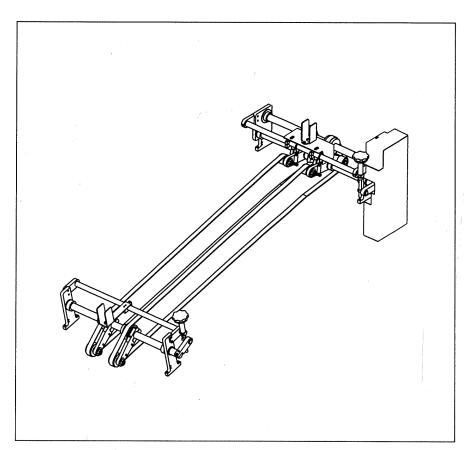
# Kirk-Rudy, Inc. Parts Manual KR630 Adjustable Upper Belt Kit



### 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.

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

### 1 Important Safety Instructions

Intended Use Statement: The KR630 Adjustable Upper Belt Kit is designed to replace the stock upper belt assembly. The kit allows a no tool adjustment of the upper belts for products ranging from 1 page thick to 2 inches thick. Usage for other purposes may lead to an unsafe condition.

### 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.

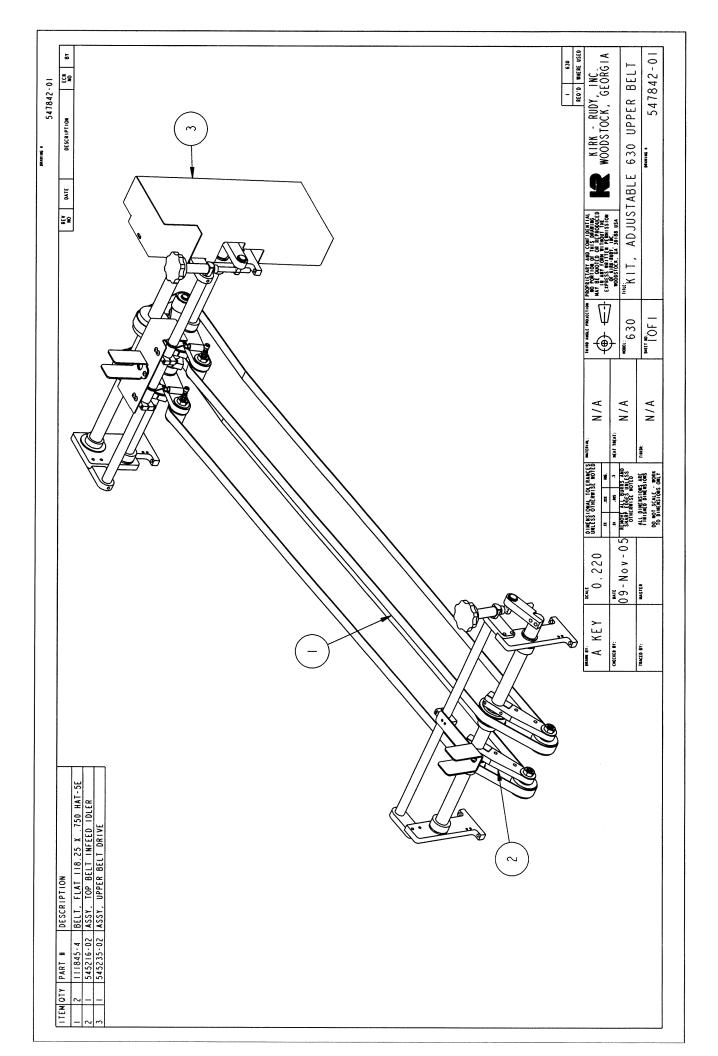
# 2 SPECIFICATIONS

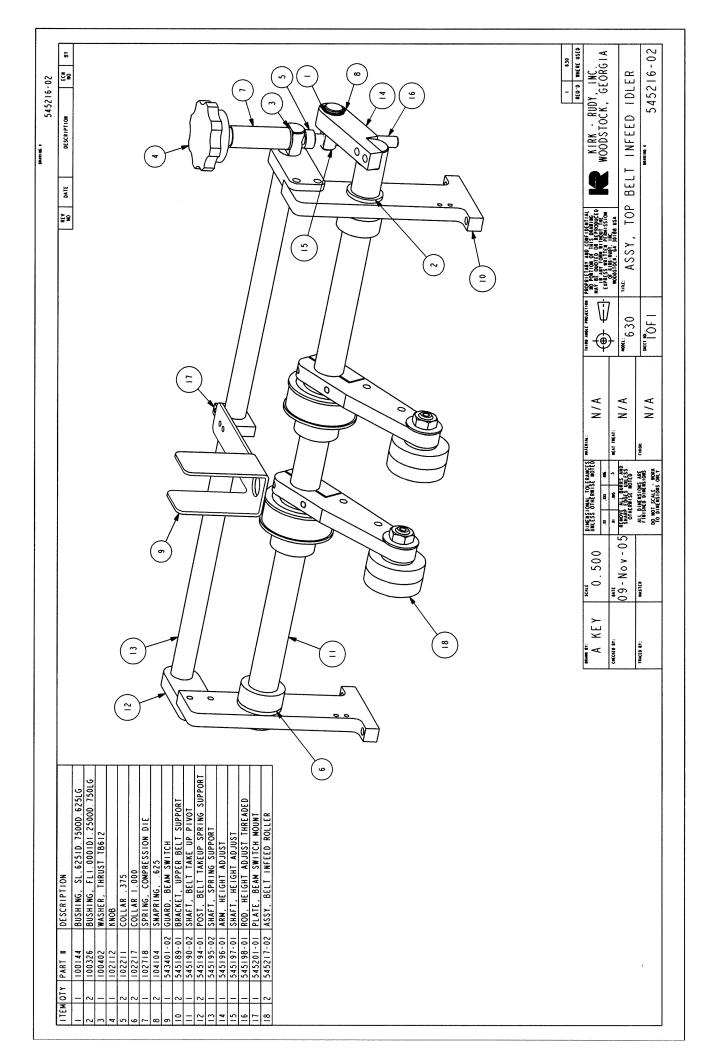
	<u>ENGLISH</u>	METRIC
PHYSICAL SIZE Length: Width: Height:	54" 24" 20"	137 cm 61 cm 51 cm
PRODUCTS  Materials: Minimum Thickness:  Maximum Thickness:	.007" 2.000"	.18 mm 50 8 mm

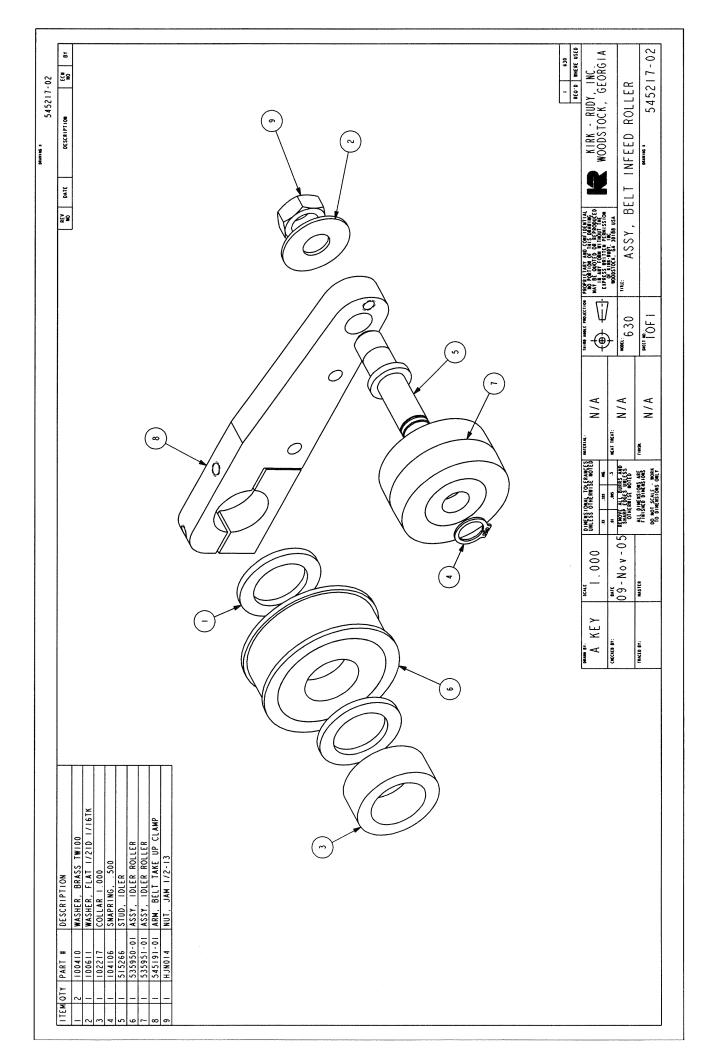
# **3 PARTS LISTS AND DIAGRAMS**

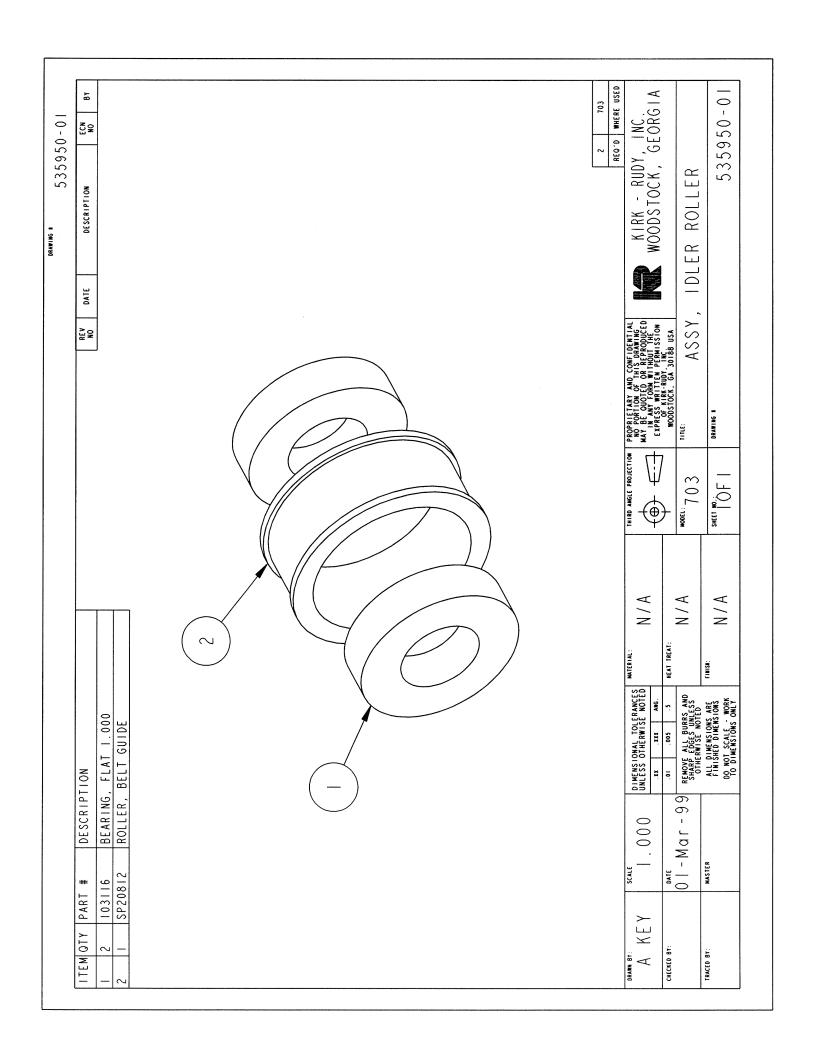
This section contains the entire mechanical bill of materials and assembly drawings.

NO.	DRAWING #	DESCRIPTION
1	.547842-01	KIT, ADJUSTABLE 630 UPPER BELT
2	. 545235-02	ASSY, UPPER BELT DRIVE
3	. 536627-01	ASSY, TAKEUP ECCENTRIC
4	. 545235-03	ASSY, BELT DIVERT/TAKEUP
5	. 545192-01	ASSY, FLAT BELT IDLER ROLLER
6	. 535950-01	ASSY, IDLER ROLLER
7	. 545204-01	ASSY, BUTTERFLY WHEEL
8	. 500339A	ASSY, ROLLER
9	. 547844-01	ASSY, UPPER BELT COVER
10	. 545216-02	ASSY, TOP BELT INFEED IDLER
11	. 545217-02	ASSY, BELT INFEED ROLLER
12	. 535951-01	ASSY, IDLER ROLLER
13	. 535950-01	ASSY, IDLER ROLLER

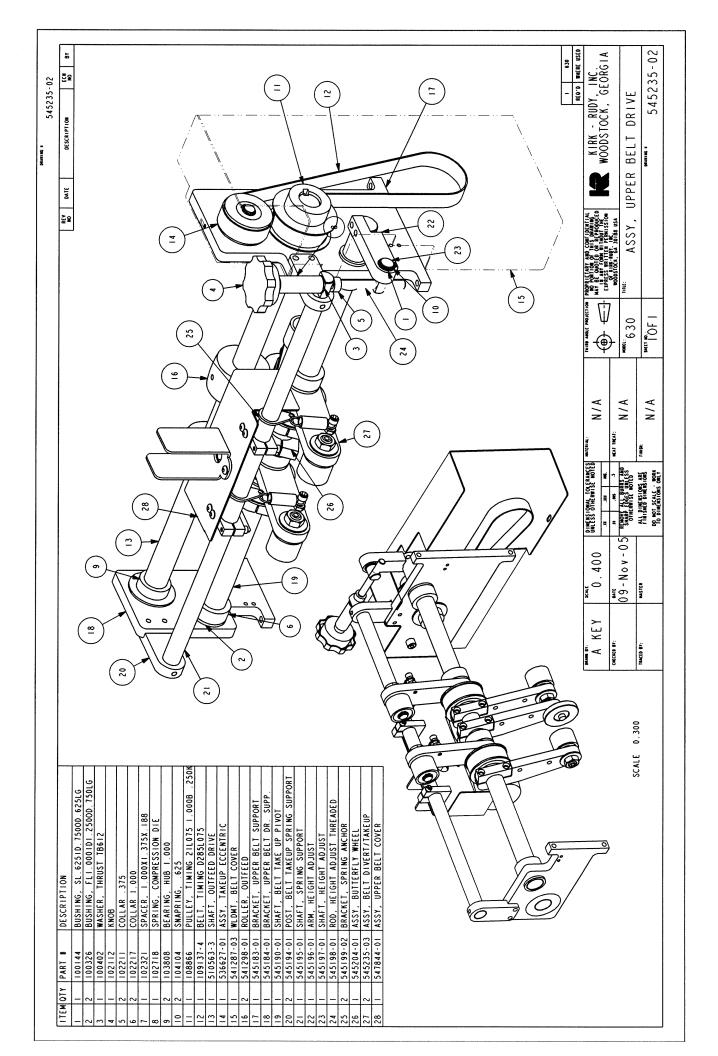






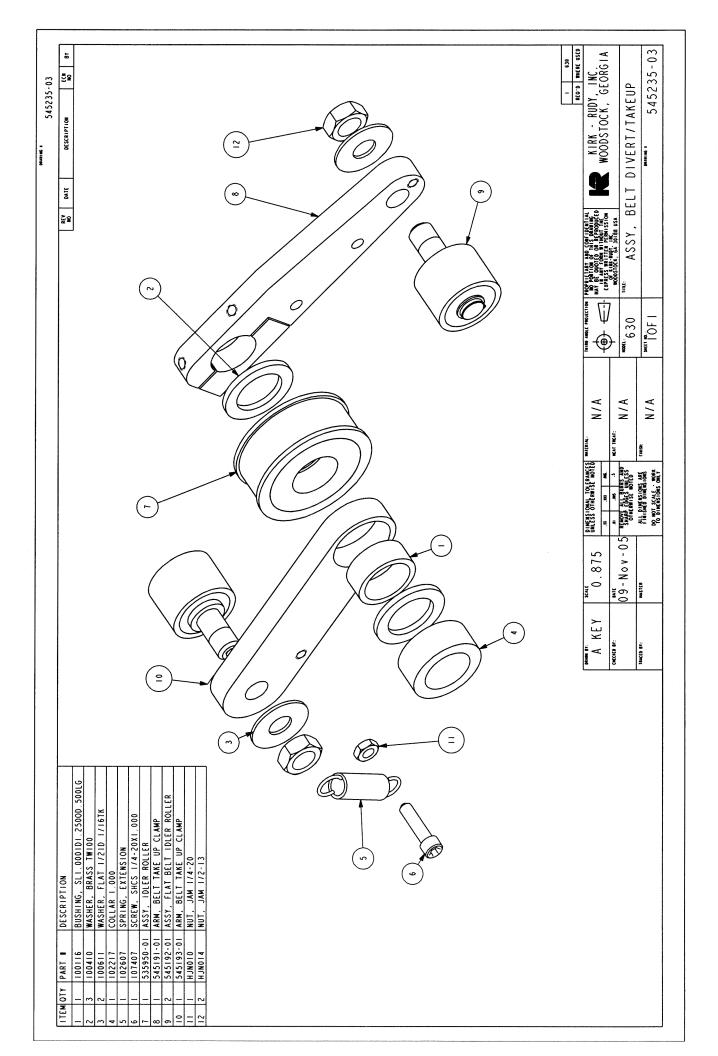


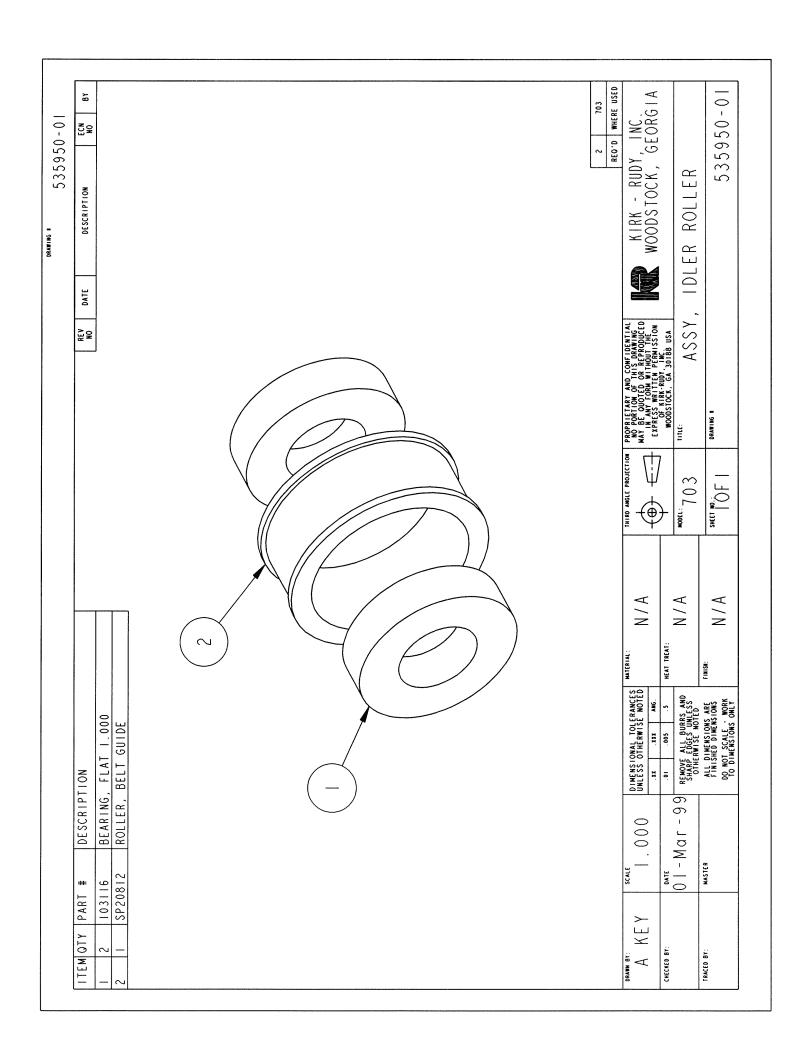
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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			ND CONFIDENTIAL  THIS DRAWING  OR REPOBLEED  THOUT THE  FORM INC.  GA 30188 USA  A S S Y ,   D L E
			MODEL: 703
		PART # DESCRIPTION 103108 BEARING, FLAT .500 515288 ROLLER, BELT CROWN	SCALE    . () () () UNLESS OTHERWISE NOTED    .   .   .   .   .   .   .   .   .



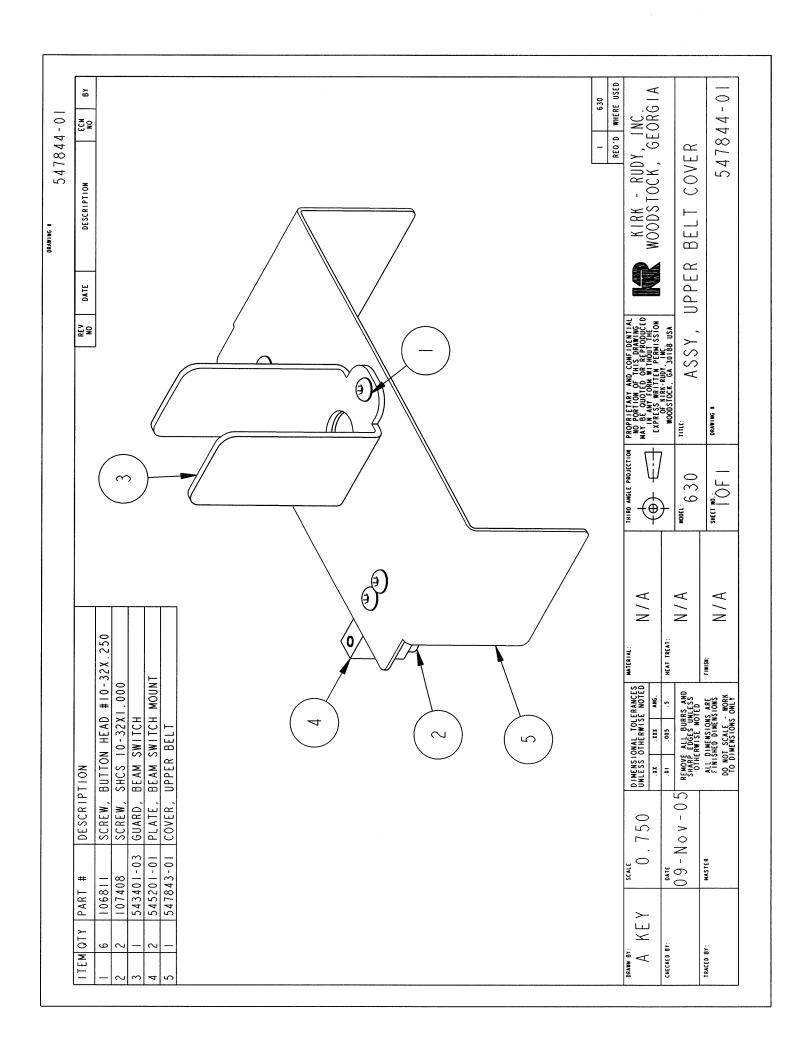
2 1031	103108 BEARING, FL 104106 SNAPRING, .	G, FLAT .500 NG, .500	NO DATE	DESCRIPTION	NO
1 50	108862-1 PULLEY, 500983-3 STUD, 1	Y, TIMING 18L075 1.125B NK IDLER SPROCKET			
			m		
		2			
		SCALE 1.000	4		
					1 536626-01 REG'D WHERE USED
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545204-0	33 *		6 E ( G E (
<b>ВРАВТИ 3</b> 4 5	DESCRIPTION		KIRK - RUDY WOODSTOCK, TTERFLY WHEEL
	DATE		BUTTE
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			PROPRIETARY AND CONFIDENTIAL NO PORTION OF THIS DAWNING NATH AND THE REPRODUCED EXPERSIVE WITHING THE WOODS TOKEN, GA 30188 USA HITTE:  ASSUME AS THE WOODS TOKEN, GA 30188 USA HITTE:  ASSUME AS THE WOODS TOKEN, GA 30188 USA HITTE:  ASSUME AS THE WOODS TOKEN, GA 30188 USA HITTE:  ASSUME AS THE WOODS TOKEN, GA 30188 USA
			SHEET NOTE THIS AMOLE PROJECTI
		4	X
			MATERIAL: HEAT TREAT: TINISH:
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	DER AKE		UNITESS OTHERWISE NOTED  IN ITEMS OTHERWISE NOTED  IN ITEMS OTHERWISE NOTED  OIL DIMENSIONS AND SHARP EDGES UNITESS OTHERWISE NOTED ALL DIMENSIONS DO NOT SCALE - WORK TO DIMENSIONS ONLY
	DESCRIPTION WASHER, FLAT 1/ BOLT, SHOULDER ASSY, ROLLER ARM, BELT TAKE	(m)	0 3
			scale 0.750 0.750  Date   2 - May -
	PART # 100603 107002 500339A 545191-01		SCALE  ODATE    2 -     2 -
	0TY PART 1 1006 1 5003 1 5451		KE K
	2 - 1 E W		DRAWN 81: A CHECKED 87: TRACED 87:





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	92-01			2 SA193 E0'D WHERE USED 1 NC. GEORGIA LLER
103108   BEARING, FLAT. 500	-	DESCRIPTION	2	
S16045-1   ROLLER, BELT TAKEUP				WO CONFIDENTIAL F TH'S ORANING O WE PRODUCED O WHINDIT THE PERHISSION RUDY GA 30188 USA CA 3018 USA
103108   BEARING, FLAT . 500				PROPRIETARY NO PORTION MAY BE OND
103108   BEARING, FLAT .500     104106   SNAPRING, .500     1 515266   STUD, IDLER     1 516045-1   ROLLER, BELT TAKEUP     2 10041   ROLLER, BELT TAKEUP     3   SCALE   ROLLER, BELT TAKEUP     4   1   1   1   1   1   1   1   1   1			4	SHEET NO.
103108   BEARING, FLAT .500   104106   SNAPRING, .500   1   516045-1   ROLLER, BELT TAKEUP   1   516045-1				
KEY PART #  103108  104106  515266  1 516045-1  1 104 106  1 104 1				DIMENSIONAL TOLERANCES UNLESS OTHERWISE NOTED  IXX AND  OSS SA  ON OTHERWISE NOTED  OTHERWISE NOTED  ALL BURRS AND OTHERWISE NOTED  ALL DIMENSIONS  DO NOT SCALE - WORK TO DIMENSIONS ONLY
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## 4 PART AND ASSEMBLY INDEX

Find the index number that corresponds to your part number. Using the Assembly Index list go to the index number. The descriptions are indented indicating the subassembly structure of the machine. Once the assembly is found find the assembly diagram in the manual.

		PART NUMBER INDEX	
NO.	PART NO.	DESCRIPTION	QTY
40	100116	BUSHING, SL1.000ID1.250OD.500LG	1
23	100144	BUSHING, SL.625ID.750OD.625LG	1
90	100144	BUSHING, SL.625ID.750OD.625LG	1
19	100326	BUSHING, FL1.000ID1.250OD.750LG	2
85	100326	BUSHING, FL1.000ID1.250OD.750LG	2
28	100402	WASHER, THRUST TB612	1
93	100402	WASHER, THRUST TB612	1
41	100410	WASHER, BRASS TW100	3
79	100410	WASHER, BRASS TW100	2
54	100603	WASHER, FLAT 1/4ID	1
46	100611	WASHER, FLAT 1/2ID 1/16TK	2
81	100611	WASHER, FLAT 1/2ID 1/16TK	1
25	102112	KNOB	1
96	102112	KNOB	1
26	102211	COLLAR .375	2
95	102211	COLLAR .375	2
20	102217	COLLAR 1.000	2
42	102217	COLLAR 1.000	1
80	102217	COLLAR 1.000	1
86	102217	COLLAR 1.000	2
13	102321	SPACER, 1.000X1.375X.188	11
43	102607	SPRING, EXTENSION	1
	102718	SPRING, COMPRESSION DIE	1
94	102718	SPRING, COMPRESSION DIE	1
53	103107	BEARING, FLAT .312	1
8	103108	BEARING, FLAT .500	2
	103108	BEARING, FLAT .500	2
	103108	BEARING, FLAT .500	2
	103116	BEARING, FLAT 1.000	2
78	103116	BEARING, FLAT 1.000	2
5	103808	BEARING, HUB 1.000	2
24	104104	SNAPRING, .625	2
	104104	SNAPRING, .625	2
10	104106	SNAPRING, .500	1
34	104106	SNAPRING, .500	1
84	104106	SNAPRING, .500	1
64	106811	SCREW, BUTTON HEAD #10-32X.250	6
55	107002	BOLT, SHOULDER 1/4X3/8	1
44	107407	SCREW, SHCS 1/4-20X1.000	1

CE	407400	00DEW 01100 40 00V4 000	
	107408	SCREW, SHCS 10-32X1.000	2
	108866	PULLEY, TIMING 21L075 1.000B .250K	1
	500339	ROLLER, ARM	1
	515266	STUD, IDLER	1
83	515266	STUD, IDLER	1
74	515288	ROLLER, BELT CROWN IN EXTENSION	1
7	108862-1	PULLEY, TIMING 18L075 1.125B NK	1
56	109137-4	BELT, TIMING D285L075	1
66	111845-4	BELT, FLAT 118.25 X .750 HAT-5E	2
51	500339A	ASSY, ROLLER	1
9	500983-3	STUD, IDLER SPROCKET	1
11		SHAFT, OUTFEED DRIVE	1
32	516045-1	ROLLER, BELT TAKEUP	1
		ASSY, IDLER ROLLER	1
	·	ASSY, IDLER ROLLER	1
	·	ASSY, IDLER ROLLER	1
		ASSY, TAKEUP ECCENTRIC	1
		WLDMT, BELT COVER	1
<u></u>		COVER, BELT	1
	<del> </del>	COVER, BELT SLOTTED	1
	<del>                                     </del>	ROLLER, OUTFEED	2
		GUARD, BEAM SWITCH	1
<del></del>	1	GUARD, BEAM SWITCH	1
	<del> </del>	BRACKET, UPPER BELT SUPPORT	
		BRACKET, UPPER BELT DR. SUPP.	1
			1 2
	····	BRACKET, UPPER BELT SUPPORT	
	·	SHAFT, BELT TAKE UP PIVOT	1
		SHAFT, BELT TAKE UP PIVOT	1
		ARM, BELT TAKE UP CLAMP	1
		ARM, BELT TAKE UP CLAMP	1
	T	ARM, BELT TAKE UP CLAMP	1
	<del> </del>	ASSY, FLAT BELT IDLER ROLLER	2
		ARM, BELT TAKE UP CLAMP	1
		POST, BELT TAKEUP SPRING SUPPORT	2
		POST, BELT TAKEUP SPRING SUPPORT	2
		SHAFT, SPRING SUPPORT	1
		SHAFT, SPRING SUPPORT	1
18	545196-01	ARM, HEIGHT ADJUST	1
89	545196-01	ARM, HEIGHT ADJUST	1
21	545197-01	SHAFT, HEIGHT ADJUST	1
91	545197-01	SHAFT, HEIGHT ADJUST	1
22	545198-01	ROD, HEIGHT ADJUST THREADED	1
92	545198-01	ROD, HEIGHT ADJUST THREADED	1
48	545199-02	BRACKET, SPRING ANCHOR	2
61	545201-01	PLATE, BEAM SWITCH MOUNT	2
		PLATE, BEAM SWITCH MOUNT	1
		ASSY, BUTTERFLY WHEEL	1

67	545212-02	ASSY, INFEED TABLETOP	1
68	545216-02	ASSY, TOP BELT INFEED IDLER	1
71	545217-02	ASSY, BELT INFEED ROLLER	2
2	545235-02	ASSY, UPPER BELT DRIVE	1
29	545235-03	ASSY, BELT DIVERT/TAKEUP	2
		KIT, ADJUSTABLE 630 UPPER BELT	1
		COVER, UPPER BELT	1
		ASSY, UPPER BELT COVER	1
		NUT, JAM 1/4-20	1
	HJN014	NUT, JAM 1/2-13	2
		NUT, JAM 1/2-13	1
		ROLLER, BELT GUIDE	1
		ROLLER, BELT GUIDE	1
<del>                                     </del>	01 20012		
NO	DADT NO	ASSEMBLY INDEX	OT)/
	PART NO.		QTY
		.KIT, ADJUSTABLE 630 UPPER BELT	1
	545235-02		1
<u> </u>	545183-01	· · · · · · · · · · · · · · · · · · ·	1
	545184-01		1
	103808	BEARING, HUB 1.000	2
	536627-01	. ASSY, TAKEUP ECCENTRIC	1
<b></b>	108862-1	PULLEY, TIMING 18L075 1.125B NK	1
<b></b>	103108	. BEARING, FLAT .500	2
-	500983-3	. STUD, IDLER SPROCKET	1
<del> </del>	104106	. SNAPRING, .500	1
	510563-3	. SHAFT, OUTFEED DRIVE	1
	541298-01		2
~~~~~	102321	. SPACER, 1.000X1.375X.188	1
	108866	PULLEY, TIMING 21L075 1.000B .250K	1
	545190-01	. SHAFT, BELT TAKE UP PIVOT	11
<b></b>	545194-01		2
17	545195-01	. SHAFT, SPRING SUPPORT	1
	545196-01		1
	100326	BUSHING, FL1.000ID1.250OD.750LG	2
	102217	. COLLAR 1.000	2
21	545197-01	. SHAFT, HEIGHT ADJUST	1
	545198-01	. ROD, HEIGHT ADJUST THREADED	1
	100144	BUSHING, SL.625ID.750OD.625LG	1
	104104	. SNAPRING, .625	2
	102112	. KNOB	1
	102211	. COLLAR .375	2
27	102718	. SPRING, COMPRESSION DIE	1
28	100402	. WASHER, THRUST TB612	1
29	545235-03	. ASSY, BELT DIVERT/TAKEUP	2
30	545191-01	. ARM, BELT TAKE UP CLAMP	1
31	545192-01	. ASSY, FLAT BELT IDLER ROLLER	2
32	516045-1	. ROLLER, BELT TAKEUP	1

	T	- T-T-T-T-T-T-T-T-T-T-T-T-T-T-T-T-T-T-T	
33	515266	. STUD, IDLER	1
34	104106	. SNAPRING, 500	1
35	103108	. BEARING, FLAT .500	2
36	535950-01	. ASSY, IDLER ROLLER	1
37	SP20812	. ROLLER, BELT GUIDE	1
38	103116	. BEARING, FLAT 1.000	2
39	545193-01	. ARM, BELT TAKE UP CLAMP	1
40	100116	. BUSHING, SL1.000ID1.250OD.500LG	1
	100410	. WASHER, BRASS TW100	3
	102217	. COLLAR 1.000	1
	102607	. SPRING, EXTENSION	1
	107407	. SCREW, SHCS 1/4-20X1.000	1
	HJN010	. NUT, JAM 1/4-20	1
	100611	. WASHER, FLAT 1/2ID 1/16TK	2
	HJN014	. NUT, JAM 1/2-13	2
	545199-02		2
	545204-01	. ASSY, BUTTERFLY WHEEL	1
<u> </u>	545204-01		
	500339A	. ARM, BELT TAKE UP CLAMP	1
		. ASSY, ROLLER	1
	500339	. ROLLER, ARM	1 1
	103107	BEARING, FLAT .312	1
	100603	. WASHER, FLAT 1/4ID	1
<del></del>	107002	BOLT, SHOULDER 1/4X3/8	1
<b></b>	109137-4	BELT, TIMING D285L075	1
	541287-03		1
	541288-04		1
	541289-03	. COVER, BELT SLOTTED	1
	547844-01	. ASSY, UPPER BELT COVER	1
	545201-01	. PLATE, BEAM SWITCH MOUNT	2
62	547843-01	. COVER, UPPER BELT	1
63	543401-03	. GUARD, BEAM SWITCH	1
	106811	. SCREW, BUTTON HEAD #10-32X.250	6
65	107408	. SCREW, SHCS 10-32X1.000	2
66	111845-4	. BELT, FLAT 118.25 X .750 HAT-5E	2
67	545212-02	. ASSY, INFEED TABLETOP	1
68	545216-02	. ASSY, TOP BELT INFEED IDLER	1
69	545190-02	. SHAFT, BELT TAKE UP PIVOT	1
	545189-01	BRACKET, UPPER BELT SUPPORT	2
	545217-02	. ASSY, BELT INFEED ROLLER	2
	545191-01	. ARM, BELT TAKE UP CLAMP	1
	535951-01	. ASSY, IDLER ROLLER	1
	515288	. ROLLER, BELT CROWN IN EXTENSION	1
	103108	BEARING, FLAT .500	2
	535950-01	. ASSY, IDLER ROLLER	1
	SP20812	. ROLLER, BELT GUIDE	1
	103116		2
	100410	BEARING, FLAT 1.000	2
19	100410	. WASHER, BRASS TW100	

80	102217	. COLLAR 1.000	1
81	100611	. WASHER, FLAT 1/2ID 1/16TK	1
82	HJN014	. NUT, JAM 1/2-13	1
83	515266	. STUD, IDLER	1
84	104106	. SNAPRING, .500	1
85	100326	. BUSHING, FL1.000ID1.250OD.750LG	2
86	102217	. COLLAR 1.000	2
87	545194-01	. POST, BELT TAKEUP SPRING SUPPORT	2
88	545195-02	. SHAFT, SPRING SUPPORT	1
89	545196-01	. ARM, HEIGHT ADJUST	1
90	100144	. BUSHING, SL.625ID.750OD.625LG	1
91	545197-01	. SHAFT, HEIGHT ADJUST	1
92	545198-01	. ROD, HEIGHT ADJUST THREADED	1
93	100402	. WASHER, THRUST TB612	1
94	102718	. SPRING, COMPRESSION DIE	1
95	102211	. COLLAR .375	2
96	102112	. KNOB	1
97	545201-01	. PLATE, BEAM SWITCH MOUNT	1
98	104104	. SNAPRING, .625	2
99	543401-02	. GUARD, BEAM SWITCH	1

# **5 NOTES**

### **6 WARRANTY AND SERVICE**

### **WARRANTY**

**Warranty:** Kirk-Rudy 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 OR IMPLIED WARRANTY OF MERCHANTABLITIY 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 REPLACEMENT PARTS**

For Service or Replacement Parts Please Call: Kirk-Rudy @ 770-427-4203

Kirk-Rudy, Inc. 2700 Kennesaw Due West Road Kennesaw, GA 30144