

ANALYSIS CHART
MODEL 32 OR 33
TYPE PRINTER

UP/AC

REVISIONS

ISSUE	DATE	AUTH. NO.
2	2-2-65	85872
3	6-30-65	87542

I. FEATURESA. General

1. Model 32 - 7.5 Unit 5 level Baudot Code.
 - a. Code Bar arrangement A, PS, 0, 1, 2, 3, 4, 5.
2. Model 33 - 11.0 unit 8 level code.
 - a. Code Bar arrangement A, PS, 1, 2, 3, 4, 5, 7, 6, 8

NOTE: 6 and 7 are not in order.

3. 500 Ma. selector current.

B. Paper Handling

1. Friction Feed
2. Sprocket Feed and Rapid Form Out
3. Low Paper Contact
4. 'Forms Low' contact
5. 'Forms Out' contact
6. Form Length
 - a. 12" or 6"
 - b. 11" or 5½"
 - c. 10" or 5"
 - d. 9" or 4½" or 3"
 - e. 8½"
 - f. 8" or 4"
 - g. 7" or 3½"
7. Form Width
 - a. 8½"

C. Function Box Arrangement

1. See Section V or detail breakdown.

D. Other Variable Features

1. 60 WPM Gears
2. 66 WPM Gears
3. 100 WPM Gears
- ~~4. Typewheel arrangement CCITT #2~~
5. Reader Trip Parts
6. 69 Character Line
7. 72 Character Line
8. Two Color Printing
9. Magnet Trip of Answer Back
10. "End of Transmission" contact
11. PRINTER "ON-OFF" MECHANISM
12. 50 CYCLE MOTOR
13. 75WPM GEARS

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RD. FILE NO. 2-A65.A47
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II. NOTES

- A. Refer to E.S.I. 4.007 for cross reference of maintenance kits, overhaul kits, modification kits, and their associated 5000S and 6000S series Specifications.
- B. 'Forms Out' contact provides a disconnect feature in sprocket feed printers when used in WADS system.
- C. There are 15 sensing locations in the function box. These locations are identified by numbers on the function box casting. Due to mechanism requirements, slot #1 is not included in the casting. The numbers 1, 6, 7, do not appear on the casting.
- D. There are also intermediate slots in the function box. The purpose of these slots are to provide facilities for "stunts" such as sequences, letters-figures shift etc. These slots are identified with letters. The letters 'A' and 'O' do not appear on the casting, although the slots are there. The letter 'I' is not used.
- E. Slot 'E' is always occupied by the carriage drive link; and cannot be used for any other purpose.
- F. Slot 'B' is always occupied by the carriage return actuation lever, and cannot be used for any other purpose.
- G. The function box is not readily removable and cannot carry a 32/33 code. Detailed analysis of function boxes can be obtained by referring to Section V.
- H. Positions 1 through 6, 7, and 15 have the code permutations built into the code bars. It is not possible except in rare instances to cause a function lever in these locations to respond to some other permutation.
- I. Automatic carriage return, when used is always located in Slot 'A'. Slot 'A' cannot be used for any other purpose.
- J. Code bar reset mechanism always located between slots 6 and 7.
- K. Unshift - on - space (5 level machines only) is accomplished by adding function pawl in slot 3.
- L. Bell System units have bell on FIGS "S".
Western Union units have bell on FIGS "J".
- M. REFER TO 7171WD AND 7172WD FOR 5 AND 8 LEVEL TYPEWHEEL INFORMATION
- N. MAGNET TRIP ANSWER-BACK MECHANISM WITHOUT 180855 BLOCKING LEVER TO PERMIT SUCCESSIVE ROTATIONS OF ANSWER-BACK DRUM.

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3	8-28-64	81901-1
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III. INDIVIDUAL UNIT FEATURES FOR 32 TYPE PRINTERS (See Note G)

UP Code	Orig. Cust.	WD'S	6,0003 or 60,0003	Photograph No.	Features & Notes ()
UP500 (182040)	Bell	4401WD	6713S	620414-83	A1, 3; B1; D1, 7; 9; VA
UP501 (182030)	WU	4401WD 6360 WD	6713S	620130-74	A1, 3; B1; D2; 6; VB
UP502	WU	4401WD 6360WD	6713S		A1, 3; B1; D2, 5, 6; VB
UP503 (182062)	CN	4401WD	6713S		A1, 3; B1; D2, 6; VB
UP504	CN	4401WD	6713S		A1, 3; B1; D2, 5, 6; VB
UP505 (183491)	WU	4401WD 6360WD	6713S 60,767S		A1, 3; B2, 5, 6b, 7a; D2, 6; VD
UP506	WU	4401WD	6713S 60,767S		A1, 3, B2, 5, 6b, 7a; D2, 5, 6; VD
UP507	Bell	6355WD 6356WD	6713S		A1, 3; B1; D1, 7; VA
UP508	Bell	6355WD 6356WD	6713S		A1, 3; B1; D1; 5, 7; VA
UP509	Westrex	7177 WD 7178 WD	6713S		A1, 3; B1, D2, 6, 8; VK
UP510 SALES		6358WD 7176 WD	6713S		A1, 3; B1; D2 7; VG
UP511 ITT EXPORT		7109 WD 7110 WD	60,972S		A1, 3-B1-D2, 5, 6, 12- VB
UP512 IBM		7465 WD 7466WD	60,983S		A1, 3-B1-D13 5, 6, 9(M)(N)
UP513 SALES		7177 WD 7178WD	6713S		VM A1, 3, B1, D2, 6, 8 VK
UP514 ITT		7432WD	6713S		A1, 3; B1; D2, 6; VB
UP515 ITT		7432WD	6713S		A1, 3; B1; D2, 6; VB

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<u>UP CODE</u>	<u>ORIG. CUST.</u>	<u>WD'S</u>	<u>6000S OR 60,000S</u>	<u>FEATURES & NOTES</u>
UP516	W.U.	4401WD 6360WD	6713S	A1,3;B1;D2,6; V M
UP517	W.U.	4401WD 6360WD	6713S	A1,3;B1;D2,6; Y M

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3	6-1-64	82514
4	2-2-65	85872
5	6-30-65	87542

IV. INDIVIDUAL UNIT FEATURES FOR 33 TYPE PRINTERS

UP Code	Orig. Cust.	WD'S	6000S or 60,000S	Photograph Number	Features and Notes ()
UP800 (182000)	Bell	4412WD 6351WD	6713S		A2, 3; B1, 3; D3, 7, 9, 10; V C
UP801	Bell	4412WD 6351WD	6713S		A2, 3; B1, 3; D3, 5, 7, 9, 10; V C
UP802 (183480)	Bell	4412WD 6351WD	6713S 60,767S		A2, 3; B2, 4, 5, 6b, 7a; C1, D3, 7, 9, 10; V B
UP803	Bell	4412WD 6351WD	6713S 60,767S		A2, 3; B2, 4, 5, 6b, 7a; C1, D3, 5, 7, 9, 10; V B
UP804		6353WD 6354WD	6713S		A2, 3; B1; D3; 7; V F
UP805		6353WD 6354WD	6713S		A2, 3; B1; D3 5, 7; V F
UP806		6359WD	6713S		A2, 3; B1; D3, 7 V H
UP807	WU	7227WD 7228WD	6713S		A2, 3; B1; D3, 7; V F
UP808	WU	7227WD 7228WD	6713S		A2, 3; B1; D3, 7; V J
UP 809	REM. RAND.	7222 WD 7224 WD	60,899S		A2,3-B1,3-D3, 7,9,10 V N
UP810	MONROE	7179WD 7180WD	6713S		A2,3; B1; D3; 5,7, 11. V L
UP 811	MINN. HONEY.	6353 WD 6354WD	6713S		A2,3-B1-D3, 7 V F
UP812	NOT RELEASED				
UP813	NOT RELEASED				

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<u>U. CODE</u>	<u>ORIG. CUST.</u>	<u>WD'S</u>	<u>6000S OR 60,000S</u>	<u>FEATURES & NOTES</u>
UP814	NOT RELEASED			
UP815	Monroe	7179 7180	67138	A2,3;B2,6b,7a; D3,5,7,11; - Y P

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V. INDIVIDUAL FUNCTION BOX FEATURES See Notes C, D, G, H, I, K
 (Notes indicated by ())

BOX TYPE SLOT	A		B		C		D		E		F		G		H	
	182043	P A W L	182032	P A W L	182021	P A W L	183488	P A W L	183489	P A W L	182273	P A W L	182282	P A W L	180605	P A W L
1	LF	NO	LF	NO	LF	NO					LF	NO	LF	NO	LF	NO
2	CR	YES	CR	YES	CR	YES	CR	YES	CR	YES	CR	YES	ACR	YES	ACR	YES
3	(F)	NO	(F)	NO	(F)	NO	(F)	NO	(F)	NO	(F)	NO	CR	YES	CR	YES
4	SP	YES	SP	NO	SP	NO	SP	NO	SP	NO	SP	NO	(F)	NO	(F)	NO
5		YES		YES		YES		YES				YES	SP	NO	SP	NO
6	LTR	YES	LTR	YES			ITR	YES		YES			LTR	YES		YES
7	SH	YES	SH	YES			SH	YES					SH	YES		YES
8	FIG	YES	FIG	YES	PS	NO	FIG	YES	PS	NO	PS	NO	FIG	YES	PS	NO
9	(E)		(E)		(E)		(E)		(E)		(E)		FIG	(E)	(E)	
10			BLK	NO	PS	NO	BLK	NO	PS	NO	PS	NO			PS	NO
11	BELL	YES	BELL	YES	BELL	YES	BELL	YES	BELL	YES	BELL	YES	BELL	YES	BELL	YES
12	MB	YES	MB	YES	MB	YES	MB	YES	MB	YES	MB	YES	MB	YES	MB	YES
13	BLK	YES														
14																
15																
0	WRU	YES	WRU	YES	WRU	YES	WRU	YES	WRU	YES	WRU	YES	WRU	YES	WRU	YES
	BL	YES	BL	YES	BL	YES	BL	YES	BL	YES	BL	YES	BL	YES	BL	YES

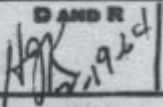

LF = Line Feed
 CR = Carriage Return
 SP = Space
 LTR = Letters
 FIG = Figures
 SH = Shift
 MB = Margin Bell
 BLK = Blank
 WRU = Who Are You?
 BL = Blocking Lever
 * Indicates Contact Closure
 PS = Print Suppress on Special Functions
 EOT = End of Transmission
 FO = Form Out

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H		J		K		L		M		N			
180605	P A W L	183520	P A W L	183974	P A W L	184020	P A W L	184152	P A W L	183517	P A W L	184281	P A W L
LF	NO	LF	NO	LF	NO	LF	NO	LF	NO	LF	NO		
ACR	YES												
CR	YES	CR	YES	CR	YES	CR	YES	CR	YES	CR	YES	CR	YES
(F)	NO	(F)	NO	(F)	NO	(F)	NO	(F)	NO	(F)	NO	(F)	NO
SP	NO	SP	NO	SP	NO	SP	NO	SP	NO	SP	NO	SP	NO
	YES		YES		YES		YES		YES		YES		YES
				LTR	YES	PS	NO	LTR	YES			PS	NO
				SH	YES			SH	YES				
PS	NO	PS	NO	FIG	YES	PS	NO	FIG	YES	PS	NO	PS	NO
(E)		(E)		(E)		(E)		(E)		(E)		(E)	
PS	NO	PS	NO	BLK	NO	PS	NO	BLK	NO	PS	NO	PS	NO
BELL	YES	BELL	YES	BELL	YES	BEL	YES	BELL	YES	BELL	YES	BELL	YES
MB	YES	MB	YES	MB	YES	MB	YES	MB	YES	MB	YES	MB	YES
						SO	YES					SO	YES
						SI	YES					SI	YES
	XON	YES	*										
	XOFF	YES	*										
	WRU	YES	*										
										EOT	YES	LF	YES
												BL	YES
													YES
													YES
													YES
													YES
													YES
													YES
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