FASCUT®

Model FR-800-C Rebar Bender/Cutter
Model FR-800 Rebar Bender
Serial # 19546 and down



INSTRUCTION MANUAL

Built in the U.S.A. – Since 1979

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MODEL FR-800-C BENDER/CUTTER
MODEL FR-800 BENDER

INTRODUCTION

The FR-800 is a rotary table type bender. The FR-800-C is the same bender with the addition of a cutter head. By following the enclosed instructions and maintenance schedule, your FASCUT machine will provide you with years of trouble free service.

WARNINGS



DO NOT operate this machine until you have read thoroughly, and understand completely all instructions, cautions, dangers, and warnings, contained in this manual. Failure to comply can result in accidents involving fire, electric shock, or serious personal injury.

**** **Maintain and review instruction manual frequently for continuing safe operation and instructing possible third-party users.**



DO NOT turn machine on before removing the shipping plug on the top of the oil reservoir and replacing it with the supplied breather cap. To gain access, remove the six screws that hold on the back panel. This is where you will find the Foot Pedal control as well.



ALWAYS wear safety glasses when operating and KEEP fingers away from cutting blades and bending rollers or serious personal injury may result.

Specifications

	FR-800	FR-800-C
Size (L x W x H)	32” x 18” x 29”	32” x 24” x 29”
Weight	290 pounds	380 pounds
Cut/Bend Capacity	1 bar - #8 (1”), #7 (7/8”), or #6 (3/4”) 2 bars - #5 (5/8”) 3 bars - #4 (1/2”) 4 bars - #3 (3/8”)	
Voltage / Amps	110-120 volts @ 15 amps – 50/60 Hz, single phase 220-240 volts @ 7.5 amps – 50/60 Hz, single phase	
Power Supply	Two stage hydraulic pump driven by a one (1) HP continuous duty electric motor.	
Bend Dies	1-1/2”, 3”, 4-1/2”, and 6” diameter	
Bend Time	2 sec/90° up to #5 bar, 7 sec/90° up to #8	
Cut Time (FR-800-C)	2 to 4 seconds	

OPERATION

<u>DO NOT</u> attempt to operate this machine until you have read thoroughly and understand completely all instructions, cautions, dangers, and warnings, contained in this manual.



<u>ALWAYS WEAR SAFETY GLASSES</u> when operating machine, or when working close to the machine when it is being operated by others.



<u>ALWAYS KEEP FINGERS AWAY</u> from cutting blades and bending rollers.

PLUG UNIT INTO a 110-120 Volt outlet on a circuit with no less than a 20 amp breaker. When using an extension cord, never use less than 12 gauge wire. Runs of over 100 feet are not recommended. Excessive voltage drop at the unit will cause the motor to burn out.

Or if 220 Volt

WIRE UNIT TO a 220-240 volt, 50/60 cycle, 1 phase power source. Unit will draw approximately 8 amps. When using an extension cord, never use less than 14-guage wire. Excessive voltage drop at the unit will cause the motor to burn out.

1. **GENERATOR MUST BE 5000 WATTS OR LARGER.** Disable idle down feature so generator engine is running at operating speed before turning on rebar cutter.

2. **TURN ON** using the toggle switch. In cold weather operations, turn unit on and allow oil to warm up for 5 to 10 minutes before using.

3. **ALWAYS TURN OFF** unit when not in use. **DO NOT** allow unit to idle for long periods of time.

4. **KEEP IN UPRIGHT POSITION** to prevent loss of hydraulic oil from the oil tank breather cap.

5. **DO NOT DROP** machine as serious personal injury may result and damage to the machine is likely.

6. **DO NOT PICK UP OR CARRY** machine alone as serious personal injury may result. Unit has handles so (2) two people can properly and safely move machine.

7. **TO BEND** a bar or bars, first select the proper bending die using the following table:

Standard Hooks:

1-1/2” die	N/A
3” die	#3 and #4 rebar
4-1/2” die	#5 and #6 rebar
6” die	#7 and #8 rebar

Stirrup Hooks:

1-1/2” die	#3 rebar
3” die	#4 and #5 rebar
4-1/2” die	#6 rebar
6” die	#7 and #8 rebar

8. **THE BENDING POST** has four different positions. It is held in place with a large allen head cap screw in one of two threaded holes on the rotary table. The post can be rotated to two different positions per hole. Select the proper position depending on what diameter bar you are bending and what size bending die you are bending the bar on. It should become obvious which position the bending post should be put in. Select your bending die size and then lay your bar up against the die. Select the bending post position that gives the least amount of space between the post and bar. Tighten large allen head cap screw to secure the bending post in this position. **Next**, with the bar still in position and straight (parallel) to the table, loosen the large allen head cap screw that holds the bending support roller and move it forward so it touches the bar. Adjust this support so the bar is straight (parallel) to the table when you are bending. The machine is now **set-up** for bending your particular size rebar.

9. **ADJUST THE BEND ANGLE** by moving the bending angle adjustment lever on the side of the machine to the required angle. After making a test bend, move the bending adjustment lever slightly either way to achieve the exact angle you require. Move the two stops up against the adjuster on each side to lock it at this angle. The machine will now reproduce this same angle until a different **set-up** is made to the machine.

10. **SEISMIC STIRRUPS** require 2 different bend angles. You can preset two bending angles by positioning one stop for one of the angles and the other stop for the second angle. When bending, simply slide the adjuster back and forth to either stop depending on which angle you want to bend.

11. **POSITION BAR INTO BENDER** by feeding bar into machine from right to left. Hold the bar in place with your right hand **ONLY**.



DO NOT hold bar close to the adjustable support roller as the bar is drawn TOWARDS this roller when a bend is made. SERIOUS INJURY COULD RESULT.



ALWAYS KEEP HANDS CLEAR of all bending dies, the bending post, and the adjustable support roller when a bend is being made or SERIOUS INJURY COULD RESULT.



KEEP YOUR HANDS AWAY FROM ALL MOVING PARTS. REMOVE all loose clothing before operating machine.

12. **HOLD DOWN FOOT PEDAL** until the table stops and reverses direction. The table automatically stops and reverses at your preset bending angle. Release the pedal at any time to reverse direction. After a bend has been made **PULL** on the bar to the **RIGHT** to keep it against the bending spool until the table has returned to the start position.

NEVER have one person work the foot pedal while another is holding or feeding bar into the machine. SERIOUS INJURY COULD RESULT.

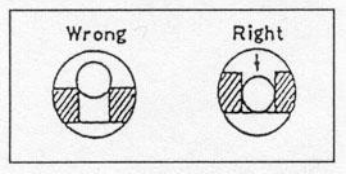
OPERATION OF CUTTER
(on FR-800-C models)

1. **ALWAYS** wear safety glasses when operating.

2. **KEEP FINGERS AWAY** from cutting blades at all times.

3. **TURN THE SELECTOR** on the side of the machine from **BEND** to **CUT.**

4. **POSITION** bar or bars between cutting blades. Bar must rest on the bottom of the cutter opening as shown.



5. **ADJUST THE BAR SUPPORT** on the right side of the cutter so the bar is held perpendicular to the cutting blades. Press the foot pedal until the cut is made and then release the pedal. **DO NOT** cut very short pieces (3” or shorter) as they could fly out and cause an accident. If you must cut short pieces, you must come up with a way to contain the cut pieces to prevent them from flying out and injuring someone.

6. **CUTTING BLADES** have 4 cutting edges. When one set of edges is worn, simply remove blade securing bolts and rotate to the next sharp edge. To access the blade securing bolts for the blade that moves, simply turn on the machine and make sure Cut/Bend lever is in the CUT position. Press the foot pedal and when the ram has extended about ¾ of the way out, flip off the on/off switch and turn the motor off. The ram will stay in the extended position until the machine is turned back on again. Now you can access the blade securing bolts to rotate or exchange this blade. Carefully grind mushroomed edges flat if they prevent proper seating of the blade in its new position. **DO NOT** attempt to re-sharpen worn edges as you will destroy the temper (hardening) properties of the blade and it will be ruined.

DO NOT continue to cut with worn blades as damage to the machine or SERIOUS INJURY COULD RESULT.

7. **OPTIONAL TYPE 801 CUTTING BLADE** can be used when cutting a lot of #3 or #4 bar. Your cutting times will be faster because the cutter takes less time to advance and makes contact with the bar sooner. **REPLACE** the regular "stationary" cutting blade with the Optional Type 801 cutting blade. **NOTE:** This blade must **NEVER** be installed in the "moving" blade position. As always, make certain the securing bolts are tight. Adjust the bar support to keep rebar at a 90 degree angle to the cutting blades. In order to cut bar over ½" in diameter, the Optional Type 801 blade must be removed from the "stationary" socket and replaced with a standard size cutting blade.



NEVER place hands or fingers near cutter while in operation or SERIOUS INJURY COULD RESULT.

DAILY MAINTENANCE

1. **GREASE** fitting on top of the shaft that holds the adjustable bending support roller.

2. **GREASE** fitting on the left side of the cutter head. (FR-800-C only)
(In order to grease this fitting you must turn on machine and extend the piston all the way out and then turn off machine. Piston must be fully extended to allow grease to be added to this zert.)

3. **TIGHTEN** blade securing bolts before each use period. Turn on the machine and make sure Cut/Bend lever is in the CUT position. Press the foot pedal and when the ram has extended about ¾ of the way out, flip off the on/off switch and turn the motor off. The ram will stay in the extended position until the machine is turned back on again. Use the allen wrench provided on the machine to tighten the two bolts for each blade. **DO NOT** cut with loose cutting blades or severe damage to the cutter and broken blades will result.



SERIOUS INJURY to operator could result from a broken blade. ALWAYS WEAR EYE PROTECTION WHEN USING MACHINE.

ANNUAL MAINTENANCE

1. **DRAIN AND REPLACE OIL** at least once a year or 200 operating hours, whichever comes first. Allow unit to run for five minutes before draining to warm up the oil. Remove six screws that hold on the back panel. The drain plug is on the end of the oil tank. After draining and replacing plug, fill through the breather cap hole on top of the unit to within 1" of the top. (approx. 1-1/2 gallons) Use a quality hydraulic oil with an **ISO VG-46** weight rating for general year round use. Use a heavier **ISO VG-68** weight rating for continuous hot weather operation.

2. **PRESSURE WASH MACHINE** inside and out. Remove the front and rear cover plates to access the inside area of the machine. Using compressed air, blow dry the inside and outside components after washing.

3. **INSPECT MACHINE FOR OIL LEAKS** by turning on and running machine for a minimum of 15 minutes. During this time, cycle the bender a minimum of 10 times. If your machine has a cutter,

cycle the cutter a minimum of 10 times as well. Turn off machine and with the front and rear cover plates still removed, use a flash light to look for any signs of hydraulic fluid leaking. Check the entire rotary actuator that moves the bender. Check the cutter hydraulic cylinder (if so equipped). Inspect around the chrome piston rod, and the rear body seal. Check all hydraulic lines and fittings. Oil can travel great distances so it is important to try to find the true source of the leak so that it can be repaired.

4. **LUBRICATE ALL THREADED FASTENERS** and inspect all wearable components. Remove the bending post bolt, the bending support roller bolt, the cutter adjustable bar support bolt (if so equipped) and lubricate them liberally with a good quality anti-seize. Use lithium grease and lubricate the end bearings of the table rollers. Spray LPS rust inhibitor on all exposed metal parts to protect them from corrosion.

5. **REASSEMBLE MACHINE AND TEST** for proper operation and performance. To test the hydraulic system set-up machine to bend a 1” bar around the 6” die. Set the bend adjuster to 180 degrees. Time the machine to bend a 1” bar 180 degrees. It should take a maximum of 18 to 20 seconds to complete this bend. Set up the cutter (if so equipped) to cut a 1” bar. Time the machine to cut a 1” bar. It should take a maximum of 5 seconds to complete this cut. If after these tests you find your machine taking longer than the times shown above, this is an indication that your hydraulic pump is showing signs of wear and may need to be replaced.

**** The ***FASCUT*** factory has very knowledgeable people on staff answering your phone calls. They are trained in all facets of our machines operation and are very good at helping you determine exactly what is wrong with your machine. The factory stocks every component of all our machines and can assist you and ship any part to you immediately with easy instructions for you to repair your machine on-site.

100% MADE IN THE U.S.A.

We are proud to be able to offer you outstanding customer service to go along with the quality machines that ***FASCUT*** has produced for over 30 years.

OPTIONAL – REFERENCE FENCE ATTACHMENT

The reference fence attachment consists of a 1” square tube inserted into receptacles that are welded to the machine. The position of the tube can be locked in place by tightening a thumb screw on one of the receptacles. Two paddle bar holders get slid onto the tube. Typically one is positioned to the left of the receptacle and one to the right like shown in the photo below. But the holders can be put anywhere you need to get the dimensions you want.

Slide the paddle bars into their holders and position them either closer to or further away from the centerline of the rotary table. This will vary some depending on the size of bar and the bending die being used. The proper setting allows the bar to touch near the tip of the paddle so the bar slides off as soon as it begins bending.

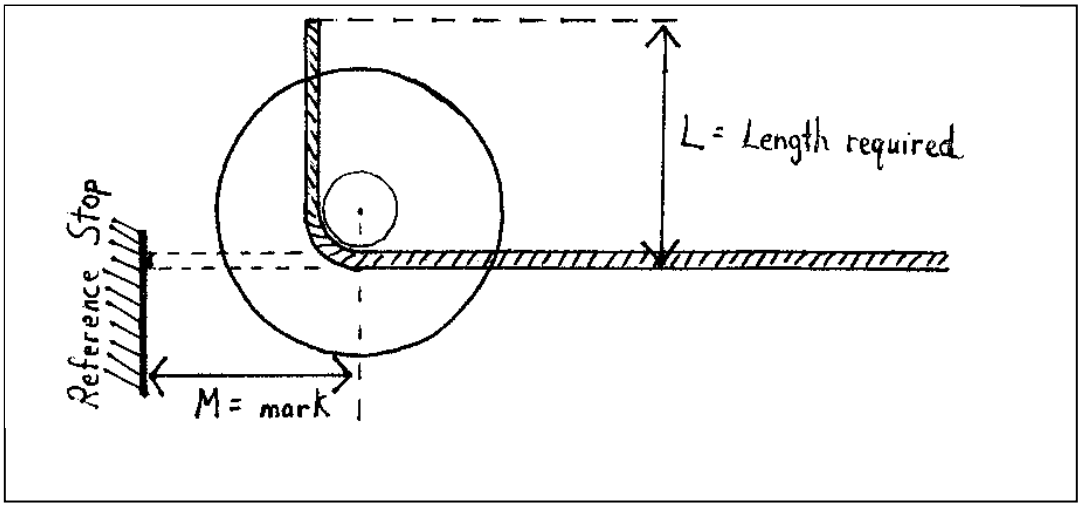
For a rectangular stirrup, set one paddle bar for the short dimension and the other for the long. Keep the thumb screw loose on the paddle bar closest to the rotary table and simply slide it back and forth as needed to bend up the rectangle.

WARNING: Make certain that the bending post will not hit a paddle bar when the table rotates. Move the paddle bar further to the left, away from the rotary table so there is clearance between the bending post and the paddle bar when the table rotates. Use lines etched into the table to reference smaller dimensions. A *“Sharpie”* works great for this.

The FR-800-C Bender/Cutter reference fence attachment has an additional paddle bar that is bolted to the end of the bar. This provides the material stop for cutting accurate lengths.



CALCULATING THE ADJUSTMENT FACTOR FOR BENDING DIFFERENT SIZES OF REBAR



For #3 bar bent on 1-1/2" diameter die - L minus 1-1/4" = M

For #4 bar bent on 3" diameter die - L minus 2-1/4" = M

For #6 bar bent on 4-1/2" diameter die - L minus 3-1/4" = M

For #8 bar bent on 6" diameter die - L minus 4-1/4" = M

Bending a Stirrup

Refer to the series of pictures showing a standard 5-bend stirrup being bent from start to finish. In this example we are bending a 10" square stirrup with 5-1/4" long tails out of #4 bar on the 3" diameter die.

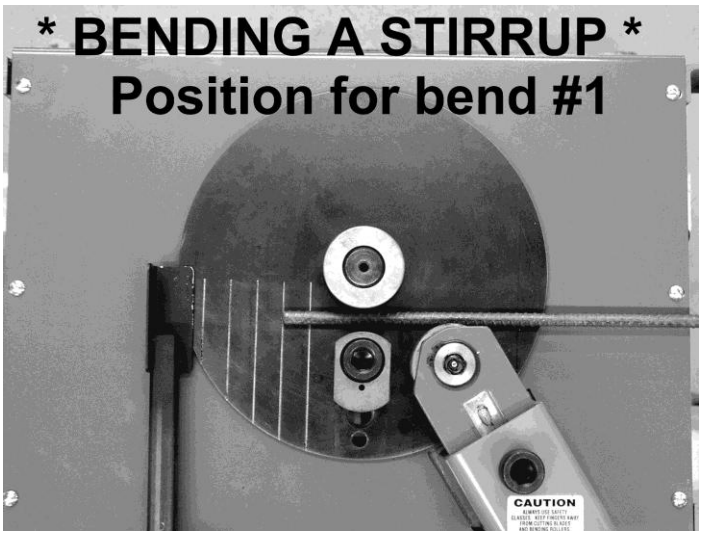
Use the adjustment factor above to determine how to set the reference stop. 10"(L) minus 2-1/4" = 7-3/4"(M).

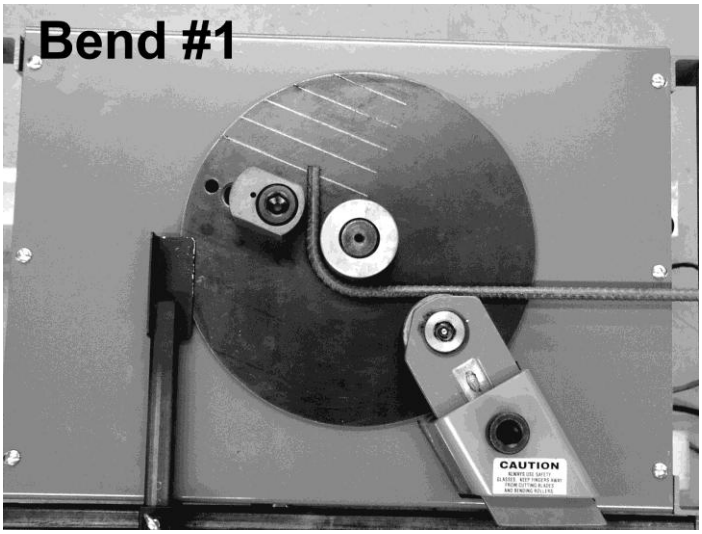
Add up the sides of the stirrup:
5-1/4"+10"+10"+10"+10"+5-1/4" = 50-1/2".

Cut one bar this long and make the stirrup. The bar will be too long because less bar is needed to make a round corner than a square one. After the stirrup is made, measure how much the bar is too long and deduct this from the original 50-1/2" length. Cut your bars to this new length and the stirrup will now come together properly after making bend #5.

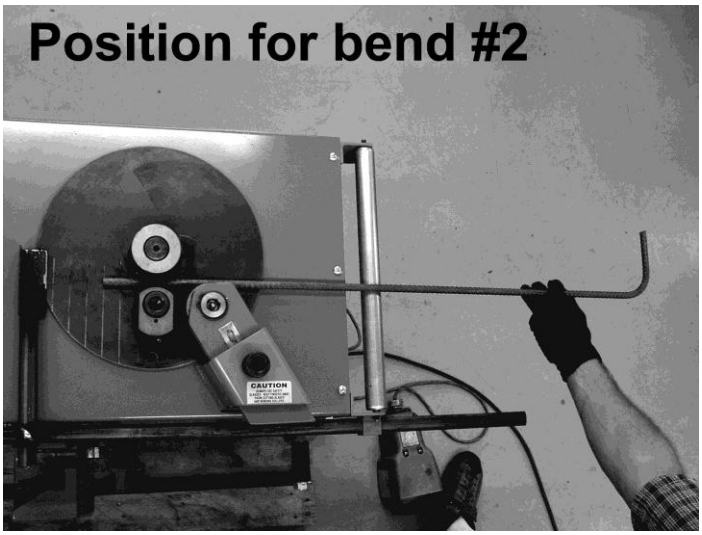
Stirrup Bending Sequence

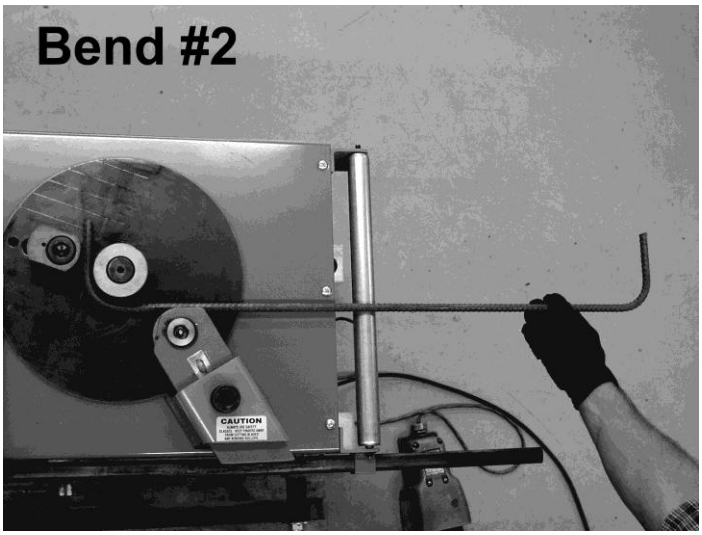
Bend #1 – Line up end of bar with mark on table and make 90 degree bend.



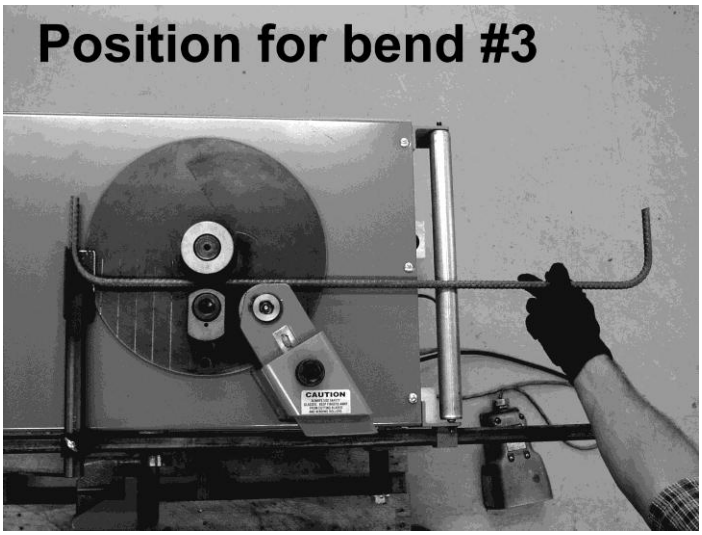


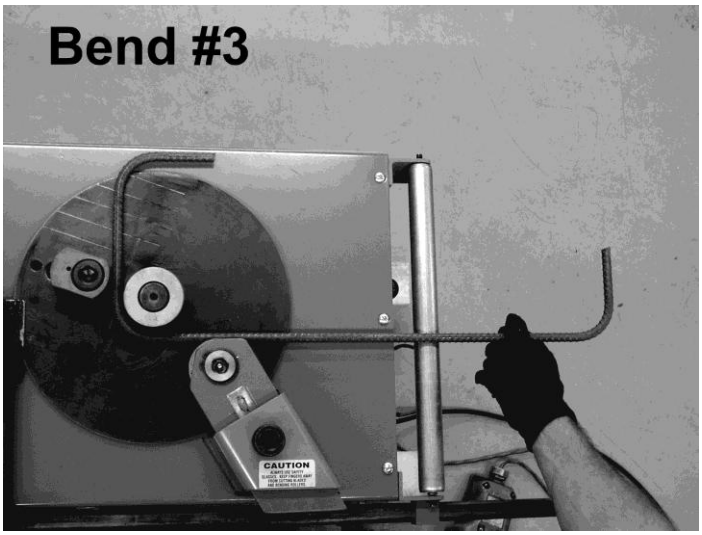
Bend #2 – Do the same on the other end of the bar.



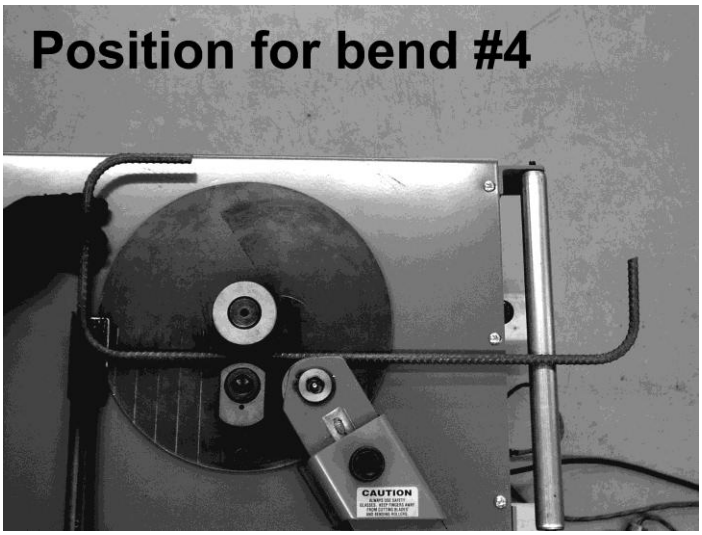


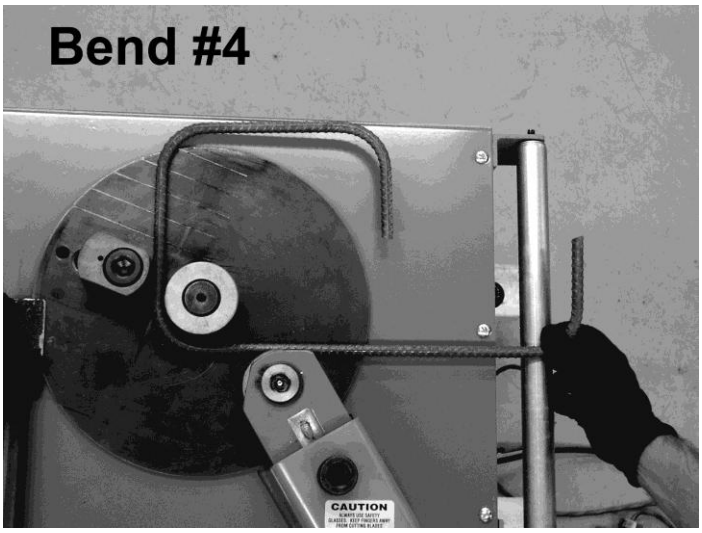
Bend #3 – Move bent end over to the reference fence.



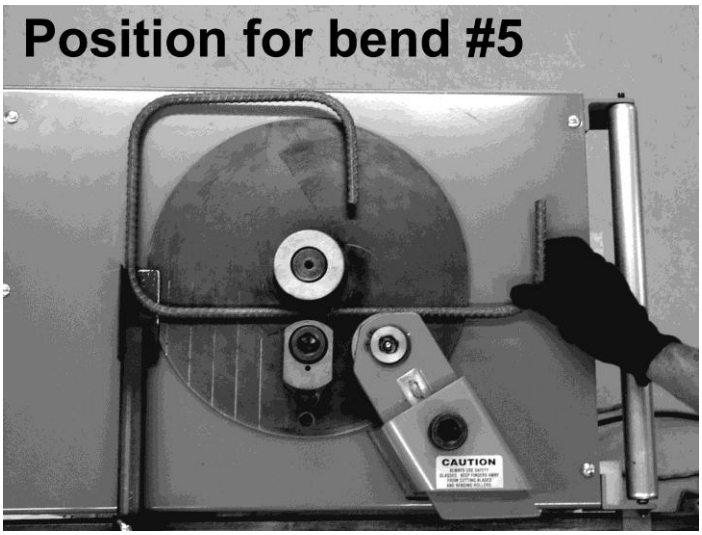


Bend #4 – Move bend #3 over to the reference fence. This time, lift up slightly on the “hook” end. This will help the “hook” end travel over the other “hook” end when making bend #5.



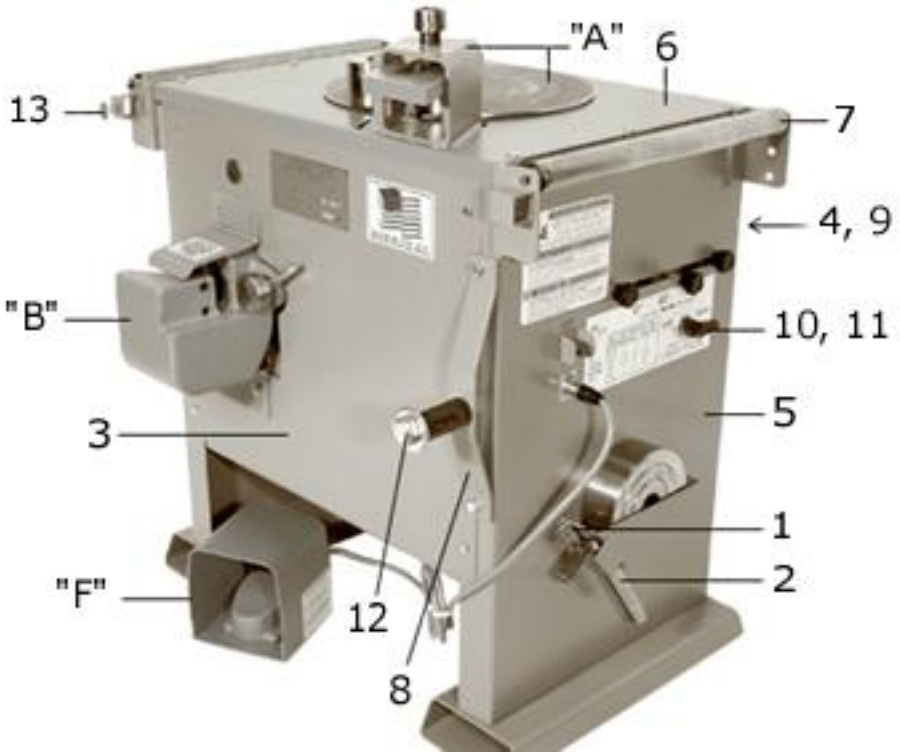


Bend #5 – Stirrup comes together.





FASCUT™ Model FR-800 or FR-800-C Rebar Fabricators



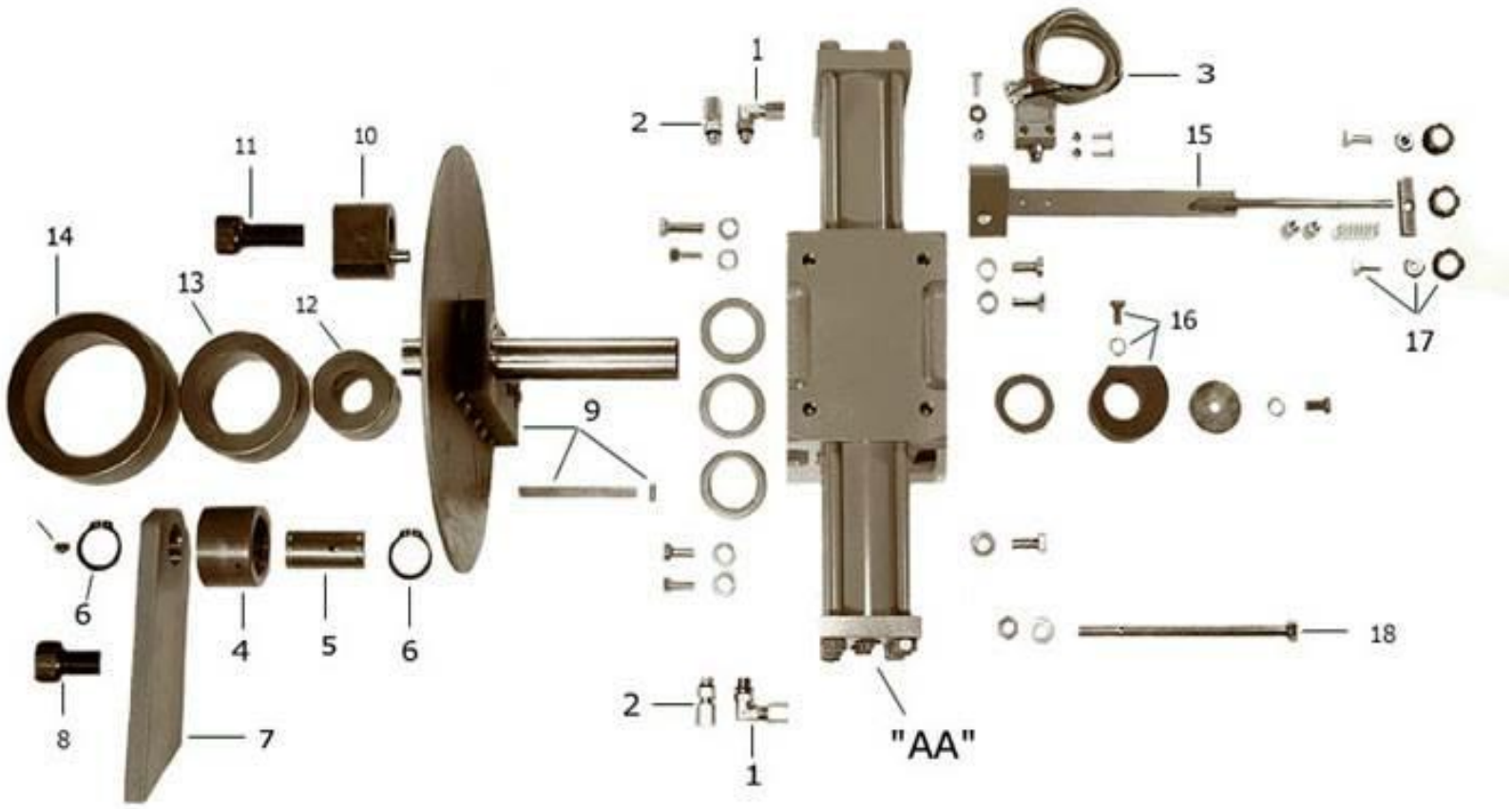
Parts List

Prices subject to change without notice. Sept 1, 2025

Index #	Description	Part #	Price/ea.	Qty Req'd
1	Allen wrench, ¼"	80310	3.36	1
2	Allen wrench, ¾"	80319	25.50	1
3	FR-800 front cover panel FR-800-C front cover panel	80604 80606	49.00 49.00	1 1
4	Rear cover panel	80608	49.00	1
5	Frame (base only)	80612	735.00	1
6	Top cover panel	80613	59.00	1
7	Table roller	80615	44.00	2
8	Bar rest support – FR-800-C	80616	13.27	1
9	Cooling fan	80618	42.00	1
10	Selector valve, cut-bend	80623	183.60	1
11	Selector valve, cut-bend – handle only	80624	18.60	1
12	Bar Support w/bolt & washer	80710	17.30	1
13	Reference Fence Thumb Screw	69731	1.15	1
"A"	See Breakdown "A"			
"B"	See Breakdown "B"			
"F"	See Breakdown "F"			

Rotary Bending Components

Breakdown A



FASCUT™ Model FR-800 or FR-800-C
Rebar Fabricator

Parts List

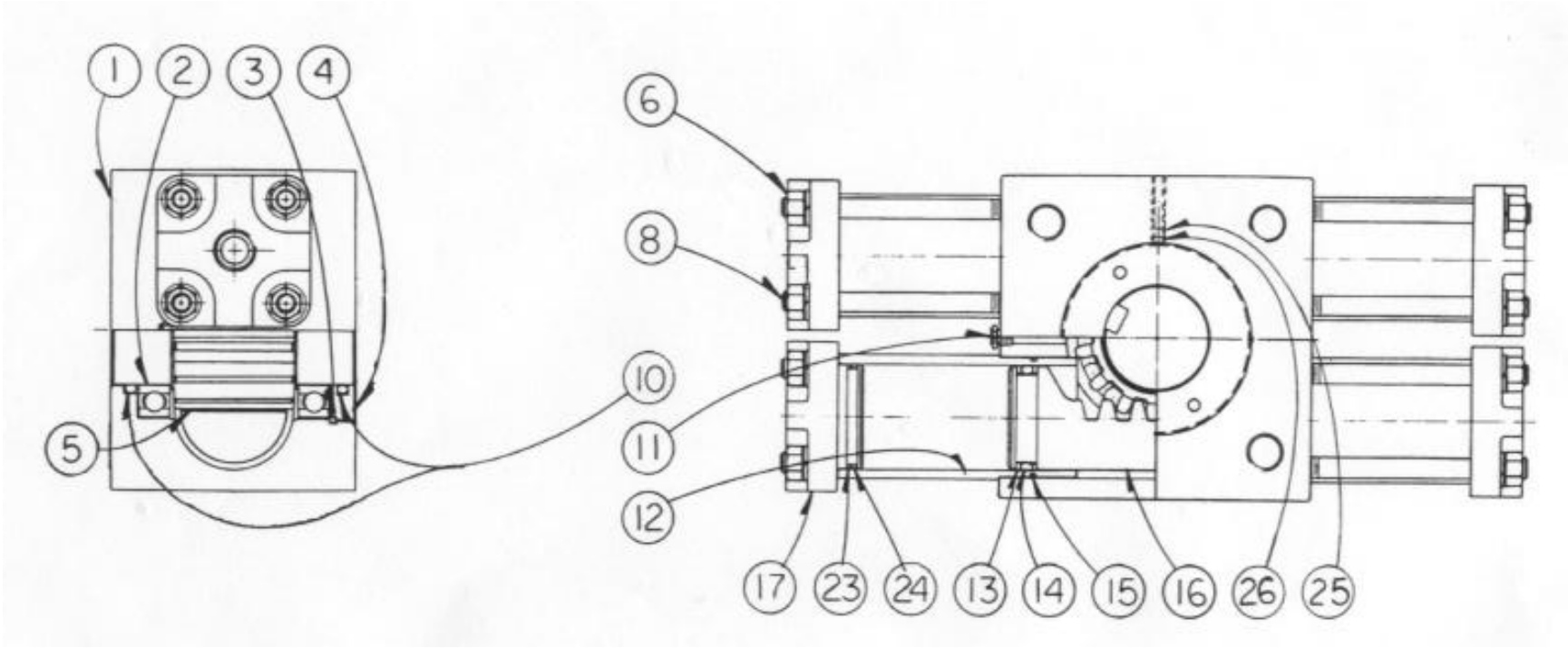
Rotary Bending Components
Breakdown A

Prices subject to change without notice. Sept. 1, 2025

Index #	Description	Part #	Price/ea.	Qty Req'd
1	Hyd Cylinder elbow fitting (Fascut SAE)	73112	19.60	2
2	Hyd Cylinder straight fitting (Fascut SAE)	73119	17.00	2
3	Limit switch (end wire)	74342	107.00	1
4	Bending support roller	80321	75.00	1
5	Roller shaft	80322	32.00	1
6	Retaining ring	80323	3.00	2
7	Adjuster plate	80324	58.00	1
8	Adjuster plate bolt	80325	27.00	1
9	Rotary disk w/central shaft	80335	341.00	1
10	Bending post	80337	112.00	1
11	Bending post bolt, 1" x 2-1/2" long	80338	10.16	1
12	Bending die – 3"	80348	70.00	1
13	Bending die – 4-1/2"	80355	117.00	1
14	Bending die – 6"	80361	138.00	1
15	Bend angle adjuster w/knob & bracket	80620	42.44	1
16	Limit cam	80621	33.20	1
17	Bend angle adjuster – stop knobs	80625	6.84	2
18	Actuator support bolt (8" long)	80704	3.36	1
"AA"	See Breakdown "AA"			

Rotary Hydraulic Actuator

Breakdown AA



FASCUT™ Model FR-800 or FR-800-C
Rebar Fabricator

Parts List

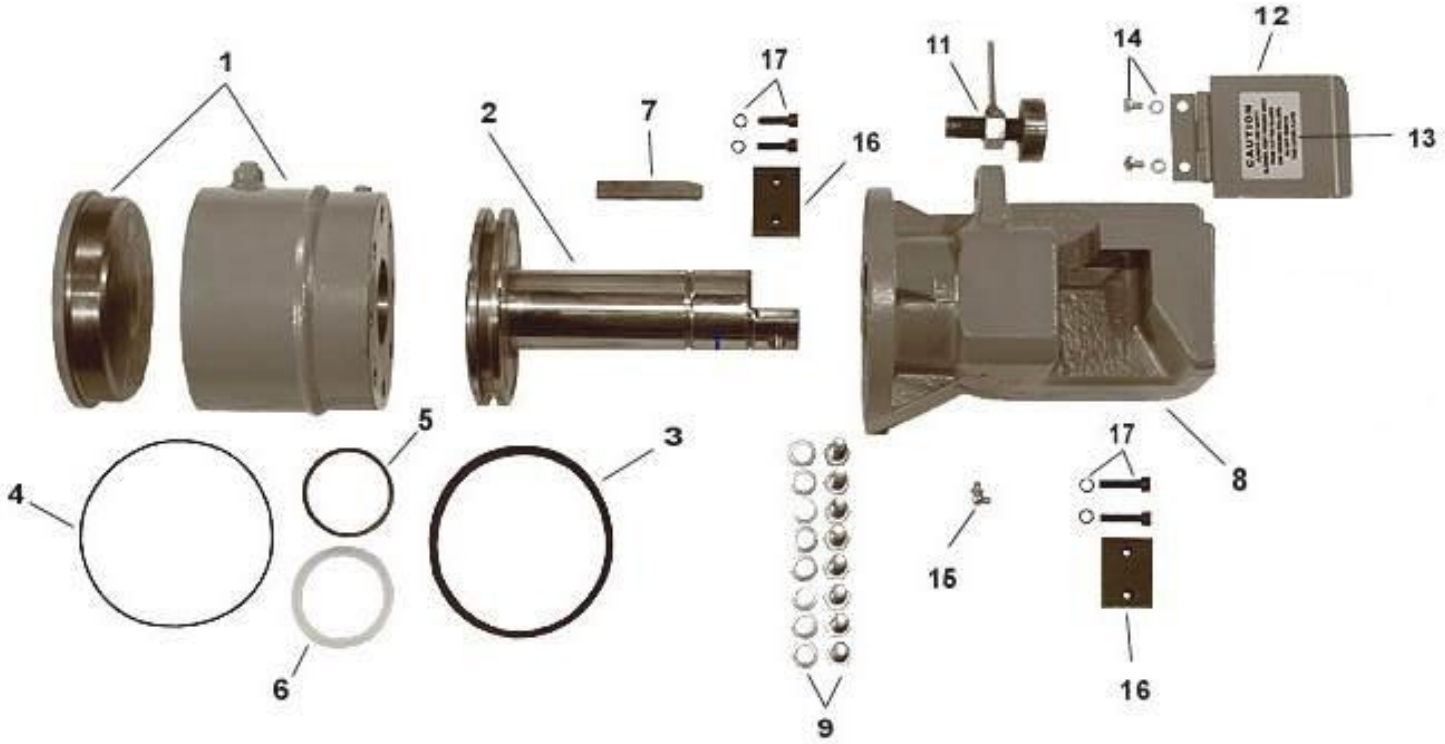
Rotary Hydraulic Actuator
Breakdown AA

Prices subject to change without notice. Sept. 1, 2025

Index #	Description	Part #	Price/ea.	Qty Req'd
	Rotary hydraulic actuator - **Complete** Includes: #1-- #6, #8, #10-- #17, #23-- #26	80500	1950.00	
	Seal kit – **Complete** Includes: #3, #10, #13-- #15, #23-- #26	80540	87.50	
1	Housing	80510	844.00	1
2	Bearing	80522	42.50	2
3	Bearing cap o-ring seal	80530	2.08	1
4	Bearing cap	80513	73.00	1
5	Pinion	80520	278.00	1
6	Tie rod nut	80515	.89	16
8	Tie rod	80514	7.80	16
10	Pinion o-ring seal	80531	2.08	2
11	Relief valve	80516	14.00	1
12	Cylinder tube – serial #18398 and up	80511	61.00	4
	Cylinder tube – serial #18397 and down	80542	61.00	4
13	PTFE Piston Seal (replaces o-ring and backup rings)	80537	16.20	4
14	Loader o-ring (included with Index 13)			
15	Cylinder tube o-ring seal	80534	.96	4
16	Piston rack – serial #18398 and up	80521	232.00	2
	Piston rack – serial #18397 and down **** No longer available **** Must order #12 (80511) and #16 (80521)			
17	Cylinder head	80512	77.28	4
23	Cylinder head back-up ring	80535	1.92	4
24	Cylinder head o-ring seal	80536	1.12	4
25	Bearing cap set screw	80517	.32	1
26	Bearing cap nylon pellet	80518	.16	1

Cutter Head and Hydraulic Cylinder

Breakdown B



FASCUT™ Model FR-800-C

Parts List

Cutter Head and Hydraulic Cylinder
Breakdown B

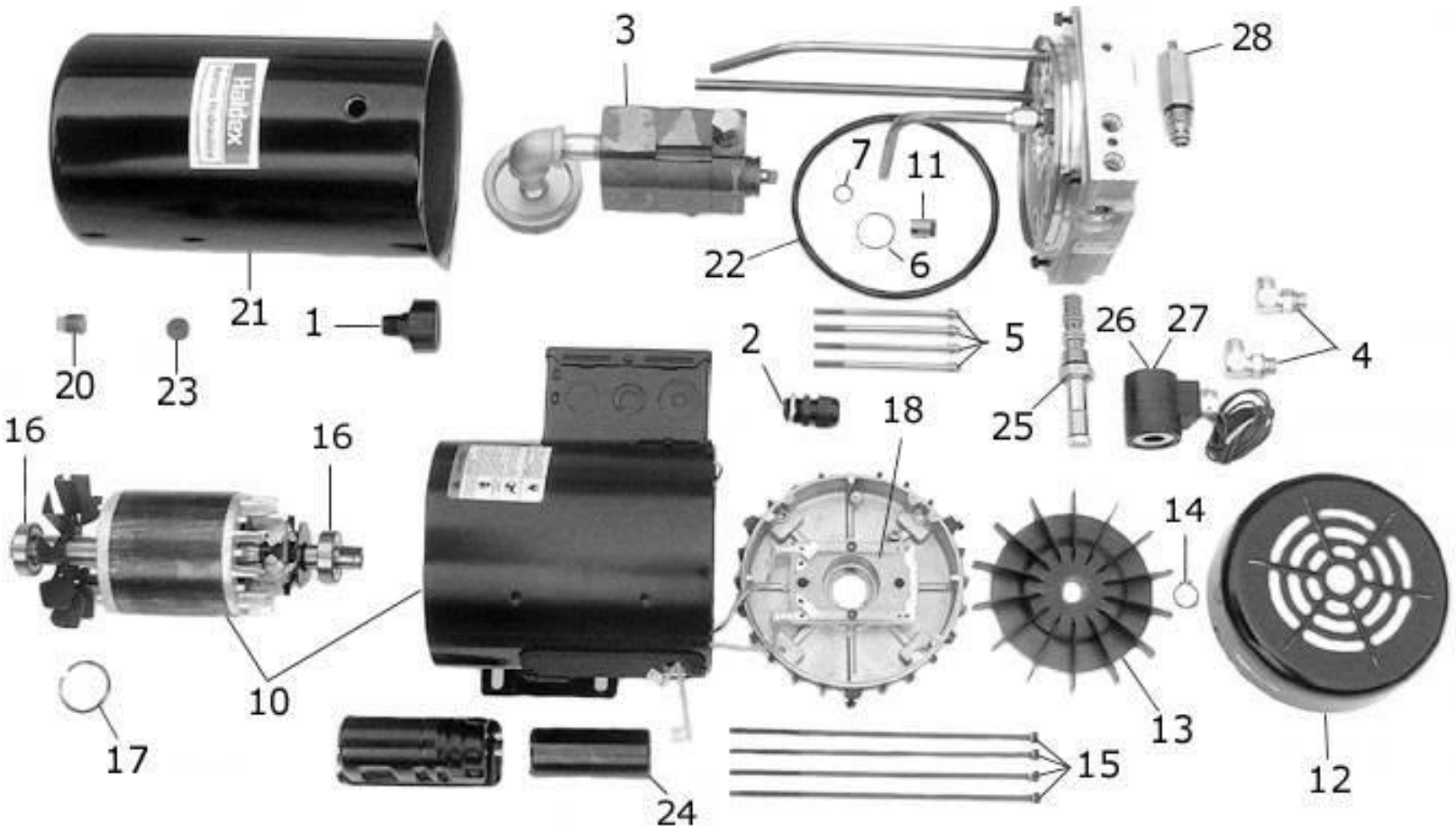
Prices subject to change without notice. Sept. 1, 2025

Index #	Description	Part #	Price/ea.	Qty Req'd
	Hydraulic cylinder – **Complete** Includes: #1, #2, #3-6, #7, #9	80430	896.00	
1	Cylinder body w/back plate	80432	486.00	1
2	Piston & rod assy.	80434	347.00	1
3-6	800 Seal Kit–**Complete SN 20275 & Down** Includes: #3, #4, #5, #6	80443	64.35	1
7	Key, ½" sq. #18380 and up	80451	14.50	1
	Key, ½" sq. #18379 and down	80452	14.50	1
8	Cutter head casting	80700	990.00	1
9	Cylinder to cutter head bolts/lock washers	80705	1.20	8
	Xxx			
11	Bar support (adjustable)	80715	25.00	1
12	Safety cover plate – FR-800-C	80721	27.64	1
13	Safety decal for cover plate	78643	.98	1
14	Safety cover plate attach screw and nut	80723	.15	2
15	Grease fitting – elbow	82548	1.94	1
16	Cutting blades 800 type / set	FAS800	85.00	1
special	Cutting blade 800 chain modified	FAS800CM	62.50	1
special	Cutting blade 801 type	FAS801	64.00	1
special	Cutting blade 801 chain modified	FAS801CM	84.00	1
17	Blade bolts & lockwashers / set	FAS800b	2.30	1
	Special tools for cylinder dis-assembly			
	Spanner wrench – flat	80461	20.00	
	Spanner wrench – extended	80462	35.00	

****800 Seal Kit includes** #3 Piston seal w/square loader ring (80436), #4 Back body seal (80438), #5 Nylon bearing (80440), #6 Rod seal (80442)

Hydraulic Power Unit

Breakdown C



Hydraulic Power Unit

Breakdown C

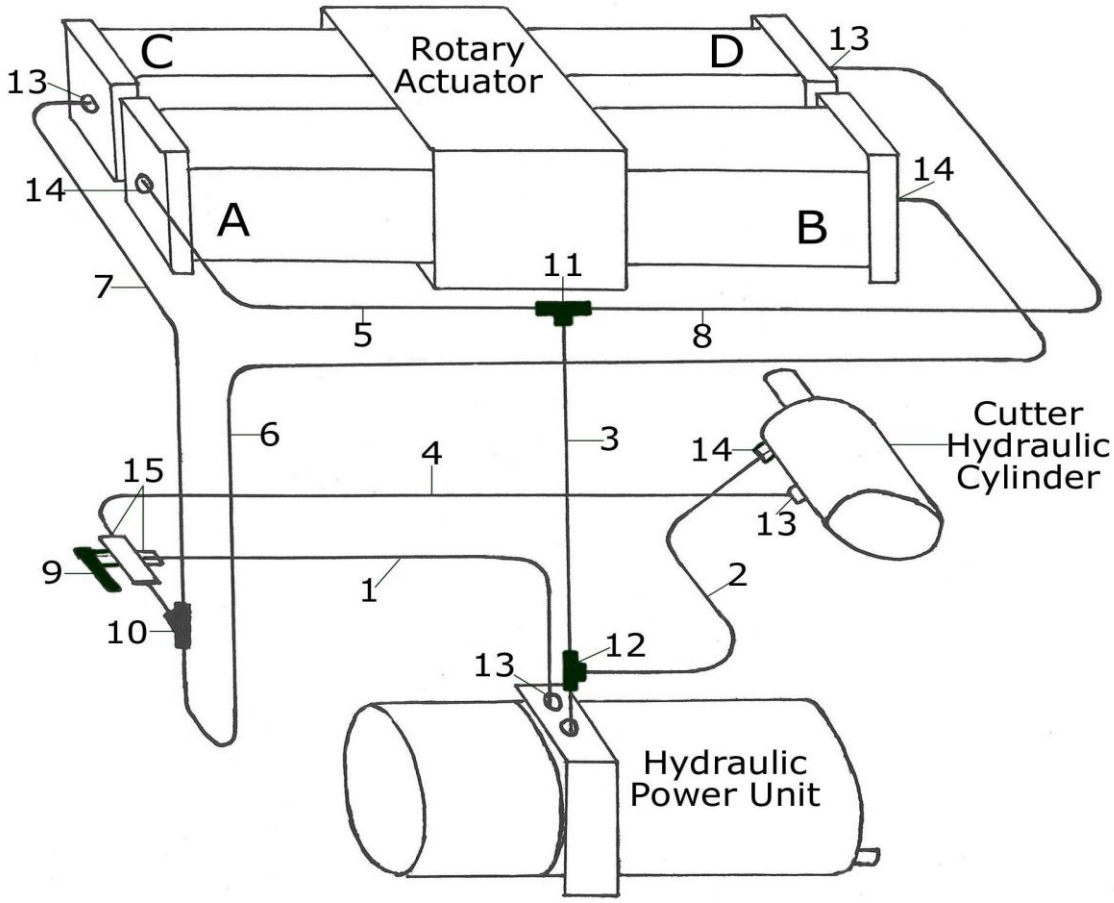
serial # 19546 and down

Prices subject to change without notice. Sept. 1, 2025

Index #	Description	Part #	Price/ea	Qty Req'd
	Hyd. Power Unit complete conversion kit for FR-800 bender only	73412	1,777.82	
	Hyd. Power Unit complete conversion kit for FR-800-C bender cutter combination	73413	1,798.62	
1	Breather cap	71062	15.00	1
2	Cord grip	71814	4.20	3
3	Hyd. Pump only	73424	575.00	1
4	Hyd. unit elbow fitting (N/A)			
5	Hyd. Pump mounting bolt	73844	2.50	4
6	Hyd. Pump oil seal o-ring	73519	.30	1
7	Hyd. Pump pressure seal o-ring	73546	.25	1
10	Electric Motor w/front adapter (800)	75706	NLA	1
11	Motor drive coupling	75715	23.48	1
12	Motor fan shroud	75721	49.00	1
13	Motor fan	75734	55.26	1
14	Motor fan retaining ring	75735	.50	1
15	Motor case thru bolt	75798	NLA	4
16	Motor shaft bearing	75872	24.00	2
17	Motor spring washer	75797	1.25	1
18	Motor starting switch	75889	59.00	1
	Oil/quart – ISO-46 hydraulic oil	76046	11.50	6
20	Oil drain plug	76245	.79	1
21	Oil tank	76406	98.00	1
22	Oil tank o-ring	76421	9.00	1
23	Oil tank magnet	76256	4.15	1
24	Starting capacitor (430-516uf)	77253	21.90	1
25	Valve, directional	78919	94.35	1
26	Valve coil, 110 VAC	78937	71.40	1
27	Valve coil, 24 VAC for 220-v unit	78938	82.40	1
	Valve coil, 24 VDC Din for Programmable unit	78939	66.00	
28	Valve, kick-down	78989	102.00	1

Hydraulic Lines & Fittings – FR-800-C

Breakdown D



FASCUT™ Model FR-800-C Rebar Fabricator

Hydraulic Lines & Fittings

Breakdown D

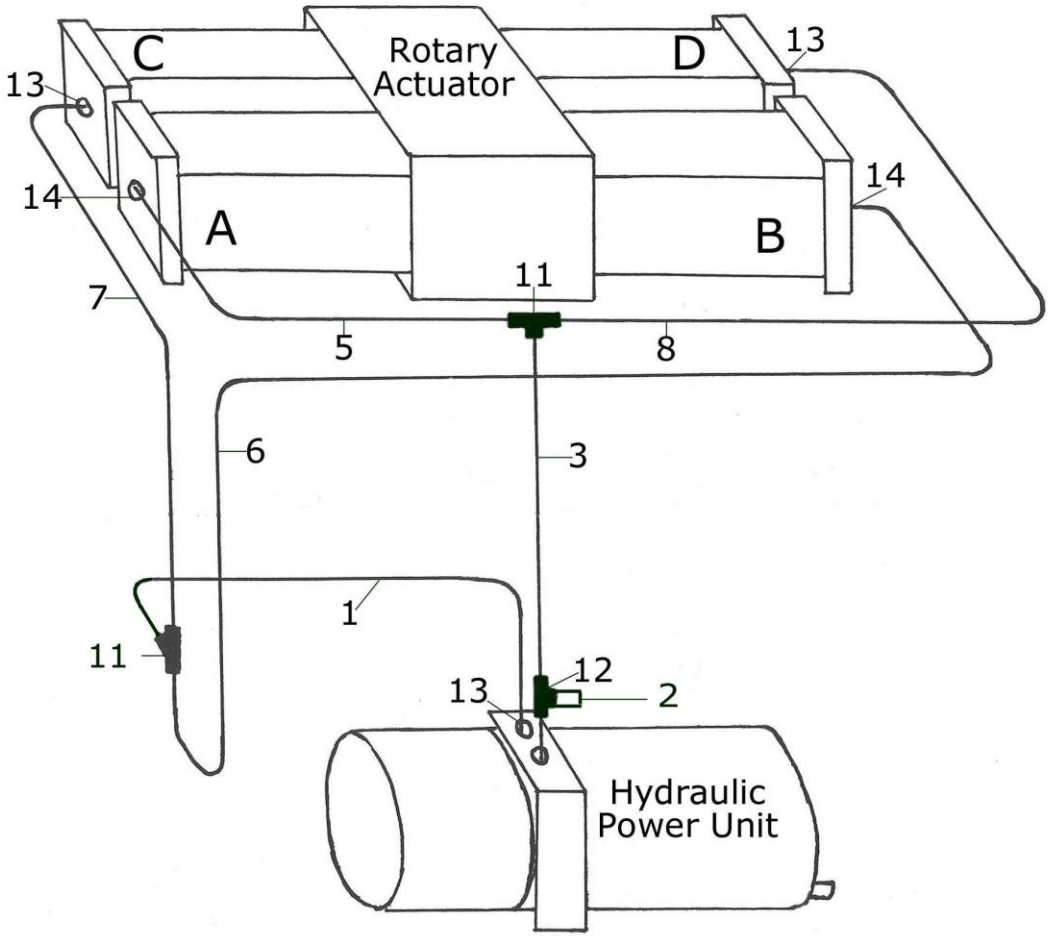
Bender/Cutter serial # 19546 and down

Prices subject to change without notice. Sept. 1, 2025

Index #	Description	Part #	Price/ea	Qty Req'd
1	Pressure line; goes from power unit to center of three-way valve	80481	16.00	1
2	Return line; goes from front port of cutter cylinder to tee in power unit	80482	16.00	1
3	Return line; goes from tee in power unit to SAE union tee	80483	16.00	1
4	Pressure line; goes from rear port of cutter cylinder to three-way valve	80484	16.00	1
5	Return line; goes from union tee to rotary actuator cylinder **A**	80485	16.00	1
6	Pressure line; goes from tee in three-way valve to rotary actuator cylinder **B**	80486	16.00	1
7	Pressure line; goes from tee in three-way valve to rotary actuator cylinder **C**	80487	16.00	1
8	Return line; goes from union tee to rotary actuator cylinder **D**	80488	16.00	1
9	Three–way valve – cut/bend selector	80623	183.60	1
10	Fitting; Male branch Tee (NPT)	73121	17.00	1
11	Fitting; Union Tee	73122	20.60	1
12	Fitting; Run Tee (SAE)	73124	31.00	1
13	Fitting; Straight connector (SAE)	73119	17.00	4
14	Fitting; Elbow (SAE)	73112	19.60	3
15	Fitting; Straight connector (NPT)	73120	17.00	2

Hydraulic Lines & Fittings – FR-800

Breakdown DD



FASCUT™ Model FR-800 Rebar Fabricator

Hydraulic Lines & Fittings

Breakdown DD

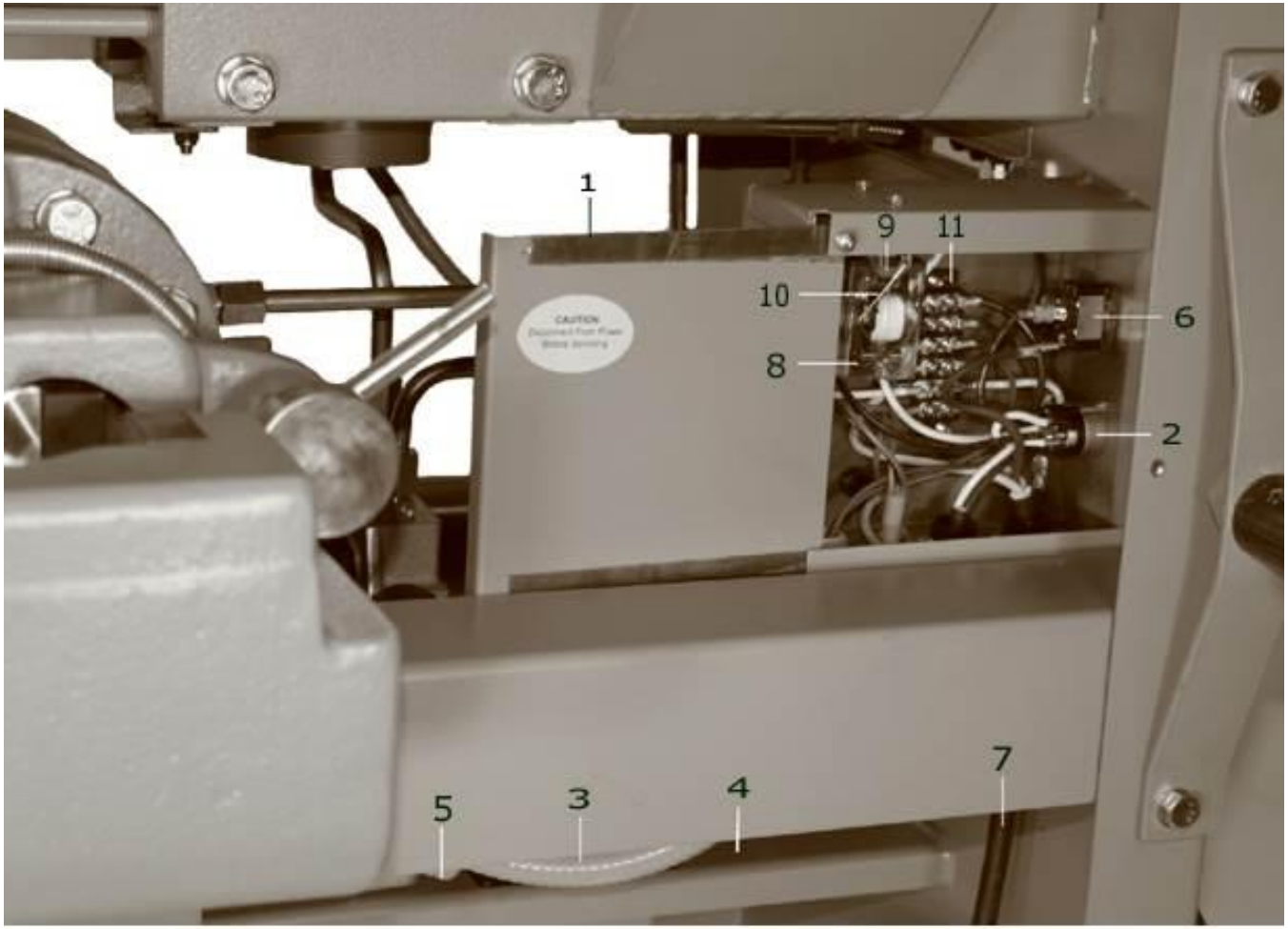
Bender Only serial# 19546 and down

Prices subject to change without notice. Sept. 1, 2025

Index #	Description	Part #	Price/ea	Qty Req'd
1	Pressure line; goes from power unit to center of union Tee	80463	16.00	1
2	Fitting; cap (SAE)	73123	3.60	1
3	Return line; goes from tee in power unit to union tee	80483	16.00	1
5	Return line; goes from union tee to rotary actuator cylinder **A**	80485	16.00	1
6	Pressure line; goes from tee in three-way valve to rotary actuator cylinder **B**	80486	16.00	1
7	Pressure line; goes from tee in three-way valve to rotary actuator cylinder **C**	80487	16.00	1
8	Return line; goes from union tee to rotary actuator cylinder **D**	80488	16.00	1
11	Fitting; Union Tee	73122	20.60	2
12	Fitting; Run Tee (SAE)	73124	31.00	1
13	Fitting; Straight connector (SAE)	73119	17.00	3
14	Fitting; Elbow (SAE)	73112	19.60	2

Electrical Components

Breakdown E



FASCUT™ Model FR-800-C & FR-800 Rebar Fabricators

Parts List

Electrical Components
Breakdown E

Prices subject to change without notice. Sept. 1, 2025

Index #	Description	Part #	Price/ea	Qty Req'd
1	Electric box cover – 600 or 800	66743	6.98	1
2	Foot pedal socket – standard	72373	35.20	1
3	Liquid Tight tubing	74488	4.50	1
4	Liquid Tight fitting – straight	74492	2.50	1
5	Liquid Tight fitting – elbow	74493	4.40	1
6	On / Off switch – 110v	76619	9.20	1
**	On / Off switch – 220v	76620	11.20	*1*
	On / Off switch boot	76633	2.97	1
7	Power cord w/plug – 110v	76745	14.80	1
	Cord grip	71814	4.20	1
8	Relay, 110v	76951	31.20	1
**	Relay, 24v	76952	31.20	*1*
9	Relay socket	76953	8.70	1
10	Relay retainer clip	76954	.84	1
11	Terminal block	77837	4.85	1
**	Transformer 24 VAC (not shown)	77875	38.00	*1*

** If wired for 220 volts

NOTE: A unit with the programmable angle control option does not have Index numbers 2,3,4,5,8,9, or 10.

Foot Pedal Control

Breakdown F



FASCUT™ Model FR-800-C & FR-800 Rebar Fabricators

Parts List

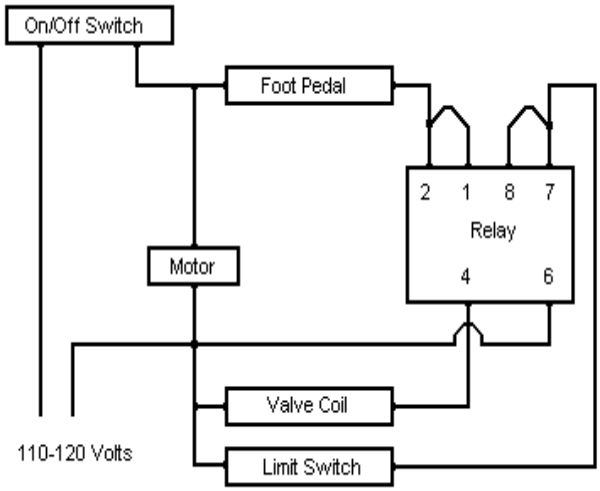
Foot Pedal Control
Breakdown F

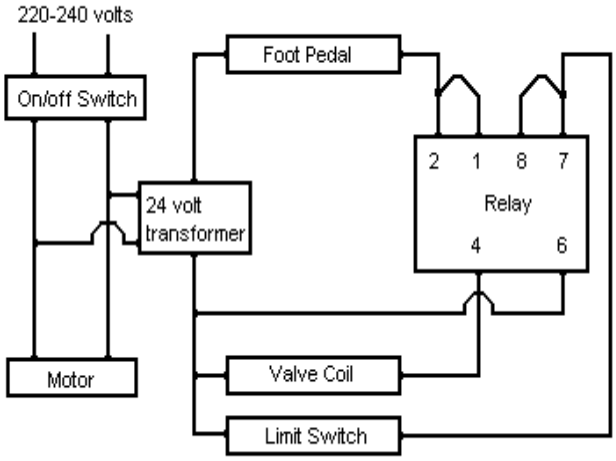
Prices subject to change without notice. Sept. 1, 2025

Index #	Description	Part #	Price/ea	Qty Req'd
	Foot pedal control – standard	72365	235.00	
	Foot pedal control – for programmable	72364	175.00	
1	Foot pedal vinyl boot	72366	19.80	1
2	Foot pedal cord w/plug – standard	72369	57.00	1
	Foot pedal cord w/plug – for programmable	72370	57.00	
3	Cord grip ½" – fits Linemaster	71814	4.20	1
4	Cord grip ¾" – fits Square D	72372	6.80	1
	Foot pedal socket – standard, breakdown E-2	72373	35.20	1
	Foot pedal socket – for programmable	72374	38.00	
5	Foot pedal switch (Linemaster Clipper) Serial number: 18573 & up	72394	16.95	1
6	Foot pedal switch (Linemaster Hercules) Serial number: 18572 & down	72395	16.95	1
7	Foot pedal switch (Square D) Yellow in color	NLA	NLA	

Linemaster foot pedals are Orange in color
Square D foot pedals are Yellow in color

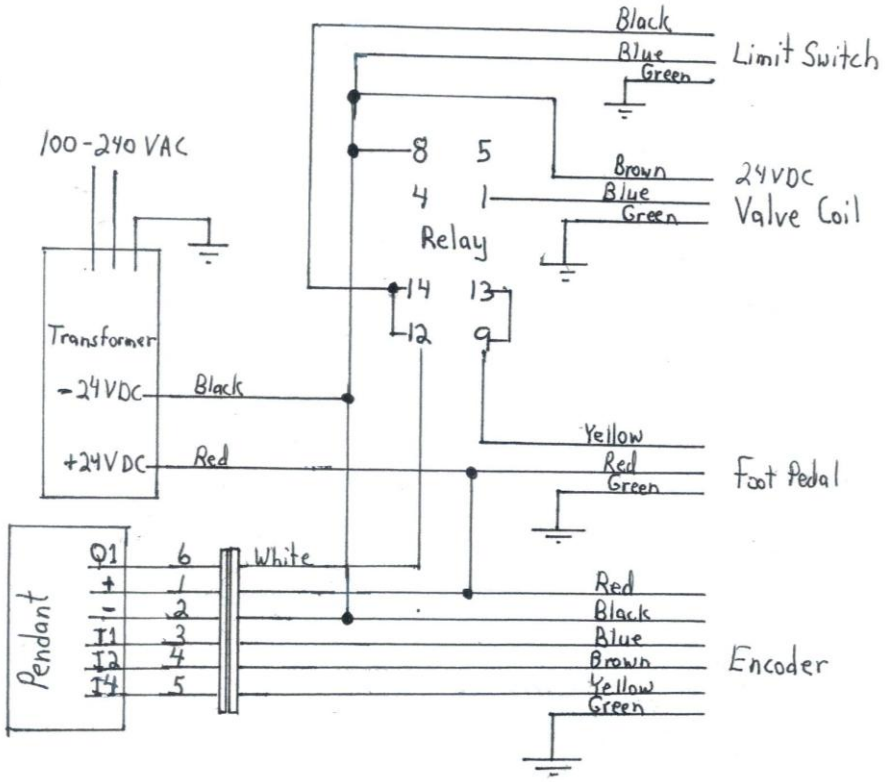
WIRING DIAGRAMS





Pressing the foot switch completes the circuit to energize the valve coil. The limit switch is spring loaded and normally open. It is triggered by a cam on the rotary disk shaft. Moving the angle adjuster from 0 deg. to 180 deg. positions the limit switch closer to or farther away from the cam. This controls how much the rotary disk must turn before it triggers the limit switch. When the limit switch is triggered, it energizes the relay which will open the valve coil circuit, causing the rotary disk to rotate back to the starting point.

Programmable Controller Wiring Diagram



TROUBLESHOOTING

TROUBLE	PROBABLE CAUSE	REMEDY
Motor will not start	1. No power to unit. 2. Power cord or plug damaged. 3. On/off switch bad. 4. Motor wire connections loose.	1. Check supply cord, fuses, or circuit breaker. 2. Replace power core w/plug. 3. Replace on/off switch. 4. Tighten motor wire connections.
Motor hums, then blows circuit breaker, or motor is smoking	1. Extension cord too long or not heavy enough. 2. Starting capacitor bad. 3. Starting switch bad. 4. Generator too small. 5. Generator running at idle before starting unit. 6. Motor windings burnt out.	1. Extension cord must be min. 12 gauge wire and no longer than 100 feet. 2. Replace starting capacitor. 3. Replace starting switch. 4. Use a 5 KW generator or larger. 5. Turn off or disconnect idle down feature. 6. Replace motor.
Motor runs, but nothing happens when foot pedal is depressed.	1. Relay has fallen out of its socket. 2. Relay socket is broken. 3. Bend angle adjuster is moved over to “0” degrees. 4. Limit switch is bad. 5. Relay is bad. 6. Foot pedal cord or plug is damaged. 7. Jack is bad. 8. Switch inside foot pedal is bad. 9. Loose wire. 10. Valve coil is bad. 11. Directional valve is bad.	1. Plug relay back into socket. 2. Replace relay socket. 3. Move the bend angle adjuster away from “0” degrees. 4. Replace limit switch. 5. Replace relay. 6. Replace foot pedal cord w/plug. 7. Replace jack. 8. Replace inside switch. 9. Check all wiring for loose connections. 10. Replace valve coil. 11. Replace directional valve.
Cutting blade bolts breaking	1. Cutting blade bolts are loose. 2. Cutting blades are dull.	1. Retighten blade bolts regularly. 2. Turn blades to new cutting edge or replace blades.

Cutting blades breaking	1. Blades are dull. 2. Blade bolts are loose. 3. Rebar is being dropped into the cutter. 4. You are cutting “no grade” steel 5. Bar is being cut on the top corner of the cutting blade	1. Turn blades to a new edge sooner. 2. Check blade bolts for tightness more often. 3. Place rebar into the cutter with greater care. 4. Only cut grade 40 or grade 60 rebar. 5. Bar must rest on the bottom of the cutter opening.
Oil is leaking	1. Hydraulic tubes and fittings are loose or damaged. 2. Hydraulic cylinder body seals or rod seal is leaking. 3. Oil is leaking from rotary actuator.	1. Check fittings for tightness. Replace damaged fittings or tube. 2. Install new body and/or rod seals in hydraulic cylinder. 3. Install new seals and o-rings in rotary actuator.
Bending or Cutting is slow and lacks power	1. Oil level is low. 2. Oil is contaminated. 3. Hydraulic pump is worn.	1. Add oil to tank. 2. Drain and refill oil tank with fresh ISO-46 hydraulic oil. 3. Replace hydraulic pump.

FASCUT® LLC

LIMITED WARRANTY

This product has been thoroughly inspected and tested before leaving the factory. It is guaranteed against defective workmanship and materials for a period of 1 year to the original owner. Should any trouble develop, return defective part transportation prepaid to the factory. If inspection shows trouble is caused by defective workmanship or material, all repairs will be made without charge and returned, transportation prepaid. The guarantee does not apply where: repairs or attempted repairs have been made by persons other than the factory; repairs are due to normal wear; the tool has been abused or in an accident; misuse is evident – caused by overloading the tool beyond its rated capacity; use on improper voltage or current; use of the tool after partial failure or use with improper accessories.

This warranty is in lieu of all other warranties, expressed or implied, and there are no warranties on merchantability or fitness for a particular purpose. In no event shall seller be liable for incidental, consequential or special damages. This warrantee is void if Warrantee/Registration card is not filled out and returned. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

SERIAL NUMBER _____ DATE _____

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