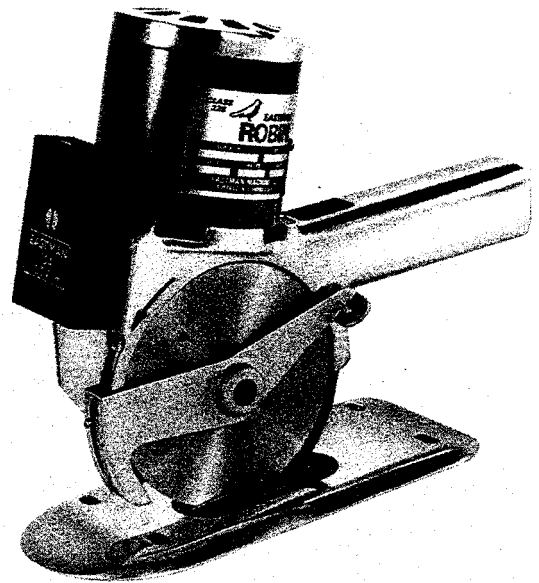




**EASTMAN  
ROBIN**

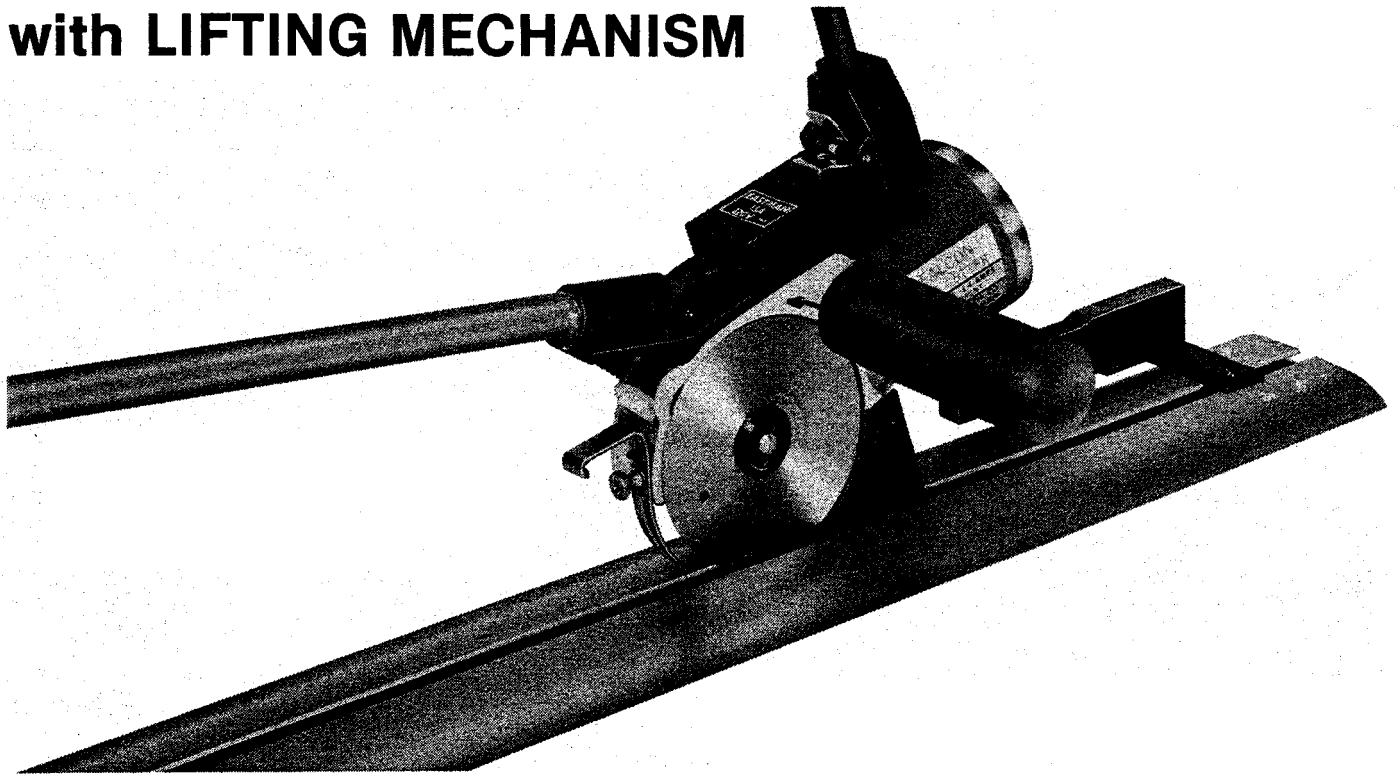
**CAUTION**

**MACHINE EQUIPPED  
WITH  
SHARP BLADE**



**EASTMAN**

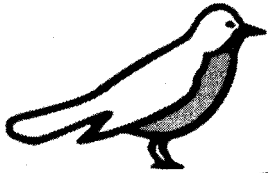
***Falcon IV End Cutter***  
**with LIFTING MECHANISM**



**INSTRUCTION BOOK AND PARTS LIST**

**Eastmanmachine  
COMPANY**

779 Washington St., Buffalo, N.Y. 14203-1396 U.S.A. • (716)856-2200 • Fax (716)856-1140 or (716)856-2068  
Manufacturers of Eastman Cloth Cutting and Cloth Spreading Machines  
Website: [www.EastmanCuts.com](http://www.EastmanCuts.com)

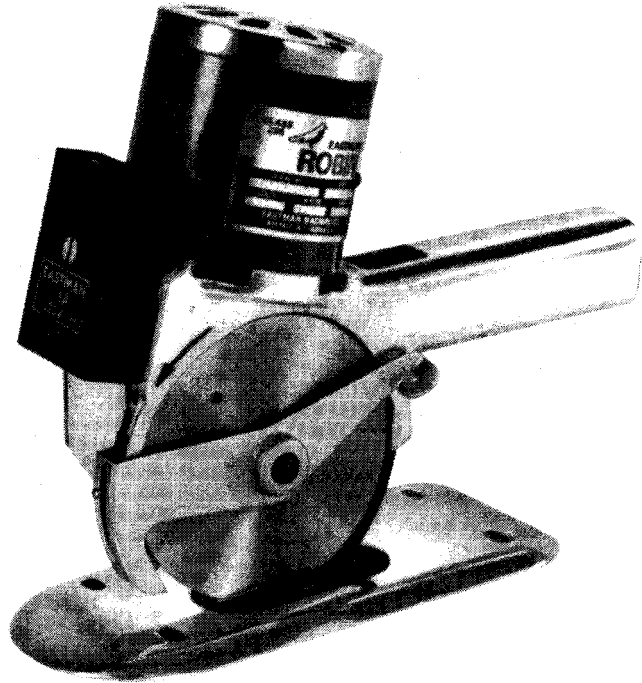


# EASTMAN ROBIN

## Operating Instructions

### DESCRIPTION

The Robin is a light weight, 4 inch round knife machine with the power to cut heavy cloth and the maneuverability to cut intricate patterns. It is available with a cool running Perma-Field® motor in either 110 or 220 volts. The Robin's compact standard and thin base plate combine to reduce friction, letting it cut with ease through the heaviest of lays.



### WARNING:

This machine is equipped with a sharp knife. Keep hands away from the knife area at all times. Use handle and control lever when operating or handling the machine. Knife guard should be raised only enough to clear the material being cut. When not in use, knife guard should be set at the lowest position. **DO NOT OPERATE THIS MACHINE WITH THE GUARD REMOVED.**

### WARNING:

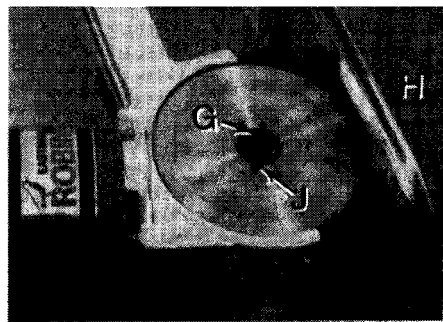
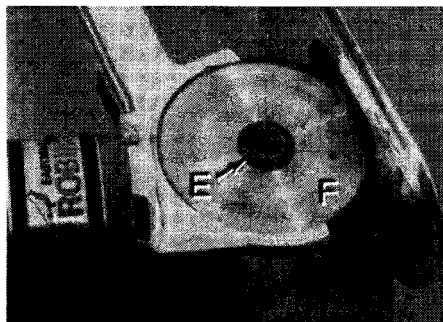
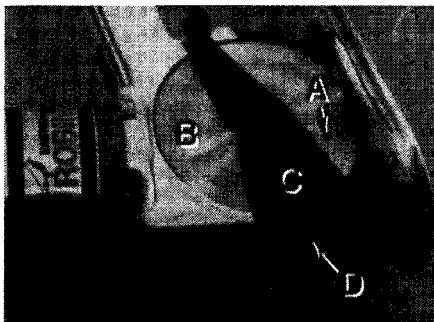
Before performing any of the following procedures, make sure that the attachment plug has been disconnected from the power source.

### CAUTION:

Read instructions carefully before starting motor. Be sure that voltage is the same as stamped on nameplate.

### MAINTENANCE

The Robin is designed to require only minimal maintenance for many years of trouble free service. The following information will aid in keeping your equipment running at its top efficiency.



### KNIFE REPLACEMENT

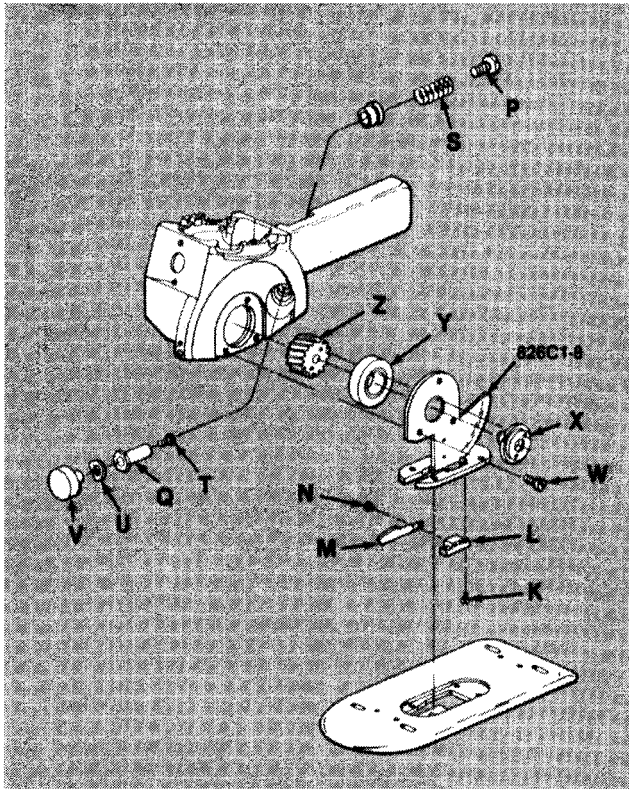
Lay the machine on its side, knife side up. Place a small drift or screw driver through the hole in the knife at about the position shown "A" to stop the knife from rotating, while removing the knife bolt "B". Lift the knife guard "C" up slightly and at the same time sliding forward disengaging the pin "D" from front slot of knife guard. Remove flange cover "E".

Grasp knife "F" at open area and lift over knife flange "G", at the same time sliding knife up from under shear plate "H".

### CAUTION:

This knife is sharp. Use proper precautions against cutting hands while handling.

Replace with a new knife, beveled side down, carefully sliding under shear plate "H" and over knife flange "G". Be sure to align slots "J" in knife with the flanges "K" on knife hub, making sure knife is properly seated flush with the knife hub. Replace remaining parts in reverse order as they were removed. Double check all screws to be sure all parts are tightly secured.



## SHEAR PLATE REPLACEMENT

Remove knife blade (see knife replacement). From underside of base plate assembly, remove (2) two screws "K" holding in spring block "L". Lift out spring block and shear plate assembly. Separate shear plate "M" from spring block by removing (2) two screws "N". Replace with new shear plate and reassemble in reverse order.

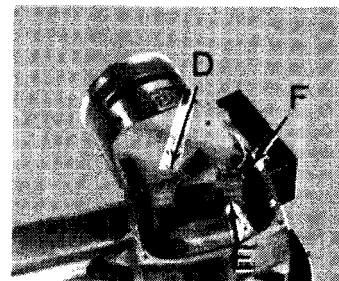
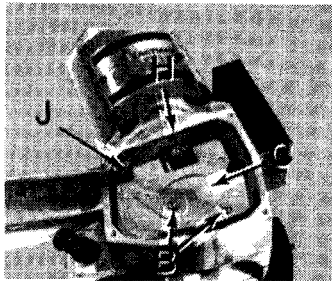
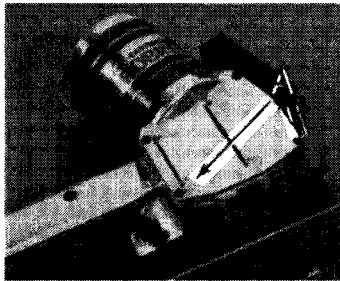
## KNIFE SHARPENING AND SHARPENER REPLACEMENT

To obtain a fine, keen edge on the blade, press lightly against the sharpener button "P" with a constant pressure while machine is running.

To replace sharpener stone, first remove knife blade (see knife replacement). Insert screwdriver into slotted head of sharpener button and hold hex bushing "Q" in place. Turn counterclockwise and remove sharpener button and spring "S". Set these parts aside for later reassembly. Remove screw "T" to separate hex bushing, spring washer "U" and emery wheel "V". Replace emery wheel and reassemble in reverse order.

## LUBRICATION

Knife gear "Z" should be removed and packed with special Eastman Lubriplate grease every three months. First remove knife blade (see knife replacement) to expose support plate assembly 826C1-8. Remove (3) three screws "W". Next, turn a 10-32 x 1 1/2" long screw into the center of the knife flange "X". This screw will act as an extractor so that the gear, bearing, knife flange, and base plate assembly can be removed as a unit. Continue turning screw until approximately 1/8" of thread is left exposed and lift out the assembly. Repack gear teeth only with grease. Remove extractor screw and reassemble in reverse order. Be careful to start and seat bearing "Y" squarely during reassembly.



## MOTOR BRUSH REPLACEMENT

Remove (4) four screws "A" from cover plate. Lift off cover plate and cover insulation. Remove (2) screws "B"

### CAUTION:

**When servicing machine, use caution not to damage electrical insulation material.**

and carefully remove circuit board assembly "C". Using care not to pull wires out, turn board over and loosen two screws "D" to remove motor brushes & pigtails.

Replace with new motor brushes, bevel corner at wire pigtail slides into brush holder "E" facing down, with wire coming out of slot "F" to fastener "D". Wrap pigtails around screw fasteners and tighten "D". Turn assembly over and, with your fingers, separate the

brushes enough to fit over commutator bars "H" and at the same time working circuit board inside cavity insulation "J". Continue working assembly down until brushes snap into position and flat to inside of standard. Replace two screws "B" holding circuit board in position. Replace cover and cover insulation securing with four screws "A".

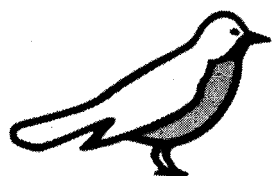
## SWITCH REPLACEMENT

Remove (2) two screws 301C12-5 from right side handle 22C2-3 and separate right side handle from standard. Remove switch 580C1-109 and switch insulation 8C4-81. Replace with new switch and reassemble in reverse order. Make sure insulation is in place and undamaged before reassembling handle.

### CAUTION:

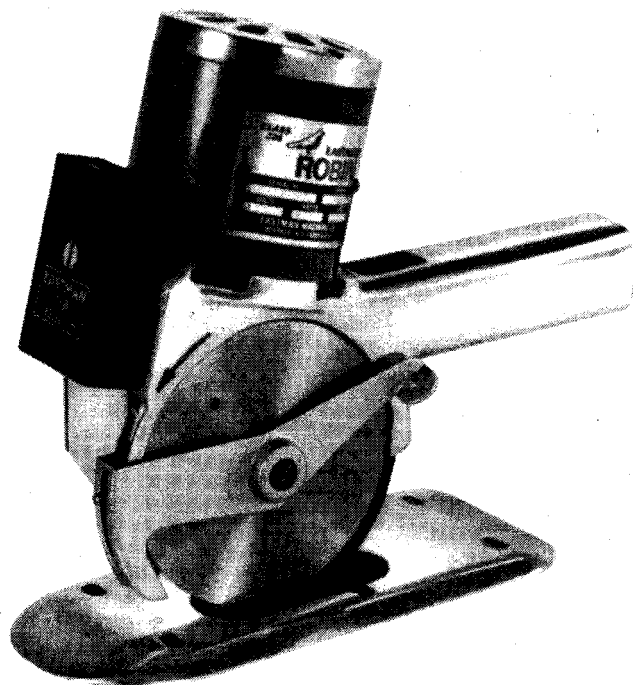
**Replace only with identically rated fuse. Use of different fuse may cause electrical hazard or damage electronic parts.**

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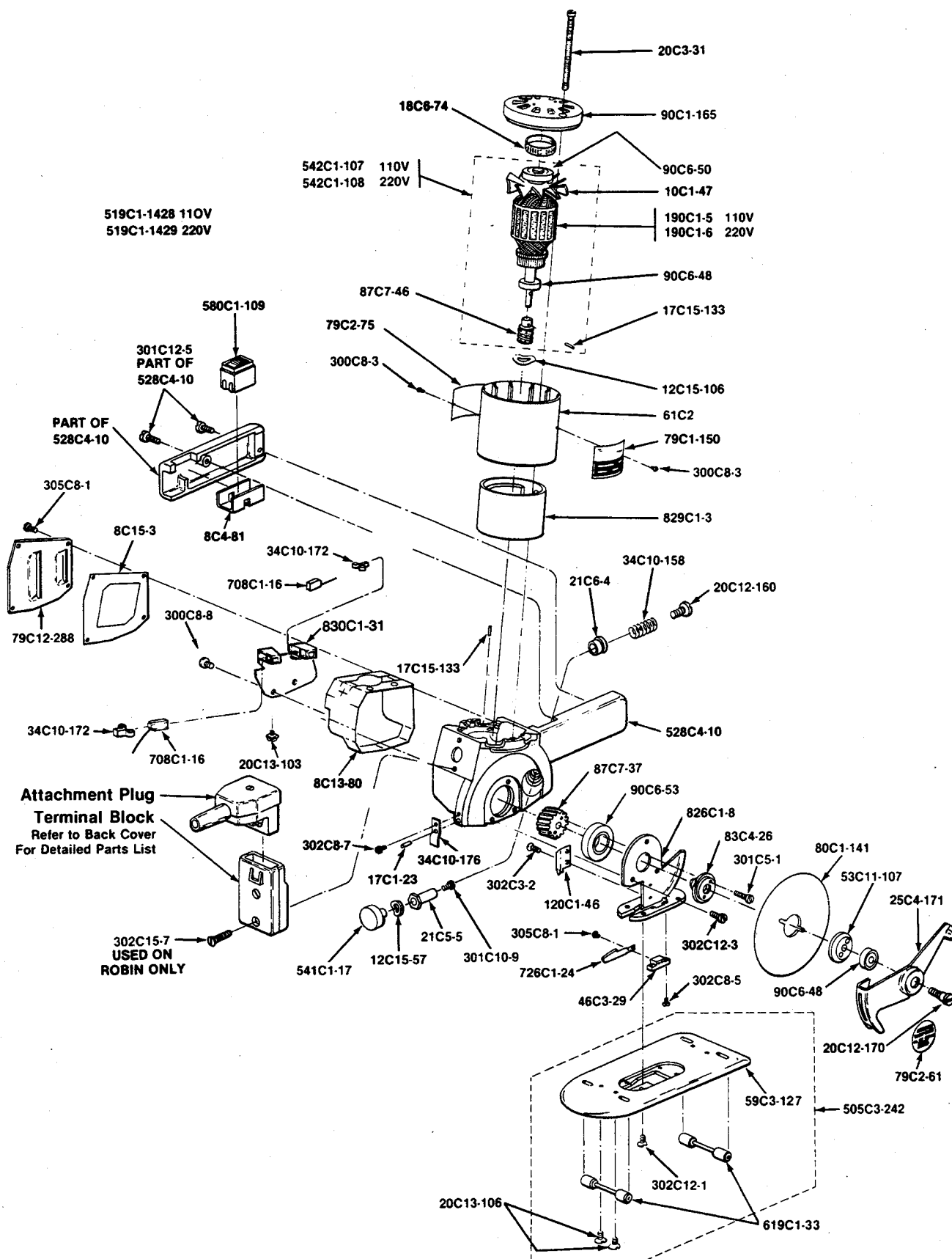
# EASTMAN ROBIN

## Illustrated Parts List



Part Number	No. Req'd.	Description
8C4-81	1	Switch Insulation
8C15-3	1	Cover Insulation
8C13-80	1	Cavity Insulation
10C1-47	1	Motor Fan
12C15-57	1	Spring Washer
12C15-106	1	Spring Washer
17C1-23	1	Dowel Pin
17C15-133	2	Roll Pin
18C6-74	1	Tolerance Ring
20C3-31	2	Tie Rod Screw
20C13-103	2	U-Lock Screw
20C12-160	1	Sharpener Screw
20C12-170	1	Knife Bolt
20C13-106	4	Alum 8-32 x 1/4 Flt. Hd.
21C5-5	1	Sharpener Bushing
21C6-4	1	Sharpener Bushing
25C4-171	1	Knife Guard
34C10-158	1	Sharpener Spring
34C10-172	2	Brush Spring
34C10-176	1	Spring For Guard
46C3-29	1	Spring Block
53C11-107	1	Knife Flange Cover
59C3-127	1	Base Plate
61C2	1	Motor Shell
79C1-150	1	Number Plate
79C2-61	1	Caution Label
79C2-75	1	Name Plate
79C12-288	1	Cover Plate
88C1-141	1	4 Inch Knife
83C4-26	1	Knife Flange
87C7-37	1	Knife Gear, 16 Tooth
87C7-46	1	Worm, 2 Lead
90C1-165	1	Rear Bearing Housing
90C6-48	2	Ball Bearing
90C6-50	1	Ball Bearing
90C6-53	1	Ball Bearing
120C1-46	1	Plow
190C1-5	1	Armature 110V
190C1-6	1	Armature 220V
300C8-3	4	Screw 4-40 x 1/8 Round Head
300C8-8	2	Screw 4-40 x 5/16 Round Head
301C5-1	2	Screw 3-48 x 3/4 Fillister Head
301C10-9	1	Screw 6-32 x 3/16 Fillister Head
301C12-5	2	Screw 8-32 x 5/8 Fillister Head
302C3-2	2	Screw 2-56 x 1/8 Flat Head
302C8-5	2	Screw 4-40 x 1/4 Flat Head
302C8-7	1	Screw 4-40 x 3/16 Flat Head
302C12-1	4	Screw 8-32 x 1/4 Flat Head
300C12-2	1	Screw, 8-32 x 3/8 Round Head
302C12-3	3	Screw 8-32 x 3/8 Flat Head
302C15-7	2	Screw 10-32 x 1 Flat Head
305C8-1	6	Screw, 4-40 x 7/8 Binding Head
505C3-242	1	Base Plate Ass'y
528C4-10	1	Standard With Handle Assembly
541C1-17	1	Emery Wheel Ass'y
542C1-107	1	Armature Assembly 110V
542C1-108	1	Armature Assembly 220V
580C1-109	1	Switch
619C1-33	2	Roller Shaft & Rollers, Pin & Washers & Shaft
708C1-16	2	Motor Brush
726C1-24	1	Shear Plate Ass'y.
826C1-8	1	Support Plate Ass'y.
829C1-3	1	Magnetic Ring Ass'y.
830C1-3	1	Circuit Board Ass'y.
830C1-4	1	Brush Card
830C1-31	1	Circuit Board Assembly

**NOTE:** Please specify model and serial number of machine when ordering parts.



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# Falcon IV End Cutter

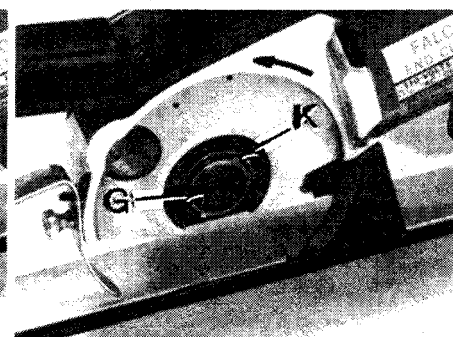
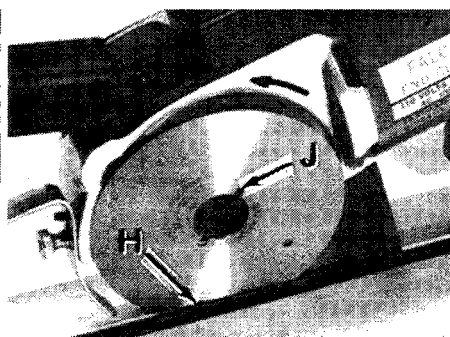
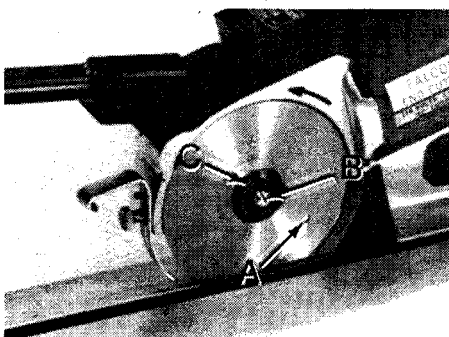
## Operating Instructions

### DESCRIPTION

The Falcon IV End Cutter Rotary Shear is designed for use with a lifting mechanism for cutting across a width of material while it compensates for the height of the lay. It cuts material squarely, accurately, quickly, and eliminates excessive waste throughout the height of the lay. The Rotary Shear Cutter is available with an electric motor in either 110 or 220 volts. The machine has a motor speed of 12,000 rpm. A flexible handle attached to the cutter provides for a simple and easy execution of the cutting operation. Additional length handles can be made available depending on the length of the track.

### MAINTENANCE

The Falcon IV End Cutter is designed to provide many years of trouble-free service. The following information will aid in keeping your equipment running at its top efficiency.



### KNIFE REPLACEMENT

Lay machine on its side, knife side up. Place a small drift or screwdriver through the hole in the knife at about the position shown "A" to keep the knife from rotating, and remove knife bolt "B". Remove knife flange cover "C" and lift out the knife.

### CAUTION:

**This knife is sharp. Use proper precautions against cutting hands while handling.**

Insert new knife beveled side down, carefully sliding it under shear plate "H" and over knife flange "G". Make sure slots "J" on knife are aligned with flanges "K" on knife hub and that knife is seated flush with hub. Replace remaining parts in reverse order. Double check all screws to be sure all parts are tightly secured.

### SHEAR PLATE REPLACEMENT

Remove knife blade (see knife replacement). Remove screws "M" and shear plate "N". Replace with new shear plate and reassemble in reverse order.

### KNIFE SHARPENING & SHARPENER REPLACEMENT

To obtain a fine, keen edge on the blade, press lightly against the sharpener button "P" with a constant pressure while machine is running.

To replace sharpener stone, first remove knife blade (see knife replacement). Insert screwdriver into slotted head of sharpener but-

### WARNING:

This machine is equipped with a sharp knife. Keep hands away from the knife area at all times. Use handle and control lever when operating or handling the machine. Knife guard should be raised only enough to clear the material being cut. When not in use, knife guard should be set at the lowest position. **DO NOT OPERATE THIS MACHINE WITH THE GUARD REMOVED.**

### CAUTION:

Read instructions carefully before starting motor. Be sure that voltage is the same as stamped on nameplate.

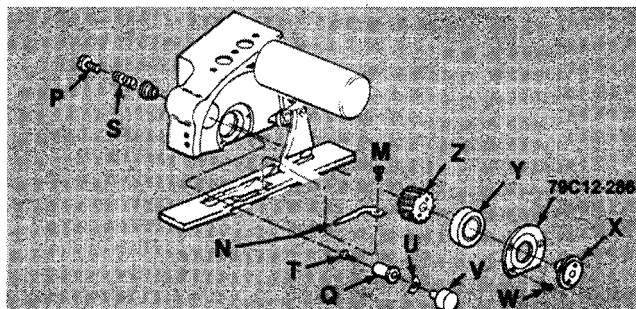
### WARNING:

Before performing any of the following procedures, make sure that the attachment plug has been disconnected from the power source.

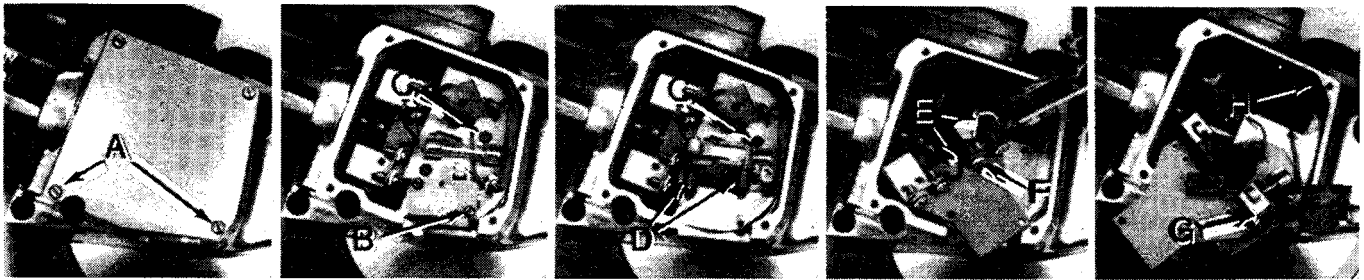
ton and hold hex bushing "Q" in place. Turn counterclockwise and remove sharpener button and spring "S". Set these parts aside for later reassembly. Remove screw "T" to separate hex bushing, spring washer "U" and emery wheel "V". Replace emery wheel and reassemble in reverse order.

### LUBRICATION

Knife gear "Z" should be removed and packed with special Eastman Lubriplate grease every three months. First remove knife blade (see knife replacement) to expose bearing retainer 79C12-286. Remove (3) screws "W". Next, turn a 10-32 x 1½" long screw into the center of knife flange "X". This screw will act as tool so that the gear, bearing and knife flange can be removed as a unit. Continue turning the screw until approximately 1/8" of thread is left exposed and lift out the assembly. Repack gear teeth only with grease. Remove the 10-32 x 1½" screw and reassemble in reverse order. Be careful to start and seat bearing "Y" squarely during assembly.







### MOTOR BRUSH REPLACEMENT

Remove (4) four screws "A" from cover plate. Remove cover plate and cover insulation, being careful not to damage insulation material. Loosen and disengage (2) two screws "B" holding down switch 580C1-107 and lift out switch being careful to retain the two switch spacers "D". Remove (2) two screws "C" and carefully lift out the combined assembly of the motor brush card and circuit board. Movement of the parts will be restricted by wires "E" but have adequate length to work without disconnecting. Loosen (2) two screws "F" and remove the motor brush pigtail from under the fasteners. Turn brush card over and slide brushes out of guides.

When inserting new brushes, bevel corner at wire pigtail must face slot "G" in brush holder. Pigtail runs through slot "G" to screw fastener "F". Wrap pigtail around screw fasteners and tighten. Turn assembly back to its original position. With your fingers, separate brushes enough to fit around commutator bars and begin working the assembly inside cavity insulation "H". Continue working assembly down until it is flat to inside of standard and brushes snap into position around commutator. Replace two screws "C" holding down circuit board and motor brush card. Replace switch spacers "D" and switch and secure with (2) two screws "B". Replace cover insulation and cover and fasten with (4) four screws "A".

### MICROSWITCH REPLACEMENT

Remove (2) two screws "B" and lift out microswitch 580C1-107, being careful not to lose switch spacers "D". Remove leads and resolder the leads of the new switch. Replace parts in reverse order.

#### CAUTION:

Excessive soldering heat will damage switch.

### FUSE REPLACEMENT

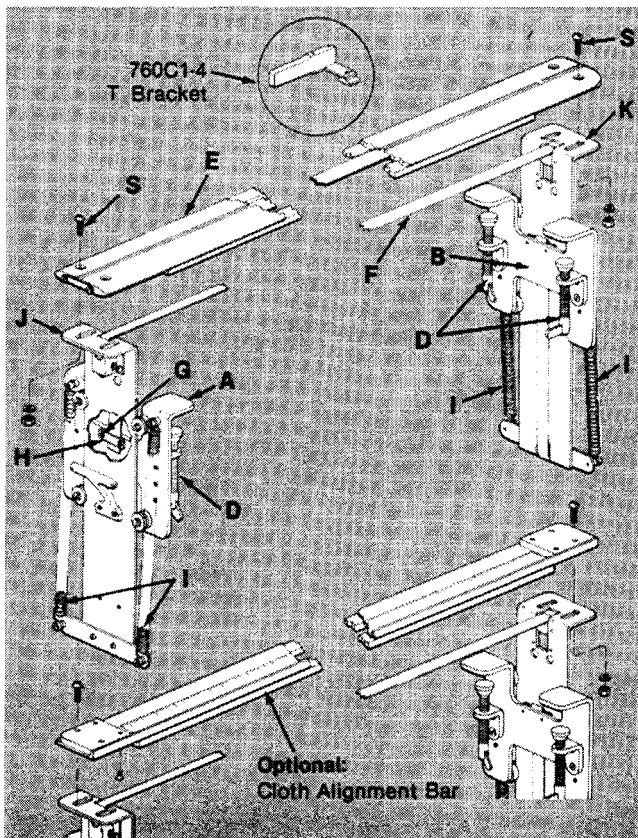
With cover plate and cover insulation removed, fuse is visible. Lift burned out fuse out of fuse holder and replace with identical fuse. Replace cover plate and insulation.

#### CAUTION:

Replace only with identically rated fuse. Use of different fuse may cause electrical hazard or damage electronic parts.

### OPERATING HANDLE SWITCH REPLACEMENT

Remove (2) two screws 300C7-2 securing the switch plate 52C5-176 to handle and remove the switch. Replace with new switch and reassemble in reverse order.



### LIFTING MECHANISM

Mounting brackets "A" and "B" should be secured to the table in the following manner:

Tape control "F" has been pre-fed through the lifting mechanism as shown. Loosen screws "G" on clamp bar "H". Pull tape out to approximate width of table and mount bracket "B" on far end of table. Secure bracket "A" to near side of table in the same manner pulling the tape over the top of the table. Measure off from the nearest section of tabling to an even length for both brackets "A" and "B". Pull tape "F" tight and secure clamp bar "H" with clamp bar screws "G". Secure track "E" to brackets "J" and "K" with mounting screws "S". Track should be mounted squarely to the section of table that was previously measured off. Install four lifting springs "I" and readjust tape "F" to insure that both lifting brackets "J" and "K" are synchronized and perform a smooth operation when cutting machine has been installed on the far end of the track.

Electric switch control CAM 760C1-4 is installed in the extruded portion of the track with the special T bracket. CAM is adjustable and will compensate for varied width fabrics. This will minimize the travel required for cutting across the prescribed width of material.

**Optional:** CAB (Cloth Alignment Bar) as shown below is mounted in the same manner as track but only requires two springs "I", one spring each end.

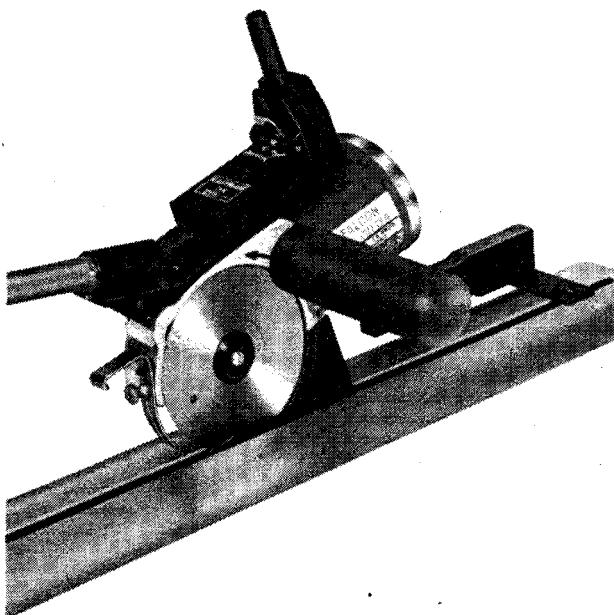
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**EASTMAN**

# Falcon IV

## End Cutter

### Illustrated Parts List

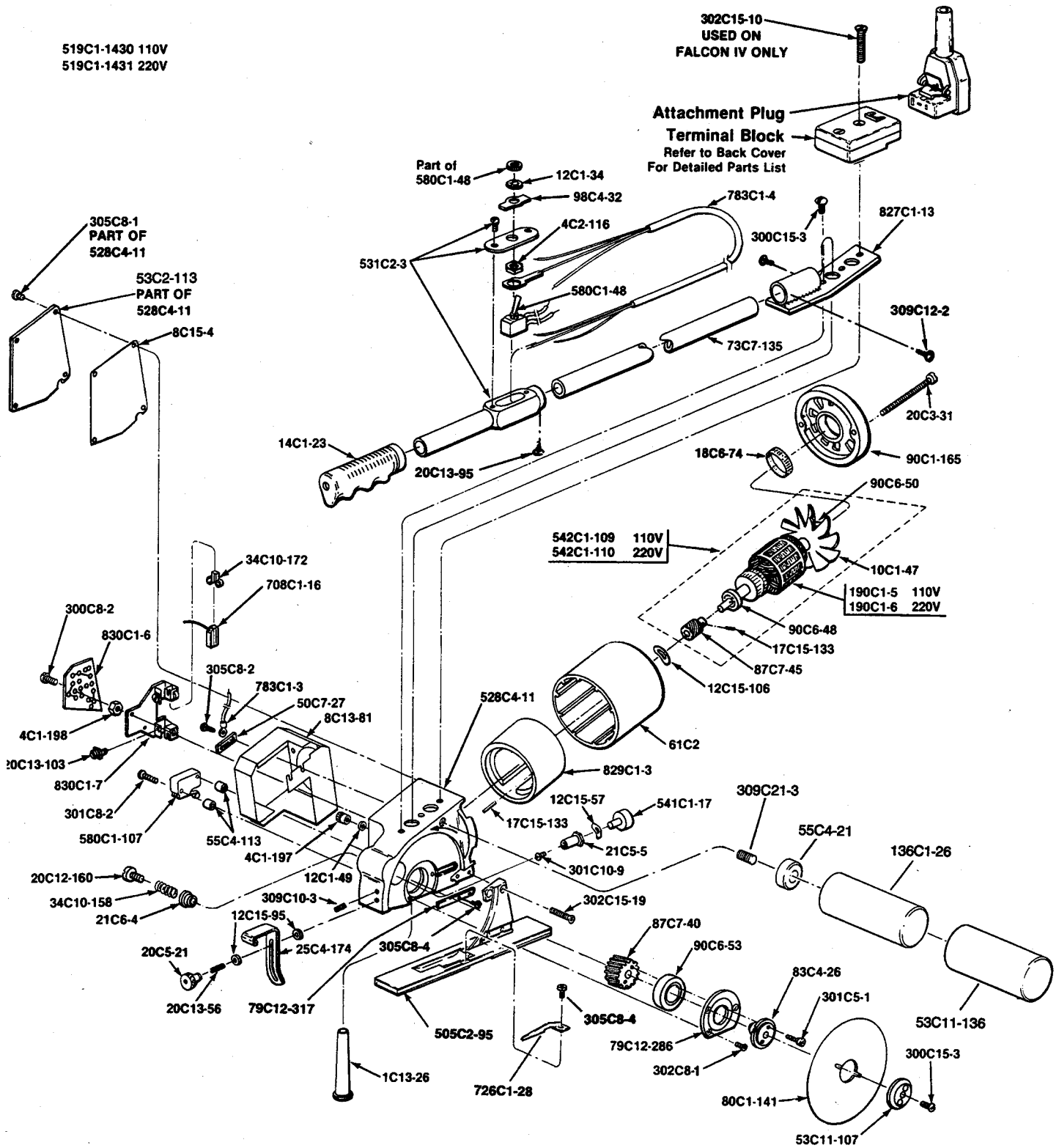
**NOTE:**

Please specify model and serial number of machine when ordering parts.

Part Number	No. Req'd.	Description
1C13-26	1	Cord Sleeve
4C1-198	2	Hex Nut #4-40
4C1-197	2	Allen Nut #10-32
4C2-116	1	Locking Nut
80C1-141	1	Knife 4" Round
8C13-81	1	Cavity Insulation
8C15-4	1	Cover Insulation
10C1-47	1	Motor Fan
12C1-34	1	Lock Washer
12C1-49	2	Lock Washer
12C15-57	1	Spring Washer
12C15-95	4	Flat Washer #6
12C15-106	1	Spring Washer
14C1-23	1	Handle Grip Plastic
17C15-133	2	Roll Pin
18C6-74	1	Tolerance Ring
20C3-31	2	Tie Rod Screw
20C5-21	1	Clamp Screw
20C13-95	1	Screw, 6-32 x .250 Type F Self Tap
20C13-103	2	U-Lock Screw
20C12-160	1	Sharpener Screw Button Hd.
20C13-56	1	Set Screw 6-32 x 6
21C5-5	1	Sharpener Bushing (Hex)
21C6-4	1	Sharpener Bushing
25C4-174	1	Knife Guard
34C10-158	1	Sharpener Spring
34C10-172	2	Brush Spring
50C7-27	1	Cord Clamp
53C2-113	1	Cover Plate
53C11-107	1	Knife Flange Cover
53C11-136	1	Cover, Counterweight
55C4-21	1	Spacer, Counterweight
55C4-113	2	Switch Spacer
61C2	1	Motor Shell
73C7-135	1	Tube Handle 36"
79C12-286	1	Bearing Retaining Plate
79C12-317	1	Lint Deflector
83C4-26	1	Knife Flange
87C7-40	1	Knife Gear
87C7-45	1	Worm - 4 Lead
90C1-165	1	Bearing Housing
90C6-48	1	Ball Bearing Front
90C6-50	1	Ball Bearing Rear
90C6-53	1	Ball Bearing Knife Flange
98C4-32	1	On-Off Switch Clip
136C1-26	1	Counterweight
300C8-2	2	Screw #4-40 x .500 Lg. Round Hd.
300C15-3	2	Screw #10-32 x .375 Lg Round Hd.
301C5-1	2	Screw # 3-48 x .750 Lg. Fillister Hd.
301C8-2	2	Screw #4-40 x .875 Fillister Hd.
301C10-9	1	Screw #6-32 x .188 Lg. Fillister Hd.
302C8-1	3	Screw #4-40 x .375 Lg Flat Hd.
302C15-10	2	Screw #10-32 x 1.375 Flat Hd.
302C15-19	2	Screw #10-32 x 1.000 Lg Soc Flat Hd.
305C8-1	8	Screw #4-40 x .250 Lg Binding Hd.
305C8-4	3	Screw #4.40 x .125 Lg Binding Head
309C10-3	1	Set Screw 6-32 x .500 Lg
309C12-2	2	Set Screw, 8-32 x .312 Lg.
309C21-3	1	Stud, Counterweight
505C2-95	1	Assembly Base Plate
526C4-11	1	Standard With Cover Assy.
531C2-3	1	Switch & Handle Adaptor
541C1-17	1	Emery Wheel
542C1-109	1	Armature Assy.
542C1-110	1	Armature Assy.
580C1-48	1	Tongue Switch
580C1-107	1	Track Switch
708C1-16	2	Motor Brush
726C1-28	1	Shear Plate Assy.
783C1-3	1	Ground Wire Assy.
783C1-4	1	Ground Wire Assy. - Handle Switch
827C1-13	1	Handle Bracket Assy.
829C1-3	1	Magnetic Ring Assembly
830C1-6	1	Circuit Board
830C1-7	1	Brush Card Assembly



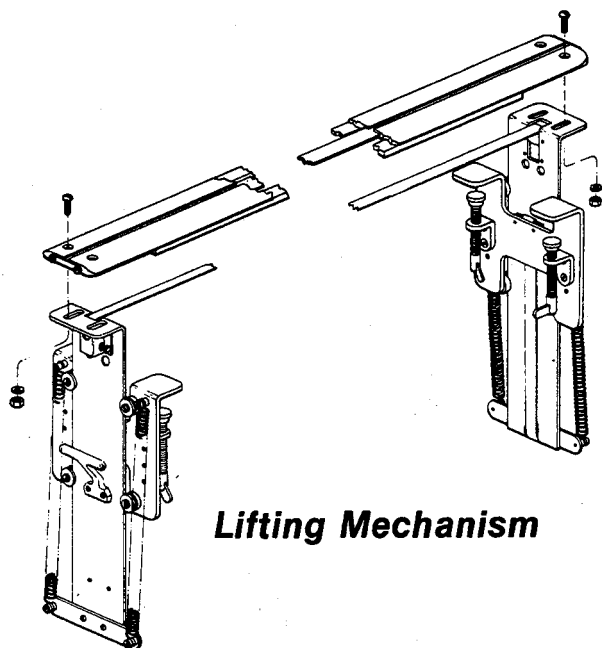
519C1-1430 110V  
519C1-1431 220V



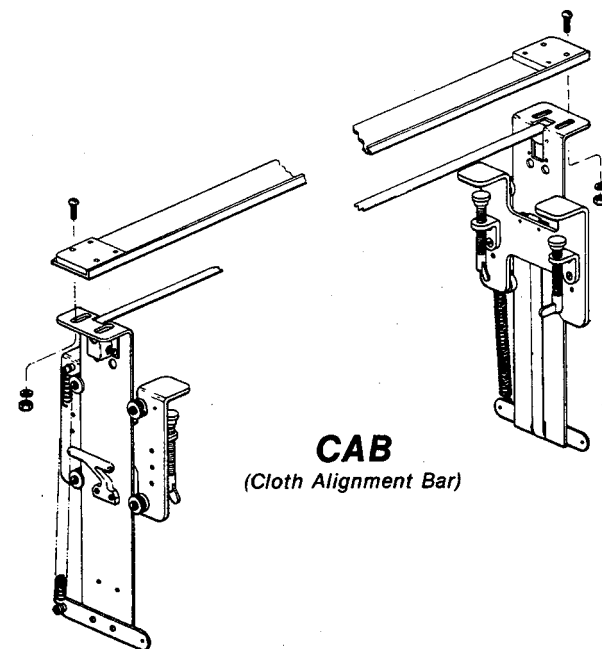
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# Lifting Mechanism

## Illustrated Parts List



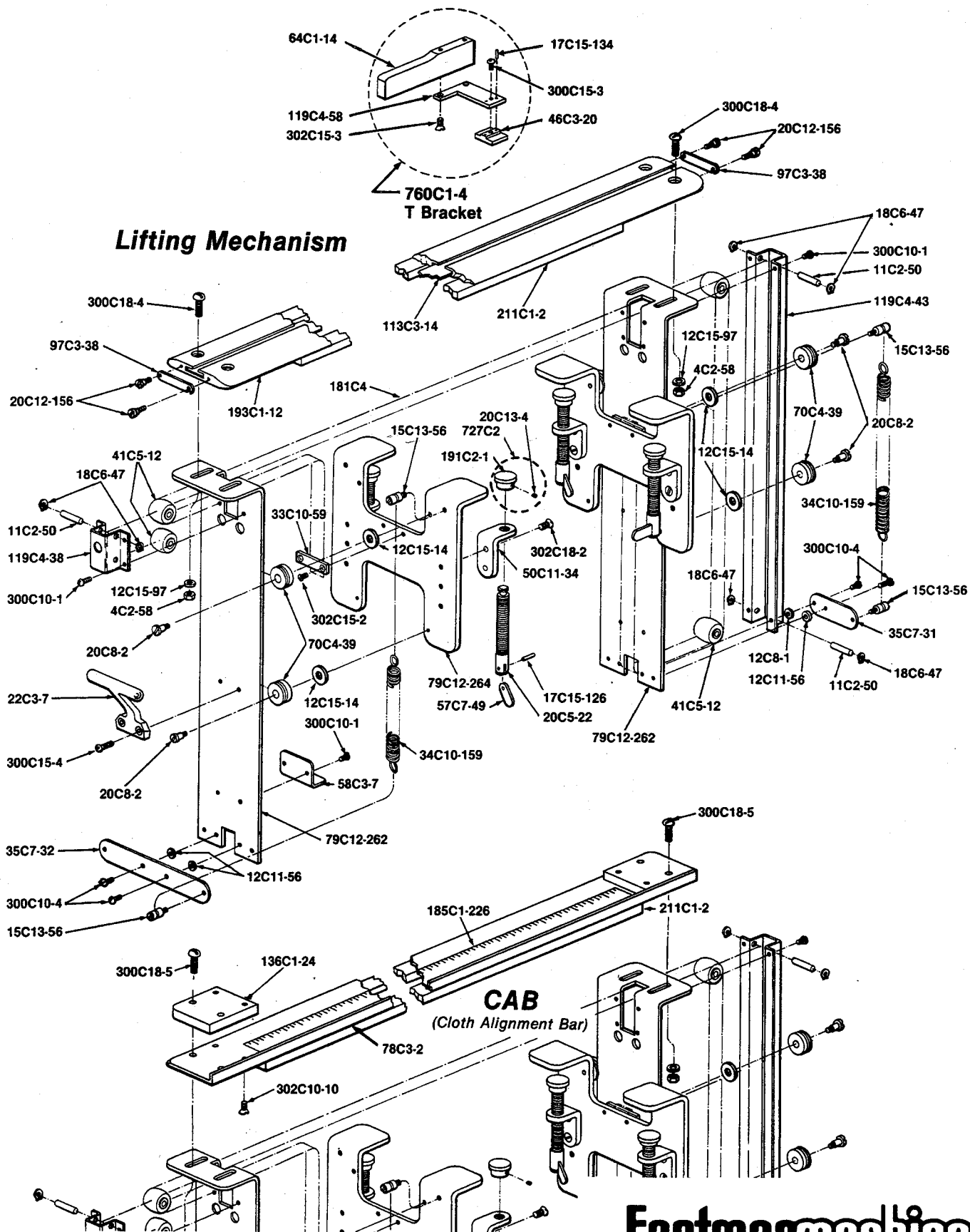
**Lifting Mechanism**



**CAB**  
(Cloth Alignment Bar)

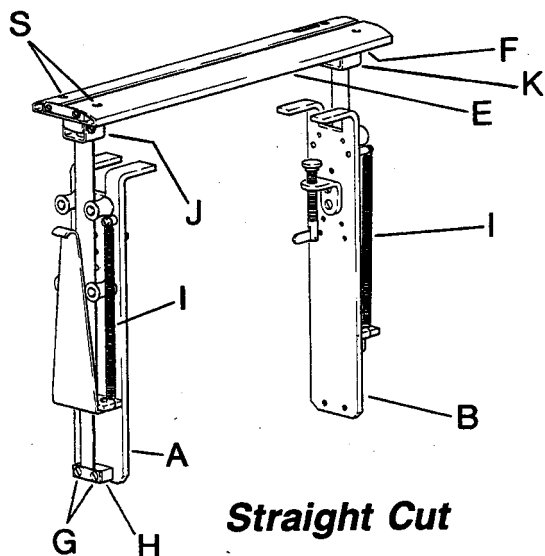
**NOTE:** Please specify model and serial number of machine when ordering parts.

Part Number	Cloth Alignment Bar Lifting Mechanism		Description
4C2-58	4	4	Nut, 1/4 x 20 Iron
11C2-50	4	4	Belt Roller Shaft
12C8-1	2	2	Spacing Washer
12C11-56	4	4	Spacing Washer
12C15-14	8	8	Flat Washer
12C15-97	4	4	1/16 I.D. Flat Washer
15C13-56	8	8	Stud
17C15-126	4	4	Roll Pin
17C15-134	0	4	Roll Pin
18C6-47	8	8	Grip Ring
20C5-22	4	4	Clamp Screw
20C8-2	8	8	Pivot Screw
20C12-156	0	4	Latch Screw
20C13-4	4	4	Set Screw
22C3-7	1	1	Lift Handle
33C10-59	1	1	Belt Holder
34C10-159	2	4	Extension Spring
35C7-31	2	2	Spring Arm
35C7-32	1	1	Spring Arm
41C5-12	4	4	Belt Roller
46C3-20	0	2	Clamp Block
50C11-34	4	4	Clamp Base
57C7-49	4	4	Clamp Screw Lever
58C3-7	1	1	Stop Plate
64C1-11	0	1	Cam for Air Valve
64C1-14	0	1	Cam for Switch
70C4-39	8	8	Plate Guide Roller
78C3-2	1	0	Variable Length Bar
79C12-262	2	2	Lift Plate
79C12-264	2	2	Lift Support Plate
97C3-38	0	2	Track Latch
113C3-14	0	1	Wear Strip
119C4-38	1	1	Belt Roller Support
119C4-58	0	1	Cam Support Block
119C4-43	1	1	Belt Roller Support
136C1-24	2	0	Bar Weight
181C4	1	1	Flat Belt
185C1-226	1	0	Scale
191C2-1	4	4	Swivel Pad
193C1-12	0	1	72" Track
211C1-2	2	2	Tape for Track
300C10-1	8	8	Screw, 6-32 x 1/8 Round Head
300C10-4	6	6	Screw, 6-32 x 1/8 Round Head
300C15-3	0	2	Screw, 10-32 x 1/8 Round Head
300C15-4	2	2	Screw, 10-32 x 1/2 Round Head
300C18-4	0	4	Screw, 1/4 - 20 x 1/8 Round Head
300C18-5	4	0	Screw 1/4 - 20 x 1 Round Hd
302C10-10	4	4	Screw, 6-32 x 1/16 Flat Head
302C15-2	4	4	Screw, 10-32 x 1/8 Flat Head
302C15-3	0	2	Screw, 10-32 x 1/2 Flat Head
302C18-2	8	8	Screw, 1/4 x 20 x 1/2 Flat Head
727C2	4	4	Swivel Pad with Set Screw
760C1-4	0	1	Cam Assembly

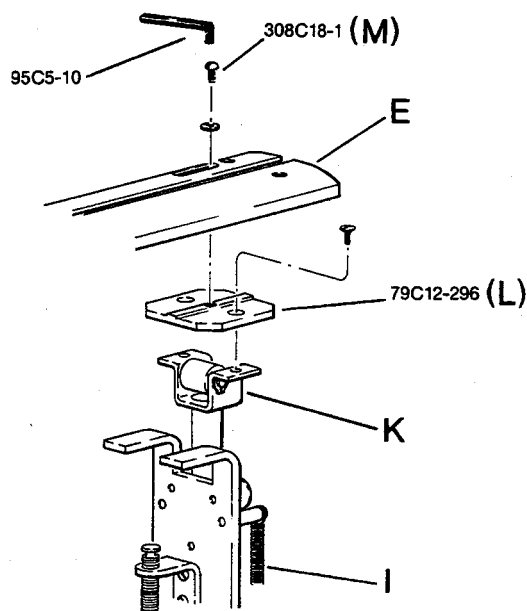


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# Bias Lifting Mechanism Falcon Track



**Straight Cut**



**Bias Cut**

## BIAS LIFTING MECHANISM

When using the Bias Lifting Mechanism to cut square to table, secure the mounting brackets "A" and "B" as follows.

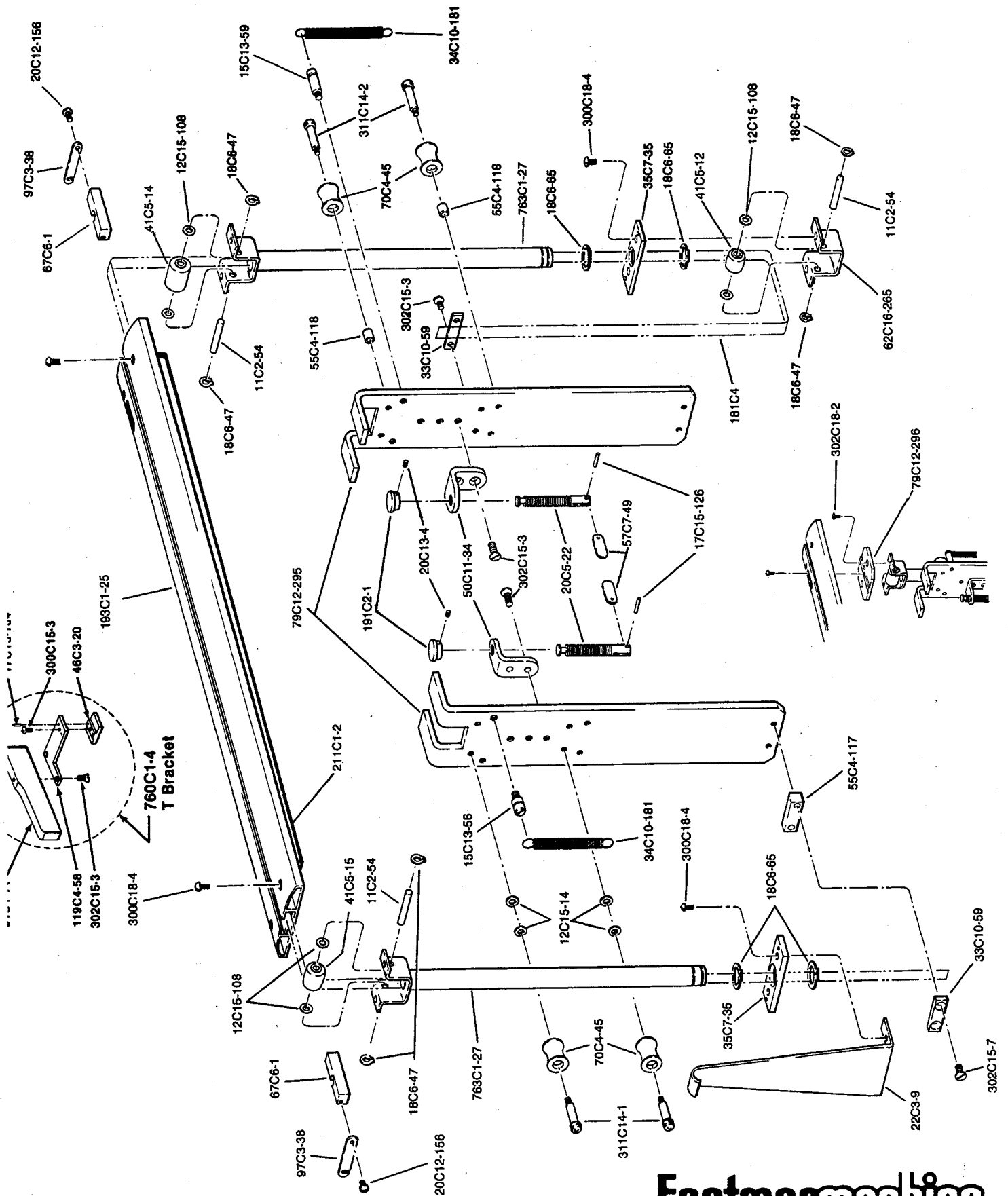
Tape control "F" has been pre-fed through the lifting mechanism as shown. Loosen screws "G" on clamp bar "H". Pull tape of to approximate width of table and mount bracket "B" on far end of table. Secure bracket "A" to near side of table in the same manner pulling the tape over the top of the table. Measure off from the nearest section of tabling to an even length for both brackets "A" and "B". Pull tape "F" tight and secure clamp bar "H" with clamp bar screws "G". Secure track "E" to brackets "J" and "K" with mounting screws "S". Track should be mounted squarely to the section of table that was previously measured off. Install four lifting springs "I" and readjust tape "F" to insure that both lifting brackets "J" and "K" are synchronized and perform a smooth operation when cutting machine has been installed on the far end of the track.

Electric switch control CAM 760C1-4 is installed in the extruded portion of the track with the special T bracket. CAM is adjustable and will compensate for varied width fabrics. This will minimize the travel required for cutting across the prescribed width of material.

To cut cloth at an angle (bias):

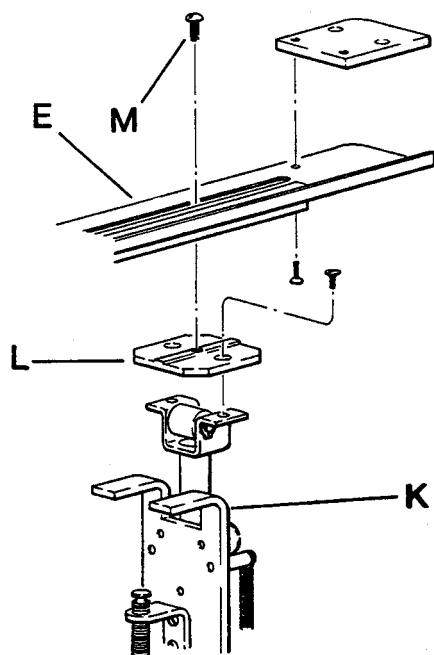
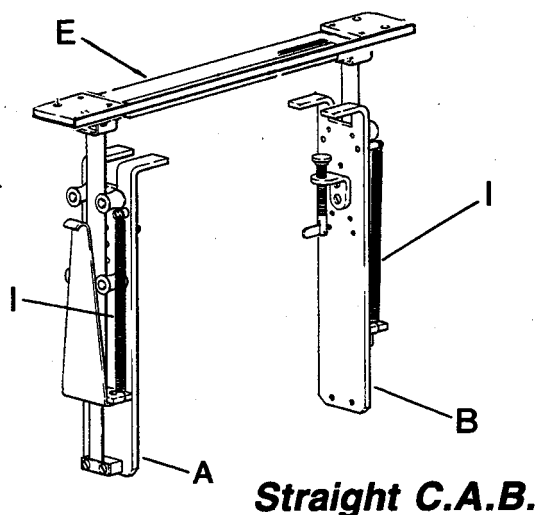
Remove rear lifting bracket "K" from track "E" and fasten plate "L" to lifting bracket as shown. Mount plate to track with a single screw "M" through slot in track. When clamping rear mount bracket "B" to table, loosen screw "M" then move track to the desired angle. Secure bracket "B" to table and tighten screw "M" to lock track in place.

Part Number	No. Req'd.	Description
11C2-54	3	Shaft, Belt Roller
12C15-14	8	Washer, Guide Screw, 193 ID
12C15-108	6	Washer, Flat, 250 ID
15C13-56	2	Stud, Lift Spring, Front
15C13-59	2	Stud, Lift Spring, Rear
17C15-126	2	Roll Pin
17C15-134	2	Roll Pin
18C6-47	6	Grip Ring
18C6-65	4	Retaining Ring
20C5-22	2	Screw, Clamp
20C12-156	4	Screw, Release Lever
20C13-4	2	Screw, Set 8-32 x .187 Oval Point
22C3-9	1	Handle, Lift
33C10-59	2	Holder, Belt
34C10-181	4	Spring, Extension
35C7-35	2	Arm, Spring
41C5-12	1	Roller, Belt
41C5-14	1	Roller, Belt
41C5-15	1	Roller, Belt
46C3-20	1	Clamp Block
50C11-34	2	Base, Clamp
55C4-117	1	Spacer, Belt
55C4-118	4	Spacer, Roller
57C7-49	2	Lever, Clamp Screw
62C16-265	1	Bracket, Pulley
64C1-14	1	Cam for Switch
67C6-1	4	Mount, Latch
70C4-45	8	Roller, Guide
79C12-295	2	Plate, Mounting
79C12-296	1	Plate, Slider (Bias Cutter Only)
95C5-10	1	Wrench, Hex Key, .187 Short Arm
97C3-38	2	Latch
119C4-58	1	Cam Support Block
181C4	A/R	Belt, Variable Length
191C2-1	2	Pad, Swivel
193C1-25	1	Track, Variable Length
211C1-2	A/R	Tape, Falcon
300C15-3	1	Screw, 10-32 x 3/8 Round Head
300C18-4	6	Screw, 1/4-20 x .625 Round Head
302C15-3	2	Screw, 10-32 x .500 Flat Head
302C15-7	2	Screw, 10-32 x 1.00 Flat Head
302C18-2	8	Screw, 1/4-20 x .500 Flat Head
308C18-1	1	Screw, 1/4-20 x 1.00 Socket cap
311C14-1	4	Screw, 250 x .750 Socket Shoulder
311C14-2	4	Screw, 250 x 1.250 Socket Shoulder
760C1-4	1	Cam Assembly
763C1-27	2	Tube Assembly
823C2-1	1	Falcon Bias Track Complete w/o Lift
823C2-2	1	Falcon Bias Track Complete with Lift
840C2-1	1	Falcon Track, Bias Lift Mech. Only



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# Bias Lifting Mechanism Cloth Alignment Bar



**Optional:** CAB (Cloth Alignment Bar) as shown below is mounted in the same manner as track but only requires two springs "I", one spring each end.

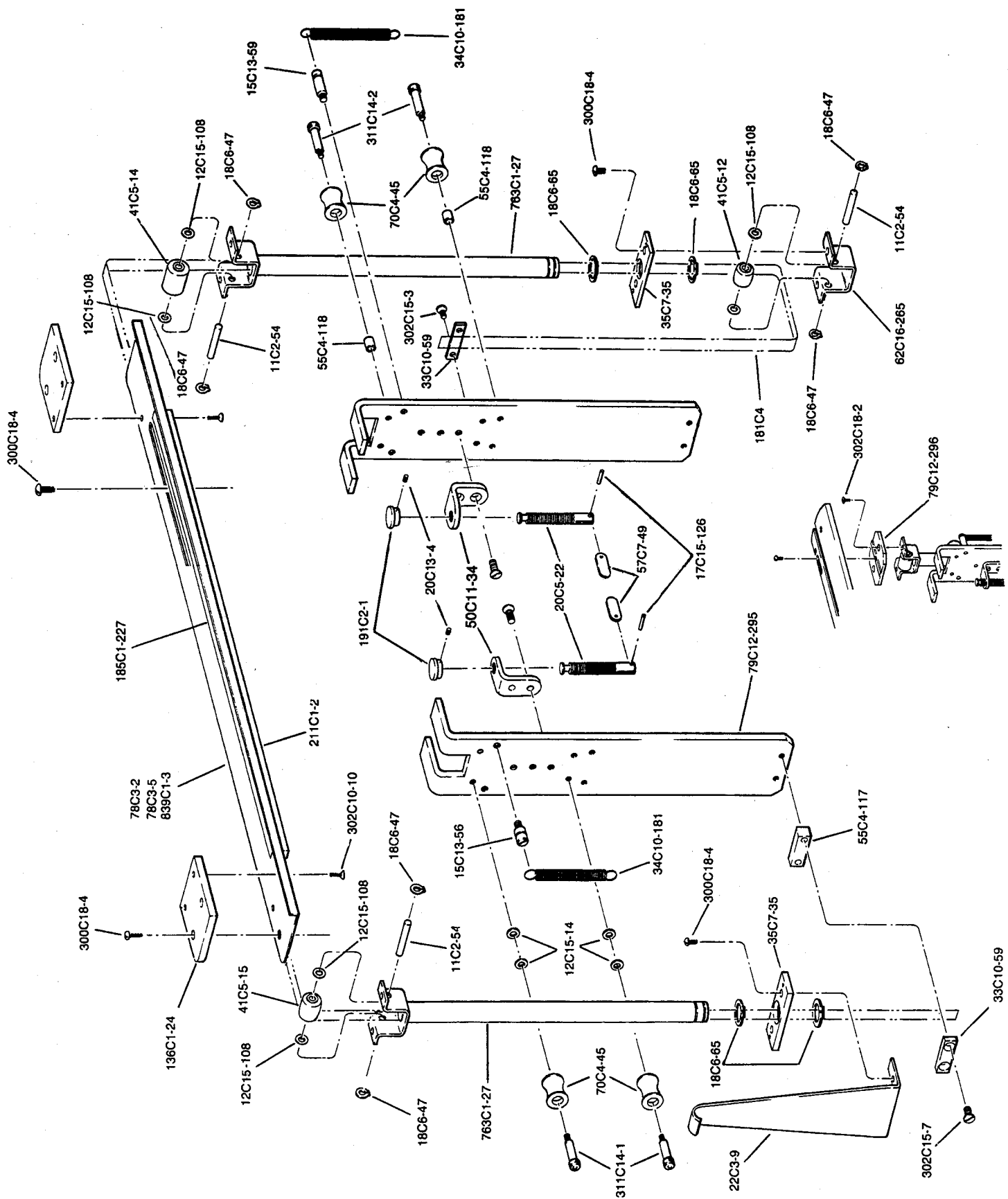
When using the Bias Lifting Mechanism to cut on an angle, the mounting procedure is the same as above with the exception of:

Remove rear lifting bracket "K" from track "E" and fasten plate "L" onto lifting bracket as shown. Mount plate to track with single screw "M" through slot in track. When fastening rear mount bracket "B" to table, loosen screw "M" and move track to desired angle and secure both bracket "B" and screw "M".

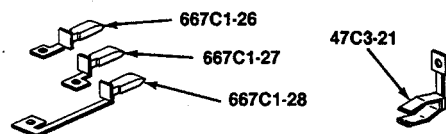
Part Number	No. Req'd.	Description
11C2-54	3	Shaft, Belt Roller
12C15-14	8	Washer, Guide Screw .193 ID
12C15-108	6	Washer, Flat .250 ID
15C13-56	2	Stud, Lift Spring, Front
15C13-59	2	Stud, Lift Spring, Rear
17C15-126	2	Roll Pin
18C6-47	6	Grip Ring
18C6-65	4	Retaining Ring
20C5-22	2	Screw, Clamp
20C7-12	1	Thumb Screw
20C13-4	2	Screw, 8-32 x .187 Oval Point Set
22C3-9	1	Handle, Lift
33C10-59	2	Holder, Belt
34C10-181	2	Spring, Extension
35C7-35	2	Arm, Spring
41C5-12	1	Roller, Belt
41C5-14	1	Roller, Belt
41C5-15	1	Roller, Belt
50C11-34	2	Base, Clamp
55C4-117	1	Spacer, Belt
55C4-118	4	Spacer, Belt
57C7-49	2	Lever, Clamp Screw
62C16-265	1	Bracket, Pulley
70C4-45	8	Roller, Guide
78C3-5	1	Bar, C.A.B. Variable Length, Bias Cut
78C3-2	1	Bar, C.A.B. Variable Length, Straight Cut
79C12-295	2	Plate, Mounting
79C12-296	1	Plate, Slider (Bias Only)
95C5-10	1	Wrench, Hex .187 Short Arm
119C4-66	1	Support C.A.B. 96½"-109" Table
136C1-24	2	Bar, Weight
181C4	A/R	Belt, Variable Length
185C1-227	1	Scale for C.A.B.
191C2-1	2	Pad, Swivel
211C1-2	A/R	Tape, Falcon
300C18-4	4	Screw, ¼ - 20 x .625 Round Head
302C10-10	4	Screw, 6-32 x .437 Flat Head
302C15-3	2	Screw, 10-32 x .500 Flat Head
302C15-7	2	Screw, 10-32 x 1.00 Flat Head
302C18-2	8	Screw, ¼-20 x .500 Flat Head
308C18-1	1	Screw, ¼-20 x 1.00 Socket Cap
311C14-1	4	Screw, .250 x .750 Socket Shoulder
311C14-2	4	Screw, .250 x 1.250 Socket Shoulder
763C1-27	2	Tube Assembly
839C1-3	1	Reinforced C.A.B. Straight Cut 96½"-109"
839C2-1	1	C.A.B. Bias Cut Complete w/o Lift
839C2-2	1	C.A.B. Bias Cut Complete with Lift
840C2-2	1	C.A.B. Bias Lift Mechanism Only
840C2-2	1	C.A.B. Straight Cut Lift Mech. Only

Table width greater than 8 feet require C.A.B. (Cloth Alignment Bar) that uses special reinforcement.



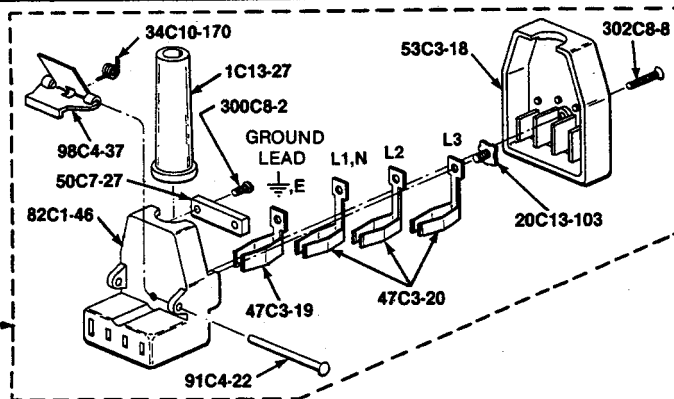


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**PLEASE SPECIFY  
VOLTAGE WHEN  
ORDERING PARTS**

**ATTACHMENT PLUG**  
**PATENT PENDING**  
**523C1-100**  
**SHOWN**



**Electrical connections to this device should be made by a qualified electrician who is familiar with applicable codes and regulations. To ensure operator safety, a ground lead must be connected to terminal "E" on the attachment plug. Disconnect this equipment from electrical power before proceeding with any disassembly for adjustment inspection or repair.**

Description	Part No.
Attachment Plug	1C13-27
Cord Sleeve	20C13-103
U-Lock Screw	34C10-170
Spring	47C3-19
Terminal Sleeve	47C3-20
Terminal Sleeve (current)	47C3-21
Terminal Sleeve (current)	50C7-27
Cordclamp	53C3-18
Attachment Plug Cover	82C1-45
Attachment Plug Body	82C1-46
Attachment Plug Body	82C1-47
Attachment Plug Body	82C1-48
Attachment Plug Body	82C1-49
Rivet	91C4-22
Thumb Clip	98C4-37
Screw #4-40 x 3/8 Round Hd	300C8-1
Screw #4-40 x 1/2 Round Hd	300C8-2
Screw #4-40 x 7/8 Flat Hd	302C8-8
Terminal Block	20C13-103
U-Lock Screw	51C1-61
Terminal Block Bottom	51C1-62
Terminal Block Top	302C15-8
Screw #10-32 x 1-1/8 Flat Hd	667C1-22
Terminal Contact w/pin E	667C1-23
Terminal Contact w/pin L1,N	667C1-24
Terminal Contact w/pin L2	667C1-25
Terminal Contact w/pin L3	667C1-26
Terminal Contact w/pin L1,N	667C1-27
Terminal Contact w/pin L2	667C1-28
Terminal Contact w/pin L3	

EASTMAN 10A 380V 3~	EASTMAN 10A 220V 3~	EASTMAN 10A 220V ~	EASTMAN 15A 120V ~	EASTMAN 25A 42V ~
523C1-99	523C1-100	523C1-101	523C1-102	523C1-103
1	1	1	1	1
4	4	3	3	3
1	1	1	1	1
1	1	1	1	1
2	3	1	1	1
1	—	1	1	1
1	1	1	1	1
1	1	1	1	1
1	—	—	—	—
—	1	—	—	—
—	—	1	—	—
—	—	—	1	—
1	1	1	1	1
1	1	1	1	1
—	—	—	—	—
2	2	2	2	2
1	1	1	1	1
508C1-99	508C1-100	508C1-101	508C1-102	508C1-103
4	4	3	3	3
1	1	1	1	1
51C1-63	51C1-64	51C1-65	51C1-66	51C1-67
2	2	2	2	2
1	1	1	1	1
1	1	1	—	—
1	1	—	1	—
—	1	—	—	1
—	—	—	1	1
—	—	1	—	—
1	—	—	—	—

We guarantee our machines for 90 days from date of invoice against defective parts and workmanship and will repair or replace any machine that proves defective from these causes when returned to us, carrying charges prepaid. This guarantee does not include making good for damages caused by misuse, neglect or normal wear; and is void if other than genuine EASTMAN Knives, belts, emery wheels and parts are used in the machine.

# Eastmanmachine COMPANY

**Manufacturers of Eastman Cloth Cutting and Cloth Spreading Machines**

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