

**REPLACEMENT OR
ADDITIONAL MANUALS
AVAILABLE AT
EXTRA COST.**

**KIWI CODERS CORPORATION
MODEL 72 CODER**

KIWI CODERS CORPORATION - 265 E. MESSNER DRIVE, WHEELING, IL 60090-6495 USA
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**GIVE SERIAL NUMBER OF YOUR PRINTER WHEN ORDERING PARTS.
ORDER PARTS BY FULL DESCRIPTION AND PART NUMBER.**

PARTS LIST - Model 72

Fig. 2

ITEM	DESCRIPTION	PART NO.	QTY
1	Assy, Marking Wheel Cover	F038056	1
2	Assy, Marking Wheel 2"	F038059	1
3	Assy, Timer	F038029	1
4	Knob	F036964	1
5	Thumbscrew 10-32	F036987	3
6	Washer, 1/4 ID	F035117	3
7	Cover, Marking Wheel	F038036	1
8	Ring, Retaining - 1/4	F035093	3
9	Ring, Retaining - 3/4	F037013	1
10	Track, Drive - Rubber	F035035	2
11	Wheel, Marking 2"	F038038	1
12	Bearing 3/8 ID X 7/8 OD	F093209	1
13	Ring, Retaining - Int	F037001	1
14	Spring, Garter	F036960	2
15	Ring, Retaining - Ext	F011152	1
16	Washer, 1/2 ID	F037021	1
17	Screw 10-32 X 1/2	F011153	1
18	Axle, Pulley	F036977	1
19	Pulley, Timer w/o hub	F036976	1
20	Washer, Lock #10	F011162	1
21	Bushing, Flanged	F036969	1
22	Arm, Cam Follower	F036966	1
23	Spacer, Cam Follower	F036961	1
24	Bearing, 3/16 ID X 1/2 OD	F011170	1
25	Screw, 10-32 X 3/4	F037011	1
26	Plate, Indexing & gear	F038032	1
27	Bearing, Sleeve - nylon	F036954	1
28	Axle, Marking Wheel 2"	F036972	1
29	Plate, Cam	F036970	1
30	Pulley, Timer with hub	F036975	2
31	Screw, Shoulder 10-32 x 5/16	F037019	2

KIWI CODERS CORPORATION-265 E. MESSNER DR.-WHEELING, IL 60090-708/541-4511

GIVE SERIAL NUMBER OF MACHINE WHEN ORDERING PARTS.
ORDER PARTS BY FULL DESCRIPTION AND PART NUMBER.

FIGURE 2

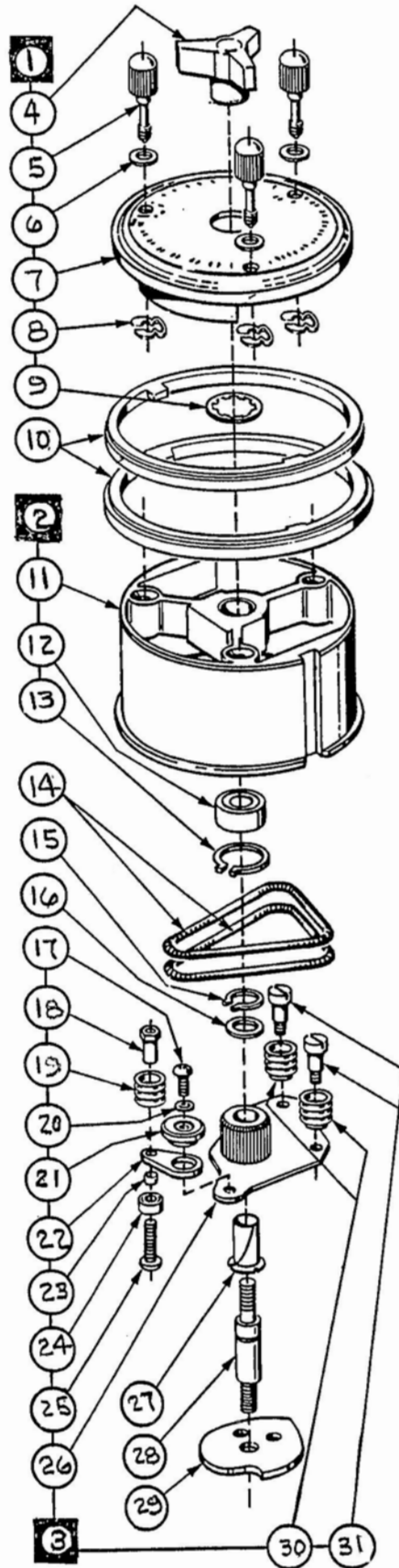
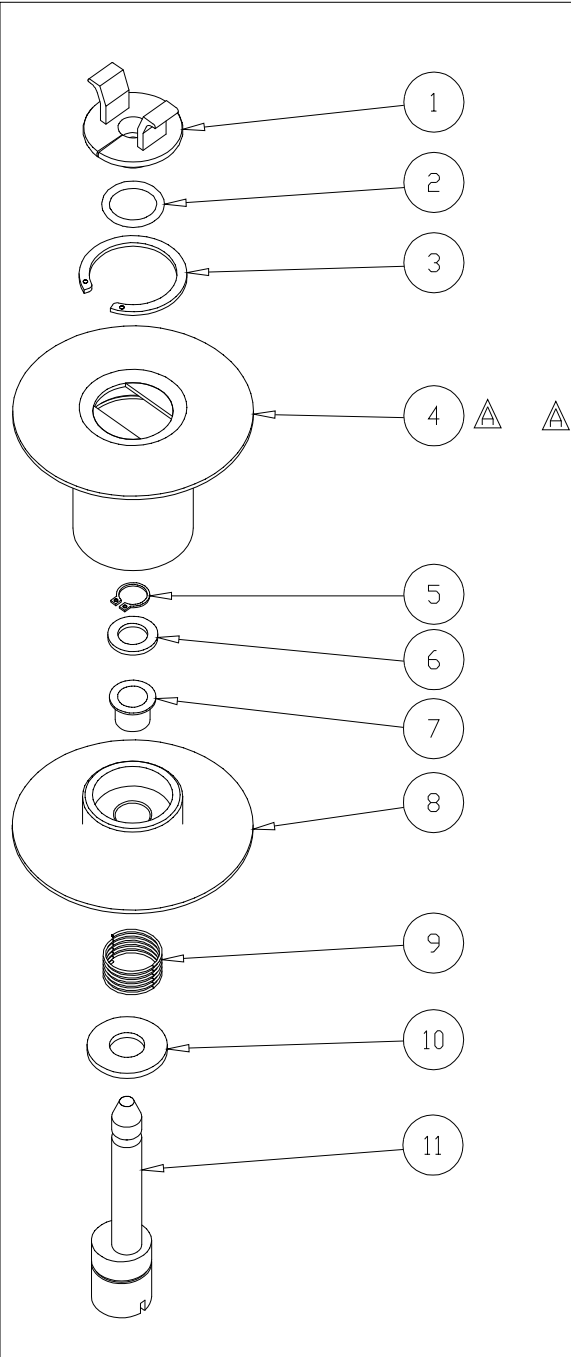


FIGURE 3



REVISIONS			
SYM	DESCRIPTION	DATE	DRAWN BY
A	WAS F038033 IS F038034	12/10/07	MR

<i>BILL OF MATERIALS</i>			
ITEM	DESCRIPTION	PART NO.	QTY
1	FINGER GRIP	F036959	2
2	O-RING	F037004	1
3	RETAINING RING, 1-1/4 INTERNAL	F037002	1
4	INKER SPINDLE - ONLY	F038034	1
5	RETAINING RING, 3/8 EXTERNAL	F035092	1
6	WASHER, NYLON, 3/8 X 5/8 X 1/16	F035126	1
7	SLEEVE BEARING, NYLON, 3/8 ID	F036955	1
8	INKER SUPPORT FLANGE	F036958	1
9	COMPRESSION SPRING, INKER	F037016	1
10	WASHER, STEEL, 3/8 X 1 X .09 THICK	F011173	1
11	ECCENTRIC AXLE	FC38278	1

THIS ASSEMBLY USED AFTER 11/6/06
FOR MODEL 72 ONLY
ALSO USED AS A RETROFIT


		KIWI CODERS CORPORATION	
		265 E. MESSNER DR. WHEELING, IL. 60090	
TITLE		ASSEMBLY, INKER SPINDLE FOR MODEL 72	
SCALE	NTS	DATE	11/06/06
DRN BY		MR	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		dec .00 + -.015 dec .000 + -.005 ong +- 1/2 deg	DWG FC38277
		REV	A

FIGURE 4

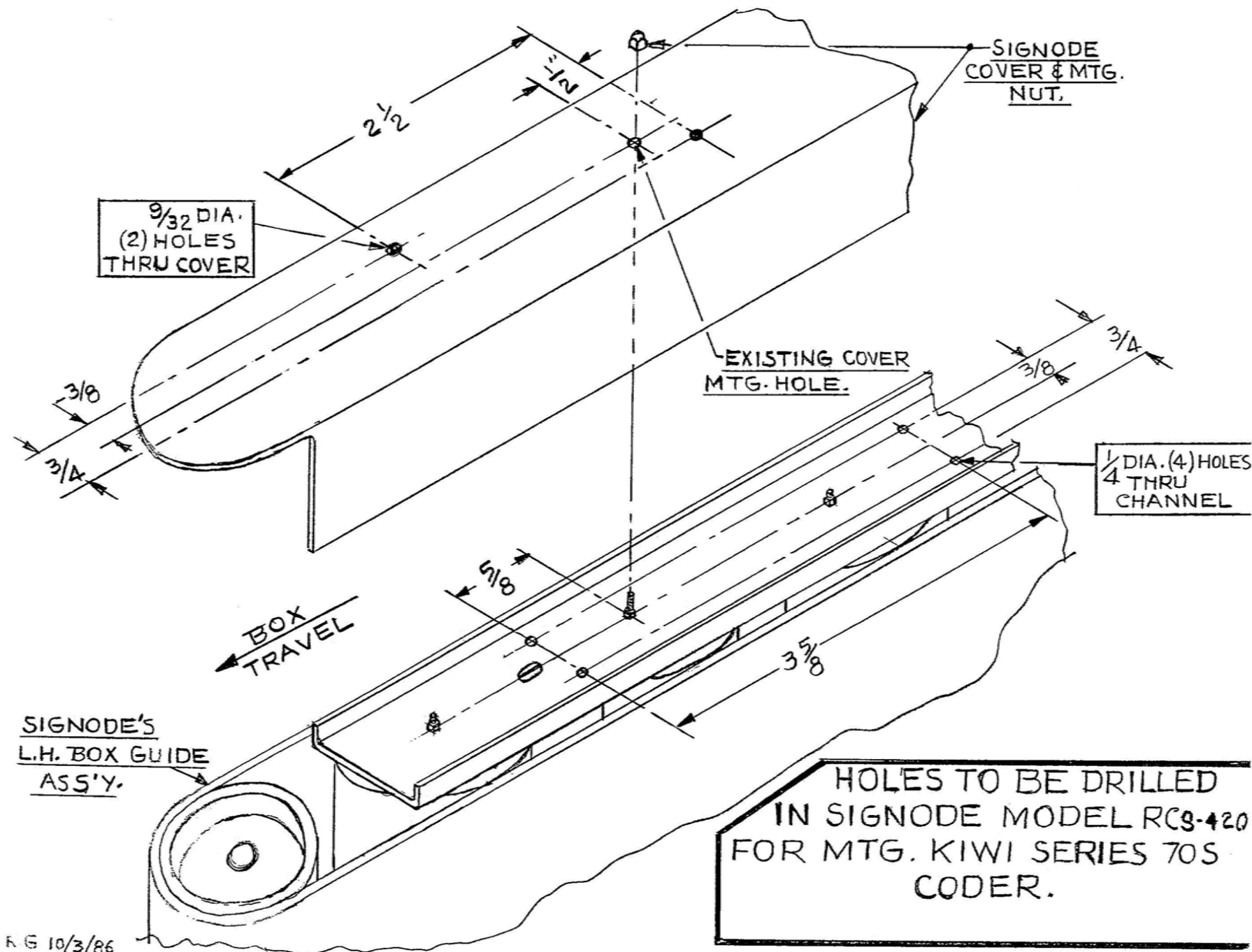


FIGURE 5

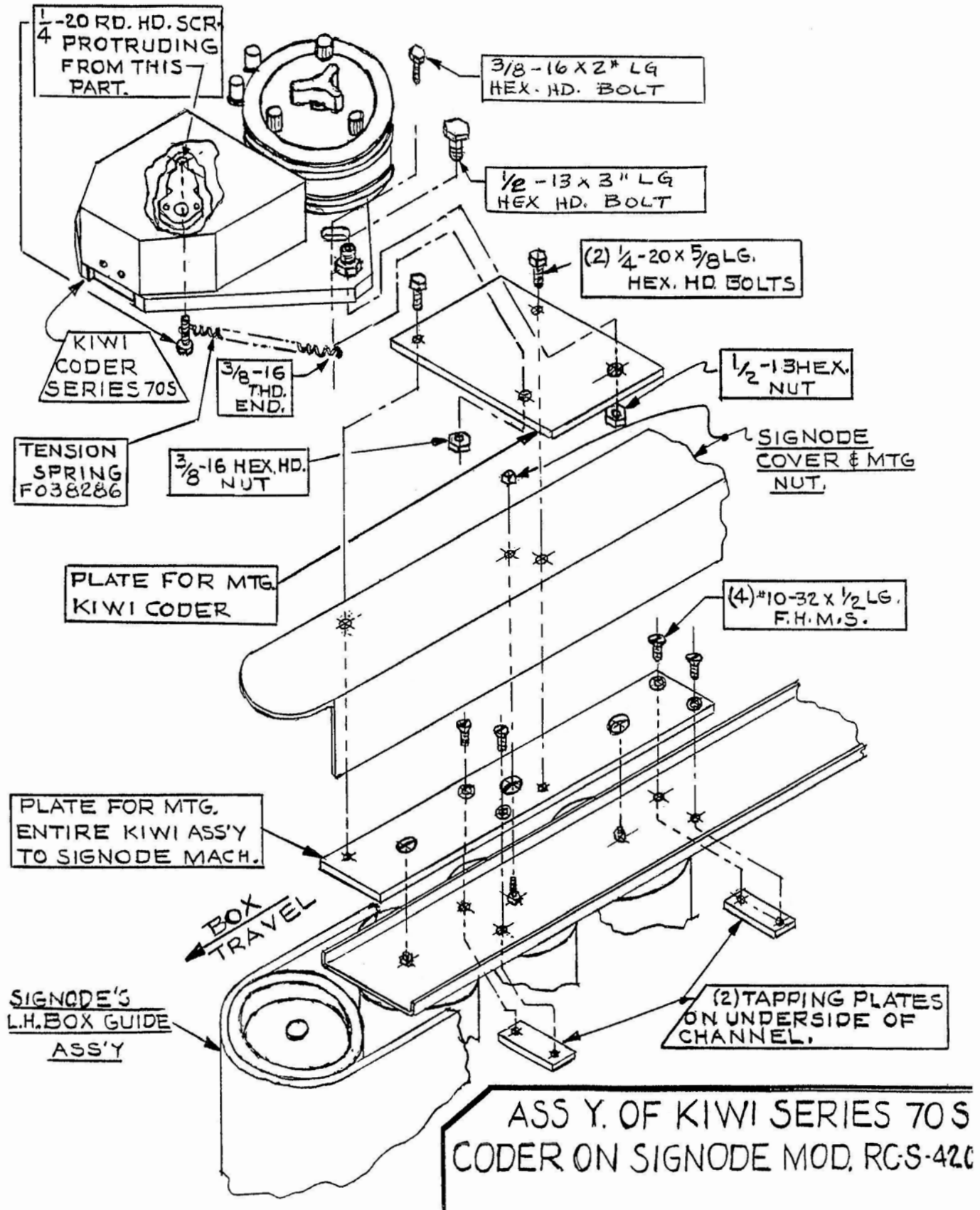
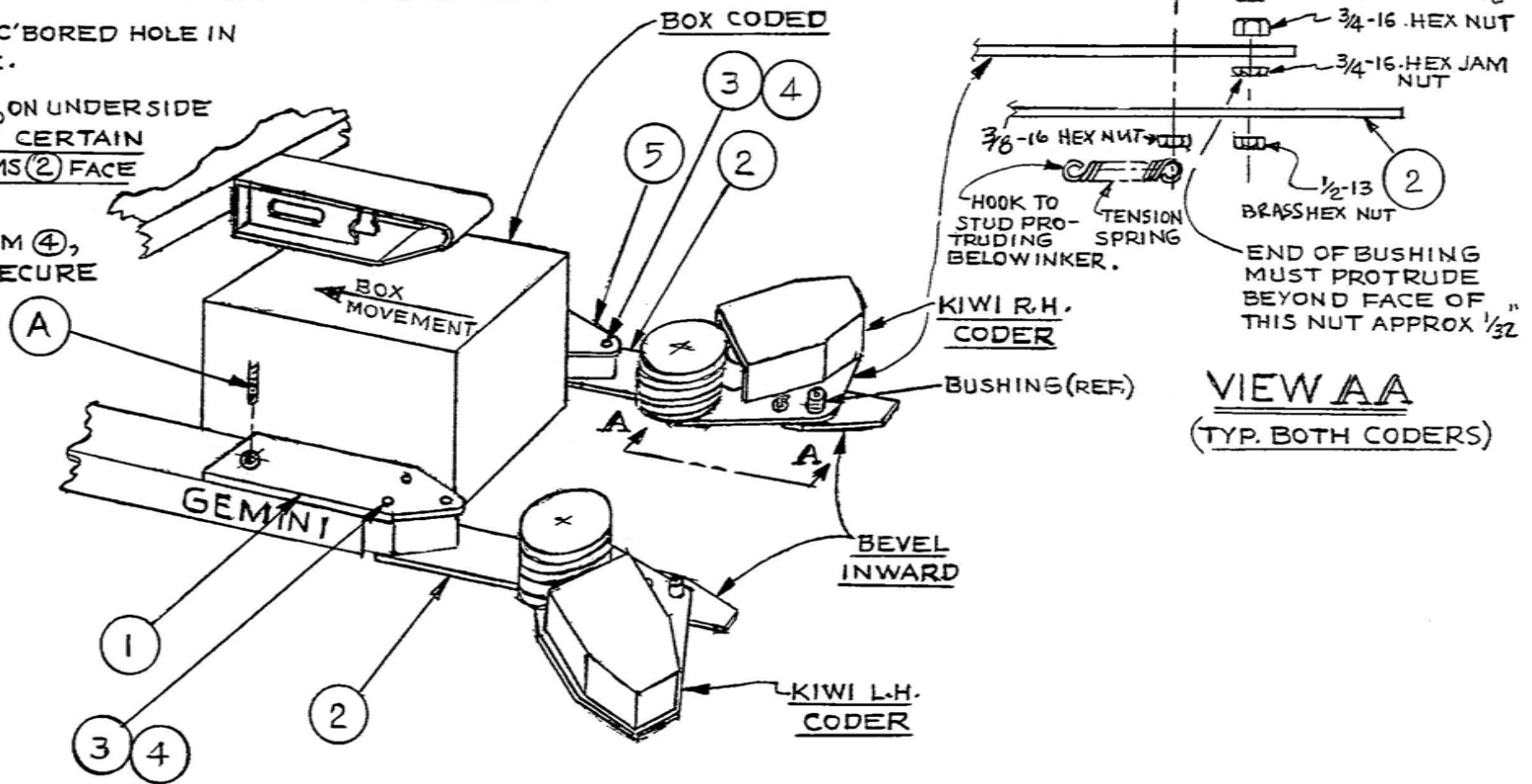


FIGURE 6

INSTALLATION INSTRUCTIONS

1. REMOVE SCREW 'A', BOTH SIDES OF MACHINE.
2. PLACE ITEM ① & ITEM ⑤ IN POSITION SHOWN WITH C'BORE FACING UP & IN LINE WITH HOLE 'A' SCREW WAS REMOVED FROM.
3. RE-INSERT SCREWS 'A' THRU C'BORED HOLE IN ITEMS ① & ⑤ & SECURE SAME.
4. POSITION ITEMS ②, BOTH SIDES, ON UNDERSIDE OF GUIDES AS SHOWN. MAKE CERTAIN THAT BEVELED EDGE ON ITEMS ② FACE INWARD.
5. NOW PASS ITEMS ③ THRU ITEM ④, THEN THRU ITEMS ① OR ⑤ & SECURE INTO ITEMS ②



KIWI CODERS CORPORATION 265 E. MESSNER DRIVE WHEELING, ILL. 60090			
TITLE: KIT MTG. BRKTS (SIGNODE MOD. UCS-1201)			
MAT'L: ~	FINISH: ~	SCALE: ~	DATE: 6/22/83
TOLERANCES UNLESS OTHERWISE SPECIFIED: FRACT. ± 1/64 DEC. ± .005 ANG. ± 1/2°		PART NO.	DRAWING NO. F037976

TYPE SYSTEMS

The Series was designed to accept the following type systems:

1. KIWI Channellok Deepcut Type (standard).
2. Baselock type (optional).
3. KIWI Adhesive Back Printing Mat. (optional)

In all cases, the type projection beyond the rubber drive tracks is approximately .020". These three type systems are described below:

A. Channellok Type

See KIWI Bulletin No. 191. KIWI deep cut channellok type is available in either individual characters or in strips containing full words, messages or numerals.

The figure at the right shows the general Channellok assembly, while the figures shown below will aid in selecting the proper type for your requirements.

First, determine the character height and the body size of the type. Then, using the charts and figures below, make certain that your type needs do not exceed the available space in the marking wheel.

The "H" dimension shown in chart "a" is the space required for a single line of type. For multiple lines of type, add the "H" dimensions together. The total must not be greater than the available space in the marking wheel ("J" dimension shown in Fig. 8

KIWI Channellok Deepcut Type is available for the Series as listed below.

CHARACTER HEIGHT (inches)	(mm)	STYLE
3/8	10	227D
7/16	11	228D
1/2	13	229D
5/8	16	230D
3/4	19	231D
7/8	22	232D
1	25	400D
1-5/16	33	401D

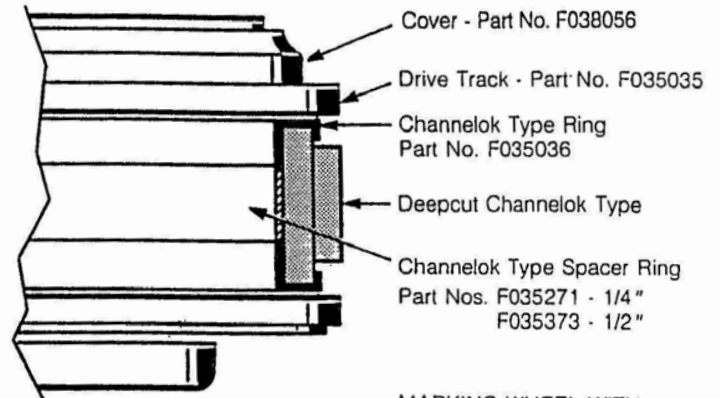


FIGURE 7

MARKING WHEEL WITH CHANNELOK TYPE

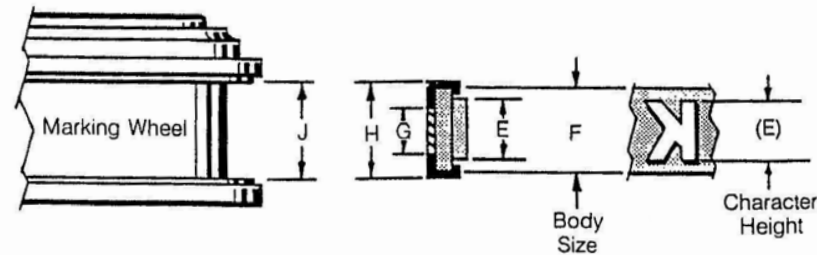


FIGURE 8

a.

CHARACTER HEIGHT E	BODY SIZE F	SPACER DIMEN. G	SPACE REQ'D. H
3/8	1/2	0	5/8
7/16, 1/2, 5/8	3/4	1/4	7/8
3/4, 7/8	1	1/2	1-1/8
1	1-1/4	3/4	1-3/8
1-5/16	1-1/2	1	1-5/8

INK SYSTEMS

Two ink cartridge systems are available. These are the Kiwi K-1 precharged, throw away Ink Cartridge and the K-2 Reinkable Cartridge. These Cartridges are mounted to the Inker Hub Assembly as shown below.

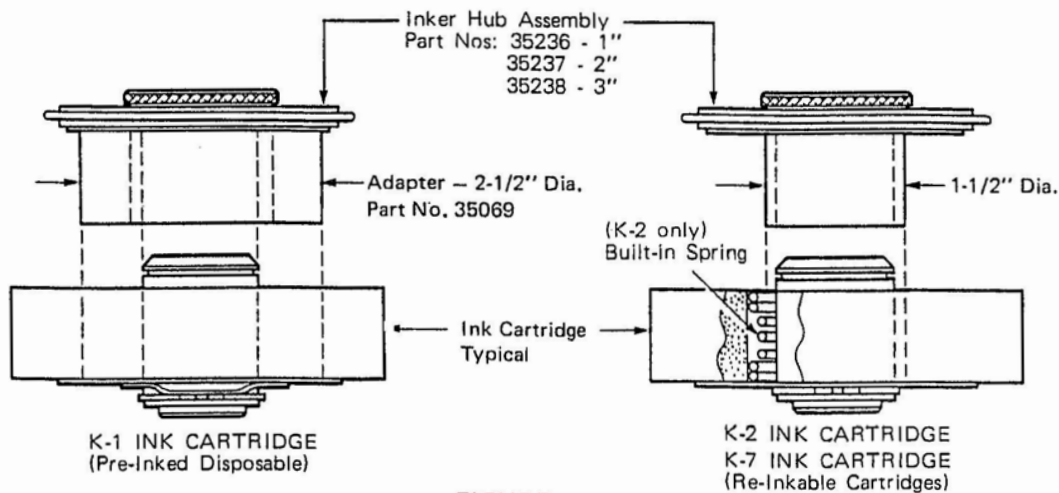


FIGURE 10

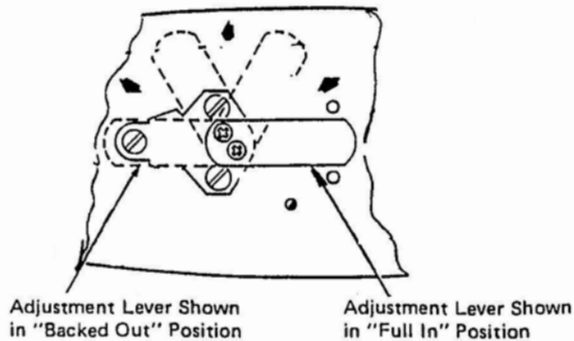
Designed for quick change, the Ink Cartridge assembly "snaps" into place on the Inker Spindle.

- A. **K-1 Ink Cartridge.** The K-1 Cartridge is fully charged with ink and cannot be reinked. It was designed as a disposable unit. Standard face widths are 1, 2 and 3 inches, however, the 1 inch face units are stacked for the desired width. They are available in black, red, green and blue colors.
- B. **K-2 Ink Cartridge.** The K-2 was designed for those who wish to reink. A built in spring permits

the K-2 to float. This prevents misadjustment which could interfere with proper operation of the marking wheel. Constant pressure on the K-2 outer covering by the integral spring extends its life. To obtain the free "floating" action, Item No. 34, P/N 35085, Wave Washer Spring, must be removed from the Inker Hub Assembly. K-2 ink is available in black, red, green and blue colors.

C. Ink Cartridge Adjustment. The ink cartridge spindle is easily adjustable without the use of tools. An eccentric adjustment built into the

Inker Axle permits a total adjustment range of approximately 0.180 inches.



It is recommended that the Ink Cartridge be fully backed out when changing Cartridges. In the fully backed out position, there is approximately 0.040 inch (1mm) clearance between the Marking Wheel and Ink Cartridge.

Use kiss contact between the Ink Cartridge and rubber type. Excessive pressure will:

- a. Restrict Marking Wheel rotation.
- b. Cause premature wear of the Ink Cartridge,
- c. Reduce Ink Cartridge mileage.

VII OPTIONAL EQUIPMENT

A. Anti-Repeat Assembly—Part F038051

This option is recommended for:

- a. Precise imprint registration.
- b. Preventing imprint repetition on cases longer than 16" (circumference of Series 450 marking wheel). After the marking wheel has made its imprint, the two rollers ride on the case. When the end of the case is reached, the rollers fall off permitting the marking wheel to reset.

1. *Setting.* The recommended setting is shown in Figure 16.

2. *Conversion.* The anti-repeat assembly can easily be changed to the opposite "hand." Note that the ring is identified LEFT HAND on one side and RIGHT HAND on the other. Disassemble rollers, invert ring so that desired "hand" is up and reassemble rollers as shown in Figure 17.

ITEM NO	QTY	PART NUMBER	DESCRIPTION
1	2	F036978	Roller Axle
2	2	F036980	Roller, Anti-Repeat
3	1	F038030	Anti-Repeat Ring
4	2	F011162	#10 Lockwasher
5	2	F011153	#10-32 x 1/2 Screw

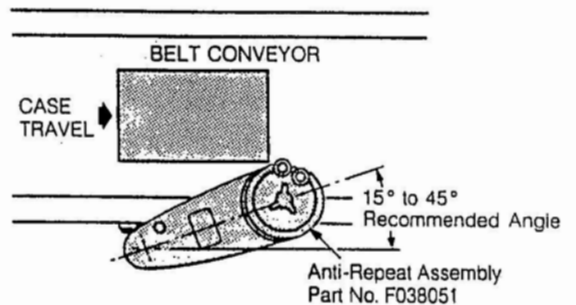
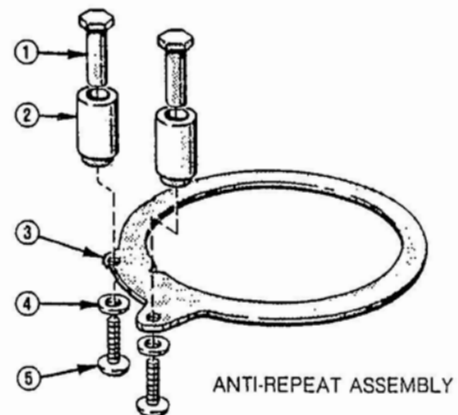


FIGURE 16



**APPLICATION DATA SHEET #505H
KIWI DATA-DOT INK JET AND CASE CODERS FOR 3M CASE TAPERS
REFERENCE KIWI BULLETINS #310 & #330**



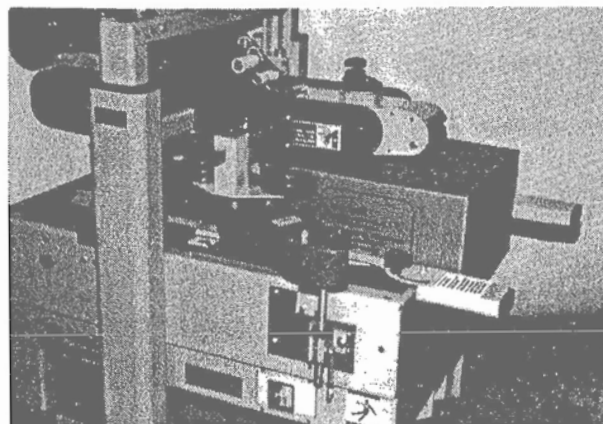
3M MODEL	FRAME WIDTH "A"	CLEARANCE DIMENSION "B"	PRINTING LOCATION	KIWI ITEMS REQUIRED	COMMENTS
200a	24½"	1¾"	SIDE (Contact)	Series 450 Coder Mounting Kit #F038140	Universal Mounting Kit can be used for left or right hand applications. See photos #1 and #2 below.
			FRONT & SIDE (Contact)	Series 460 Coder Mounting Kit #F039189	
			SIDE (Ink Jet)	KIWI Data Dot (2) Metric Screws	Attach unistrut with (2) F093244 metric screens and (2) FO35111 washers
700a	24½"	1¾"	SIDE (Contact)	Series 450 Coder Mounting Kit #F038141	Universal Mounting Kit can be used for left or right hand applications. See photos #3 and #4 below.
			FRONT & SIDE (Contact)	Series 460 Coder Mounting Kit #F039190	
			SIDE (Ink Jet)	KIWI Data Dot (2) Metric Screws	Attach unistrut with (2) F093244 metric screens and (2) FO35111 washers
12A	22½"	4¼"	SIDE (Contact)	Series 450 Coder Mounting Kit #F037975	Universal Mounting Kit. See Photo #6.
			TOP (Contact)	Model 71 T Mounting Kit #F037987	Coder mounts directly to tape head. See. Photo #7.
12AF	22½"	4¼"	SIDE (Contact)	Series 450 Coder	Mount directly to frame or optional 3M infeed conveyor.



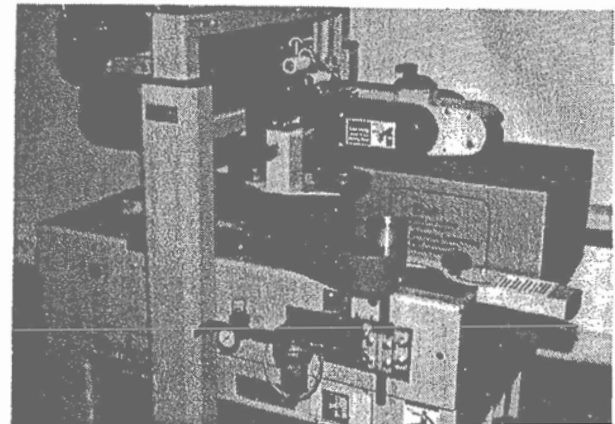
1. KIWI Model 451 on 3M Model 200a Left Hand Mount



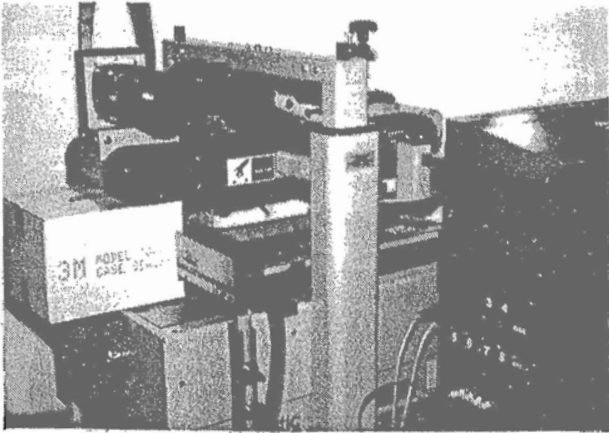
2. KIWI Model 461 on 3M Model 200a Left Hand Mount



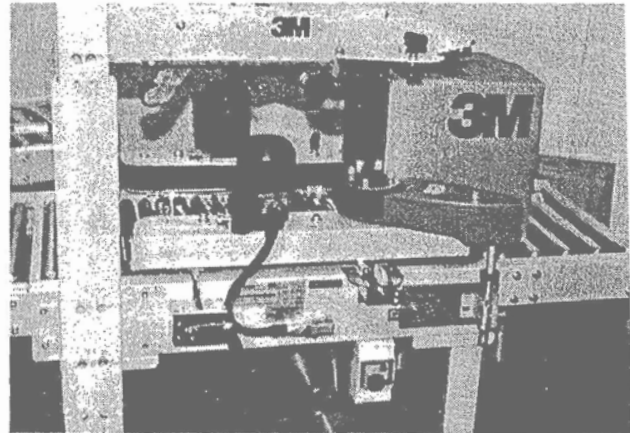
3. KIWI Model 451 on 3M Model 700a Left Hand Mount



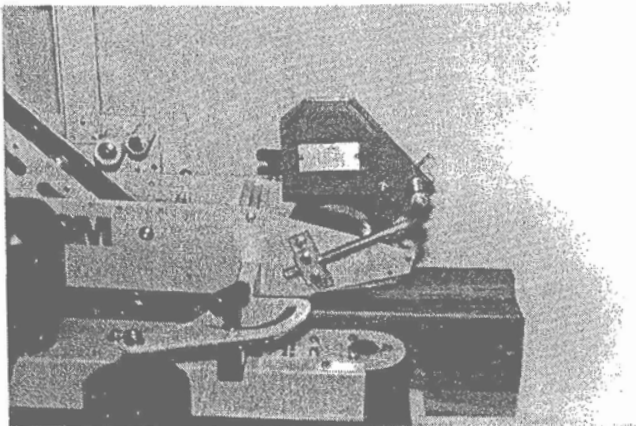
4. KIWI Model 461 on 3M Model 700a Left Hand Mount



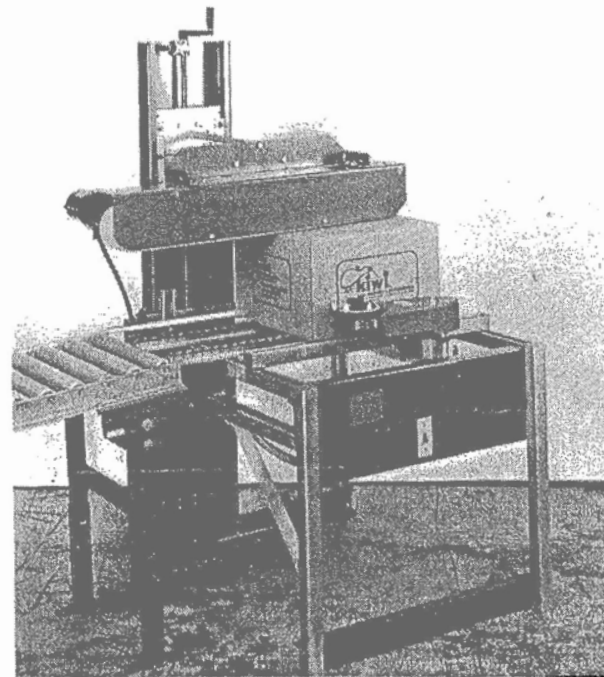
5. KIWI Data Dot on 3M Model 700a
Left Hand Mount



6. KIWI Model 451 on 3M Model 12A
Left Hand Mount



7. KIWI Model 71T on 3M Model 12A



8. KIWI Model 451 on Model CM coding module

NOTES:

For All Case Taper Mountings

1. Complete and return Kiwi specification sheet #149 for each application.
2. 60 PSI air required for Series 460 Coders.
3. Mounting Kits and/or instructions available for other 3M models

**KIWI Model CM
Coding Module**

Occasionally it is difficult to mount coders on case tapers due to space constraints. In these instances a convenient alternative is the Kiwi Model CM Coding Module.

This unit can be used as an outfeed extension for most case tapers and provides ideal mounting and case transport for Kiwi case coders and Data Dot print heads.

Refer to Bulletin 825



Printed in U.S.A.

KIWI CODERS CORPORATION

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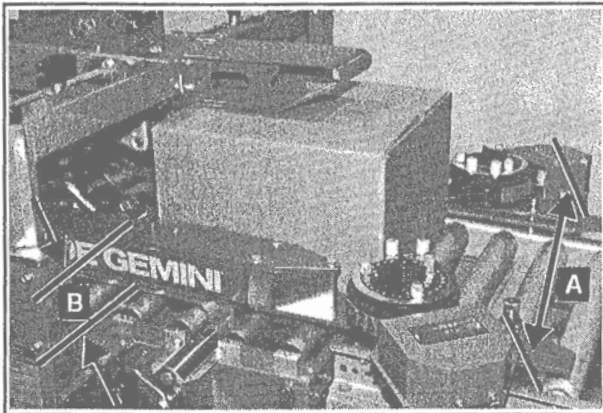
708/541-4511

Fax 708/541-6332

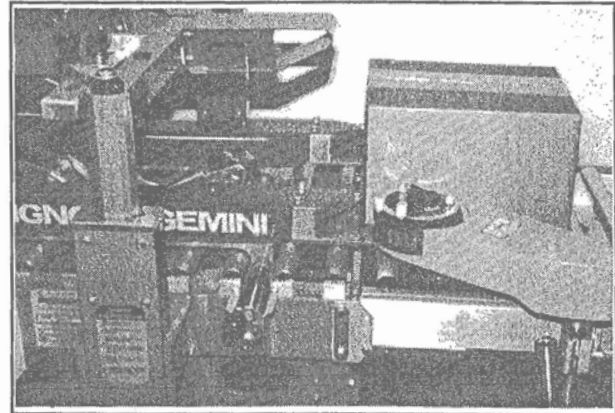
APPLICATION DATA SHEET #512A
KIWI CONTACT AND NON-CONTACT PRINTERS FOR
SIGNODE CASE TAPERS
REFERENCE KIWI BULLETINS #310 & #330



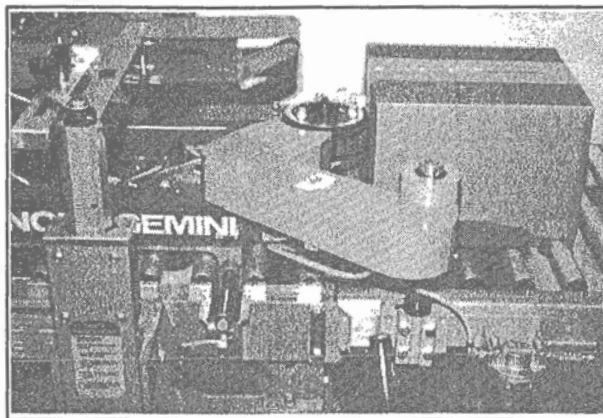
SIGNODE MODEL	FRAME WIDTH "A"	CLEARANCE DIMENSION "B"	IMPRINT LOCATION	KIWI ITEMS REQ'D	REMARKS
UCS-120i	22 1/2"	1 1/4"	SIDE	Model 71 Mtg. kit #F037976	Kit clamps to side belt guards. Cases are pushed past Model 71 coders bolted to kit's guide plates.
		1 1/4"	SIDE	Series 450 Mtg. kit #F037976	Kit's guide plates provide backup for Series 450 coders which mount to optional Signode infeed conveyor.
		3 1/2"	FRONT & SIDE	Series 460 Mtg. kit #F037976	Series 460 mounts on optional Signode infeed conveyor.
	n/a	n/a	TOP	Model 21T Mtg. kit #F010245	Kit clamps to top taping assembly; no drilling necessary.
RCS-420i	22 1/2"	3 1/4"	SIDE	Series 70 Mtg. kit #F037496	Mounting requires drilling of six (6) holes in frame.
RCS-425i	28 1/2"	4 1/2"	SIDE	Series 70 Mtg. kit #F037496	Same mounting procedure as on Model RCS-420i
UCF-820i	25 3/4"	6"	SIDE	Series 450	Coder mounts directly to frame.



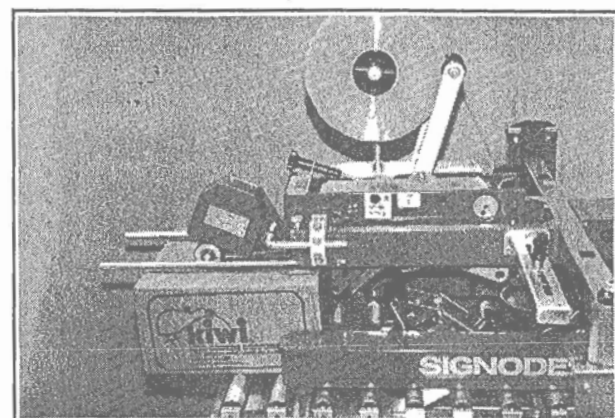
1. Two KIWI Model 71 coders mounted in Signode Model UCS-120i taper.



2. KIWI Model 451 coder mounted on Signode Model UCS-120i taper.



3. KIWI Model 461 front and side coder mounted on Signode Model UCS-120i taper.



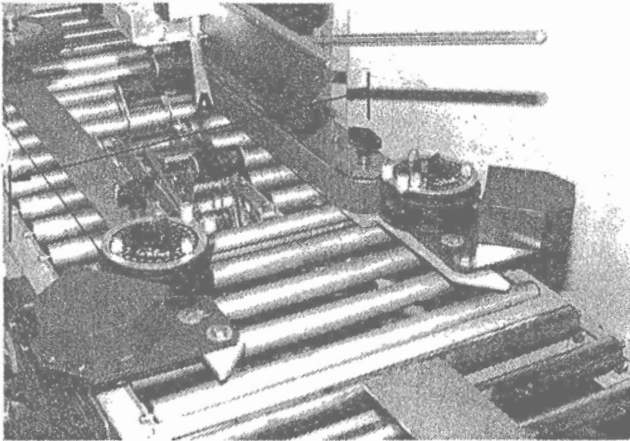
4. KIWI Model 21T coder mounted on Signode Model UCS-120i.

**APPLICATION SHEET #512
KIWI CASE CODERS FOR SIGNODE CASE TAPERS
KIWI BULLETIN #310**

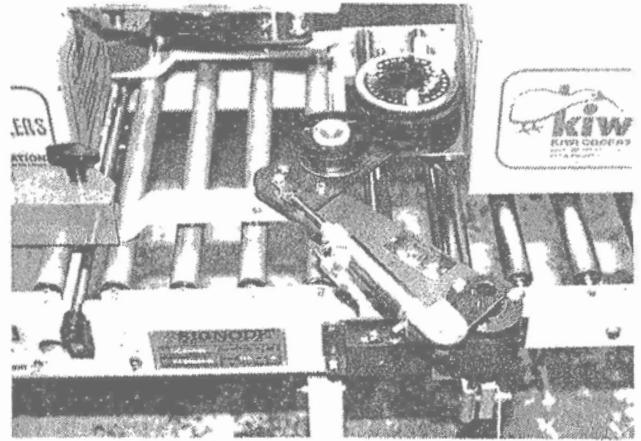


SIGNODE MODEL	FRAME WIDTH "A"	CLEAR. DIM. "B"	MIN. CASE HEIGHT	DESIRED IMPRINT LOCATION	KIWI ITEMS REQ'D	REMARKS
UCS-120	27"	1 5/8"	4 1/2"	SIDE	SERIES 70	Customer to drill (2) holes in steel guides at input end. Cases are pushed past coders.
			9"	FRONT & SIDE	SERIES 460FS BRACKET #FO37904	Mount directly to frame using mounting bracket #FO37904. Cases are pushed past coders.
UCS-131	34 1/2"	8"	10"	SIDE	SERIES 450	Locate mounting block between vertical column and rear pivot for side belt.
UCS-225	28 1/2"	4 1/4"	7"	SIDE	SERIES 450	Locate mounting block between vertical column and gear box.
UCF-620	22 1/2"	3 1/4"	6"	SIDE	SERIES 450	Locate mounting block at outfeed end just downstream from vertical column.
UCF-820	23 3/4"	6"	8 1/4"	SIDE	SERIES 450	Locate mounting block downstream from vertical column.
RCS-420	23"	3 1/4"	6"	SIDE	SERIES 70 MT'G. KIT #FO37496	Customer to drill (6) holes for mounting kit #FO37496.
RCS-425	28 1/4"	4 1/2"	7"	SIDE	SERIES 70 MT'G. KIT #FO37496	Same mounting procedure as req'd. for Model RCS - 420.

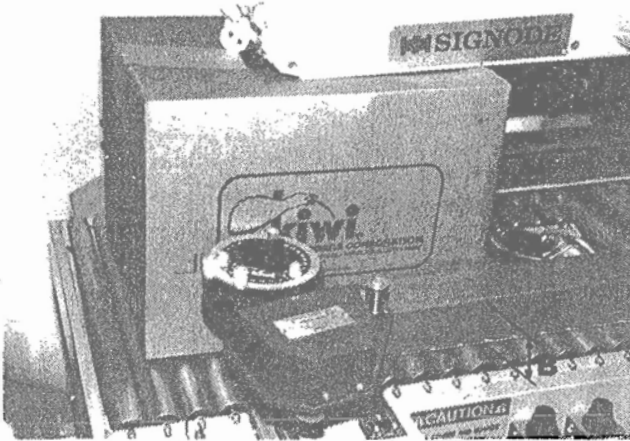
- NOTES: 1. Series 70 uses same marking wheel and ink cartridges as Kiwi Series 450. (Bulletin #310)
 2. For front and side coder applications ask for Bulletin #481.
 3. Mounting hardware with mounting instructions for Models UC-120, RCS-420 and RCS-425 are provided.



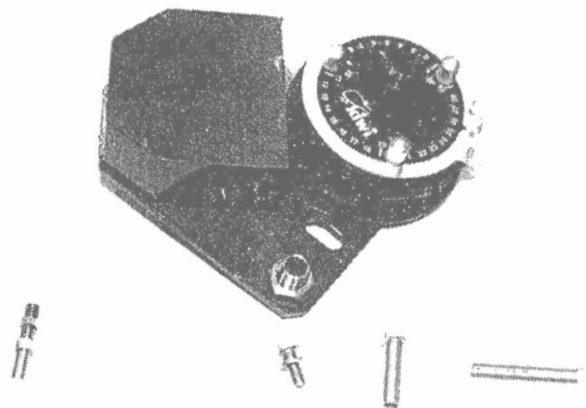
1. Signode Model UCS-120 with two Kiwi Model 71 coders.



2. Signode Model UCS-120 with Kiwi Model 461FS front & side coder and mounting bracket FO37904.



3. Signode Model RCS-420 with two Kiwi Model 71 coders and mounting kit FO37946.



4. Kiwi Model 71 coder with related mounting hardware.



KIWI CODERS CORPORATION
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