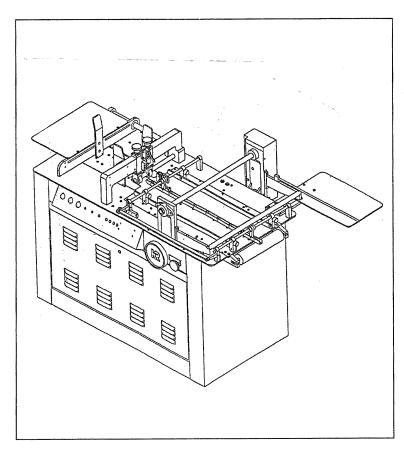
Kirk-Rudy, Inc. Instruction and Parts Manual 215 Labeling Base



Manufactured by Kirk-Rudy, Inc.

Before using this machine, all operators must study this manual to understand and follow the <u>safety warnings and instructions</u>. Keep these instructions with the machine for future reference. If you have any questions, contact your local Kirk-Rudy, Inc. Distributor.

TABLE OF CONTENTS

<u>SECTION</u>	DESCRIPTION			
1	IMPORTANT SAFETY INSTRUCTIONS			
2	SPECIFICATIONS	4		
3	INSTALLATION 3.1 OPERATOR CONTROLS 3.2 FEED HOPPER SET-UP 3.3 TABLETOP SET-UP 3.4 CONVEYOR 3.5 11" AND 22" SPACING	5 6 7 8 9		
4	MECHANICAL PARTS AND DIAGRAMS	10		
5	NOTES 20			
6	WARRANTY AND SERVICE INFORMATION	BACK COVER		

NOTE: FIGURES AND DIAGRAMS ARE NOT INCLUDED IN PAGE NUMBERS.

1 Important Safety Instructions

SAVE THESE INSTRUCTIONS. Read all instructions before using this product.



WARNING

- * NEVER OPERATE THE MACHINE WITHOUT ALL GUARDS OR SAFETY DEVICES IN PLACE.
- * ALWAYS TURN POWER OFF WHEN MAKING ADJUSTMENTS.
- * ALWAYS DISCONNECT THE POWER SUPPLY BEFORE ANY MAINTENANCE OR SERVICE WORK.
- * NEVER START THE MACHINE WITHOUT FIRST CHECKING ALL PERSONNEL ARE CLEAR OF MOVING PARTS.
- * KEEP FINGERS CLEAR OF ALL MOVING PARTS.
- * NEVER REMOVE THE PRODUCT FROM THE MACHINE WHILE MACHINE IS RUNNING.
- * SHOULD MISFED PRODUCT JAM THE MACHINE AND STOP IT FROM RUNNING, ALWAYS PRESS THE STOP BUTTON BEFORE CLEARING PRODUCT. IF THE STOP BUTTON IS NOT PRESSED AND THE JAM IS CLEARED, THE MACHINE WILL BEGIN RUNNING.
- * IT IS NOT RECOMMENDED THAT LOOSE CLOTHING, JEWELRY AND LONG HAIR BE WORN WHILE OPERATING THIS MACHINERY.
- * ALWAYS USE AN EXPERIENCED ELECTRICIAN WHEN TROUBLE-SHOOTING ELECTRICAL PROBLEMS.
- * CHANGES OR MODIFICATIONS TO THIS UNIT NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

NOTE: THIS EQUIPMENT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR A CLASS A DIGITAL DEVICE, PURSUANT TO PART 15 OF THE FCC RULES. THESE LIMITS ARE DESIGNED TO PROVIDE REASONABLE PROTECTION AGAINST HARMFUL INTERFERENCE WHEN RADIO FREQUENCY ENERGY AND, IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTION MANUAL, MAY CAUSE HARMFUL INTERFERENCE TO RADIO COMMUNICATIONS. OPERATION OF THIS EQUIPMENT IN A RESIDENTIAL AREA IS LIKELY TO CAUSE HARMFUL INTERFERENCE IN WHICH CASE THE USER WILL BE REQUIRED TO CORRECT THE INTERFERENCE AT HIS OWN EXPENSE. SHIELDED CABLES MUST BE USED WITH THIS UNIT TO ENSURE COMPLIANCE WITH THE FCC CLASS A LIMITS.

2 SPECIFICATIONS

Mailing Piece Size Range	English	Metric
Minimum Size:	3"wide x 5"long	
Maximum Size:	17" wide x 16" long	
Minimum Thickness:	Card Stock (.007")	
Maximum Thickness:	5/8"	
Machine Data	English	Metric
	English 60"	WICHIC
Length:		
Width:	28 1/2"	
Height:	43 1/4"	
Weight:	pounds	
Conveyor Data	English	Metric
Length:	8 foot or 12 foot	
Width:	16"	
Height:	30"	
Weight:	pounds	
Electrical		
Main Power:	220 volt, single phase,	60 cylce, a.c. 25 amps
Drive Motor:	1 H.P.	<u>-</u>
Vaccuum Pump:	1/2 H.P	
Conveyor Motor:	1/4 H.P.	
Plugs:		ncluded with machine. The female
	end is plugged into the	recessed receptacle at the lower
	1 00	the machine base. The 3-prong
	,	to the main power supply. The
	, 55	with two line plugs - (1) The 3-pron
	• • • • • • • • • • • • • • • • • • • •	• • • • • •
		ing receptacle at lower rear of the
		the 7-prong plug engages the
	receptacle directly belo	ow the aforementioned.

3 INSTALLATION

3.1 Operator Controls

- A. <u>Main Power Switch:</u> when this 2-position switch is depressed source voltage is applied to the electrical panel and the main drive motor will operate when the jog or start buttons are depressed.
- B. Vacuum Switch, Feeder: depress this switch to actuate the feeder vacuum pump.
- C. Vacuum Switch, Label Head: this switch actuates the label head vacuum system.
- D. Conveyor Switch: this switch has 3 positions; (1) in the up position the conveyor will operate when the base machine is cycled; (2) in the down position the conveyor runs all the time; and (3) in the center position the conveyor will not operate at all.
- E. <u>Start Switch (green)</u>: continuous machine operation is achieved by depressing this switch button momentarily and releasing.
- F. <u>Jog Switch (blue)</u>: the machine can be inched or jogged by depressing and releasing this switch—the machine will continue to cycle if this button is held depressed.
- G. <u>Stop Switch (red)</u>: machine operation can be manually stopped by depressing stop button on the operator panel or the button on the left panel of the conveyor.
- H. <u>Speed Control</u>, <u>Drive Motor</u>: machine speed can be varied by turning the rheostat knob (clockwise to increase, counterclockwise to decrease).
 - NOTE: Maximum speed of 15,000/hour on 22" spacing and 30,000 on 11" spacing can be attained. Turning this knob fully counterclockwise will rotate the machine close to zero revolutions.
- I. <u>Speed Control, Conveyor</u>: the center rheostat knob controls the speed of the belts on the conveyor. When the main drive motor speed is set at a convenient range to continually replenish mailing pieces in the feed hopper and for zip code sorting requirements, the conveyor speed should be adjusted for required mailing piece overlap. Turn knob clockwise to increase belt speed, counterclockwise to decrease.
- J. <u>Photocell Detector Control</u>: the potentiometer knob on the right controls the light source intensity to the photoelectric cell. Refer to "Label Head Throw-Out" adjustments under 4-F.
- K. Indicator Lights: the four red lenses (from left to right):
 - #1 main power on.
 - #2 feeder vacuum pump
 - #3 label head vacuum pump on
 - #4 this light will glow when a misfeed occurs on the mailing piece-the label head throw out circuit is activated.
- L. <u>Counter:</u> the 6 digit electric counter will register for each mailing piece run through the machine. Failure to feed a mailing piece will actuate the label head throw-out deactivate the counter circuit. The counter can be manually reset to zero by rotating the knurled knob upward.
- M. Hand Wheel: to turn the machine by hand rotate this wheel clockwise.
- N. <u>Label Head Height Adjustment:</u> rotate this knob clockwise to raise the label head, counter-clockwise to lower.
- O. <u>Safety Features</u>, <u>Electrical</u>: all motor units one fully protected as follows:

- 1. Main drive motor: the solid state component board mounted inside the electrical panel on the lower right hand side has a 8 amp cartridge fuse-the main drive motor will not operate with this fuse blown.
- 2. Conveyor drive motor: the solid state component board mounted inside the electrical panel on the lower left side has a 4 amp cartridge fuse-check this fuse if conveyor motor does not operate.
- 3. Vacuum Pump Motors: mounted on the outside of the electrical panel (adjacent to the main power switch) are two 30 amp circuit breakers-electrical malfunction in the vacuum pump(s) will cause the circuit breaker to protrude from its mounting. The circuit breaker can be reset following a 3-minute waiting period-depress and hold button for a few seconds.

CAUTION: Persistent electrical malfunction in any of the aforementioned components should be referred to a qualified service representative.

3.2 Feed Hopper Set-up

- A. Vacuum Plates: three vacuum plates are furnished with your machine:
 - 1. Deep hollow-used for light material: e.g., envelopes cards, etc.-material that will conform to the deep, concave depression when vacuum is applied.
 - 2. Shallow hollow-for medium weight material; e.g., self-mailers, light newspapers, folded sheets pamphlets, etc.-material that will conform into the shallow concave depression when vacuum is applied.
 - 3. Flat-for heavy material such as catalogs, booklets, magazines, etc.
 - Select the proper vacuum plate using the aforementioned as a guide-inherent peculiarities in some mailing piece stocks might require interchanging the vacuum feed plates to achieve optimum feed operation. The vacuum plate is mounted to the feed shuttle by two Allen cap screws-clean all foreign material from the bottom of the vacuum plate and the shuttle mounting block before mounting. A light coating of grease on the bottom periphery of the vacuum plate is usually helpful to insure a good vacuum seal.
- B. <u>Side Guides:</u> loosen thumbscrews and move feeder side guides to allow approximately 1/8" clearance between the face of the guides and the mailing piece. NOTE: the mailing piece should be centered with the gate and upper feed rollers when possible.
- C. <u>Jogger Tables</u>: insert a few mailing pieces between the side guides (front edge flush with the gate) and move the jogger table until the vertical back plate is approximately 1/8" behind the rear edge of the mailing pieces. The jogger table is easily traversed along its mounting bar by pushing in the area of the jogger table hand screw.
- D. <u>Pusher Blocks</u>: two pusher assemblies are provided to assist in feeding heavy material when vacuum alone will not suffice. To adjust—rotate machine by hand until feed table has reached its extreme rear travel loosen front allen holding screws and slide pusher block assemblies until pusher "lip" is ¼" from rear of mailing piece and by turning the rear pusher block allen screws counterclockwise the front edge of the spring-loaded pusher "lip" can be raised-adjust height of lip to approximately one half the thickness of an individual mailing piece.

- E. <u>Lifter Fingers:</u> two lifter finger assemblies are provided to assist in feeding wide, limp material (e.g., tabloids, newspaper stock, etc.) more effectively. The lifter fingers give this type material more rigidity at the gate separation area. To adjust, loosen retaining nuts thereby permitting movement of the fingers laterally in their respective slots on the jogger plate and up and down in the hex head bolt assemblies. Position each finger approximately ¼ to 1/3 in from the edge of the mailing piece and raise to within ½ to 1" from feed table.
 - NOTE: Lifter fingers should always be at least 1/8" above feed table.
- F. Gate: loosen the 3/8" locknut holding the gate adjusting knob secure-to raise the gate turn the knob counterclockwise, clockwise to lower. With mailing pieces in the feed hopper and feeder vacuum pump on, rotate machine by hand until feed table has just started its forward travel-at this point adjust gate to allow one piece to feed while restricting movement of other pieces. Check under operation and adjust gate up or down accordingly.
- G. <u>Upper Feed Rollers</u>: with mailing pieces in feed hopper and feeder vacuum pump actuated, rotate machine by hand until the feeder vacuum releases and the lower feed rollers make contact with the mailing piece. At this point sufficient pressure should be exerted from the upper feed roller to propel the mailing piece onto the tabletop. Loosen the upper feed roller locking collars and turn the feed roller adjusting knobs (clockwise for more pressure, counterclockwise for less feed roller pressure). It is important that both feed rollers exert even pressure on mailing piece-"fish-tailing" from feed hopper indicates uneven feed roller pressure).

NOTE:Upper feed roller adjustment should be checked from job to job. However, in many cases adjustment is not necessary for minimal changes in mailing piece thickness.

3.3 Tabletop Set-up

- A. <u>Side Guides:</u> position side guides to within 1/8" of mailing piece as it is propelled across entire tabletop. Rotate the two knurled hand knobs at each end of the side guides and rotate ½ turn counterclockwise to allow movement of guides--to lock, rotate knobs clockwise while twisting with slight pressure. Each side guide can be pivoted left to right by loosening the allen screws in side guide mounting blocks-when pivoted the guide will raise and allow clearance between table belts and label head pressure rollers. (Caution: Do not position guides directly over table belt(s) or label head pressure roller(s). The guide mounting screws can be left slightly loose for faster set-up when guide movement is required.
- B. <u>Table Belts:</u> in most cases only two belts are required one on each side of the timing chain. To position, loosen hand knob on belt guide (inside machine base) and move belt guide to desired position while jogging machine. The belts will automatically position themselves when moving belt guides. Exercise caution while moving belt guides.
 - IMPORTANT: A table belt, at all times, must be positioned under skid bar/jam detector.
- C. <u>Timing Chain</u>: with proper feed hopper and table top set up, the lead edge of the mailing piece should contact the timing chain lug within approximately 5" of lug travel in timing chain table top cut out. A 3/8" access hole on the tabletop is provided for timing chain adjustment. Loosen the two allen set screws retaining timing chain

- drive sprocket (mounted on split, belt roller shaft) and rotate timing to desired position by turning hand wheel.
- D. <u>Skid Bar/ Jam Detector:</u> this assembly provides drive momentum of mailing piece across table top and jam detection from feed hopper to conveyor. In most cases, the skid bar/jam detector will be positioned on either side of the timing chain-over a table belt. To relocate, loosen two retaining collars at conveyor end and collar and jam switch bracket at feed hopper end. The entire assembly must pivot freely, with no perceptible binds.
 - 1. <u>Skid Bar Adjustment:</u> position a mailing piece between the skid bar roller and table switch bracket rotate bracket until skid rollers are resting lightly on mailing piece-tighten cap screw. The roll pin mounted in the jam switch bracket engages skid bar pivoting arm to allow more or less clearance between skid rollers and mailing piece when pivoted.
 - 2. <u>Jam Detector Adjustment:</u> position a single mailing piece between skid rollers and table belt-turn hand knob on the skid bar pivoting arm until jam switch just opens (you should hear an audible click)-rotate hand knob one full turn clockwise and check under operation. When set properly, the machine will run automatically while single mailing pieces are feeding, and stop when more than one is fed through the machine.
- E. <u>Label Head Pressure Rollers:</u> two, free-turning rubber rollers are provided (one on each side of timing chain) to provide support of mailing piece when label pad makes contact. The pressure rollers can be moved laterally across the shaft by loosening the Allen set screw-position directly under the label pad. Tighten pressure roller set screw on <u>flat</u> of shaft only.
- F. <u>Label Head Throw-Out:</u> after label head position (refer to label selection) has been established the label head throw-out can be adjusted. With feeder vacuum pump actuated, rotate the machine by hand until the lead edge of a mailing piece has traveled past photo cell light source by approximately 2"-at this point the label head throw-out cam should be just rotating to its high point. Loosen cam set screw and rotate to proper position. Remove mailing piece from between photo cell and light source manually close the label head throw-out switch and rotate the light source potentiometer knob (mounted to the right of the operator panel) clockwise until the throw-out solenoid energizes. Adjust properly, labels will not feed when mailing piece does not feed.

3.4 Conveyor

A. <u>Position:</u> the 8 foot or 12 foot conveyor can be positioned at right angle, left angle or straight from base machine. The conveyor deflection plate and back plate mounting bracket are interchangeable on either side of the conveyor for right and left angle position. An optional, roller assembly is available for straight delivery.

IMPORTANT: Allow a minimum of ½" clearance between conveyor defector plate and table roller on machine base.

B. <u>Height:</u> the conveyor is mounted on castors for maneuverability. When in position, turn the height adjusting bolts into their respective base plates-turn clockwise to raise conveyor to desired height.

- C. <u>Belt Position</u>: each belt is driven by crown rollers and can be relocated by loosening a single set screw in the roller-tighten set screw on flat of shaft only. In most cases two belts are sufficient to propel mailing pieces across conveyor tabletop.
- D. <u>Deflector Plate:</u> this unit can be moved up or down in its respective mounting slots by loosening the two hexhead bolts. Adjust height so plate is approximately 2" from conveyor top.
- E. <u>Back Plate:</u> loosen two hand knobs and position face of back plate to within ¼" of mailing piece on conveyor. This dimension might be varied slightly depending on size consistency of mailing pieces.
- F. <u>Knock Downs:</u> two knock down assemblies are provided t guide mailing pieces into shingling mode on conveyor. The knock down rods can be positioned up or down by loosening the hand knobs in the rod mounting blocks knock down spring pressure can be increased by turning the spring adjusting knobs clockwise.

NOTE: Set speed of the base machine and conveyor before adjusting knock downs.

3.5 11" and 22" Spacing

- A. <u>Specifications:</u> when utilizing the 11" (hi-speed) spacing feature, the mailing piece should not exceed 10 ½" in length-maximum length on 22" spacing is 16".
- B. Speed Ranges:
 - 11" spacing up to 30,000/hour 22" spacing up to 15,000/hour
- C. <u>Gear Change, Base:</u> remove the access panel at the rear, back of the machine base. The center (48) tooth idler gear is common to 11" and 22" spacing. When repositioning this gear be sure the spacer ring (behind gear) is used. The smaller (20 tooth) gear is mounted on the keyed shaft to the left of the idler gear when using 22" spacing-the larger (40 tooth) gear is mounted to this same shaft when using 11" spacing. Tighten two Allen set screws securely.
- D. <u>Timing Chains:</u> the timing chain with 2 lugs is used for 22" spacing and the 4 lug chain is used on 11" spacing. To replace chain-rotate machine until a timing lug is centered in label head pressure roller opening, loosen bolt retaining chain idler sprocket (at conveyor end) so chain is slack and remove spring clip, chain link and lug. To mount new chain, reverse the above procedure. Adjust chain lug timing as explained in 4-C.
- E. <u>Gear Change, Label Head:</u> internal gear ratios are changed by pivoting the 11" and 22" spacing lever at the rear of the label head. Remove the allen cap screw and pivot lever to the left (while facing rear of label head) hole for 11" spacing-use right hole for 22" spacing. Replace Allen cap screw.
- F. <u>Vacuum Adjustment:</u> One vacuum pad is used on 22" spacing and both are used for 11" spacing. When using 22" spacing, turn vacuum off one pad as follows---insert allen wrench into the access hole drilled into the vacuum pad face plate and turn screw clockwise to stop.

4 PARTS LISTS AND DIAGRAMS

1 100109 BUSHING, SLEEVE 1.00	
2 100131 BUSHING, SLEEVE .250	
3 100145 BUSHING, SLEEVE .625	
4 100162 BUSHING, SLEEVE .500	
5 100302 BUSHING, FLANGE .375	
6 100309 BUSHING, FLANGE .250	
7 100323 BUSHING, FLANGE .500	
8 100401 WASHER, THRUST .250	
9 100409 WASHER, BRASS .266	
10 100601 WASHER, FLAT .375	
11 100800 JOINT, UNIV (W/O KWY)	
12 100800-1 JOINT, UNIV (W/KWY)	
13 100900 GEAR, WORM	
14 100900-1 WORM	
15 101100 BEARING, ONE-WAY .375	
16 101707 GEAR, 2048 1.000	
17 101708 GEAR, 2072 1.000	
18 101913 GEAR, 1620 .625	
19 101914 GEAR, 1640 .625	
20 101915 GEAR, 1628 0750	
21 101916 GEAR, 1628 .625	
22 101917 GEAR, 1621 .625	
23 101918 GEAR, 1648 1.750	
24 101919 GEAR, 1648 1.125	
25 101920 GEAR, 1656 .625	
26 102108 HANDWHEEL	
27 102112 KNOB	
28 102114 KNOB	
29 102114 KNOB, ADAPTER	
30 102117 KNOB	
31 102119 KNOB	
32 102200 COLLAR, .375	
33 102201 COLLAR, .625	
34 102205 COLLAR, .500	
35 102225 COLLAR, STOP	

Item	Qty	Part #	Description
36		102307	SPACER
37		102601	SPRING, NEEDLE
38		102672	SPACER, SIDE PLATE
39		102700	SPRING, COIL
40		102701	SPRING, COIL
41		103106	BEARING, FLAT .375
42		103108	BEARING, FLAT .500
43		103110	BEARING, FLAT .625
44		103112	BEARING, FLAT
45		103405	FOLLOWER, CAM .750
46		103500	BEARING, ROD END .375
47		103610	BEARING, FLANGE 1.000
48		103803	BEARING, HUB .500
49		103804	BEARING, HUB .625
50		103810	BEARING, FLAT .313
51		104106	RING, RETAINING .500
52		104400	BOLT, MACHINE
53		105000	PULLEY, V-BELT .750
54		105210	PIN, ROLL .125
55		105419	PIN, DOWEL .188
56		105601	SHAFT, THREADED 5/16-18
57		105602	SHAFT, THREADED 10-32
58		105901	BELT, FLAT .750x68.750
59		107400	SCREW, SOCKET HEAD
60		108811	PULLEY, 14L100 TIMING
61		108812	PULLEY, 19L100 TIMING
62		108813	PULLEY, 28L100 TIMING
63		108901	BELT, HEAD DRIVE TIMING
64		109502	JUNCTION, 5-WAY
65		109503	TUBING, COPPER OIL/PER FOOT
66		109512	JUNCTION, 3-WAY
67		109515	TUBING, NYLON OIL/PER FOOT
68		109517	NUT, COMPRESSION
69		109518	SLEEVE, COMPRESSION
70		109521	METER UNIT, OIL

Item	Qty	Part #	Description
71		109522	METER UNIT, OIL
72		109523	JUNCTION, 2-WAY
73		109524	JUNCTION, 3-WAY
74		109528	NUT, COMPRESSION FEMALE
75		109537	SLEEVE, COMPRESSION SINGLE
76		110000	CHAIN 11" SPACING
77		110002	CHAIN, HEAD DRIVE
78		190660	NIPPLE, 1/4-18NPT VAC TUBING
79		190669	CASTER, 3.500 RIGID
80		190670	CASTER, 3.500 SWIVEL
81		190685	LEVER, QUICK RELEASE
82		190689	LATCH DOOR
83		200100-01	GAGE, VACUUM PUMP AA640
84		200100-02	FILTER, VACUUM PUMP AC393
85		200100-03	JAR, VACUUM PUMP AA805
86		200100-10	SOLVENT, FLUSHING VAC AH255
87		200100-11	INTAKE ASSEMBLY, VAC AB599
88		200100-13	NIPPLE, .375x2.00 VACUUM
89		200100-14	ELBOW, VACUUM AF272
90		200100-16	CAP, END VACUUM AC391
91		200100-21	NIPPLE, .375x4.00 VACUUM
92		200100-22	COUPLING, .375x1.00 VAC PUMP
93		200100-23	PLUG, .250 VACUUM PUMP
94		200100-26	COVER, VACUUM AV805A
95		200100-9A	FILTER ASSEMBLY, VAC AC433-1
96		200102	VALVE, VACUUM AA840
97		200108	STUD, VACUUM
98		200109	CAP, END VACUUM AC394
99		200111	GASKET, JAR AA405
100		200122	MOUNT, 1/4-20 VIBRATION
101		200124	PUMP, VACUUM MODEL 823
102		200120-01	SERVICE KIT, VACUUM K479
103		200124-02	FELT, VACUUM AK524
104		110003	CHAIN, 22" SPACING
105		110004	CHAIN, HANDWHEEL

Item	Qty	Part #	Description
106		110010	CHAIN, MASTER LINK
107		110101	SPROCKET, 25B14
108		110103	SPROCKET, 25B22
109		110104	SPROCKET, 25B22
110		110200	SPROCKET, 35B19
111		110201	SPROCKET, 35B20
112		110202	SPROCKET, 35B20
113		110204	SPROCKET, 35B28
114		110208	SPROCKET, 35B15
115		190100	MICROSWITCH, ROLLER
116		190101	MICROSWITCH, LEVER
117		190202	BUSHING, PLASTIC
118		190203	COVER, MICROSWITCH
119		190244	BULB
120		190245	SOCKET, LAMP
121		190246	LENS, RED OR WHITE
122		190600	SPIDER, POLY-TEX
123		190604	NIPPLE, 1/4-18 NPT VAC TUBING
124		190606	ELBOW, 1/4NTP
125		190634	PAD, MACHINE
126		190636-1	SPACER, OIL PUMP
127		190637	PUMP, OIL
128		190656	NEEDLE
129		200124-03	VANE, VACUUM AK513
130		200124-04	CAP, END VACUUM AK510
131		200121-05	MUFFLER, VACUUM AK840
132		200124-06	O-RING, VACUUM AK473
133		200124-12	CAPACITOR, STARTING VAC PUM
134		200317	RELIEF, STRAIN
135		200429	SOCKET, 2-PIN
136		200431	SOCKET, 6-PIN
137		202244	SWITCH, BEAM
138		202246	REFLECTOR, CIRCULAR FE-RR4
139		500368	CAM, BELT TAKE-UP
140		500701-1L	FRAME, 20" EXT. L/H SIDE

Item	Qty	Part #	Description
141		500701-1R	FRAME, 20" EXT. R/H SIDE
142		500701-L	FRAME, L/H SIDE
143		500701-R	FRAME, R/H SIDE
144		500702-1L	TABLETOP, LH WIDE SHUTTLE
145		500702-1R	TABLETOP, RH WIDE SHUTTLE
146		500702-L	TABLETOP, LH NARROW SHUTTL
147		500702-R	TABLETOP, RH NARROW SHUTTL
148		500703	TABLETOP, CENTER
149		500704	BRIDGE, FEEDER
150		500705	TABLETOP, SHUTTLE NARROW
151		500705-1	TABLETOP, SHUTTLE
152		500707	HOUSING, BELT GUARD
153		500708	BODY, VACUUM VALVE
154		500709-1	PLATE, FLAT VACUUM
155		500709-2	PLATE, SHALLOW VACUUM
156		500709-3	PLATE, DEEP VACUUM
157		500709-4	PLATE, CONVEX VACUUM
158		500710	BRACKET, FEEDER SUPPORT
159		500711	BRACKET, HEAD ADJ RH
160		500712	BRACKET, HEAD ADJ LH
161		500713-L	BRACKET, HEAD SUPPORT L/H
162		500713-R	BRACKET, HEAD SUPPORT R/H
163		500714	GUIDE, REAR BRIDGE
164		500715	GUIDE, REAR CENTER
165		500716	BRACKET, BELT TAKE-UP
166		500717	ARM-HEAD SUPPORT
167		500718	HUB, BEARING SHAFT
168		500719	HOUSING, WORM GEAR
169		500720	PLATE, GUIDE SUPPORT
170		500721	BRACKET, TOP PLATE SUPPORT
171		500722 - L	RAIL, L/H GUIDE
172		500722-R	RAIL, R/H GUIDE
173		500723	BAR, SKID
174		500724	PLATE, CHAIN GUIDE
175		500715	GUIDE, BELT

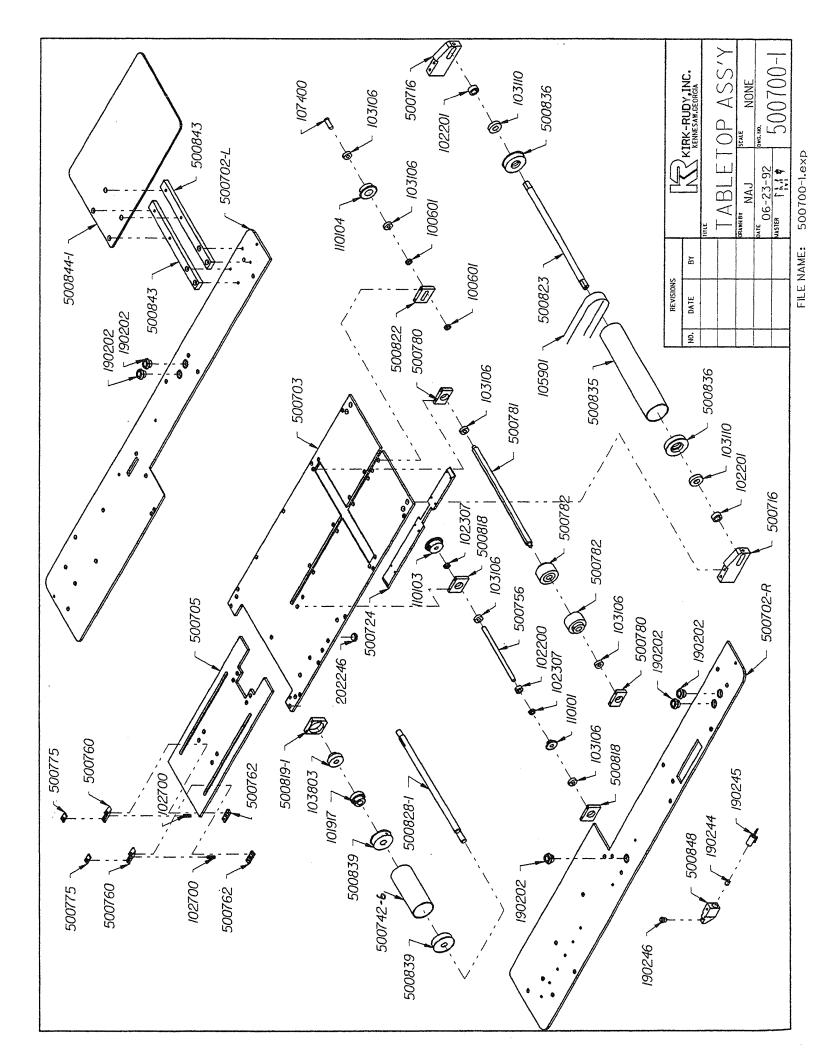
Item	Qty	Part #	Description
176		500728	BRACKET, FEEDER
177		500729	CRADLE, FEED ROLLER
178		500730	PLATE, FEEDER GUIDE
179		500731	PLATE, HEAD SUPPORT
180		500733	HUB, GEAR
181		500734	LEVER, CAM
182		500735	ROD, PUSH
183		500737	WASHER, BUMPER
184		500738	VALVE, SPRING
185		500739	BLOCK, PUSHER
186		500740	PLATE, VACUUM
187		500741	SHAFT, FEEDER
188		500742	ROLLER, BELT DRIVE
189		500743	SHAFT, TOP ROLLER DRIVE
190		500744	SHAFT, TOP ROLLER
191		500745	ROLLER, TOP FEED
192		500746	ROLLER, BOTTOM FEED
193		500747	CAM, FEED ROLLER
194		500748	SHAFT, WORM GEAR ADJ
195		500749	ROD, FEED SLIDE
196		500750	CRANK, FEED SLIDE
197		500751	CRANK, LINK
198		500752	SHAFT, HEAD
199		500753	SHAFT, TIMING PULLEY
200		500754	COUPLING, HEAD DRIVE
201		500755	CLAMP, SIDE GUIDE
202		500756	SHAFT, SPROCKET
203		500757	PULLEY, REVERSING
204		500758	STUD, REVERSING
205		500760	LIFTER, FEEDER PUSHER
206		500762	PLATE, FEEDER PUSHER
207		500763	SHAFT, HANDWHEEL
208		500764	LIFTER, FEEDER PUSHER
209		500765	SPACER, REAR BRIDGE
210		500766	SCREW, REAR BRIDGE

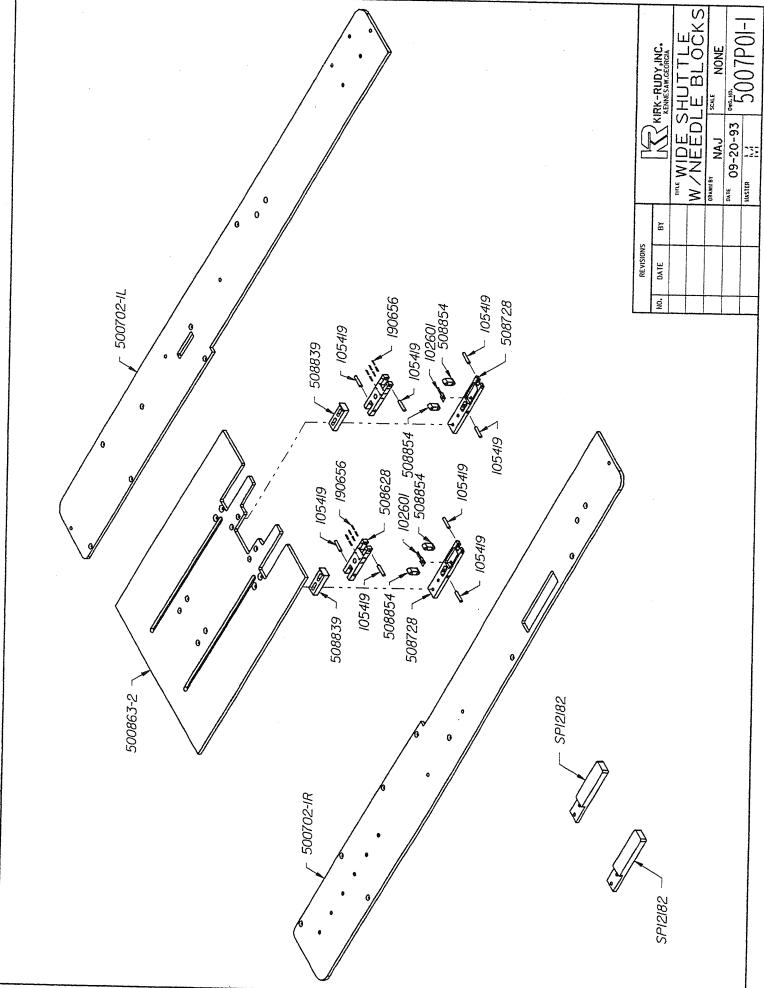
Item	Qty	Part #	Description
211		500769	SHAFT, REAR BRIDGE
212		500770	HUB, BRIDGE REAR GUIDE
213		500771	CLIP, REAR GUIDE
214		500772	KNOB
215		500774	STUD
216		500775	PLATE, FEEDER PUSHER
217		500776	BRACKET, HEAD ADJUSTMENT
218		500777	SHAFT, WORM GEAR
219		500778	SHAFT, WORM GEAR
220		500779	SHAFT, WORM GEAR
221		500780	BLOCK
222		500781	SHAFT, SPROCKET
223		500782	ROLLER, PRESS DOWN
224		500783	BRACKET, MICROSWITCH
225		500784	CAM, COUNTER
226		500785	BLOCK, SPRING HOLDER
227		500786	LEVER, SPRING
228		500787	SHAFT, SIDE GUIDE
229		500788-L	GUIDE, L/H SIDE
230		500788-R	GUIDE, R/H SIDE
231		500789	KNOB
232		500791	POST, SIDE SUPPORT
233		500792	POST, SIDE GUIDE
234		500793	LOCK, SIDE GUIDE
235		500794	PLATE, MOUNTING
236		500795	PLATE, BRIDGE
237		500796	BRACKET, PHOTOCELL HOLDER
238		500798	HOLDER, PHOTOCELL
239		500799	CLAMP, PHOTOCELL
240		500799-2	BLOCK
241		500799-3	PLATE
242		500799-5	BLOCK
243		500799-6	STUD BRIDGE
244		500799-7	STUD, BRIDGE
245		500800	LINK, FRONT SKID BAR

Item	Qty	Part #	Description
246		500801	LINK, REAR SKID BAR
247		500802	HOLDER, SKID BAR SWITCH
248		500803	SHAFT
249		500805	PLATE, BRIDGE
250		500806	PLATE, GATE END
251		500807	NUT, BRIDGE LOCK
252		500808	PLATE, TOP BRIDGE
253		500809	SLEEVE TOP ROLLER
254		500810	SHAFT, TOP ROLLER ADJ
255		500811	FORK, TOP ROLLER
256		500812	KNOB
257		500813	SHAFT, HEAD
258		500814-1	RAIL, SIDE GUIDE SLIDE
259		500814-2	RAIL, SIDE GUIDE SLIDE
260		500815	LUG, CHAIN
261		500817	SHAFT GEAR
262		500818	BLOCK, PILLOW
263		500819-1	BLOCK, BEARING
264		500821	CLAMP, HEAD DRIVE
265		500822	BLOCK, TAKE-UP
266		500823	SHAFT, REAR ROLLER
267		500824	SHAFT, BELT GUIDE
268		500825	SHAFT, SPROCKET DRIVE
269		500826	SHAFT CRANK
270		500827	SHAFT, SPRING LEVER
271		500828-1	SHAFT, FRONT ROLLER
272		500829	SHAFT GEAR
273		500830	SHAFT, UNIVERSAL
274		500831	HUB
275		500832	BRACKET, REAR GUIDE
276		500835	ROLLER, BELT IDLER
277		500836	HUB, BELT ROLLER
278		500838	HUB, BELT DRIVE
279		500839	HUB, BELT DRIVE
280		500841	ROD, COMPUTER FORM GUIDE

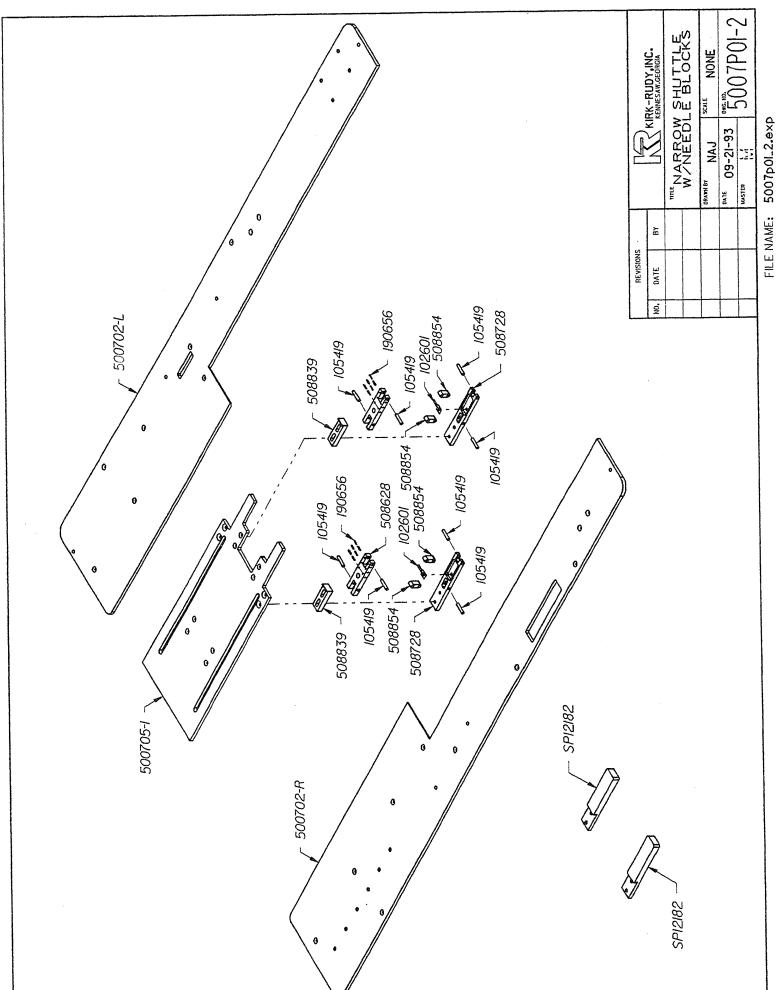
Item	Qty	Part #	Description
281		500842	BLOCK, COMPUTER FORM GUIDE
282		500843	BAR, FORM TABLE
283		500844-1	TABLETOP, COMPUTER FORM
284		500845	TABLETOP, JOGGER
285		500847	BRACKET, JOGGER TABLETOP
286		500848	BLOCK
287		500849-1	HUB, SPROCKET TAKE, UP
288		500863-2	TABLETOP, WIDE SHUTTLE
289		500865	PLATE, COVER
290		800875	BAR, 20"EXT. SUPPORT
291		500876	ANGLE, 20"EXT. SUPPORT
292		500878	SUPPORT, JOGGER TABLETOP
293		500880	BRACKET, JOGGER TABLETOP
294		500883-A	PANEL, CONTROL
295		500885	COVER, FRONT
296		500887	COVER, BACK
297		500888	COVER, BACK
298		500889	DOOR, BASE
299		500890-A	BASE, CABINET ASSEMBLY
300		501401	BOX, ELECTRICAL
301		501645	BLOCK, VACUUM
302		501812-3	LEG, LEVELING
303		504602-1	POST, STOP BAR
304		504604	ARM, STOP BAR
305		504605	BRACKET, SWITCH
306		504606-1	BLOCK, ARM STOP
307		504607	BAR, STOP
308		508628	BLOCK, NEEDLE SUPPORT
309		508728	BLOCK, SUPPORT
310		508839	BLOCK SPACER
311		508854	ARM, NEEDLE BLOCK SWING
312		508996	BRACKET, BEAM SWITCH
313		SP12182	BLOCK, NEEDLE BLOCK PLUG
314		SP18605	TABLETOP, 20"EXT.
315		SP18606	PLATE, SPLICE

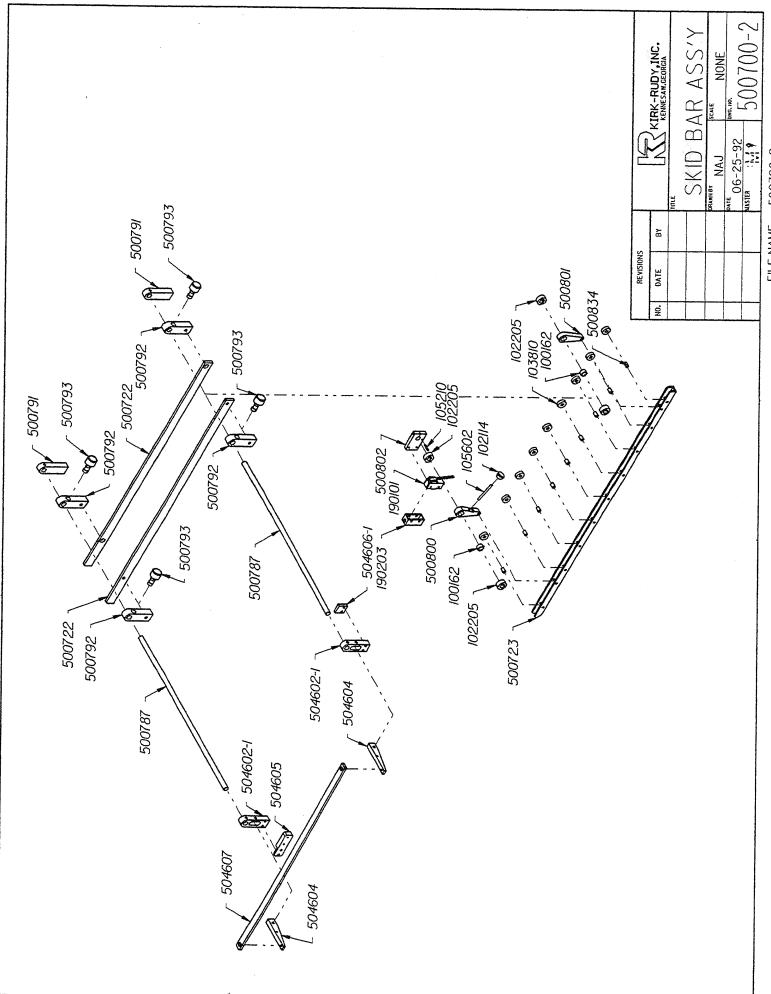
Item	Qty	Part #	Description
316	-:	SP18616	PLATE, SPLICE
317		SP19402-L	TABLETOP, 20"EXT.L/H SIDE
318		SP19402-R	TABLETOP, 20"EXT.R/H SIDE
HEAT	RESIST	ANCE BELTS	
1		105897	BELT, .75x108.75-20"EXT
2		106227	BELT, 1.25x108.75-20"EXT
3		106229	BELT, .75x68.75-STANDARD
4		106230	BELT, 1.25x68.75-STANDARD
5		106238	BELT, .75x140.75-36"EXT
6		106250	BELT, 1.25x140.75-36"EXT



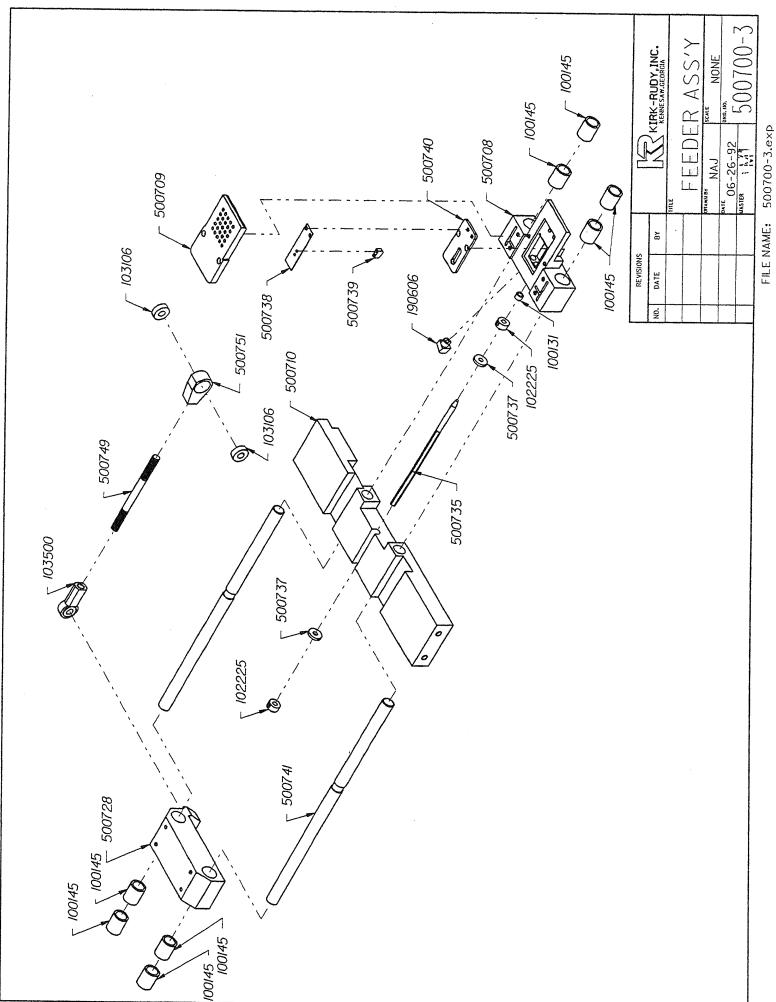


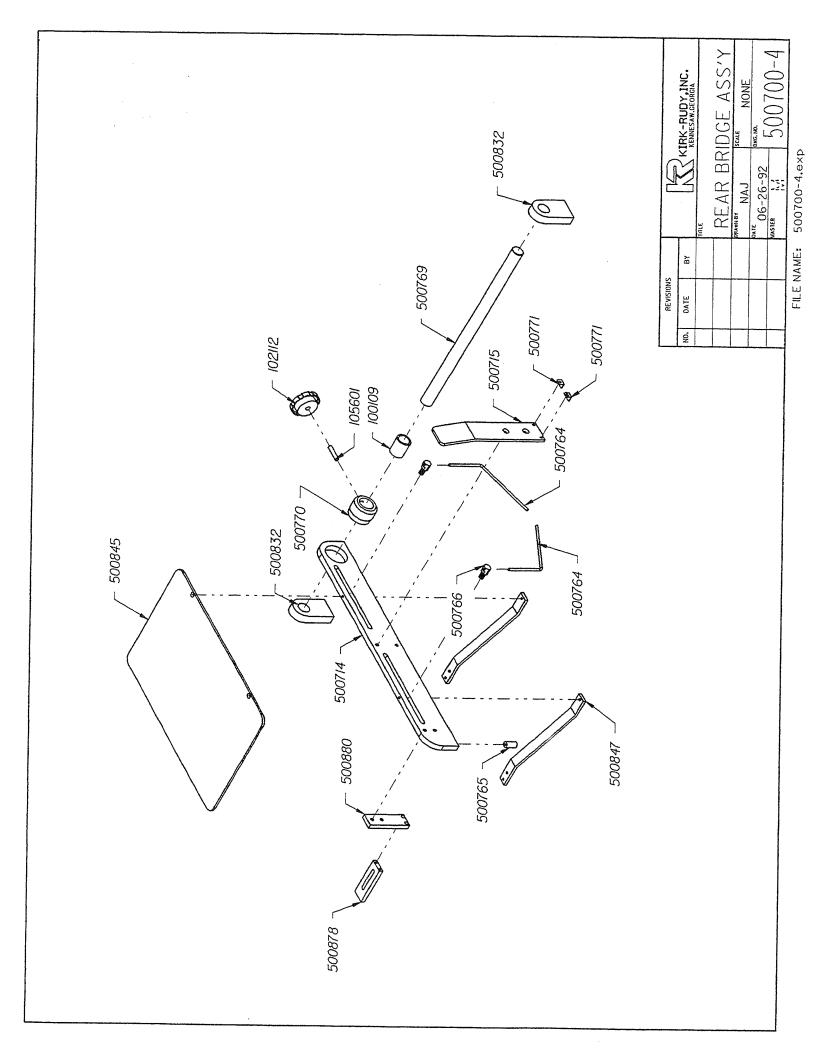
FILE NAME: 5007p01.exp

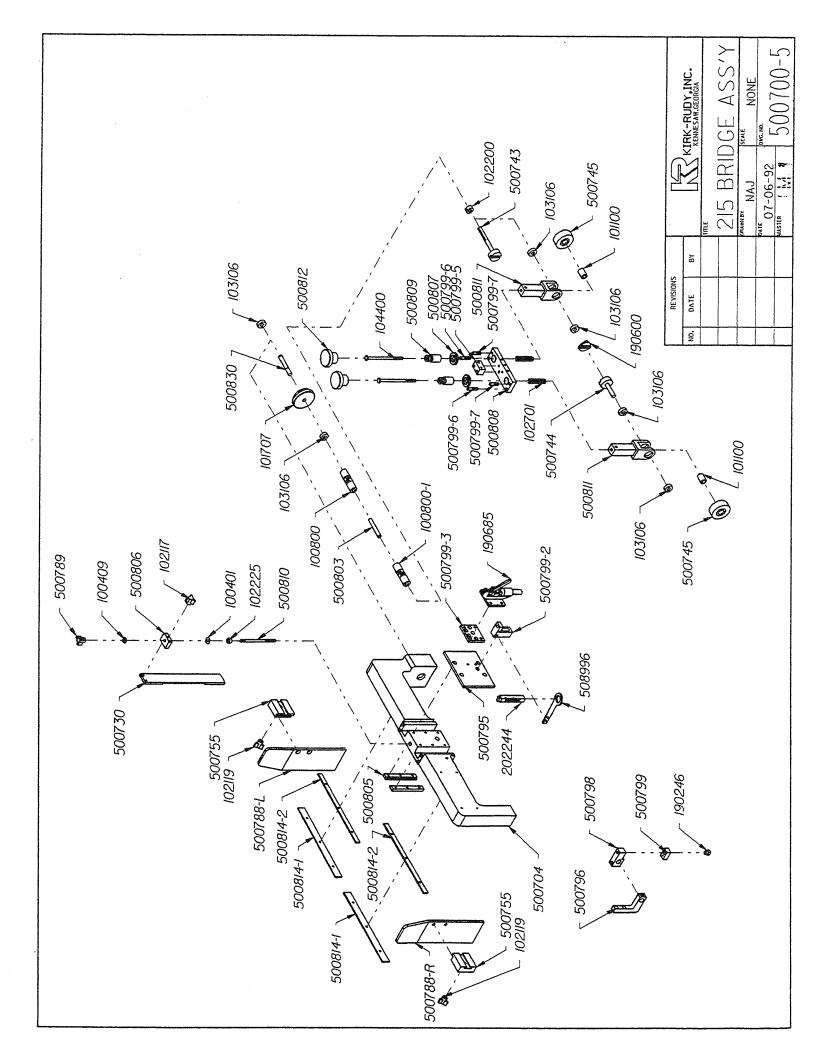


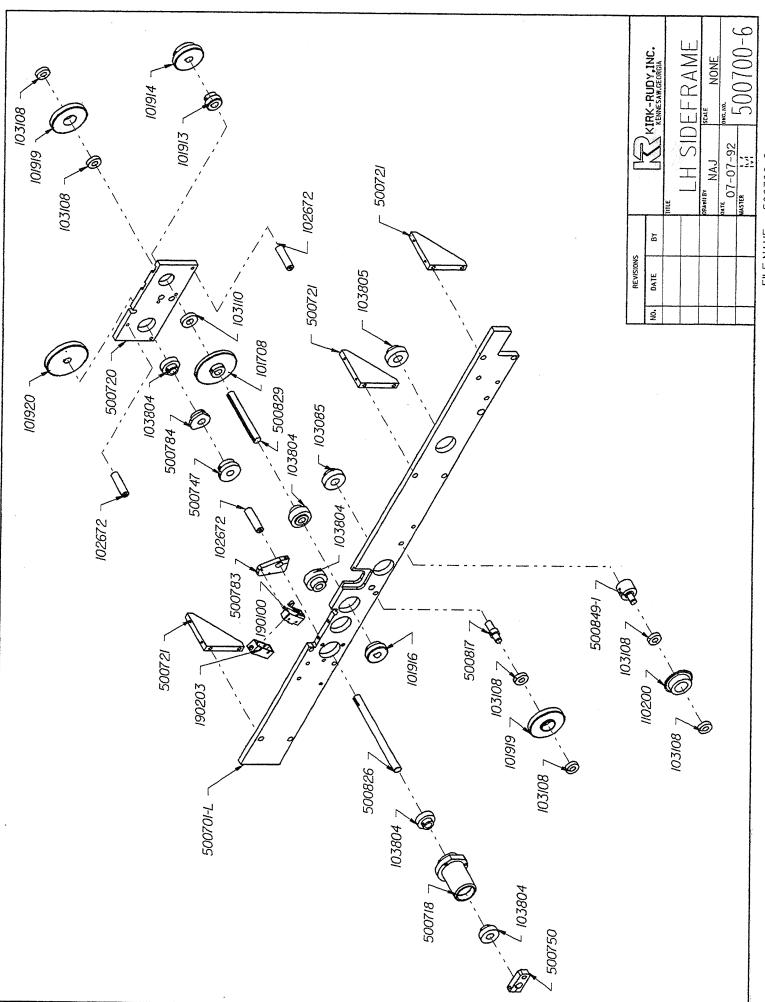


FILE NAME: 500700-2.exp

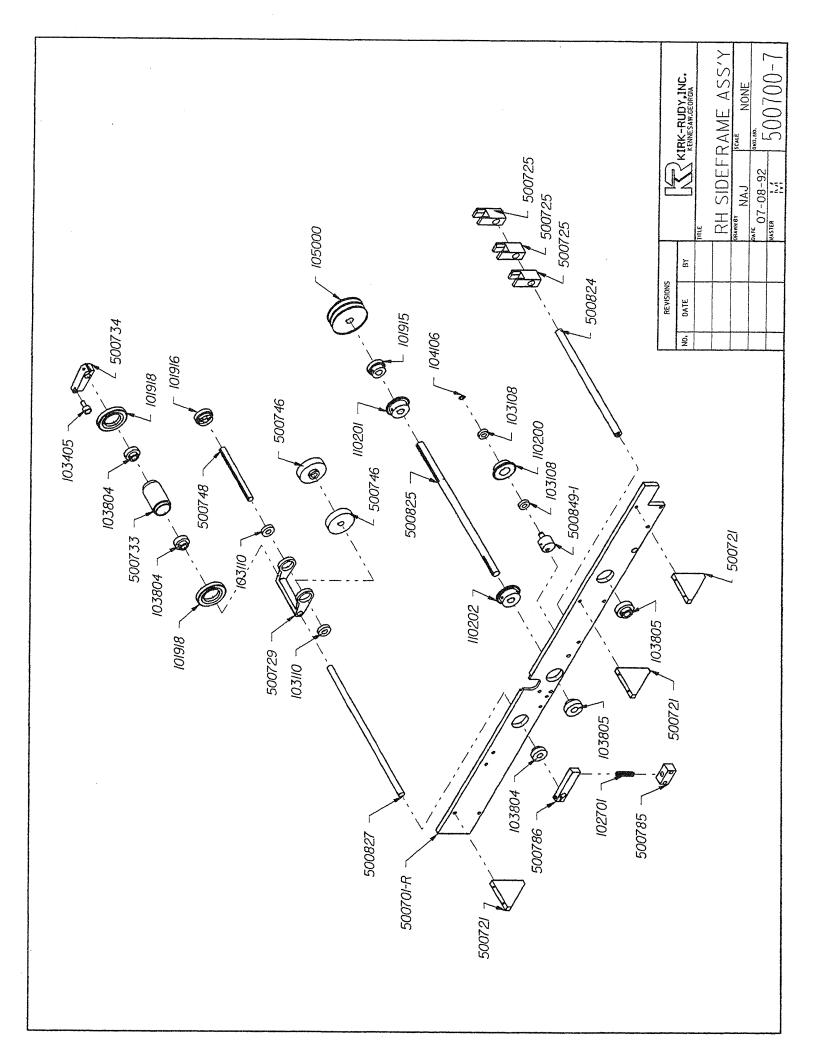


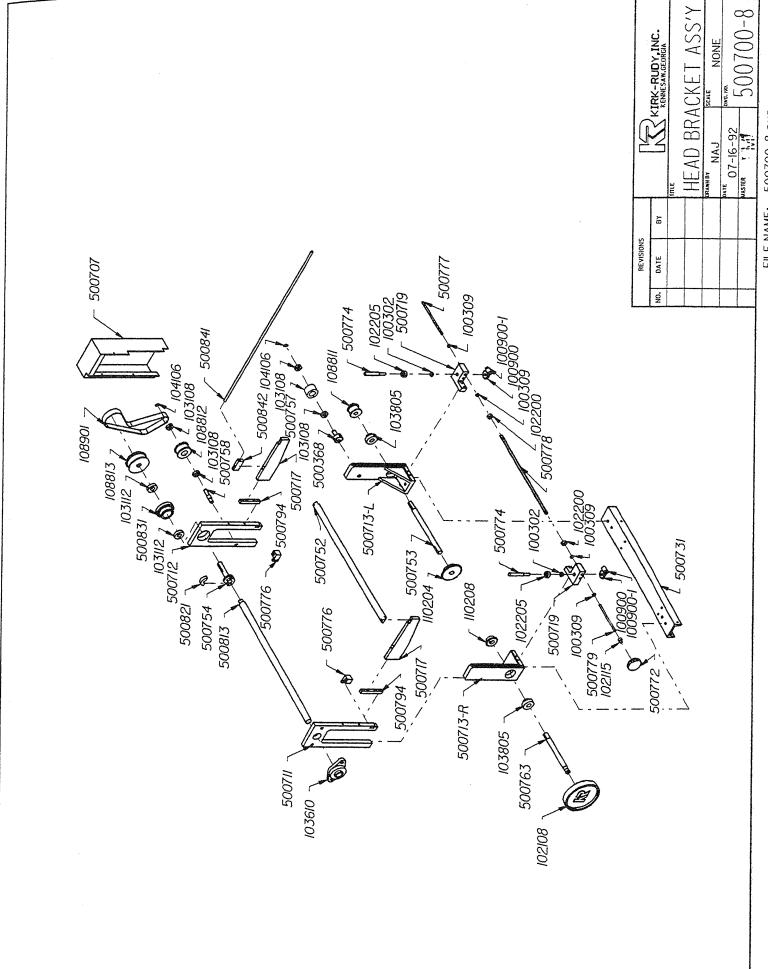




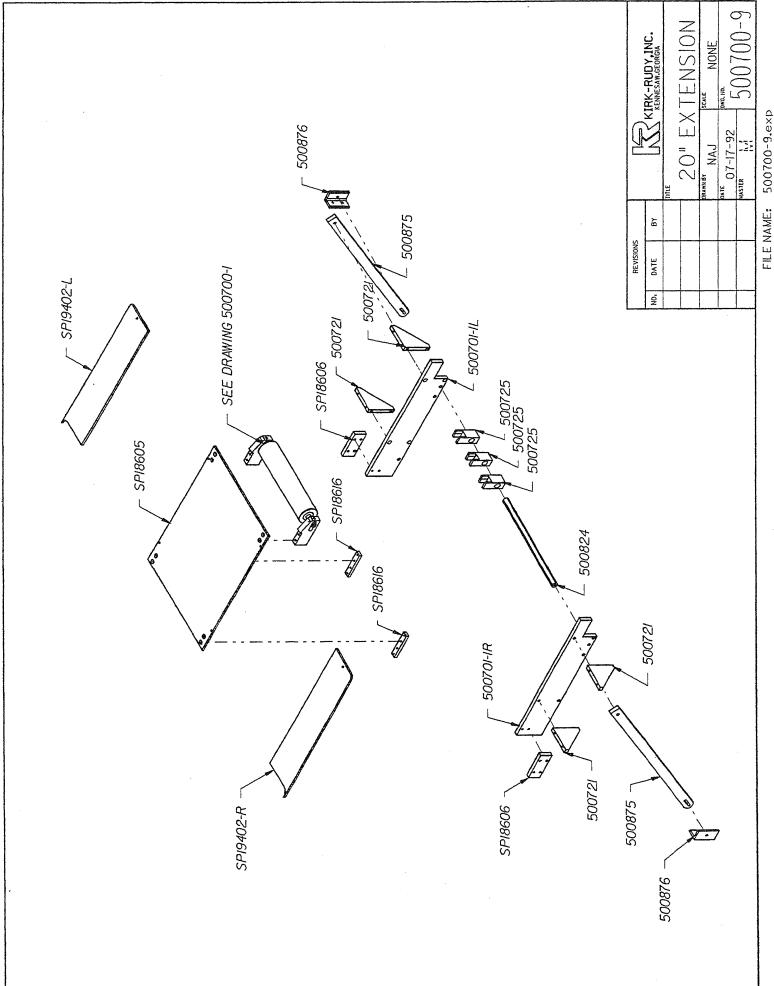


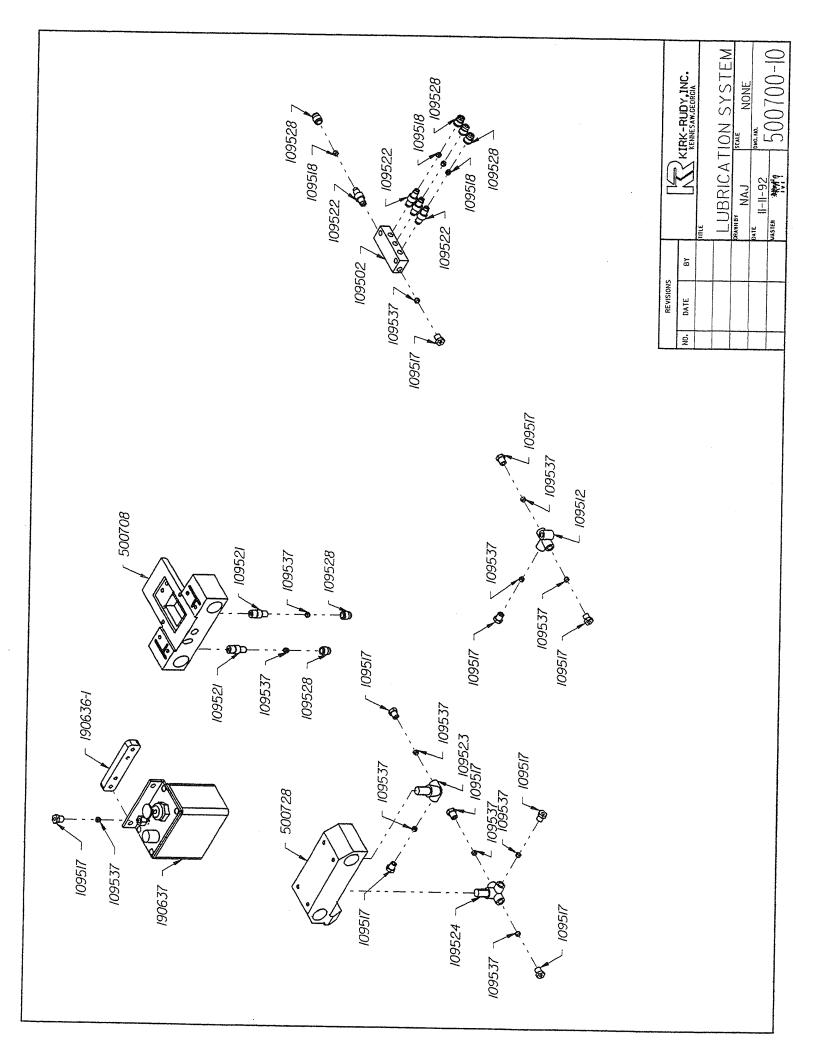
FILE NAME: 500700-6.exp

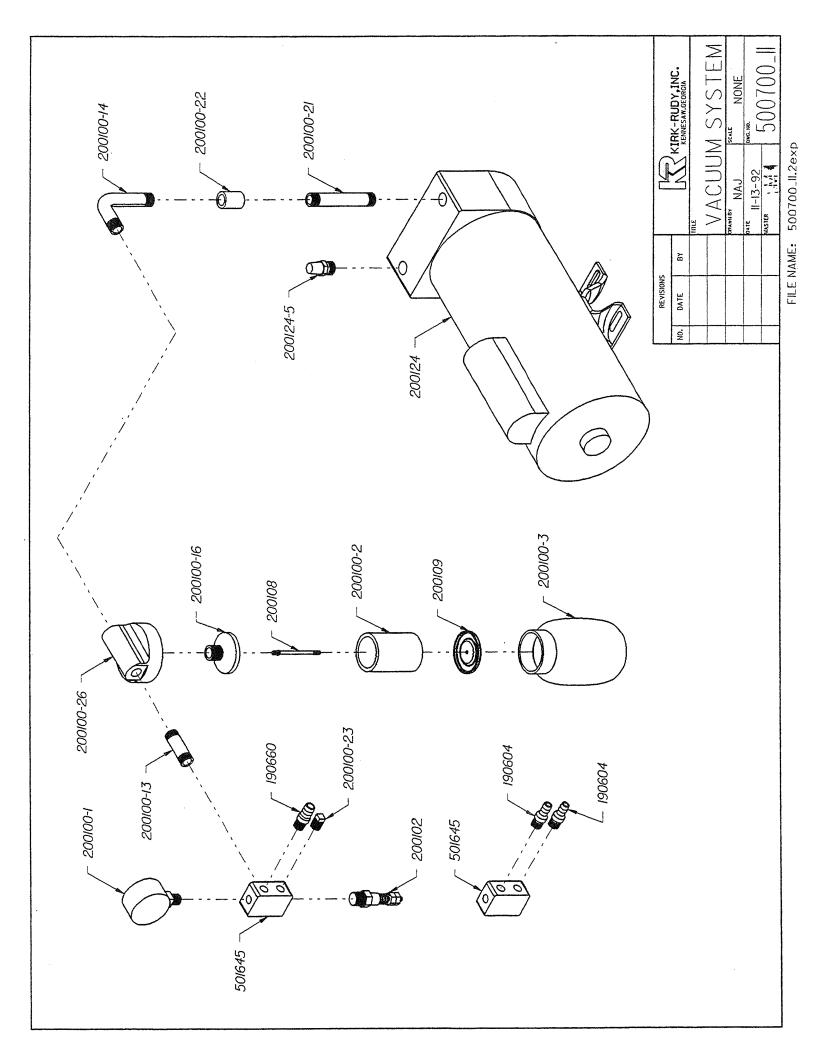


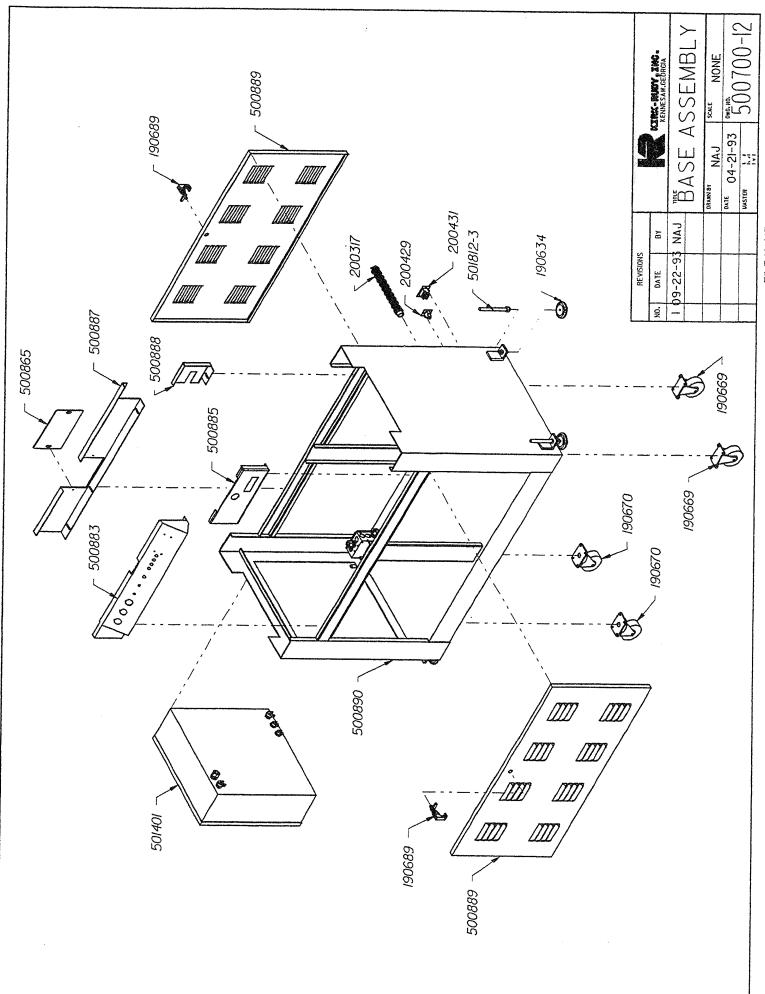


FILE NAME: 500700-8.exp









FILE NAME: 5007pl2.exp

5	NOTES

13 WARRANTY AND SERVICE

WARRANTY

Warranty: Kirk-Rudy, Inc., warrants to the original retail purchaser that this product is free from defects in the material and workmanship, and agrees to repair or replace, at Kirk-Rudy's option, any defective product within (90) days from the date of purchase. This warranty is not transferable. It covers damage resulting from defects in material or workmanship, and it does not cover conditions or malfunctions resulting from normal wear, neglect, abuse or accident.

THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESSED WARRANTIES ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE.

Limitation of Remedies: If product is proven to be defective within the warranty period stated above, THE EXCLUSIVE REMEDY, AT KIRK-RUDY'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE PRODUCT, provided that the defective product is, at Kirk-Rudy's choice, returned immediately to Kirk-Rudy or authorized service representative designated by Kirk-Rudy, or made available at user's premises in a location suitable for servicing.

Limitation of Liability: Kirk-Rudy shall not otherwise be liable for any losses or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal or equitable theory asserted, including contract, negligence, warranty, or strict liability.

To obtain replacement parts and service, contact an Authorized Kirk-Rudy Dealer. Use Kirk-Rudy part numbers when ordering.

USE ONLY GENUINE KIRK-RUDY REPLACEMENT PARTS

KIRK-RUDY, INC 125 LORRAINE PARKWAY WOODSTOCK, GA 30188 PH 770-427-4203 FX 770-427-4036