

***Kirk-Rudy, Inc.***

**Parts Manual**

**521 Feeder for**

**Serial No. 188 & Up**



**Manufactured by Kirk-Rudy, Inc.**

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

10000-521F REV. 1 07/21/99

**Manual**

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

# 1 Important Safety Instructions

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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 PARTS LISTS AND DIAGRAMS

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### 2.1 PARTS LIST

Item	Qty	Part #	Description
1	00001	102108	HANDWHEEL
2	00001	S16204	TABLETOP, LH
3	00001	S16203	TABLETOP, RH
4	00001	S16202	PLATE, SIDE
5	00001	S16205	PLATE, BEARING
6	00004	S16207	SHAFT, SPACER
7	00001	503753	TABLETOP, CENTER
8	00002	503669	BRACKET, TABLETOP SUPPORT
9	00001	503670	BRACKET, TABLETOP SUPPORT
10	00001	S16206	PLATE, BEARING
11	00002	503624	SHAFT, FEEDER
12	00008	190639	BUSHING
13	00001	500735	ROD, PUSH
14	00002	102225	COLLAR
15	00001	103500	END, ROD
16	00001	503671	ROD, FEEDER SLIDE
17	00001	S16219	PLATE, FEEDER DRIVE
18	00001	S16211	PLATE, MTG
19	00001	521298	ARM, ROLLER
20	00001	S16213	ROLLER
21	00001	S16212-2	SHAFT, ROLLER
22	00027	103106	BEARING, FLAT
23	00001	S16212-1	SHAFT, OUTFEED ROLLER
24	00001	503629	SHAFT, SPRING LEVER
25	00001	500729	CRADLE, FEEDER
26	00002	503656	ROLLER, BOTTOM FEED
27	00001	500748	SHAFT, FEED ROLLER
28	00006	103110	BEARING, FLAT
29	00003	102201	COLLAR
30	00001	500785	BLOCK, SPRING
31	00001	S25711	LEVER, SPRING
32	00005	103804	BEARING, HUB
33	00001	103805	BEARING, HUB
34	00001	103808	BEARING, HUB
35	00001	503750	BODY, VACUUM

Item	Qty	Part #	Description
36	00001	503751/-1,2,3	PLATE, VACUUM
37	00001	500740	PLATE, VACUUM
38	00001	500738	VALVE, SPRING
39	00001	500739	BLOCK, PUSHER
40	00001	503622	HUB, GEAR
41	00003	503623	GEAR
42	00001	503729	HUB, BEARING
43	00001	503531	HUB, GEAR BEARING
44	00001	503626-1	LEVER, CAM
45	00001	101957	GEAR, IDLER CHANGE
46	00001	110100	SPROCKET
47	00002	503532	GEAR
48	00001	500981	STUD
49	00001	101974	GEAR
50	00001	102401	GEAR
51	00001	500751	YOKE, FEEDER CRANK
52	00002	500750	CRANK, FEEDER SLIDE
53	00001	S16209	SHAFT, FEEDER DRIVE
54	00001	102519	GEAR & SPROCKET COMBO
55	00001	503625-1	CAM
56	00001	103405	FOLLOWER, CAM
57	00001	110140	SPROCKET
58	00001	102728	SPRING
59	00001	102520	GEAR, 1636
60	00002	S16221	SPROCKET
61	00002	S16222	STUD
62	00001	S16210	SHAFT, FEEDER DRIVE
63	00001	500772	KNOB
64	00001	508943	SLEEVE, DISCONNECT
65	00001	102215	COLLAR
66	00001	110208	SPROCKET
67	00001	500983-1	STUD, ECCENTRIC IDLER
68	00001	S16270	SHAFT, UNIVERSAL
69	00001	500830	SHAFT
70	00002	503786-2	RAIL, SIDE GUIDE

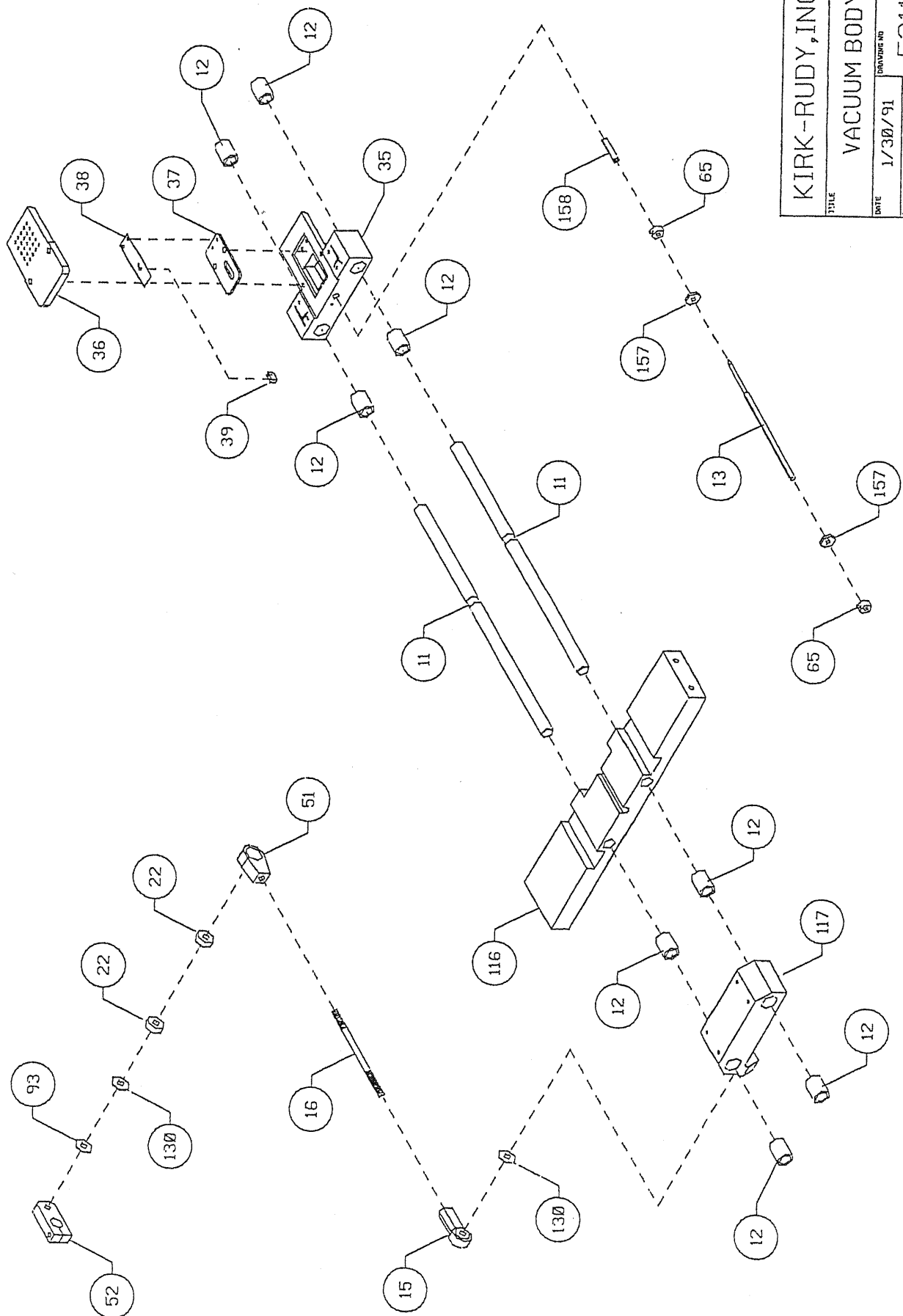
Item	Qty	Part #	Description
71	00002	500755	CLAMP, SIDE GUIDE
72	00001	500788	GUIDE, SIDE
73	00001	500730	PLATE, GATE FEEDER
74	00004	102119	KNOB
75	00002	500810	SHAFT, ADJ TOP ROLLER
76	00006	100409	WASHER
77	00001	500806	PLATE, GATE END
78	00001	190685	QUICK RELEASE
79	00002	500812	KNOB
80	00002	104400	BOLT, HEX
81	00002	500809	SLEEVE, TOP ROLLER
82	00001	500807	NUT, LOCK BRIDGE
83	00003	102701	SPRING
84	00001	500795	PLATE, BRIDGE
85	00001	500805	PLATE, BRIDGE
86	00001	500799-2	BLOCK, CONNECTOR
87	00001	500808-1	PLATE, TOP BRIDGE
88	00002	S16218	ASSY, FORK
89	00002	508759	SCREW
90	00002	508750	BAR, SPRING
91	00002	508760	SHAFT, SPRING
92	00002	508757	HOLDER, SPRING SHAFT
93	00005	102308	SPACER
94	00002	102723	SPRING
95	00002	102204	COLLAR
96	00002	100135	BUSHING, P50 4
97	00002	100162	BUSHING, P50 5
98	00002	521297	PLATE, INSIDE SWING
99	00002	508754-2	GUSSET
100	00002	508752	GUIDE, BELT
101	00002	S16217	PLATE, OUTSIDE SWING
102	00002	508989	BRACKET, ARM
103	00001	S16216	SHAFT, TOP ROLLER DRIVE
104	00001	S16215	SHAFT, TOP ROLLER
105	00001	190600	SPIDER, DRIVE

Item	Qty	Part #	Description
106	00002	508746	ROLLER, UPPER FEED
107	00002	101100	BEARING, ONE WAY
108	00002	102200	COLLAR
109	00004	508762	STUD, TAKE-UP
110	00004	508761-2	ROLLER, TAKE-UP
111	00001	500799-5	BLOCK, CLAMP SUPPORT
112	00001	500799-3	PLATE, CLAMPING
113	00001	S16268	JOINT, UNIVERSAL
114	00001	S16269	JOINT, UNIVERSAL
115	00001	S16220	PLATE, BEARING
116	00001	503752	BRACKET, FEEDER SUPPORT
117	00001	503701	BRACKET, FEEDER
118	00002	S16290	LEG, FEEDER
119	00001	S16201	PLATE, SIDE
120	00002	508753	ROLLER, IDLER
121	00005	104100	RING, EXTERNAL
122	00002	105204	PIN, ROLL
123	00002	105600	SHAFT, THREADED
124	00001	100401	WASHER
125	00001	190612	CLIP, WIRE
126	00002	500775	PLATE, FEEDER PUSHER
127	00002	102700	SPRING, COIL
128	00002	500760	LIFTER, FEEDER PUSHER
129	00002	500762	PLATE, FEEDER PUSHER
130	00002	102345	SPACER
131	00001	500845	TABLE, JOGGER
132	00001	100109	BUSHING, P102-12
133	00001	500715	PLATE, REAR GUIDE
134	00001	102112	KNOB
135	00001	105601	SHAFT, THREADED
136	00001	500770	HUB, REAR GUIDE SHAFT
137	00002	500771	CLIP, REAR GUIDE
138	00001	500714	BRIDGE, REAR GUIDE
139	00001	500860	LEG, JOGGER TABLE
140	00001	105608	SHAFT, THREADED

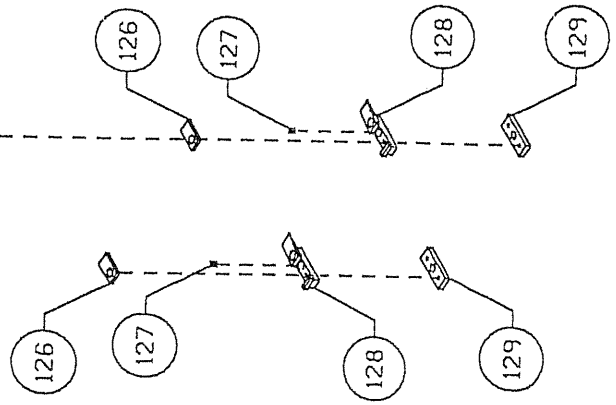
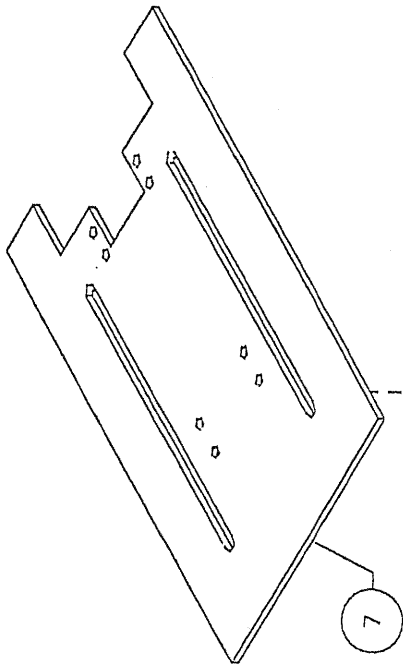
Item	Qty	Part #	Description
141	00002	501040	WASHER
142	00001	500880	BRACKET, JOG TABLE SUPPORT
143	00001	500878	SUPPORT, JOGGER TABLE
144	00002	500847	BRACE, FORM REST
145	00008	103108	FLAT, BEARING R8
146	00002	105914	BELT, FBG20
147	00002	100601	WASHER, FLAT
148	00004	102302	SPACER
149	00008	102301	SPACER
150	00006	104100	RING, EXTERNAL
151	00005	104106	RING, EXT RETAINING
152	00002	105974	BELT, FBG20
153	00003	103817	ER-10
154	00001	102657	SPACER
155	00002	500768	BRACKET, REAR GUIDE
156	00001	500769	SHAFT, REAR GUIDE
157	00002	500737	WASHER, BUMPER
158	00001	100131	BUSHING, P26 10
159	00001	S16208	SHAFT, SPACER
160	00002	S16291	LEG, FEEDER
161	00001	503630-1	SHAFT, GEAR
162	00001	527002	SECTION, BRIDGE GATE
163	00001	527005-1	EXTENSION, BRIDGE
164	00001	527003	PLATE, BRIDGE SUPPORT
165	00001	527007-1	PLATE, BRIDGE SUPPORT
166	00001	527006-1	PLATE, BRIDGE SUPPORT
167	00003	527004-1	SPACER, BRIDGE SUPPORT
168	00002	103112	BEARING, FLAT .750 ID
169	00001	110108	SPROCKET, IDLER 25B22
170	00001	S16278	STUD, GEAR & SPROCKET IDLER
171	00001	508790-1	STUD, TAKE-UP SPROCKET
172	00002	500771	CLIP, REAR GUIDE
173	00001	500714	BRIDGE, REAR GUIDE
174	00001	500860	LEG, JOGGER TABLE
175	00001	105608	SHAFT, THREADED



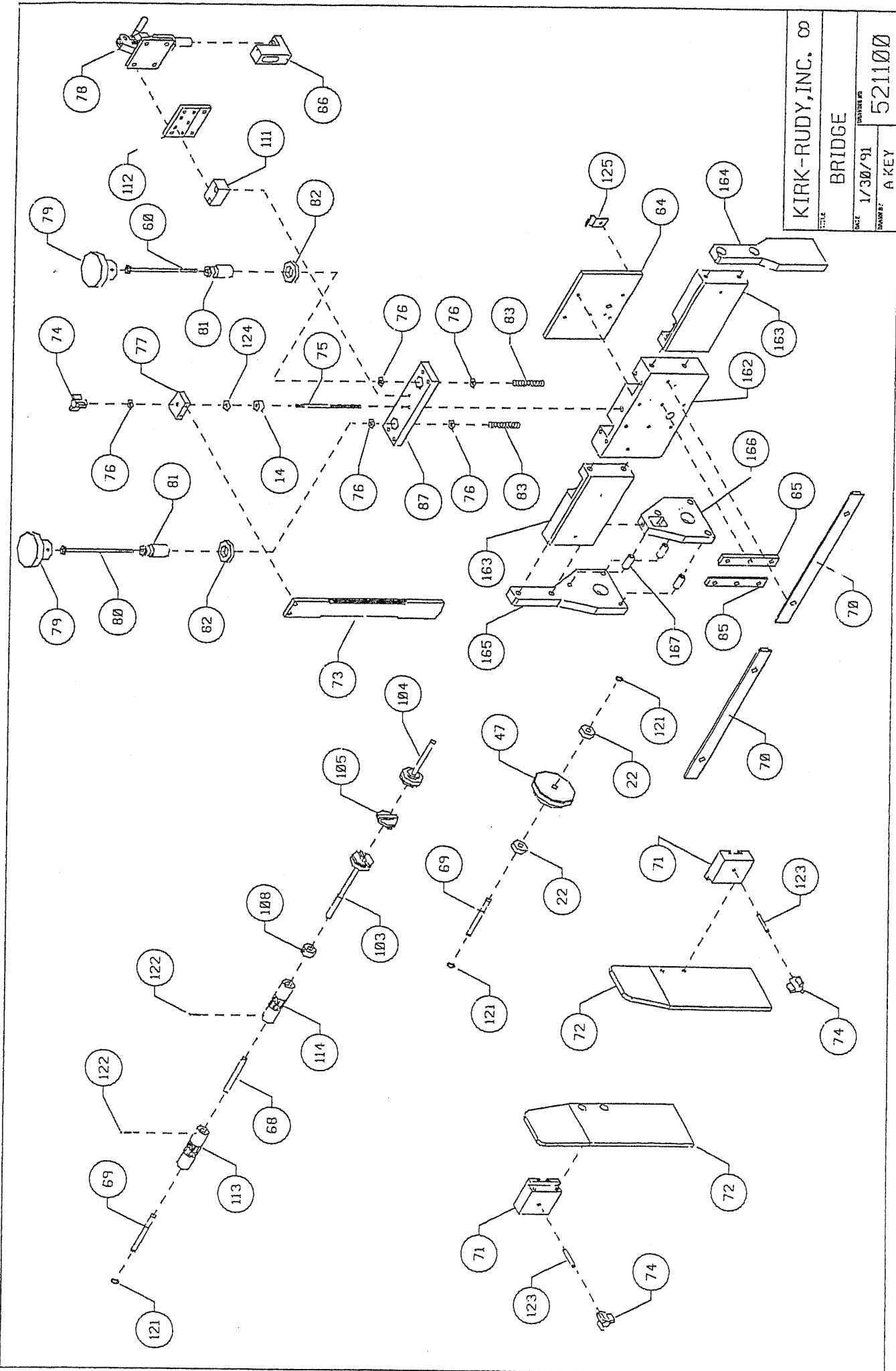
## 2.2 DIAGRAMS



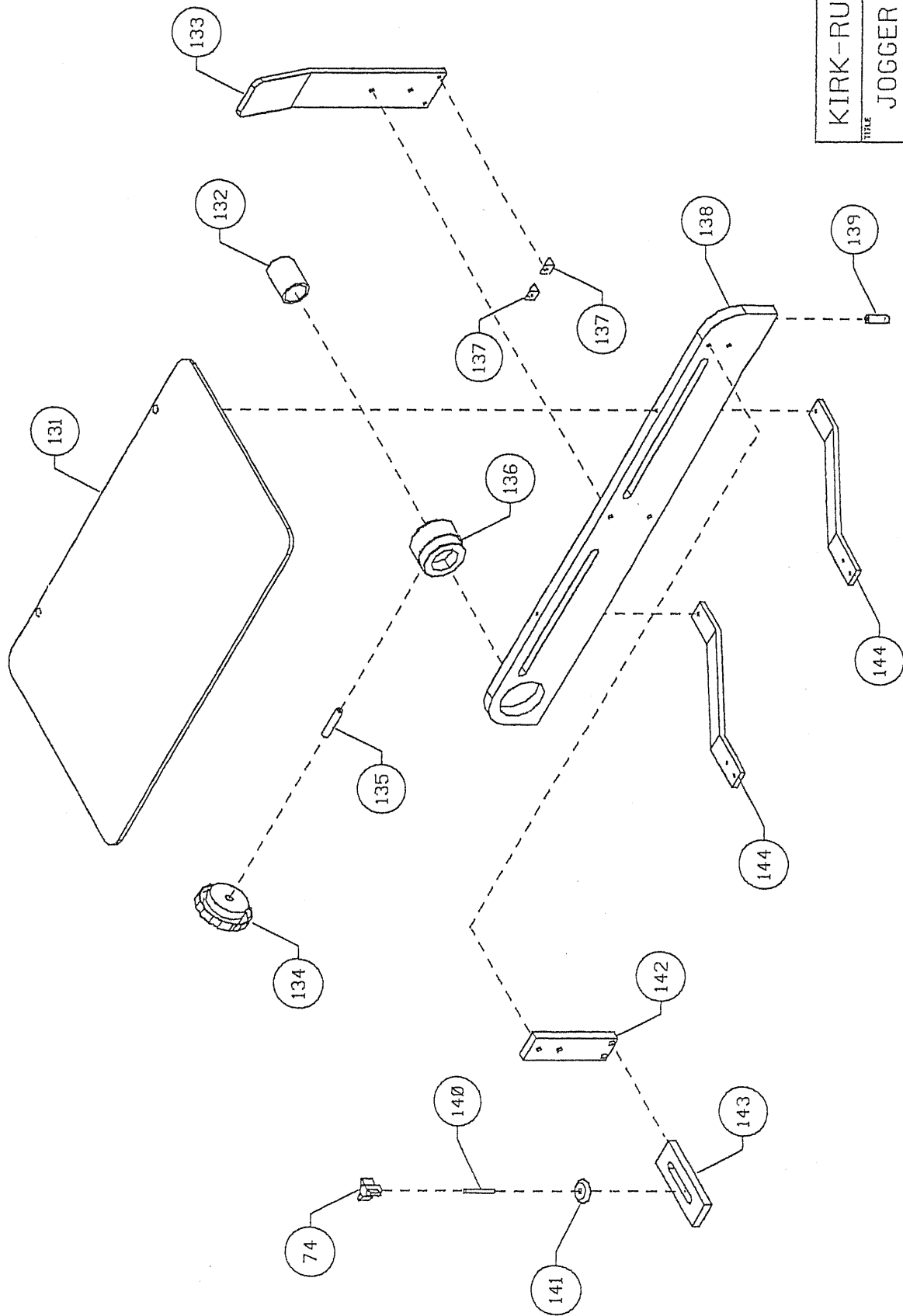
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VACUUM BODY	
DATE	1/30/91
DRAWN BY	A KEY
521100	



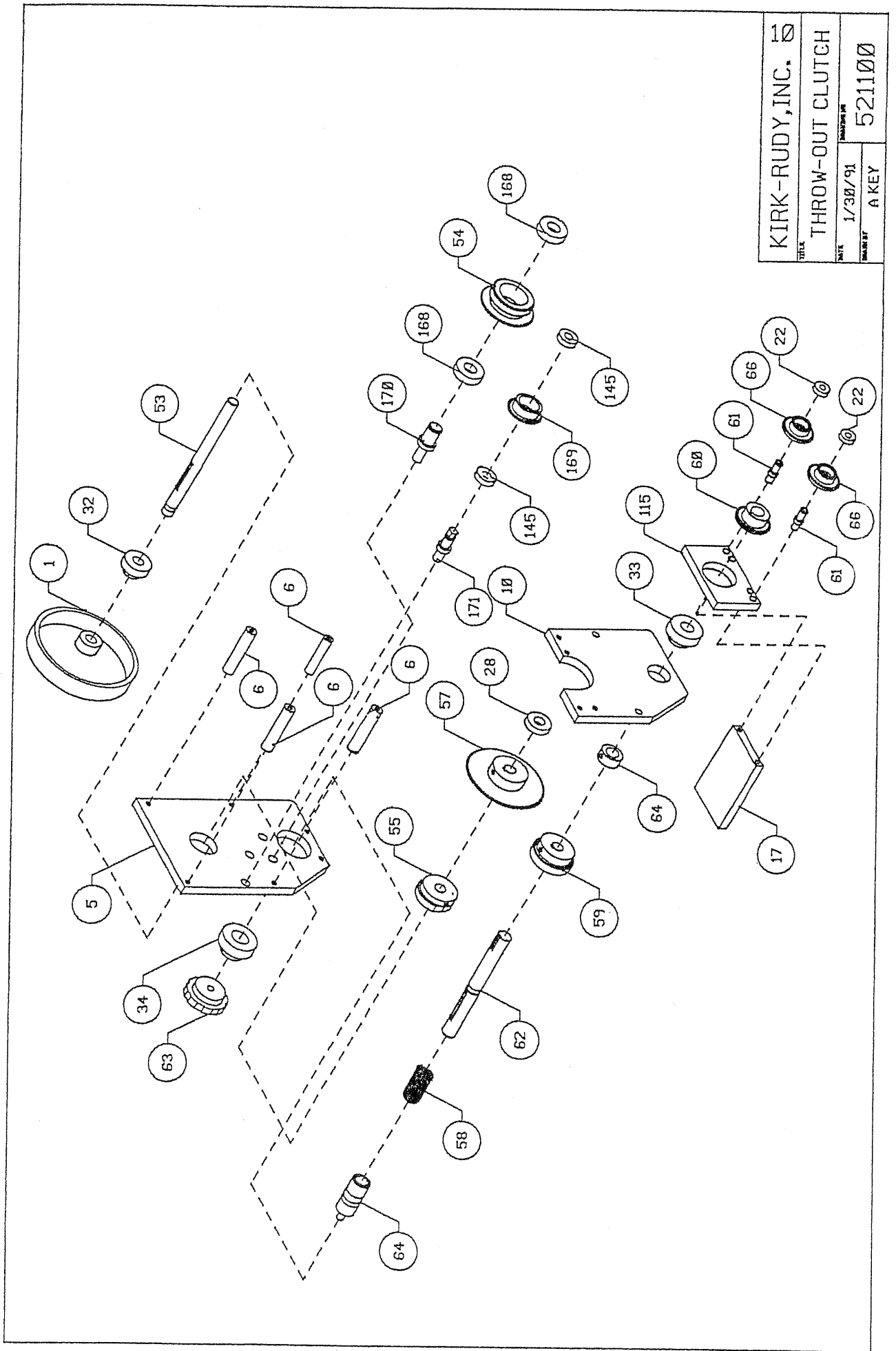
KIRK-RUDY, INC. ~	
SHUTTLE TABLE	
DATE	1/30/91
DRAWN BY	A KEY
1100	



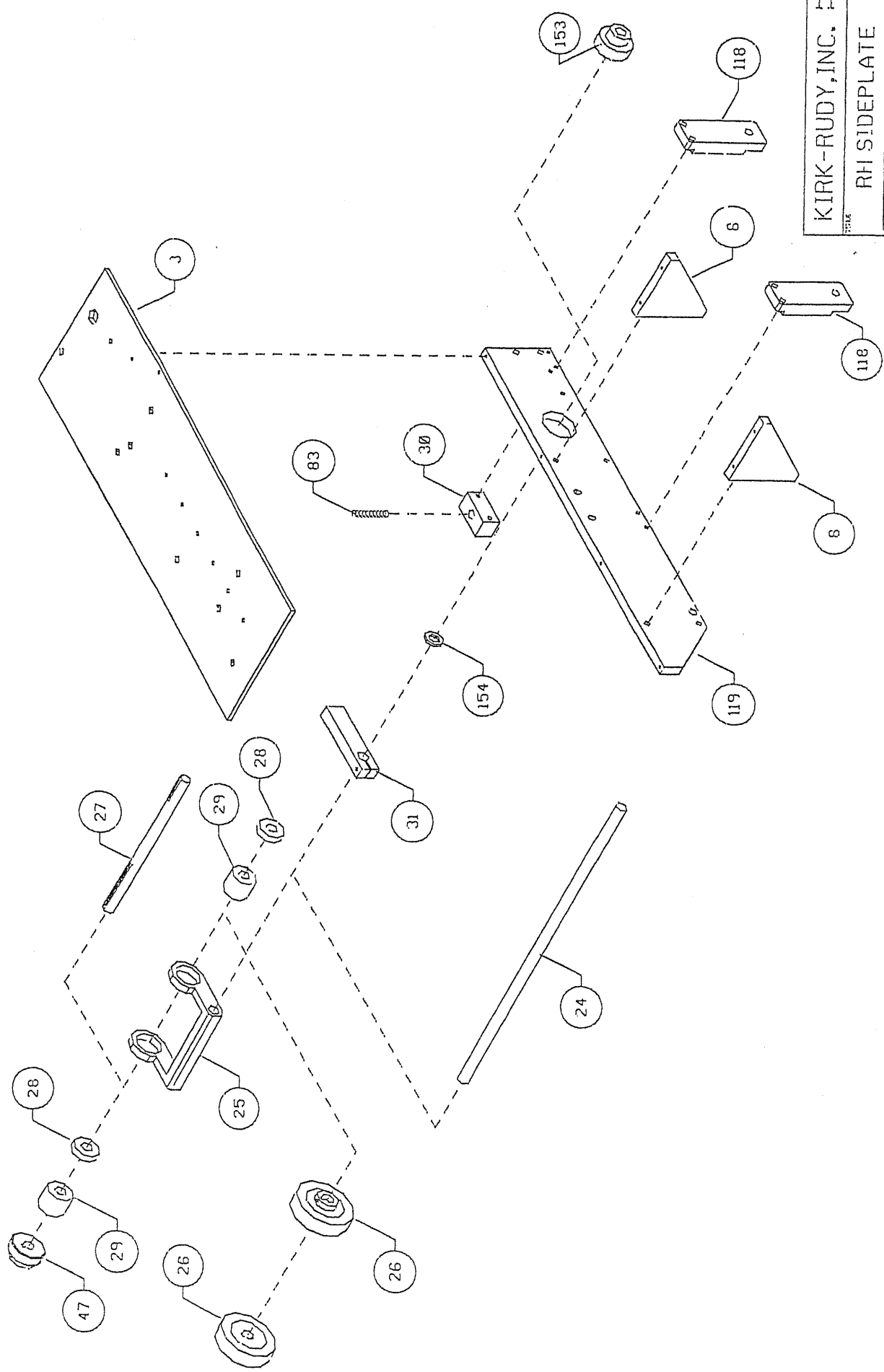
KIRK-RUDY, INC. ∞	
BRIDGE	
DATE 1/30/91	DRAWING NO. 521100
DRAWN BY	A KEY



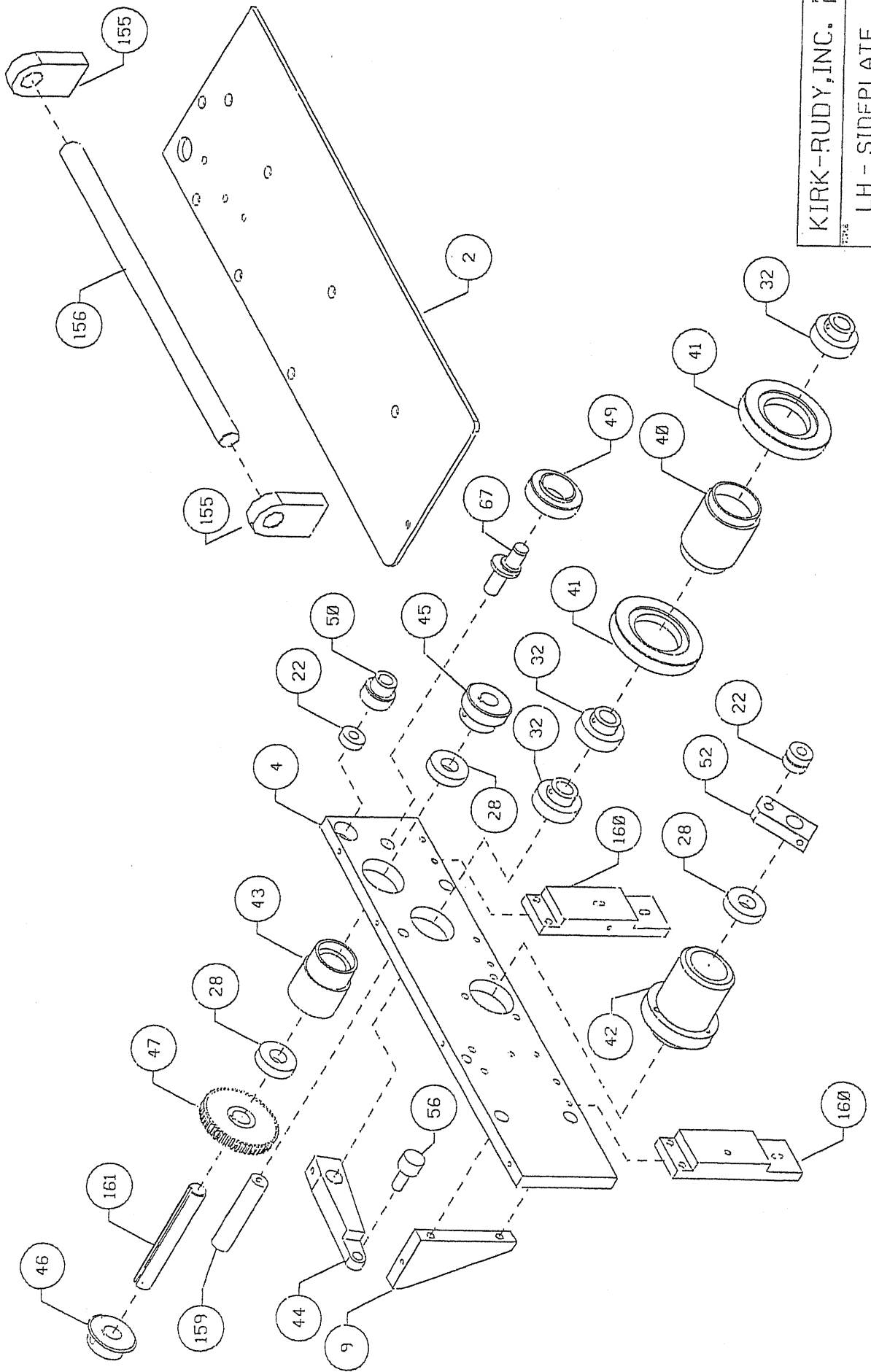
KIRK-RUDY, INC.		DR
TITLE		
JOGGER TABLE		
DATE	1/30/91	DRAWING NO
DRAWN BY	A KEY	1100



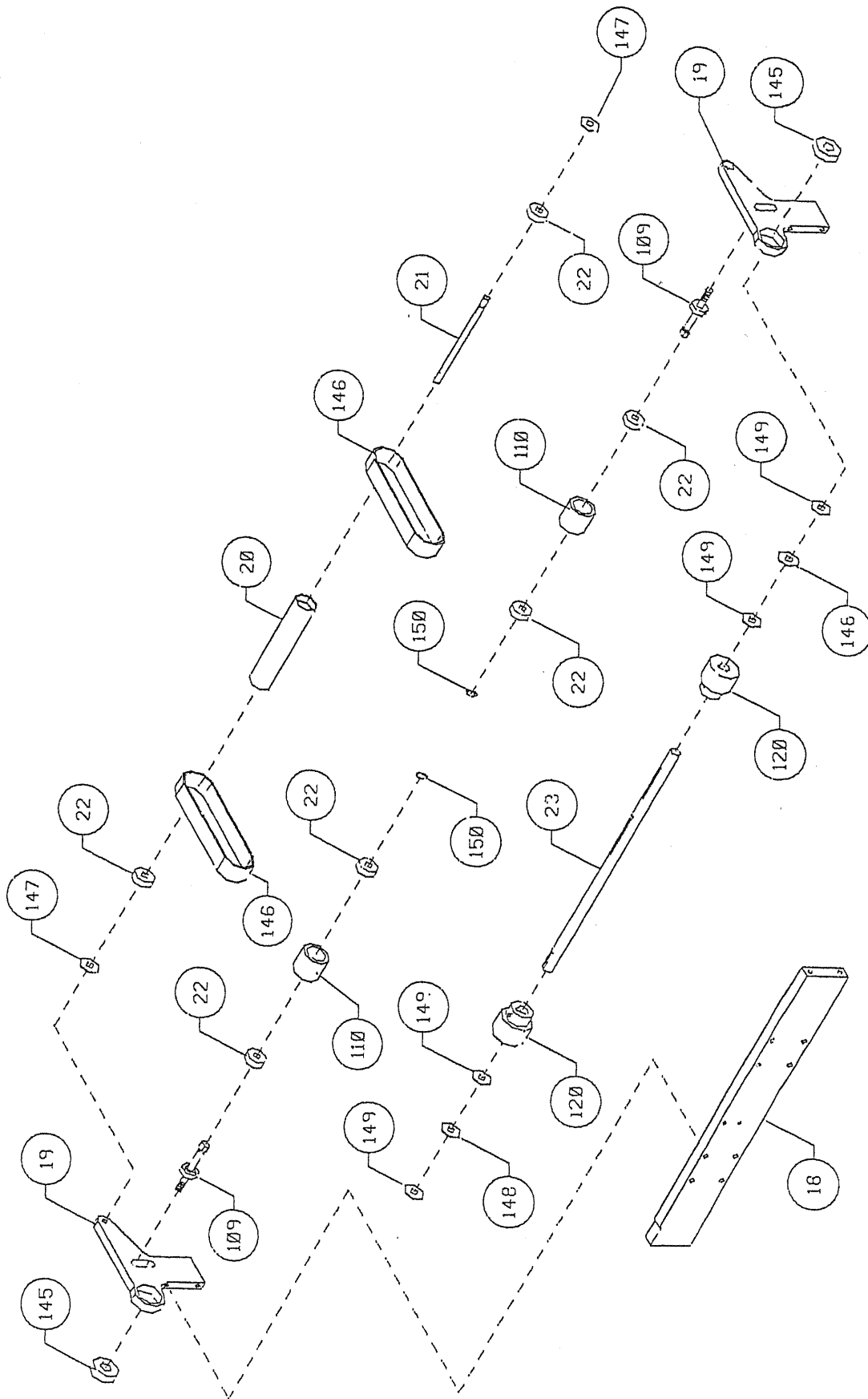
KIRK-RUDY, INC. 10	
THROW-OUT CLUTCH	
DATE	1/30/91
BY	A KEY
521100	



KIRK-RUDY, INC. E	
RH SIDEPLATE	
DATE	1/30/91
BY	AKEY
J21100	



KIRK-RUDY, INC. 12	
LH - SIDEPLATE	
DATE	1/30/91
DESIGNED BY	A KEY
521100	



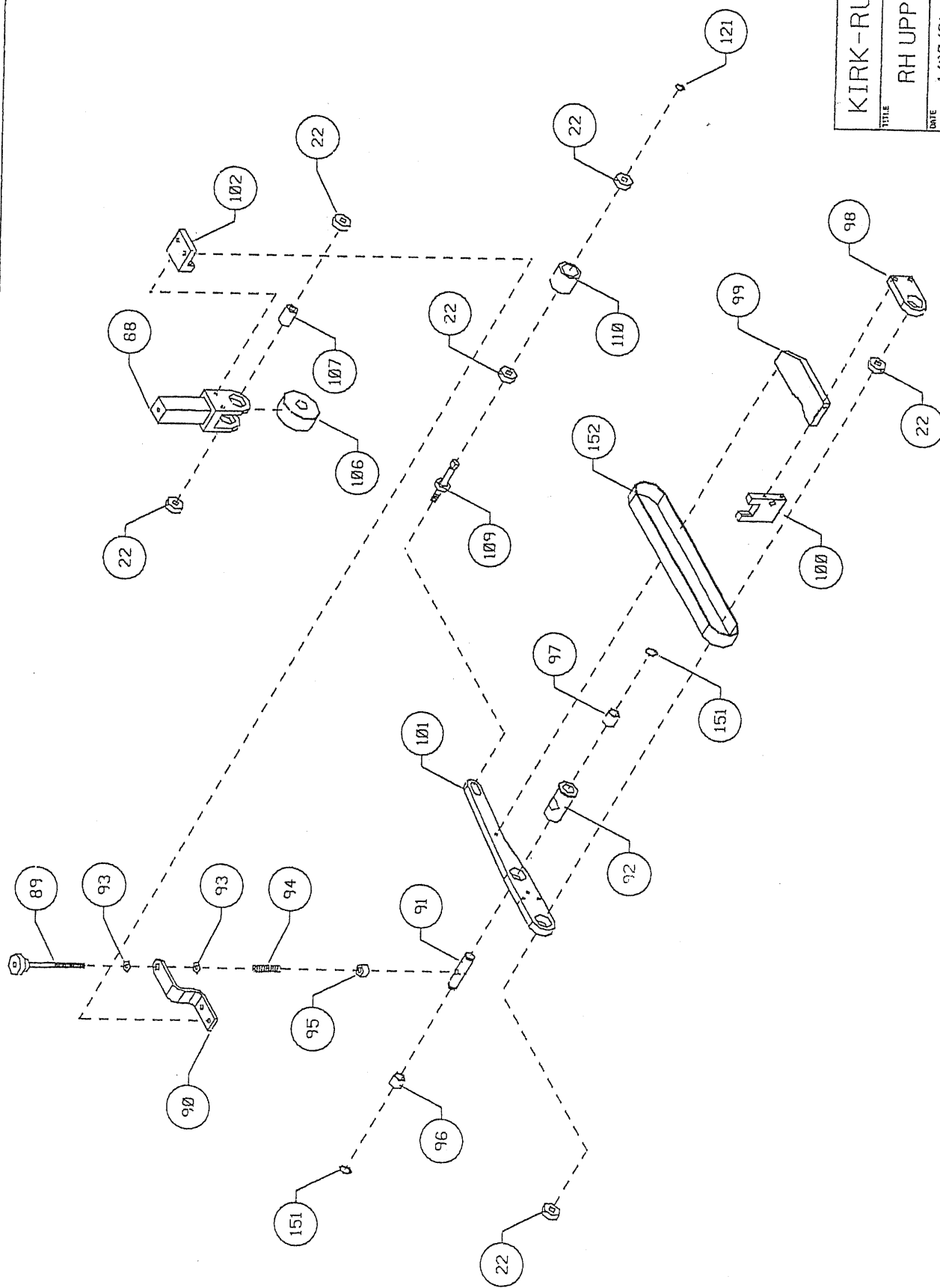
KIRK-RUDY, INC. 3

LOWER BELTS

DATE 1/30/91 DRAWING NO.

QUANTITY A KEY 21100





KIRK-RUDY, INC. 14	
RH UPPER BELT	
DATE	1/30/91
DRAWING NO.	521100
DRAWN BY	A KEY

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## This image shows a single page of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.

## 4 WARRANTY AND SERVICE

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### 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.**  
2700 KENNESAW DUE WEST ROAD  
KENNESAW, GA 30144  
770-427-4203  
FAX 770-427-4036