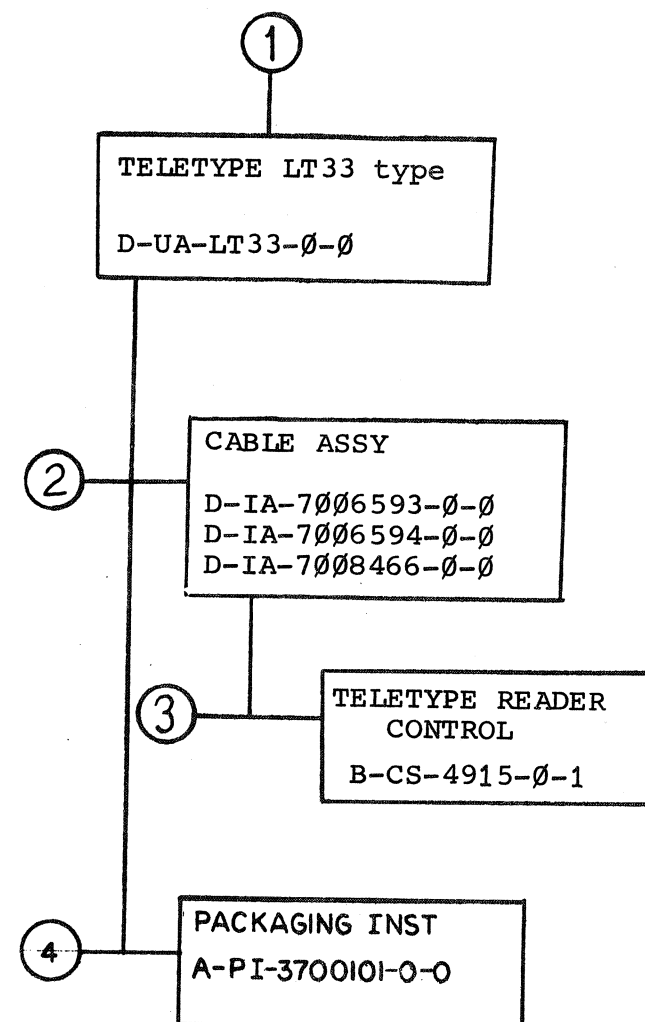


THIS IS PRINT SET

SEQUENCE 70

UNIT VARIATIONS		PRINT SET
VAR	TITLE	
LT33-AA	KSR 115 V 60 Hz 4-PIN PLUG	XX
-AB	KSR 240 V 50 Hz 4-PIN PLUG	X
-BC	ASR 115 V 60 Hz 4-PIN X-ON	X
-BD	ASR 240 V 50 Hz 4-PIN X-ON	X
-CC	KSR 115 V 60 Hz MATE-N-LOK PLUG	X
-CD	KSR 240 V 50 Hz MATE-N-LOK PLUG	X
-CE	KSR 100 V 50 Hz MATE-N-LOK PLUG	X
-DC	ASR 115 V 60 Hz MATE READER RUN	X
-DD	ASR 240 V 50 Hz MATE READER RUN	X
-DE	ASR 100 V 50 Hz MATE READER RUN	X
-EA	ASR 115 V 60 Hz MATE MAN READER	X
-EB	ASR 240 V 50 Hz MATE MAN READER	X
-HC	ASR 115 V 60 Hz MATE X-ON	X
-HD	ASR 240 V 50 Hz MATE X-ON	X
-RA	ASR 115 V 60 Hz BURNDY READER RUN	X
-RB	ASR 240 V 50 Hz BURNDY READER RUN	X
-SB	SPARE PARTS KIT, ASR	X
-ST	TOOL KIT	X
-MA	MOD KIT ASR W076 READER RUN	X
-MB	MOD KIT ASR MATE READER RUN	X
-MC	MOD KIT KSR W076	X
-MD	MOD KIT KSR MATE-N-LOK PLUG	X

[illegible]



TITLE	SHEET 2 OF 3	SIZE CODE	NUMBER	REV
TELETYPEWRITERS LT33	B DD	LT33 - 0	L	

[illegible]

	FEATURES	
	LINE VOLTAGE	1=115V 60HZ 2=230V 50HZ 0=100V 50HZ
	INTERFACE CONNECTOR	4=WECO 283B, W=WD76, M=MATE-N-LOCK, B=BUNDY
	KEYBOARD (UPPERCASE)	E=EVEN PARITY N=NO PARITY (8TH BIT MARKING)
	PRINTER	F=FRICTION FEED S=SPROCKET FEED
	PAPER TAPE RDR/PUNCH	0=NONE, R=RDR RUN MOD, A=AUTO, M=MANUAL
	ANSWERBACK	0=NONE, D=DISABLED, A=ANSWERBACK

REV.	—	CHK	—	CHANGE NO.	LT33-00008	ORIGINATED	—	FIRST USED ON OPT ION/MODEL	—
LT33-00009	A	28	LT33-00010	B	17. J. Kent 1-29-74	A, KENT	—	UNLESS OTHERWISE SPECIFIED	—
18. J. Kent 1-29-74	—	—	—	—	—	—	—	UNLESS OTHERWISE SPECIFIED	—
19. J. Kent 1-29-74	—	—	—	—	—	—	—	DIMENSION IN INCHES	—
20. J. Kent 1-29-74	—	—	—	—	—	—	—	TOLERANCES	—
21. J. Kent 1-29-74	—	—	—	—	—	—	—	DECIMALS FRACTIONS ANGLES	—
22. J. Kent 1-29-74	—	—	—	—	—	—	—	± .005 ± 1/64 ± 0°30'	—
23. J. Kent 1-29-74	—	—	—	—	—	—	—	FINAL SURFACE QUALITY	—
24. J. Kent 1-29-74	—	—	—	—	—	—	—	REMOVE BURRS AND BREAK SHARP CORNERS	—
25. J. Kent 1-29-74	—	—	—	—	—	—	—	MATERIAL	—
26. J. Kent 1-29-74	—	—	—	—	—	—	—	FINISH	—
27. J. Kent 1-29-74	—	—	—	—	—	—	—	SCALE	—
28. J. Kent 1-29-74	—	—	—	—	—	—	—	SHEET	—
29. J. Kent 1-29-74	—	—	—	—	—	—	—	DATE	—
30. J. Kent 1-29-74	—	—	—	—	—	—	—	CHK'D	—
31. J. Kent 1-29-74	—	—	—	—	—	—	—	ENG.	—
32. J. Kent 1-29-74	—	—	—	—	—	—	—	PROJ. ENG.	—
33. J. Kent 1-29-74	—	—	—	—	—	—	—	PROB.	—
34. J. Kent 1-29-74	—	—	—	—	—	—	—	DATE	—
35. J. Kent 1-29-74	—	—	—	—	—	—	—	SIZE CODE	—
36. J. Kent 1-29-74	—	—	—	—	—	—	—	NUMBER	—
37. J. Kent 1-29-74	—	—	—	—	—	—	—	REV.	—
38. J. Kent 1-29-74	—	—	—	—	—	—	—	DIST.	—
39. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
40. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
41. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
42. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
43. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
44. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
45. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
46. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
47. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
48. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
49. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
50. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
51. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
52. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
53. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
54. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
55. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
56. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
57. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
58. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
59. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
60. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
61. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
62. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
63. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
64. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—
65. J. Kent 1-29-74	—	—	—	—	—	—	—	—	—

DEC FORM NO
DPC 110

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ITEM	DWG/PART NO.	DESCRIPTION
21	1210563	RUBBER CAP COVER HUBBELL 7440
22	A-DC-7409045-0-2	DECAL VOLTAGE SPEC
23	1211375	FUNCTION LEVER STOP CLIP (SHORT) 186781
24	9107278-02	TUBING RED #18 TEF

28	A-PI-3700101-0-0	CONSOLIDATED SHIPPING PACKAGE
30	1204789	MOTOR 50 HZ TELETYPE 182267
31	1204850	DRIVE GEAR 50 HZ TELETYPE 181855
32	1204849	PINION GEAR 50 HZ TELETYPE 181851
33	1204848	PLATE W/STUD TELETYPE 181850
34	2911553	AIR DEFLECTOR TELETYPE 182183
35	2911554	FAN 3 INCH TELETYPE 182181
36	1211423	FUSE 1.8 AMP SLO-BLO TELETYPE 320246
37	1211396	FUSE IDENT PLATE 1.8A TELETYPE 182069

PROCEDURE I	CONVERT 60 HZ MACHINE TO 50 HZ
PROCEDURE II a.	MODIFY LINE VOLTAGE TO 240V
PROCEDURE II b.	MODIFY LINE VOLTAGE TO 100V
PROCEDURE III	INSTALL DIFFERENT LINE PLUG (CAP)
PROCEDURE IV	INSTALL THYRECTORS
PROCEDURE V	ACTIVATE AUTO PUNCH
PROCEDURE VI	CONVERT KEYBOARD TO 8" BIT "1"
PROCEDURE VII	INHIBIT ANSWER BACK BY ENQ (WRU)
PROCEDURE VIII	INSTALL "TD" TYPEWHEEL
PROCEDURE IX	ARRANGE FOR 20mA FULL DUPLEX
PROCEDURE X	INSTALL 100µF CAPACITOR
PROCEDURE XI	INSTALL READER RUN ASSY (4915) AND CABLE
PROCEDURE XII	INSTALL MATE-N-LOK INTERFACE CABLE
PROCEDURE XIII	INSTALL TELEPHONE PLUG, JACK & CABLE
PROCEDURE XIV	INSTALLATION ON STAND

REV.	CHANGE NO.	CHK

FIRST USED ON OPTION/MODEL

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS FRACTIONS ANGLES
± .005 ± 1/16 ± 1/2
FINAL SURFACE QUALITY
ROUGH SURFACES AND OTHER SURFACES
CORRUGATED

DATE 9-20-73
DATE 9/22/73
DATE 14 June 73
DATE 21 Aug 73
DATE 12-21-73
D-UA-LT33-0-0
NEXT HIGHER ASSY.

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE SET UP & REWORK
PROCEDURE FOR
TTY3300 SERIES
TTY WRITERS

SIZE CODE C PL NUMBER LT33-0-0 REV. B

DEC FORM NO. 4

4

3

1

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DIGITAL EQUIP CORP.

NOTES TO PARTS LIST

1. IN ALL CASES 60 HZ MACHINES CAN BE REWORKED FOR 50 HZ OPERATION INSTEAD OF STOCKING 50 HZ UNITS. ON THE BASIS OF EXPECTED VOLUME, INITIAL 50 HZ STOCKING IS EXPECTED TO BE AS FOLLOWS (REWORK PROCEDURE I)

DESC	50 HZ P.N.	STATUS	ALTERNATIVE
KSR	3011294-02	REWORK 3011294-01	STOCK
MAN ASR (TD)	3011294-04	STOCK	REWORK 3011294-03
MAN ASR (TV)	3011294-06	REWORK 3011294-05	SEE NOTE 2
AUTO ASR	3011294-08	REWORK 3011294-07	STOCK

2. WITH THE EXCEPTION OF 3011294-03 (60 HZ) AND 3011294-04 (50 HZ) (BOTH MANUAL ASR WITH "TD" TYPEWHEEL) ALL UNITS MUST BE REWORKED BY REPLACING THE "TV" TYPEWHEEL SUPPLIED WITH A "TD" TYPEWHEEL. THE -03 AND -04 MACHINES ARE SPECIALS AND MAY SOMETIMES BE IN SHORT SUPPLY. THE -05 AND -06 MACHINES MAY BE SUBSTITUTED AS FOLLOWS:

DESCRIPTION	PART NO. NEEDED	ALTERNATIVES
MAN ASR (TD) 60 HZ	3011294-03	REWORK (IX) 3011294-05
MAN ASR (TD) 50 HZ	3011294-04	REWORK (IX) 3011294-06 OR REWORK (I & IX) 3011294-05

MODIFICATION KITS

LT33-MA "ASR for 8, 8/I, 8/L, 8/S"
USE PARTS LIST FOR LT33-DC OMITTING ITEMS 1, 1A, AND 5. IN ADDITION, ONE CABLE ASSY 4915 TO W076 P.N. 7005676-1 IS REQUIRED. FOLLOW PROCEDURES FOR LT33-DC.

LT33-MB "ASR for 8/E, 11, 15"
USE PARTS LIST FOR LT33-DC OMITTING ITEMS 1 AND 1A. FOLLOW PROCEDURES FOR LT33-DC.

LT33-MC "KSR for 8, 8/I, 8/L, 8/S"
USE PARTS LIST FOR LT33-CC OMITTING ITEMS 1, 1A, AND 5. IN ADDITION, ONE CABLE ASSY TTY TO W076 P.N. 7005011-1 IS REQUIRED. FOLLOW PROCEDURES FOR LT33-CC.

LT33-MD "KSR for 8/E, 11, 15"
(Also for LT33-E or -H type.)
USE PARTS LIST FOR LT33-CC OMITTING ITEMS 1 AND 1A. FOLLOW PROCEDURES FOR LT33-CC.

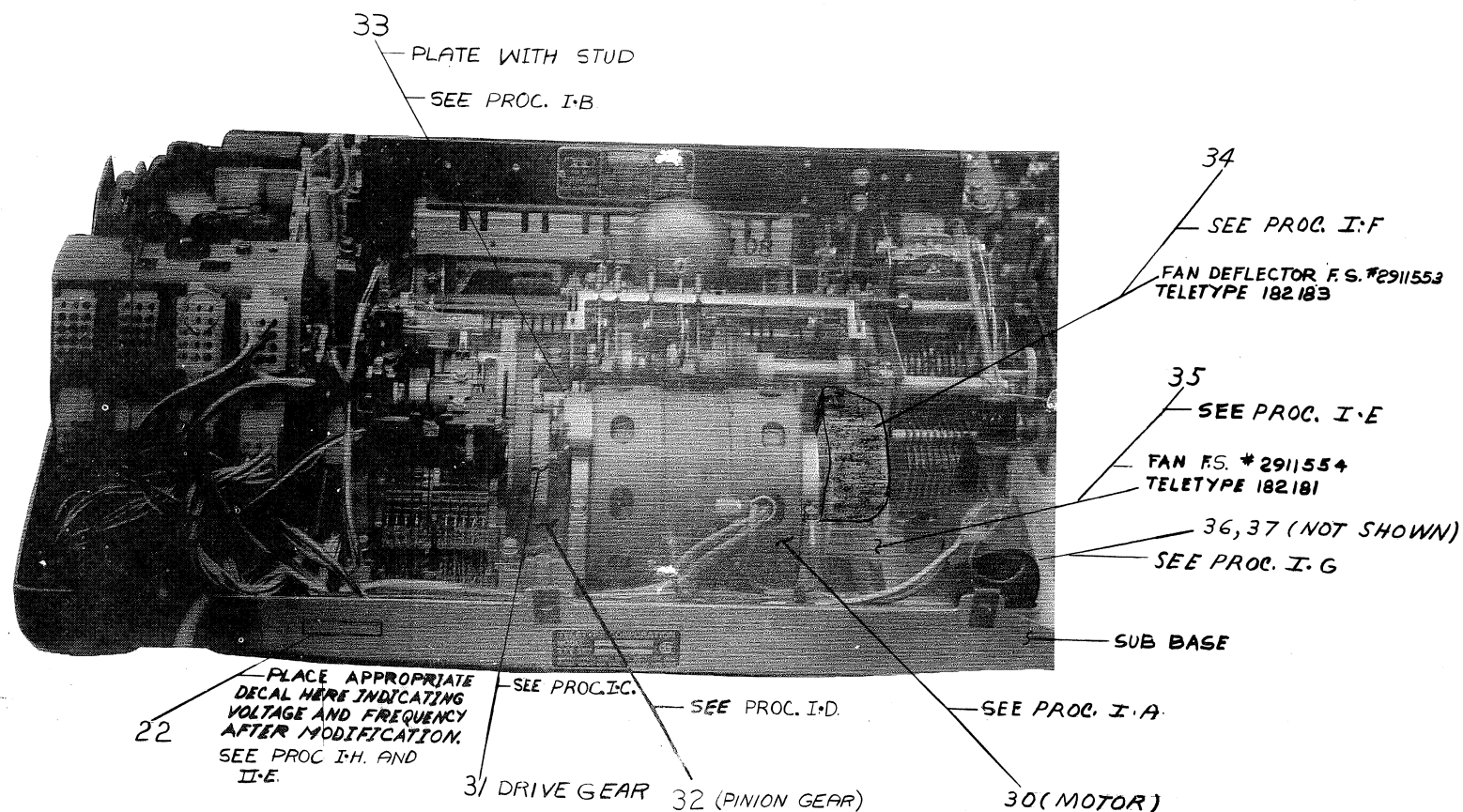
ALTERNATIVELY, A W078 ADAPTER MODULE ADDED TO AN LT33-MB OR LT33-MD KIT CAN BE USED WHEN AN LT33-MA OR LT33-MC KIT IS REQUIRED.

REV.	CHANGE NO.	CHK

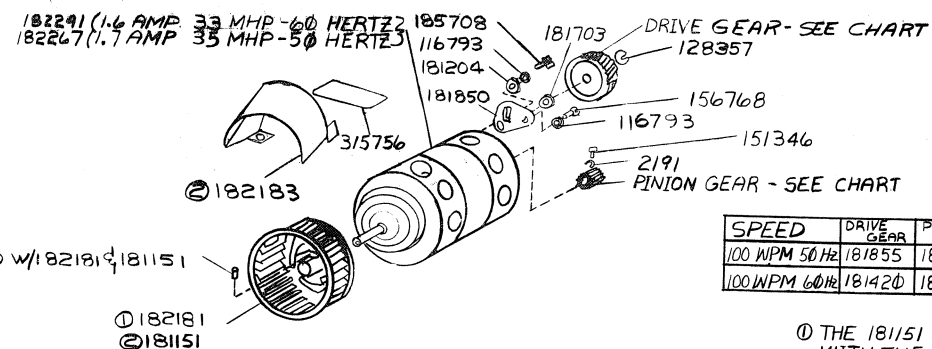
DEC FORM NO.
DRC 100-A

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN. <i>J. Chastain</i> DATE <i>4-20-73</i>	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS		
DECIMALS	CHK'D <i>S. Kelly</i> DATE <i>5-24-73</i>	TITLE SET UP & REWORK PROCEDURE FOR TTY3300 SERIES TTY WRITERS		
ANGLES	ENG. <i>Allen Kent</i> DATE <i>4 June 73</i>	SIZE CODE C PL		
XXX = .005 XX = .02 X = .1	PROJ. ENG. <i>Allen Kent</i> DATE <i>22 June 73</i>	NUMBER LT33-0-0		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROP. <i>Frank R. Burton</i> DATE <i>8-22-73</i>	REV. B		
MATERIAL	NEXT HIGHER ASSY.	DIST.		
FINISH	D-UA-LT33-0-0	SHEET 3 OF 3		

- PROCEDURE I**
CONVERT 60 HZ MACHINE TO 50 HZ
SEE DETAIL A&B)
- REMOVE 182241 SPLIT-PHASE START MOTOR AND REPLACE WITH ITEM #30 (NOT NECESSARY IF MOTOR IS ALREADY RATED 50/60 HZ ON NAME PLATE). IF 181870 CAPACITOR START MOTOR IS ENCOUNTERED MOTOR START CAPACITOR MUST ALSO BE REMOVED WHEN INSTALLING ITEM #30. SEE 1180 SD-B10 AND 4405 WD. (TELETYPE DRAWINGS)
 - REMOVE 181416 PLATE WITH STUD AND REPLACE WITH ITEM #33 (NOT NECESSARY WHEN 181850 PLATE WITH STUD (UNIVERSAL) IS SUPPLIED (NOW STANDARD). 181850 PART IS IDENTIFIED BY LONG ADJUSTMENT SLOT.)
 - REMOVE 181420 DRIVE GEAR AND REPLACE WITH ITEM #31
 - REMOVE 181411 PINION GEAR AND REPLACE WITH ITEM #32.
 - REMOVE 181151 FAN (2 1/2 INCH DIA.) AND REPLACE WITH ITEM #35 (3 INCH DIA. FAN). (NOT NECESSARY) IF 3 INCH DIA. FAN ALREADY SUPPLIED.)
 - ADD AIR DEFLECTOR ITEM #34 OVER FAN
 - REPLACE MOTOR FUSE (2 OR 2 1/4 AMP) WITH 1.8 AMP SLO-BLO ITEM #36. CHANGE FUSE LABEL TO ITEM #37.
 - PLACE APPROPRIATE FREQUENCY DECAL ITEM #22 ON REAR OF MACHINE



DETAIL "A"
(REAR VIEW WITH COVER REMOVED)



DETAIL "B"
MOTOR ASSY EXPLODED VIEW
(TAKEN FROM TELETYPE
SEC. 574-122-8007C
ISS. 7 PAGE 35)

NEXT HIGHER ASSY		QTY.	DESCRIPTION	PART NO.	ITEM NO.
B-DD-LT33-0					
UNLESS OTHERWISE SPECIFIED					
UNLESS OTHERWISE SPECIFIED		DRN.	DATE	PARTS LIST	
DIMENSION IN INCHES		CHK'D.	DATE	digital EQUIPMENT CORPORATION	
TOLERANCES		ENG.	DATE	WAYNARD, MASSACHUSETTS	
DECIMALS FRACTIONS ANGLES		PROJ. ENG.	DATE	TITLE	
± .005 ± 1/64 ± 0°30'		PROD.	DATE	SET-UP & REWORK	
FINAL SURFACE QUALITY				PROCEDURE FOR TTY	
REMOVE BURRS AND BREAK SHARP CORNERS				3300 SERIES TTY	
				WRITERS	
MATERIAL		FIRST USED ON		SIZE CODE	NUMBER
//		LT33 TYPE		DUA	LT33-0-0
FINISH		SCALE		SHEET	REV.
//		NONE		OF 8	B

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8 7 6 5 4 3 2 1
B 0-0-3317 DUA 2

PROCEDURE II MODIFY LINE VOLTAGE (INSTALL TRANSFORMER)

SEE DETAIL A, C, AND D
FOR OPERATION ON VOLTAGES OTHER
THAN 115V PERFORM THE FOLLOWING
OPERATIONS:

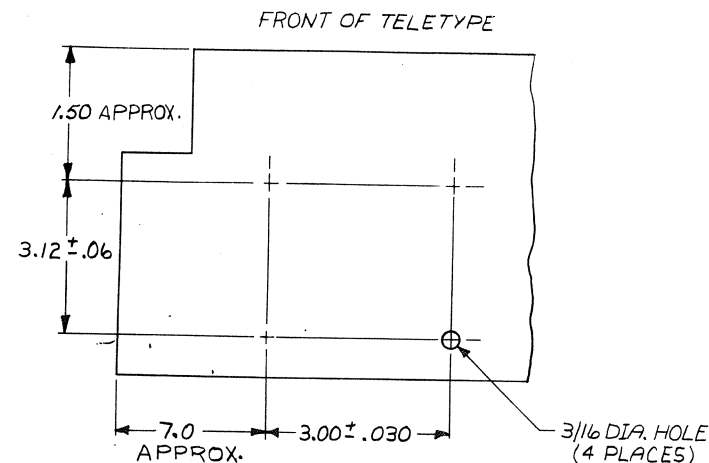
- DRILL FOUR 3/16 INCH DIA. HOLES IN BASE MOUNTING PLATE AS SHOWN IN DETAIL C
- MOUNT TRANSFORMER ITEM #13 WITH ITEM #14 THRU ITEM #17.
- CUT CORDSET ITEM #18 AS SHOWN AND WIRE PER TABLE AND DETAIL "D" USING ITEM #19.
- PLUG TELETYPE CORD INTO FEMALE RECEPTACLE PART OF ITEM #18
- PLACE APPROPRIATE VOLTAGE DECAL ITEM #22 AS SHOWN IN DETAIL "A".

PROCEDURE III CHANGE MALE CORD CAP

SEE DETAIL "D" AND "E"

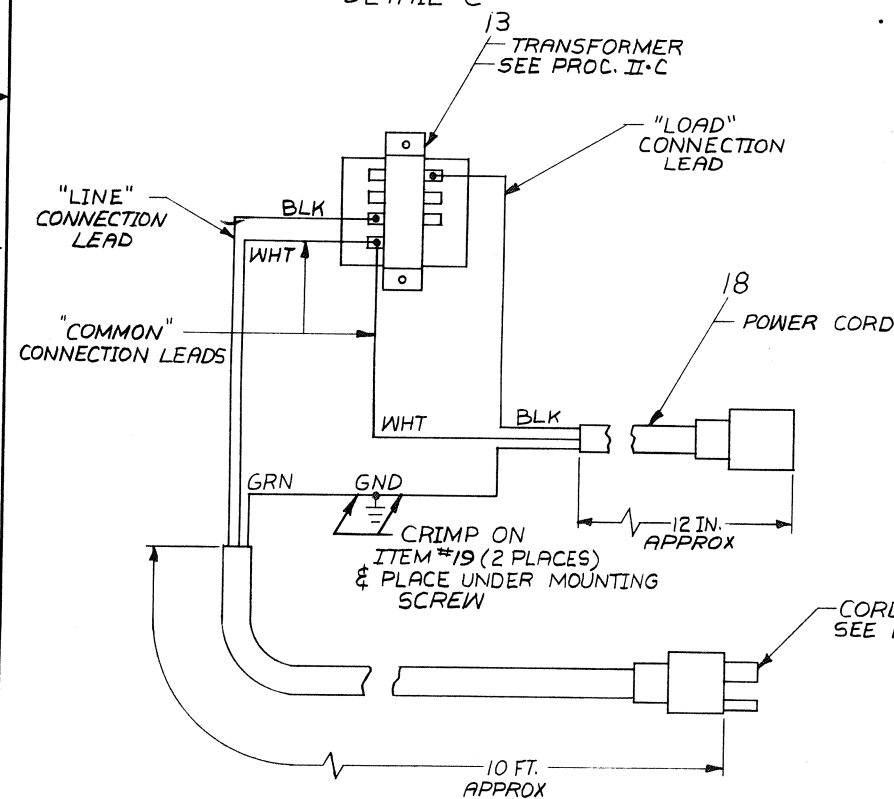
- DETERMINE FROM PARTS LIST WHICH CAP IS TO BE PUT ON.
- IF TRANSFORMER ITEM #13 IS INSTALLED CUT OFF THE MALE CAP FROM THE CORDSET ITEM #18, OTHERWISE CUT OFF THE MALE CAP FROM THE TELETYPE CORD.
- SLIDE THE COVER ITEM #21 IF REQUIRED ONTO THE CORD AND WIRE THE CAP ITEM #20 AS SHOWN IN DETAIL "E".
- FIT THE COVER IF USED OVER THE CAP AS SHOWN IN DETAIL "E".

NOTE:
PDP-9 AND EARLY PDP-10 TELETYPES WERE SUPPLIED WITH A NEMA 5-15P (115V) CAP PAINTED RED WHEN WIRED FOR 190 TO 250 VOLTS



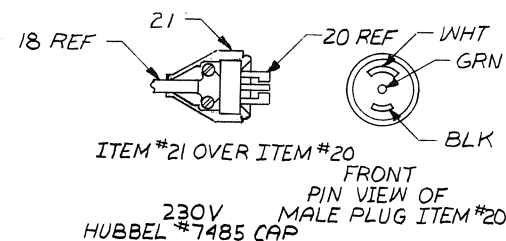
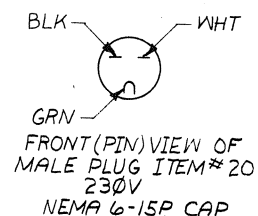
REAR OF TELETYPE
SCALE: NONE
HOLE DRILLING DIAGRAM FOR MOUNTING
OF TRANSFORMER, ITEM #5, TO PLATE
INSIDE BOTTOM OF BASE. (PROC. II-A)

DETAIL "C"

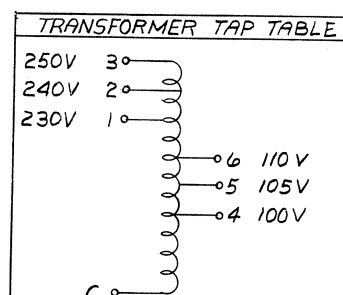
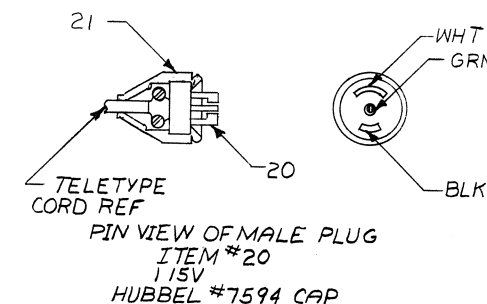


TRANSFORMER
MOUNTING & WIRING

DETAIL "D"



DETAIL "E" CORD CAP WIRING (PROC III)



VOLTAGE	LINE	LOAD	COMMON	VOLTAGE	LINE	LOAD	COMMON
126	6	4	C	287	3	4	C
121	5	4	C	275	2	4	C
115	6	6	C	274	3	5	C
110	5	4	I	265	1	4	C
				263	2	5	C
				260	3	6	C
				252	1	5	C
				250	2	6	C
106	6	4	I	240*	1	6	C
100*	1	3	4	220	C	6	1
96	C	1	5	213	C	6	2
90	C	2	5	213	C	5	1
				206	C	6	3
85	C	3	6	204	C	5	2
82	C	2	4	203	C	4	1
77	C	3	4	198	C	5	3
				197	C	4	2
				193	C	4	3

* INDICATES STD
FACTORY CONNECTIONS

THIS TABLE PROVIDES 115V TO
THE LOAD AT THE NORMAL
LINE VOLTAGE

REVISIONS		
CHK	CHANGE NO	REV

TITLE SET UP & REWORK PROCEDURE FOR TTY 3300 SERIES TTY WRITERS				SIZE CODE DUA	NUMBER LT33-0-0	REV. B
SCALE NONE	SHEET 2	OF 8	DIST.			

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REV. 000000
DUA
LT33-0-0
NUMBER 3215

PROCEDURE IV INSTALL THYRECTORS

- SEE DETAILS "F" & "G"
- CUT TUBING ITEM #24 AND PLACE ON LEADS OF THYRECTORS ITEM #8
 - PULL BACK THE RUBBER BOOT WHICH COVERS THE TERMINALS ON THE LINE OFF-LOCAL SWITCH
 - INSTALL THYRECTORS USING TERMINAL ITEM #7 PER TABLE IN DETAIL "G"
 - IF RELAY CONTROLLED READER (READER RUN) MODIFICATION IS NOT GOING TO BE INSTALLED (PROCEDURE I) REPLACE RUBBER BOOT SO ALL TERMINALS ARE COVERED.

PROCEDURE V

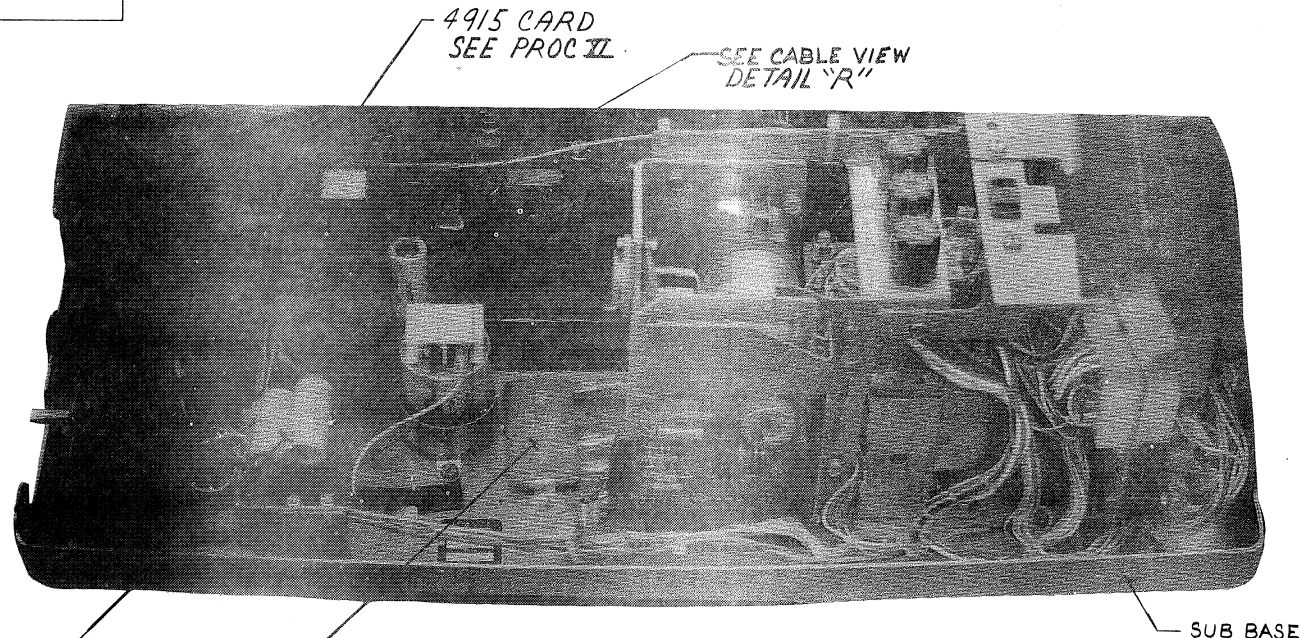
ACTIVATE AUTOMATIC PUNCH (CONTROLLED BY DC2 & DC4)

SEE DETAIL "H"

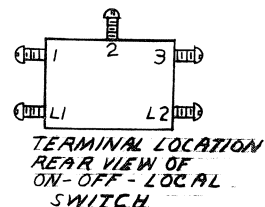
- TO ACTIVATE THE AUTOMATIC PUNCH FEATURE (PUNCH CONTROLLED BY DC2 & DC4) REMOVE THE TWO DISABLING CLIPS SHOWN IN DETAIL "H"

NOTE:

TO INACTIVATE AUTO PUNCH FEATURE
INSTALL TWO TELETYPE P.N. 187001 CLIPS,
ONE IN EACH SLOT SHOWN IN DETAIL "H".
(RECEIVED WITH AUTO PUNCH INACTIVATED)

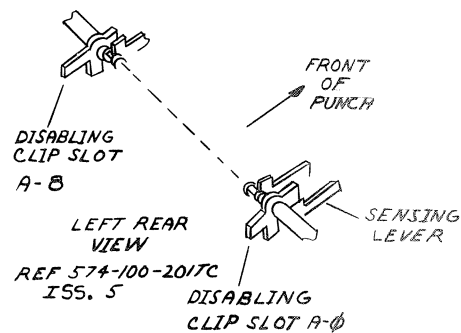


DETAIL "F"
(RIGHT SIDE VIEW)



SEE PROC. IV
DETAIL "G"

FROM	TERMINAL	COMPONENT	TO	TERMINAL
L2	ITEM #7	THYRECTOR ITEM #8	2	ITEM #7
1	ITEM #7	THYRECTOR ITEM #8		

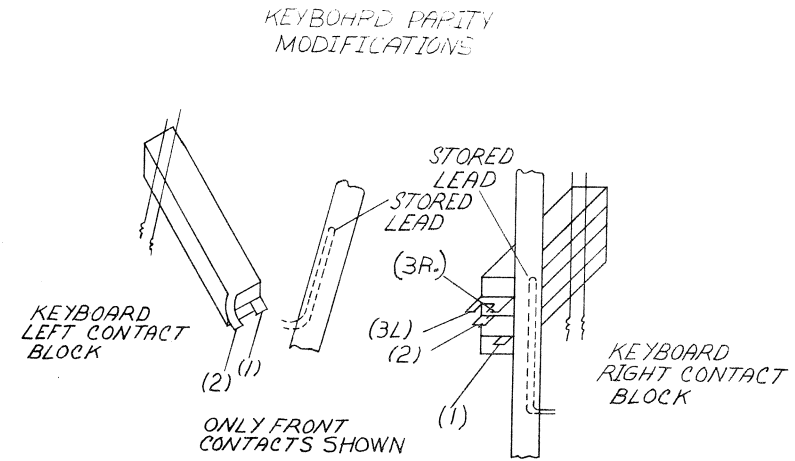


DETAIL "H"
SEE PROC. V

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE SET-UP & REWORK PROCEDURE
FOR TTY 3300 SERIES TTY WRITERS
SCALE SHEET 3 OF 8
NUMBER LT33-0-0
REV. B

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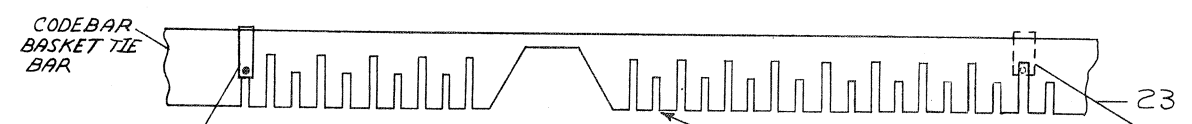
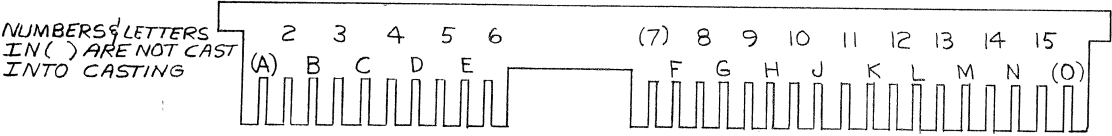


OPTION	LEFT CONTACT BLOCK			RIGHT CONTACT BLOCK				SLEEVE & STORE
	TERM1	TERM2	SLEEVE & STORE	TERM1	TERM2	TERM3R	TERM3L	
EVEN PARITY (AS RECEIVED)	WHT-BLK	RED-GRN	GRN	YEL	WHT-SLATE	WHT-BLK	—	GRN
8TH BIT MARKING	WHT-BLK	GRN	RED-GRN	YEL	WHT-SLATE	WHT-BLK	GRN	—
8TH BIT SPACING (NOT USED BY DEC)	WHT-BLK	RED-GRN	GRN	YEL	—	WHT-BLK	—	WHT SLATE GRN

REFERENCES
SEC 574-100-201 TC ISS.5
9334 WD ISS.1

DETAIL "J"
SEE PROC. VI

FUNCTION BOX
CASTING (REF)



TELETYPE P.M. 186782 STOP CLIP IN A SLOT TO DISABLE AUTO CR LF ON 72ND CHAR (RECEIVED DISABLED)

REFERENCE
SECTION 574-100-101TC
ISS 2
FRONT SCHEMATIC VIEW OF CODE BAR TIE BAR

NO CLIP IN "F" SLOT ENABLES RIGHT MARGIN BELL AND END-OF-LINE BELL (RECEIVED ENABLED)

TELETYPE P.M. 186781 STOP CLIP IN "5" SLOT TO DISABLE WRU (ENQ) ACTIVATED ANSWERBACK

NOTE: IT IS NOT NECESSARY TO REMOVE THE WRU STUNT BOX PAWL OR SPRING

DETAIL "K"
SEE PROC. VII

PROCEDURE VI
CONVERT KEYBOARD TO 8TH BIT MARKING (J)
SEE DETAIL "J"
A. LOCATE THE FRONT TAB CONNECTIONS ON THE CONTACT BLOCKS AT THE LEFT AND RIGHT ENDS OF THE KEYBOARD.
B. REMOVE THE RED-GRN LEAD FROM TERMINAL 2 OF THE LEFT CONTACT BLOCK. SLEEVE (INSULATE) THIS WIRE.
C. UNTIE AND UNSLEEVE THE GRN LEAD NEAR THE LEFT CONTACT BLOCK AND CONNECT TO TERMINAL 2.
D. TIE THE SLEEVED RED-GRN LEAD TO THE NEARBY BAR.
E. UNTIE AND UNSLEEVE THE GRN LEAD NEAR THE RIGHT CONTACT BLOCK AND CONNECT TO TERMINAL 3L.
NOTE:
TO INSTALL PARITY OR 8TH BIT SPACING FOLLOW CHART IN DETAIL "J".

PROCEDURE VII
INHIBIT ANSWERBACK CAUSED BY ENQ (WRU)
SEE DETAIL "K"
A. DO NOT REMOVE ENQ (WRU) STUNT BOX PAWL OR SPRING
B. LOCATE SLOT "15" IN CODEBAR BASKET TIE BAR.
C. INSTALL SHORT FUNCTION LEVER STOP CLIP ITEM #23 IN SLOT 15 TO INHIBIT ENQ (WRU) INITIATED ANSWERBACK
NOTE:
ALSO VERIFY THAT SLOT "A" CONTAINS ALONG STOP CLIP TELETYPE P.M. 186782 AND THAT SLOT "F" DOES NOT CONTAIN A STOP CLIP.

REVISIONS		
CHK	CHANGE NO	REV

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REV B LT33-00 DUA 2

PROCEDURE VIII INSTALL "TD" TYPEWHEEL SEE DETAIL "L"

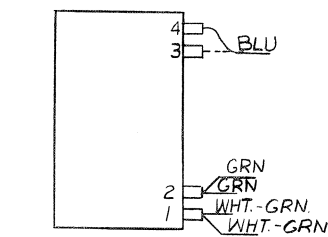
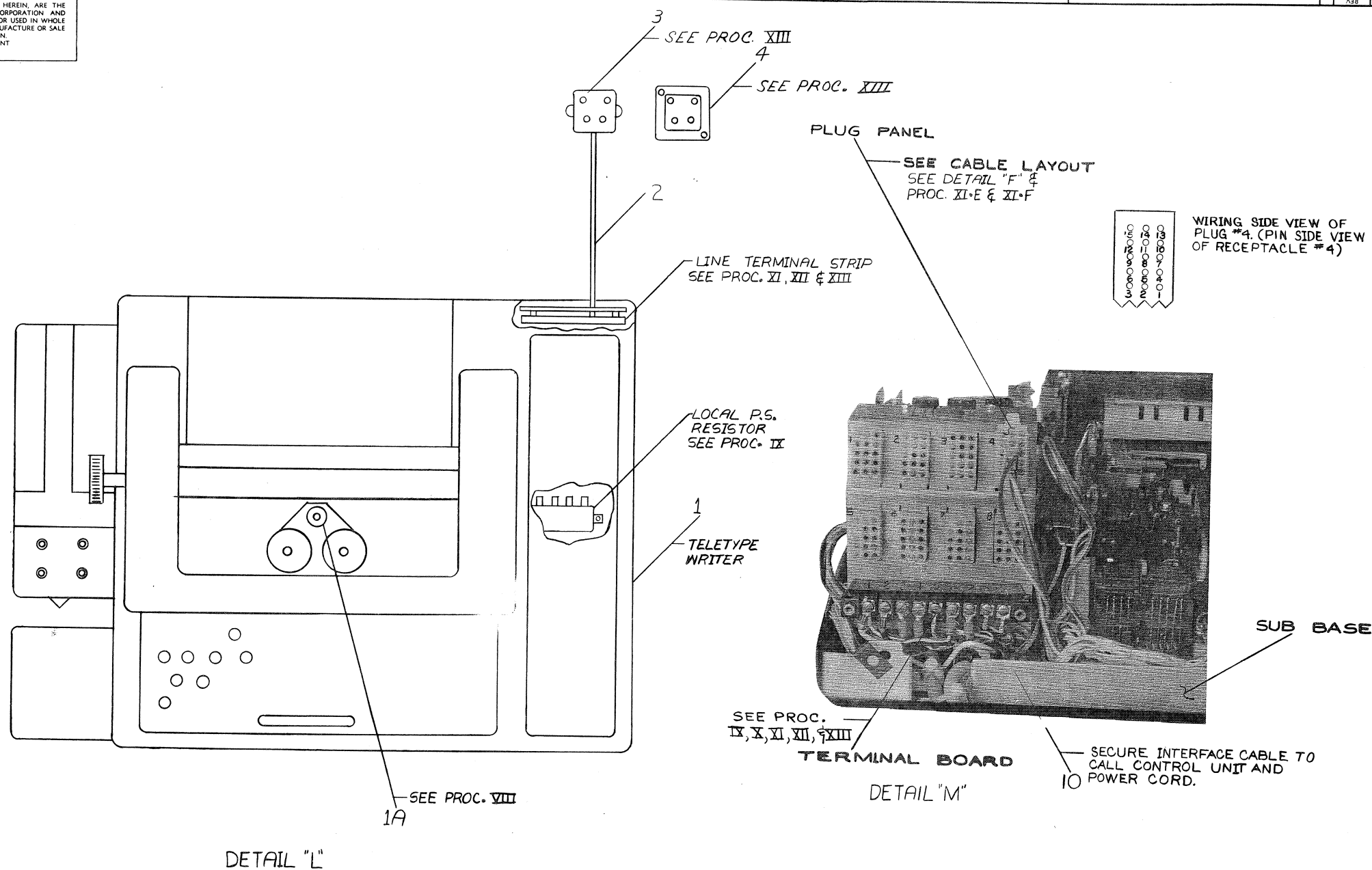
- REMOVE "TV" TYPEWHEEL SUPPLIED (Q = LETTER OH; O = NUMERAL ZERO).
- INSTALL "TD" TYPEWHEEL USING ADJUSTING TOOL TELETYPE P.N. 180508 (O = LETTER OH, Ø = NUMERAL ZERO).
- CHECK "FINAL PRINTING ALIGNMENT" AS SPECIFIED IN SECT. 574-122-700 TC AND REFINE ADJUSTMENTS AS NEEDED.

PROCEDURE IX ARRANGE FOR 20mA FULL DUPLEX OPERATION SEE DETAILS "F", "L", "M" AND "N"

- REMOVE BRN/YEL WIRE FROM TERMINAL 3 OF THE LINE TERMINAL STRIP AND MOVE IT TO TERMINAL 5.
- REMOVE BLU/WHT WIRE FROM TERMINAL 4 AND MOVE TO TERMINAL 5.
- REMOVE PURPLE WIRE FROM TERMINAL 8 AND MOVE TO TERMINAL 9.
- Merge the blue wire from terminal 3 of the local power supply power resistor to terminal 4.

PROCEDURE X INSTALL 1µF CAPACITOR SEE DETAIL "M"

- CUT TUBING ITEM #24 AND PLACE ON LEADS OF CAPACITOR ITEM #9.
- INSTALL CAPACITOR BETWEEN TERMINALS 3 & 4 OF THE LINE TERMINAL STRIP USING TERMINAL LUGS ITEM #7.



LOCAL PWR SUPPLY
POWER RESISTOR
SEE PROC IX-D
DETAIL "N"

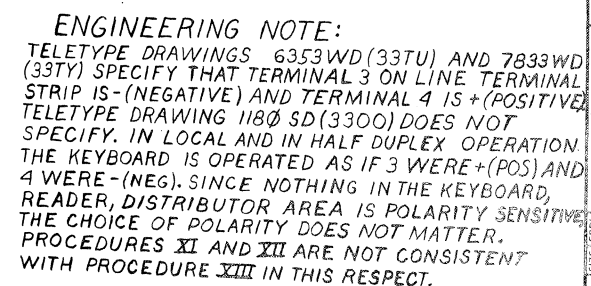
REVISIONS		
CHK	CHANGE NO.	REV

TITLE SET-UP & REWORK PROCEDURE
FOR TTY 3300 SERIES TTY WRITERS

SIZE CODE DUA
NUMBER LT33-00
REV. B

SCALE SHEET 5 OF 8

SEC FORM 100
ORD 137

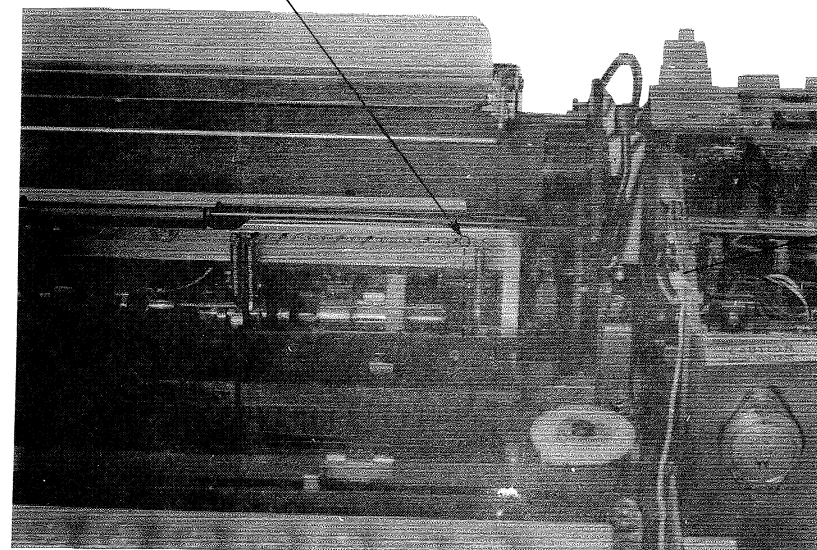


TOOLS FOR BURNDY CONNECTOR	
EXTRACTION TOOL	RY24-3
INSERTION TOOL	RTM24-3
CRIMPING TOOL	M10S-1
W/DIE SET	SA9 & STOP BUSHING SLB

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WRU PAWL SPRING

SEE PROC. VII-A
DO NOT REMOVE PARTS

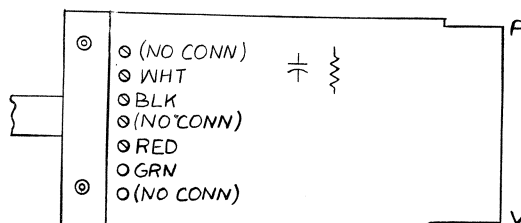


DETAIL "R"

TIE WIRING
PROC. XI-H

CABLE CONNECTIONS TO
TERMINAL BOARD NUMBER IN
LUG CORRESPONDS TO TERMINAL
BOARD NUMBER

WHT
BLK
RED
GRN



W076 REV. "D" CONN

SEE PROC. XIII

DETAIL "S"

PROCEDURE XII INSTALL MATE-N-LOCK INTERFACE CABLE

SEE DETAILS "M" & "S"

- A. INSTALL FOUR WIRES OF INTERFACE
CABLE ITEM #5 ON LINE TERMINAL
STRIP
- | | |
|-----|---------|
| GRN | TERM #3 |
| RED | TERM #4 |
| BLK | TERM #7 |
| WHT | TERM #6 |
- B. REPLACE TERMINAL STRIP COVER.
C. USING TIES ITEM #11 TIE INTERFACE
CABLE AS SHOWN IN DETAIL "M"

PROCEDURE XIII INSTALL TELEPHONE PLUG & JACK

SEE DETAIL "L", "M" & "T"

- A. ASSEMBLE TELEPHONE CORDSET ITEM #2
TO TELEPHONE PLUG ITEM #3 BY
WIRING THE SHORT WIRE END OF THE
CORDSET AS FOLLOWS:

CORDSET WIRE	PLUG TERMINAL	SIGNAL
GREEN	GN	KEYBOARD +
RED	R	KEYBOARD -
BLACK	BK	PRINTER +
YELLOW	Y	PRINTER -

- B. BEND TERMINAL LUGS UP AND INSERT
EARBAND HOOK TAB INTO CENTER HOLE
OF PLUG (SEE VIEW A-A OF DETAIL "T")
- C. ARRANGE WIRES TO CLEAR COVER
MOUNTING POSTS AND PLACE COVER ON
PLUG WITH RIDGE BETWEEN "R" & GN
TERMINALS
- D. INSERT AND TIGHTEN THE TWO LONG
SCREWS SUPPLIED WITH THE PLUG
(DISCARD THE SHORT SCREW ALSO SUPPLIED)
- E. WIRE THE LONG WIRE END OF THE CORDSET
ITEM #2 TO THE LINE TERMINAL STRIP
(DETAIL "M") AS FOLLOWS
- | | |
|--------|---------|
| GREEN | TERM #3 |
| RED | TERM #4 |
| BLACK | TERM #7 |
| YELLOW | TERM #6 |
- F. PLACE S-HOOK UNDER SCREW NEAR
LINE TERMINAL STRIP TO STRAIN
RELIEVE CORDSET.
- G. AFTER TESTING INSERT TELEPHONE
PLUG ITEM #3 INTO TELEPHONE
JACK ITEM #4 AND PACK SO THAT
THE JACK CAN NOT BE DISLODGED.

REVISIONS		
CHK	CHANGE NO	REV

SEC FORM 102
SAD 1132

TITLE SET-UP & REWORK PROCEDURE FOR TTY 3300 SERIES TTY WRITERS				SIZE CODE DUA	NUMBER LT33-00	REV. B
SCALE				SHEET 7 OF 8		

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REV B LT33-0-0 2

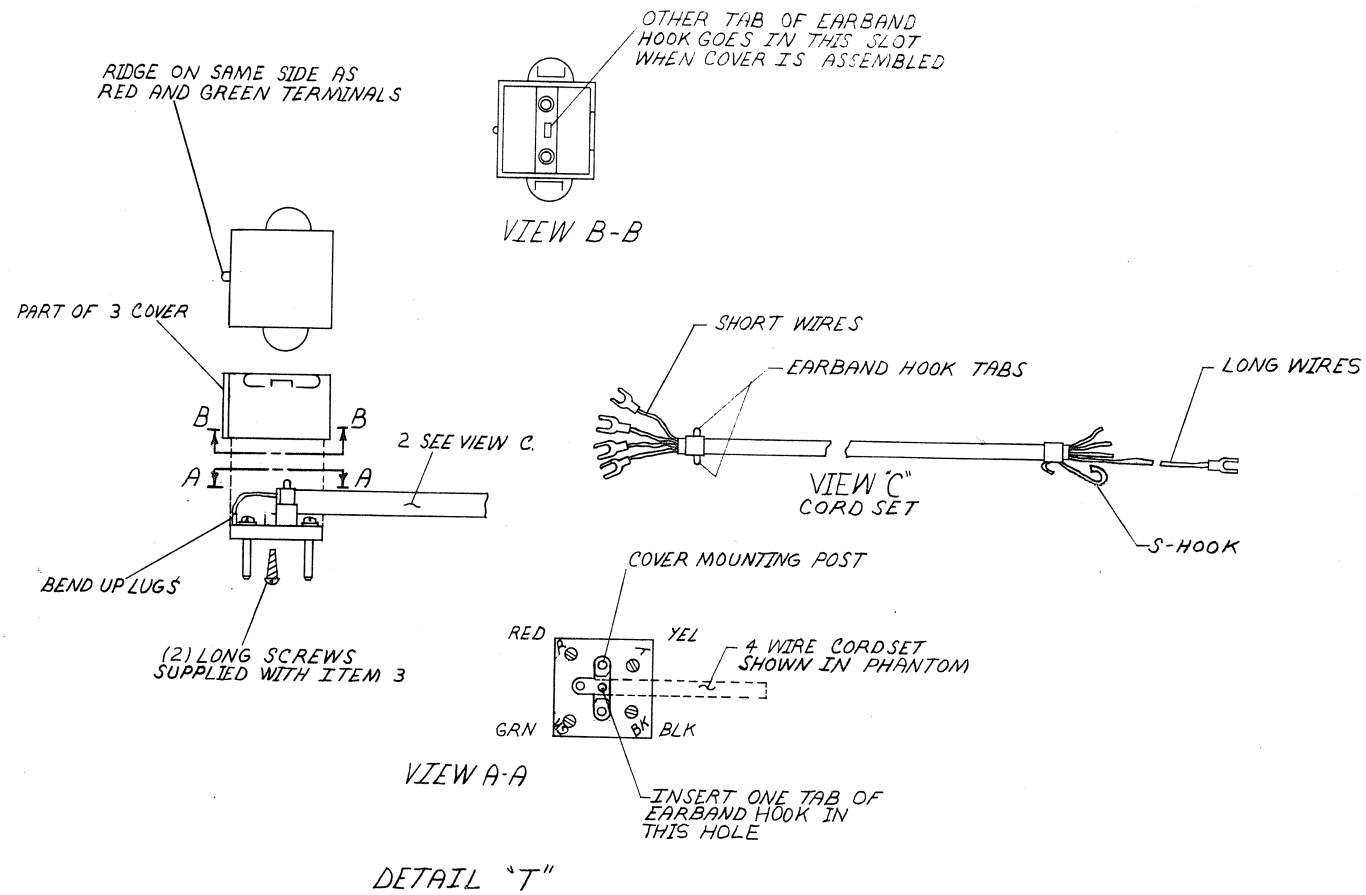
PROCEDURE XIV

INSTALLATION ON STAND WHEN
INSTALLING ON STAND (AFTER
SHIPMENT.)

- FOLLOW UNPACKING PREPARATION FOR INSTALLATION, MOUNTING TYPING UNIT ON STAND AND FINAL ASSEMBLY PORTIONS OF SECT 574-1 (4P-201 TC I SS.5)
- CONNECT GREEN WIRE SUPPLIED BETWEEN SUB-BASE AND STAND FRAME GROUND TERMINALS.

NOTE PACKING

- PREPARE FOR SHIPMENT BY SECURING MACHINE IN ACCORDANCE WITH A-SP-LT33-0-10
- PACK SOFTWARE LISTED ON SHIPPING LIST A-AL-LT33-0-12 IN ACCORDANCE WITH PACKAGING PROCEDURE A-PI-3700101-0-0.



REVISIONS		
CHK	CHANGE NO	REV

TITLE SET UP & REWORK PROCEDURE FOR TTY3300 SERIES TTY WRITERS SIZE CODE D UA LT33-0-0 NUMBER 5 SCALE NONE SHEET 8 OF 8 DIST. 1

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

ACCESSORY LIST

MADE BY J. CUDMORE
DATE 7/21/69

ENG *M. Arnesen*
DATE *7/28/65*

CHECKED	PFYFFER
DATE	7/25/69

PROD *My Ardenman*
DATE *7/28/89*

SECTION

1

ISSUED SECT.
1

1

LEGEND

D DOCUMENT

DN DOCUMENT CHANGE
NOTICE

PA PAPER TAPE ASCII

PB PAPER TAPE BINARY

PM PAPER TAPE
READ-IN-MODE

QUANTITY / VARIATION

[illegible]

TITLE TELETYPE WRITERS LT33 SERIES

ASSY. NO.

SHEET 1 OF 1

SIZE	CODE
A	AL

DIST.

NUMBER
LT33-0-12

REV.
C

ECO NO	LT 33-
00009	

DEC FORM NO.
DRA 121

[illegible]

DEC FORM NO.16-1031
DRA 110

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION
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[illegible]

CODE	NUMBER	REV.	ECONO.
PL	LT33-ST-φ	A	LT33-00002

DEC FOR
DRA 110

MAYNARD, MASSACHUSETTS

[illegible][illegible]

DE	NUMBER	REV.	ECONO.
L	IT33-ST-0	A	

EL FURN
ORA 110

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DIGITAL EQUIPMENT CORPORATION						
MAYNARD, MASSACHUSETTS						
ENGINEERING SPECIFICATION					DATE 5/3/68	
TITLE PACKING PROCEDURE FOR TELETYPE WRITERS LT33 SERIES						
REVISIONS						
REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE
A	CHANGED ECO	LT33-00002	A KENT	7-6-71	A. KENT	7-26-71
B	ECO CHANGE	LT33-00009	A KENT	11-73	Allen Kent	19 Feb 74
DISREGARD READER AND PUNCH INSTRUCTIONS ON KSR UNITS. 1. Put reader clip in holder; reader pins in upward position as originally received. 2. Use one tie wrap to hold carriage at left margin. 3. Mount printer unit to fiberboard platform with the eight (8) mounting screws and three (3) studs, originally provided. 4. Put chad box and copy holder in the box provided. On units where reader power pack is not already mounted inside of Teletype, also place reader power pack in the box provided. 5. Teletypes should have transformer (if previously mounted) left in base stand. 6. The four (4) mounting screws that mount the printer to the base stand should be put in a bag along with the on/off knob and the platen knob and then tied to the base stand. 7. Teletype AC cable and signal cable should be placed on the plastic cover where paper roll normally goes and wrapped in kim pack. 8. Tape down printer cover, punch paper-roller, printer paper-roller and cables of item 7) above. Additional tape should be used to secure whole cover to base. 9. Make sure that there are three (3) thumbscrews that hold teletype cover on, and four (4) screws in the front of the machine, also a screw in reader cover and one (1) face-plate for each machine.						
ENG	K. E. FITZGERALD	APPD	SIZE	CODE	NUMBER	REV
			A	SP	LT33-0-10	B

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DIGITAL EQUIPMENT CORPORATION						
MAYNARD, MASSACHUSETTS						
ENGINEERING SPECIFICATION					DATE 5/3/68	
TITLE INSTALLATION PROCEDURE FOR TELETYPE MODEL LT33 SERIES						
REVISIONS						
REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE
A	CHANGED ECO	LT33-00002	A.KENT	7-6-71	A KENT	7-26-71
B	ECO CHANGE	LT33-00009	A. KENT	11-73	Alan Kent	19 Feb 74
DISREGARD READER AND PUNCH INSTRUCTIONS ON KSR UNITS. 1. Remove all tape holding covers and cables. 2. Remove the whole cover and in the reader, remove clip which holds reader pins in an upward position before turning machine <u>on</u>. 3. On units with reader power pack shipped separately in the box, mount power supply for reader on basic stand and plug connector cable in. (Other Teletypes have reader power pack already mounted inside in the machine.) 4. Remove <u>tie wrap</u> being used to hold carriage at left hand margin. 5. Mount base to bottom of unit with screws provided. 6. Replace cover being sure that three (3) thumbscrews, four (4) pahhead screws and one (1) special screw (for reader) are correctly installed before attaching face plate and knobs.						
ENG	K. E. FITZGERALD	APPD	SIZE A	CODE SP	NUMBER LT33-0-11	REV B

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MAYNARD, MASSACHUSETTS

ENGINEERING SPECIFICATION

DATE 3/18/71

TITLE TELETYPE INSPECTION PROCEDURES AND ADJUSTMENTS

REVISIONS

REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE
A	CHANGE PER ECO	LT33-7	KENT	2/73	Allen Kent	11 Apr 73

ENG W. Miller	APPD W. Miller	SIZE A	CODE SP	NUMBER LT33-0-13	REV A
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DEC FORM NO.
DRA 107

SHEET 1 OF 7

ENGINEERING SPECIFICATION

digital

CONTINUATION SHEET

TITLE TELETYPE INSPECTION PROCEDURES AND ADJUSTMENTS

1.0 SCOPE

This procedure outlines the procedures for inspection and acceptance of the ASR 33 Teletypes. By ignoring references to the reader and punch, it may also be used for KSR 33 Teletypes.

1.1 These instructions specifically outline the requirements for DEC production standards and will be used as the basis for acceptance or rejection of vendor supplied equipment.

2.0 EQUIPMENT REQUIRED

2.1 Feeler gauges type TTY #117781, DEC 29-12520 or similar.

2.2 DEC tape gauge type T18118.

2.3 Reader gauge type TTY #TP183103.

→ ALL CHECKS ARE MADE WITH POWER OFF ←

3.0 KEYBOARD

Section 574-121-700TC, ISSUE 3, JUNE 1969, VOL. 2, Technical Manual Type ASR33 Teletypewriter.

3.1 Universal lever clearance. (Ref. Page 21)

3.1.1 The three shipping bolts that tie down the shipping pallet and printer should be loosened due to a change of condition when making the "H" lever adjustment. The bolts in question cause a compressing of the four rubber feet that the printer rests on. When the linkage to the keyboard is made, a change of .015 of an inch or more in relationship to the universal reset lever. In correction to this problem, the teletype unpacker should loosen all three bolts and, after completion of the teletype checkup, should retighten prior to reinsertion into the packing box.

3.1.2 Minimum .014", maximum .030" clearance between latch lever and universal lever.

4.0 TYPING UNIT

Section 574-122-700TC, Issue 4, August 1969, Vol. 2, Technical Manual Type ASR33 Teletypewriter.

* 4.1 Distributor shaft and play (Ref. Page 11)

4.1.1 Minimum .001", maximum .012" clearance between left bearing and clutch gear assembly.

DEC FORM NO DEC 16-(381)-1022-N370
DRA 108

SIZE A	CODE SP	NUMBER LT33-0-13	REV A
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SHEET 2 OF 7

ENGINEERING SPECIFICATION

CONTINUATION SHEET

TITLE TELETYPE INSPECTION PROCEDURES AND ADJUSTMENTS

- * 4.2 Distributor clutch adjustment. (Ref. Page 13)
- 4.2.1 With clutch released, leading edge of trip lever should come approximately in the center of the shoe lever.
- 4.2.2 With clutch latched, shoe lever should be minimum flush, maximum .015" beyond rearmost surface of trip lever.
- 4.2.3 With clutch latched, advance distributor brush holder in its driving direction until it stops and releases. It should restore to normal position.
- 4.3 selector cam end play. (Ref. Page 18)
- 4.3.1 Disengage selector clutch, move mainshaft toward the right, minimum .002", maximum .012" clearance measured between left end bearing and collar.
- * 4.4 Code bar and function clutch adjustment. (Ref. Pages 22 to 24)
- 4.4.1 When disengaged, the upper surface of the trip lever and shoe lever should be approximately flush. When released, the leading edge of the shoe lever should come to the center of the notch on the trip lever.
- * 4.5 Selector clutch adjustment. (Ref. Page 27)
- 4.5.1 When disengaged, the upper surface of the trip lever and shoe lever should be approximately flush. When released, the leading edge of the shoe lever should come to the center of the notch on the trip lever.
- * NOTE: When all clutches are adjusted, reverse the rotation of the mainshaft by hand, with all clutches latched. The mainshaft should rotate freely, if it does not, the clutch adjustments must be measured according to the teletype manual.
- 4.6 Blocking lever adjustment. (Ref. Page 39)
- 4.6.1 Set range finder to 72, set up an all marking code combination in selector. Release code bar clutch, cycle by hand, all code bars should go marking and a slight vertical movement of some blocking levers should occur as the code bars pass beneath the blocking levers.
- 4.7 Print suppression. (Ref. Pages 37 and 47)
- 4.7.1 Print suppression latch horizontal clearance between right side of print suppression latch and print suppression code bar should be min. .010", max. .025" (machine in restored position.)

SIZE A	CODE SP	NUMBER LT33-0-13	REV A
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ENGINEERING SPECIFICATION

CONTINUATION SHEET

TITLE TELETYPE INSPECTION PROCEDURES AND ADJUSTMENTS

- 4.7.2 Print suppression latch vertical clearance between upper part of print suppression latch and print suppression code bar should be min. .005", max. .020". (mach. in rest, pos).
- 4.8 Carriage freedom of horizontal movement. (Ref. Page 51)
- 4.8.1 The carriage should move freely side to side with no binding. Make any necessary roller and belt adjustments. (Ref. Pages 51, 52, 54 and 57)
- 4.9 Rear rail adjustments. (Ref. Page 53)
- 4.9.1 Set up number one code bar in marking position and move carriage side to side. There should be no visible difference between the number one shift slide and the right reset guide plate when in the right or left margins.
- 4.10 Front rail and print hammer trip lever release adjustments. (Ref. Page 62)
- 4.10.1 Clearance should be minimum .030", maximum .060" measured between print hammer trip lever and print bail.
- 4.10.2 Adjustments should remain constant in both margins to within .010".
- 4.11 Dash pot adjustment. (Ref. Page 80)
- 4.11.1 Typing unit piston should return freely into the dash pot cylinder from any position when moved toward the right margin and released by hand.
- 4.12 Line feed adjustment. (Ref. Pages 84 to 92)
- 4.12.1 Set up a line feed code in the selector. Release the code bar and clutch. Cycle by hand, while holding the platen detent pawl away from the ratchet until the platen is fully advanced by the feed pawl. At this point slowly release the detent pawl into the ratched gear. There should be very little rotation of the ratched gear as the pawl seats into the gear.
- 4.12.2 If adjustments are necessary, refer to Pages 84 to 92.
- APPLY POWER ←
- 4.13 Answer back mechanism, operation under power. (Ref. Pages 132 to 146)
- 4.13.1 Turn on punch, press "here is" key, see that punch punches blank tape. If not, refer to adjustments Pages 132 to 146.

SIZE A	CODE SP	NUMBER LT33-0-13	REV A
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ENGINEERING SPECIFICATION



CONTINUATION SHEET

TITLE TELETYPE INSPECTION PROCEDURES AND ADJUSTMENTS

→ TURN POWER OFF ←

5.0 READER

Section 524-124-700TC, Issue 3, June 1969, Vol. 2, Technical Manual Type ASR33 Teletypewriter.

5.1 Horizontal and vertical clearance between trip lever and armature extension. (Ref. Pages 6 and 7)

5.1.1 With reader trip lever fully forward, clearance between reader trip lever and armature extension, should be minimum .008", maximum .020".

5.1.2 With the armature held all the way down, clearance between reader trip lever and upper part of the armature, should be minimum .001", maximum .010" as the reader trip lever passes over the armature extension.

5.2 Reader trip contacts. (Ref. Page 8)

5.2.1 The clearance should be minimum .025", maximum .040" when measured between the contacts when they are open.

5.3 Feed pawl and blocking pawl adjustments. (Ref. Pages 13 and 15)

5.3.1 With the machine power on, energize reader armature by tripping reader trip solenoid. Insert TP183103 Gauge between upstop bracket and upstop shoulder screw. Gauge should enter friction tight, if not follow Teletype Manual for adjusting sequence.

5.3.2 With the reader in the rest position, the clearance should be minimum .001", maximum .008" when measured between the feed pawl and the ratchet tooth.

5.3.3 With the reader in rest position the clearance should be minimum .001", maximum .003" when measured between blocking pawl and the ratchet tooth.

SIZE A	CODE SP	NUMBER LT33-0-13	REV A
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ENGINEERING SPECIFICATION



CONTINUATION SHEET

TITLE TELETYPE INSPECTION PROCEDURES AND ADJUSTMENTS

6.0 PUNCH

Section 574-125-700TC, Issue 4, June 1969, Vol 2, Technical Manual Type ASR33 Teletypewriter.

6.1 Sending lever down stop.

6.1.1 Check screws securing the punch drive arm assembly to the rocker shaft are tight.

6.1.2 Push sensing levers down by hand, see that they limit on the down stop before they leave the guide post. Position guide post as required to attain this condition.

6.2 Tape nudger adjustments. (Ref. Page 8)

6.2.1 Two screws that couple the rocker shaft and punch drive bail must be tightened during the checkout period and also be a quality control check item.

6.2.2 Manually rotate the main shaft until the tape nudger is in the fully driven position, the clearance between the tape nudger and the rear roller should be minimum .030" and maximum .080".

6.3 Total punch operation in static state. (Ref. Pages 5 to 12)

6.3.1 Put an all marking code in selector, cycle by hand until the feed pawl is fully rearward, at this point check the following:

A. With the feed wheel ratchet fully detented, move the feed pawl out of engagement with the gear, release slowly and see that it re-enters the gear with no perceptible clearance.

B. The clearance between the sensing levers and the function pawl should be minimum .005", maximum .020".

6.3.2 Continue to cycle by hand until the punch drive link is fully forward. The clearance between the punch pin drive levers and the bottom surface of the punch die block assembly, should be minimum .017", maximum .037". (Ref. Page 9)

6.3.3 Complete the cycle by hand, the clearance between the stripper bail and sensing pawl should be minimum .001", maximum .012". (Ref. Page 7)

6.4 Turn the power on, punch some tape and check for proper registration with DEC tape gauge T18118.

SIZE A	CODE SP	NUMBER LT33-0-13	REV A
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ENGINEERING SPECIFICATION

ORIGINAL

CONTINUATION SHEET

TITLE TELETYPE INSPECTION PROCEDURES AND ADJUSTMENTS

6.4.1 Adjust spring to obtain proper registration within one half hole over entire gauge. (Ref. Page 12)

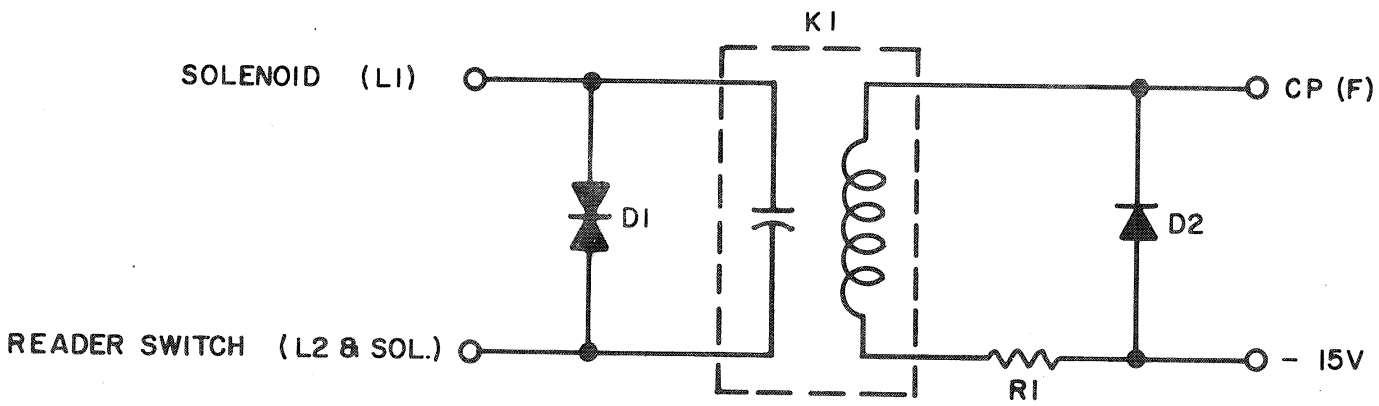
SIZE
A

CODE
SP

NUMBER
LT33-0-13

REV
A

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NOTE:
K1 HAS NO OUTER SHIELD

K1	RELAY, REED 12VDC #300021DI	1203193
R1	RES. 120 1/4W 10% CC	1301418
D2	DIODE D664	1100114
D1	DIODE 6RS20SP4B4	1100106
PARTS LIST		A-PL-4915-0-0
REFERENCE DESIGNATION		DESCRIPTION
		PART NO.

PARTS LIST

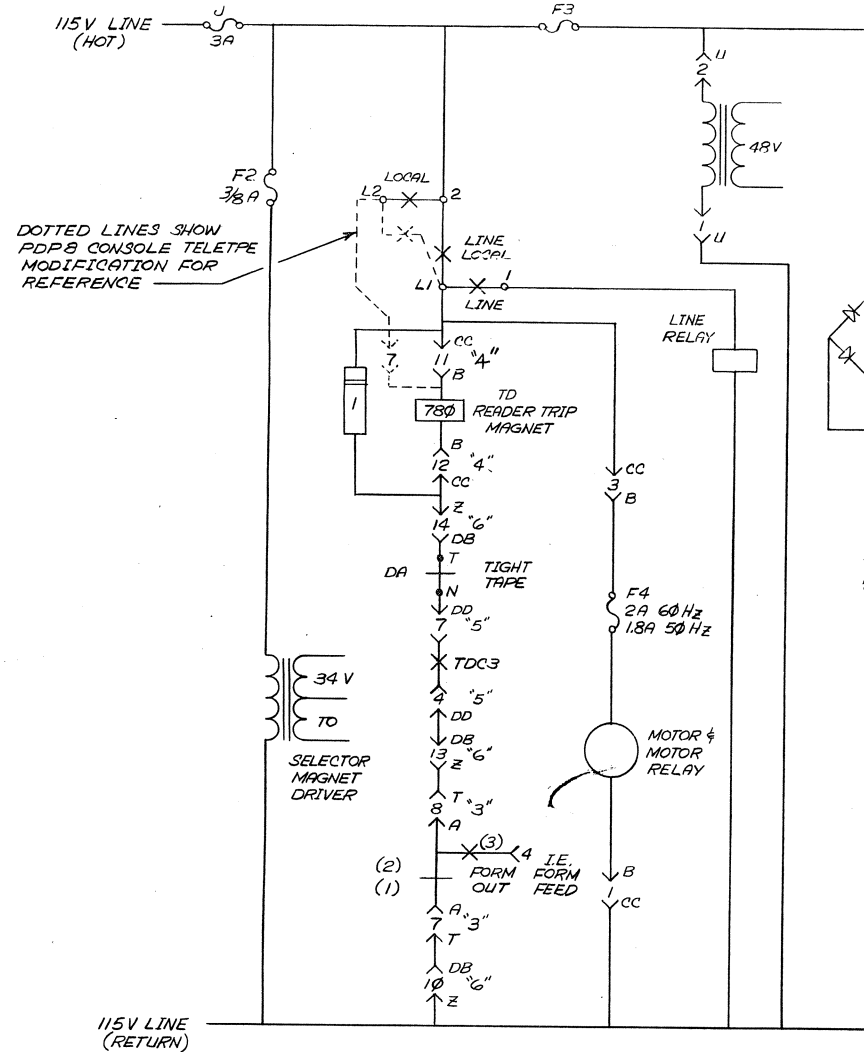
REVISIONS	CHK CHG NO. REV.	DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE TELETYPE READER CONTROL 4915			
	REV. 6 REDR.	I. HAHN	5-11-65	DEC	EIA	DEC	EIA		SIZE	CODE	NUMBER	REV.
	6886	CHK'D	6-24-65	D664	IN3606				B	CS	4915-0-1	A
		ENG.	5-24-65	20SP4B4	SAME							
	PROD.	DATE						PRINTED CIRCUIT REV.				

DEC FORM NO. DRB 102

PINK

DIST 324 434 435

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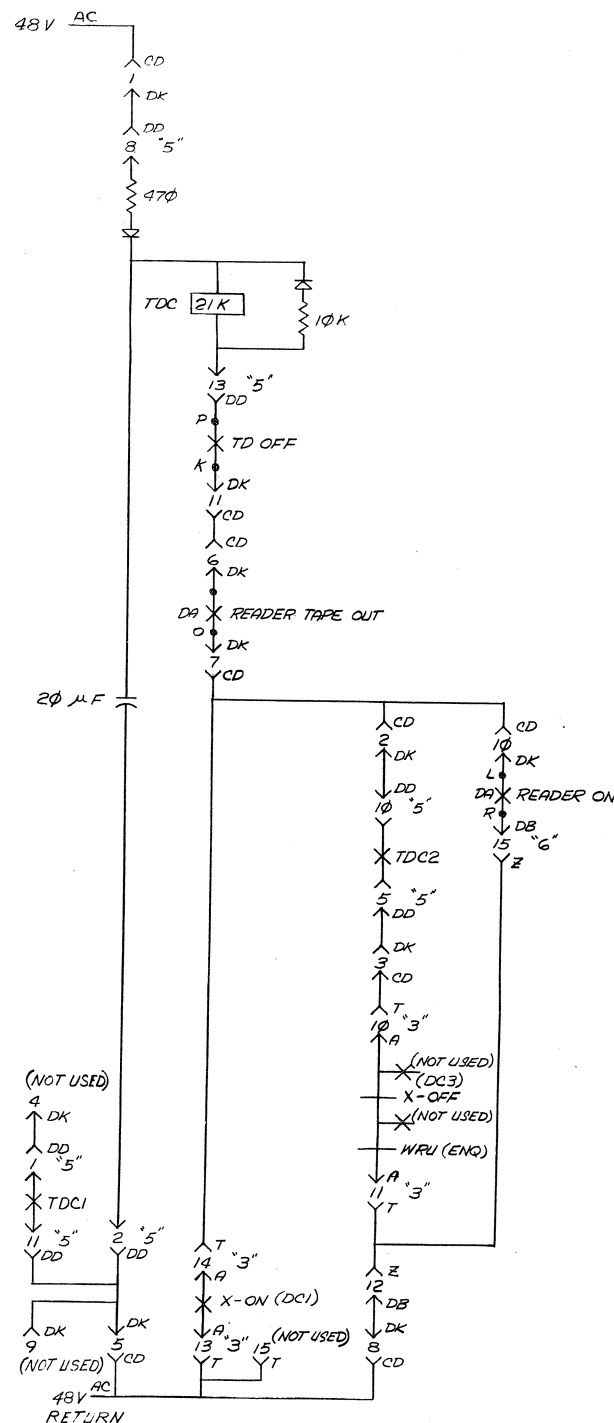
FOR CUSTOMER SUPPLIED ALARM
(NOT USED)

(NOT USED)

240V TRANSFORMER TAP TABLE				CONNECTOR CORRESPONDENCE			
				MARKED	FIXED HALF	CABLE HALF	
287	3	4	C	1	T	A	
275	3	4	C	2	CC	B	
274	3	5	C	3	DD	-	
265	1	4	C	4	Z	DB	
263	2	5	C	5			
260	3	6	C	6			
252	1	5	C	7			
250	2	6	C	8			
240	1	6	C				
220	C	6	1				
213	C	6	2				
213	C	5	1				
206	C	6	3				
204	C	5	2				
203	C	4	1				
198	C	5	3				
197	C	4	2				
193	C	4	3				

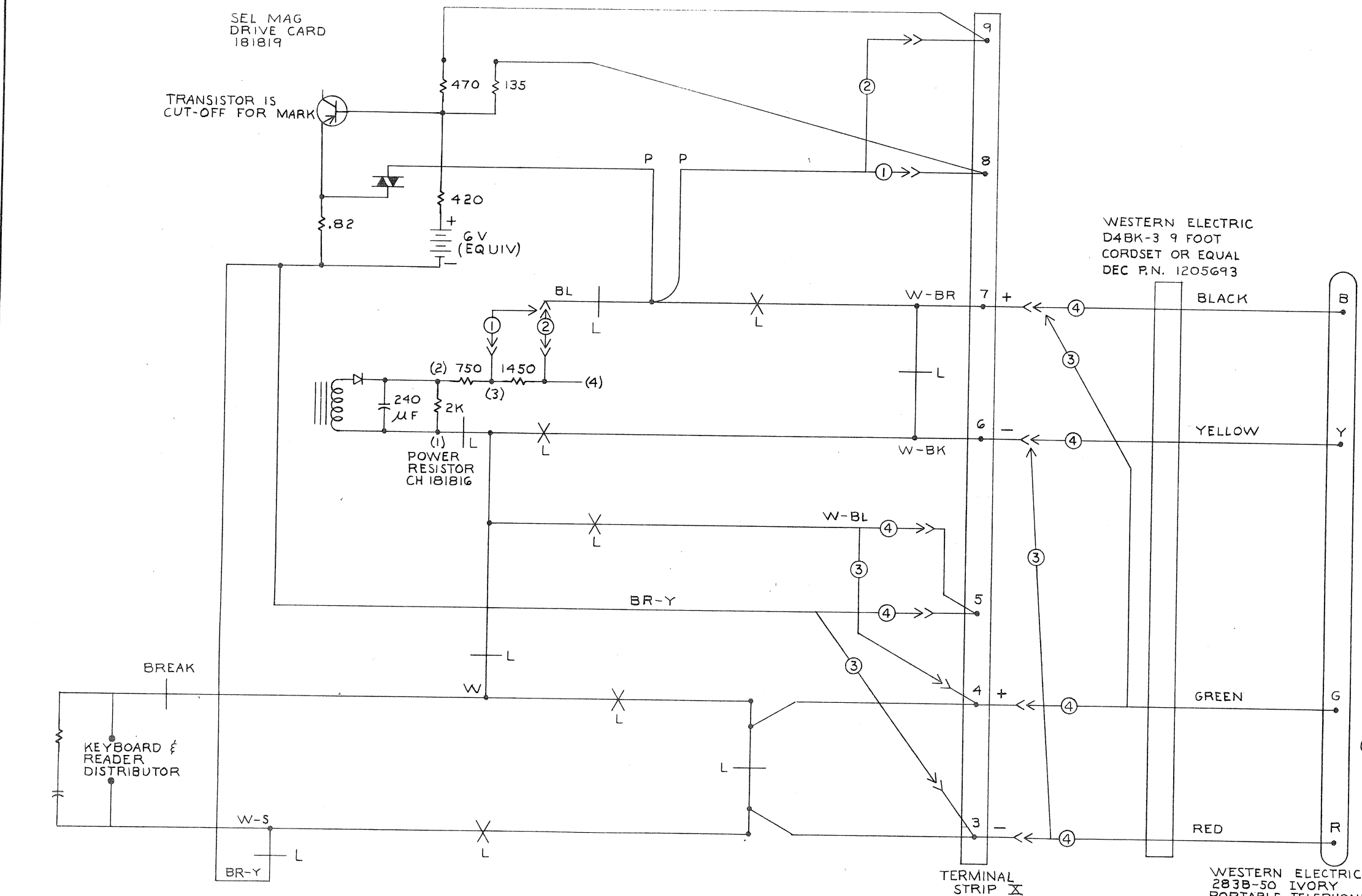
THIS TABLE PROVIDES 115 V TO THE LOAD AT THE NOMINAL LINE VOLTAGE

FIRST USED ON OPTION/MODEL
PDP-10



REVISIONS				
CHK	CHANGE NO.	DATE	BY	REV
<i>AK</i>	LT 33-00002	7-15-71	<i>AK</i>	A
A KENT				
Allen Kent 28 July 71				
<i>AK</i>	LT 33-00003		<i>AK</i>	B
AK 10-21-71				
A KENT				
Allen Kent				

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NOTES:

1. ABSTRACTED FROM TELETYPE CORR. 6353WD ISSUE 20.
2. THE YEL AND BLK WIRES OF THE TTY LINE CORD SHOULD BE INSULATED WITH A PIECE OF GLASS TAPE (SCOTCH 27) IN HALF DUPLEX SERVICE.
3. L RELAY IS PICKED UP IN LINE, DROPPED OUT IN OFF AND LOCAL.
X CLOSED WHEN PICKED UP
+ CLOSED WHEN DROPPED OUT.
4. WITHOUT AUTO MOTOR CONTROL
① 60 MA
② 20 MA
③ HALF DUPLEX
④ FULL DUPLEX

PRINTER (RECEIVE) LOOP
(FULL DUPLEX)
NO CONNEXION
(HALF DUPLEX)

KEYBOARD (TRANSMIT) LOOP (FULL DUPLEX)
TTY LOOP
(HALF DUPLEX)

WESTERN ELECTRIC
283B-50 IVORY
PORTABLE TELEPHONE
JACK OR EQUAL
DEC P.N. 1205857-1

REV.	CHANGE NO.	DATE
A	1	10-21-71
A	2	10-21-71
A	3	10-21-71
A	4	10-21-71
A	5	10-21-71
A	6	10-21-71
A	7	10-21-71
A	8	10-21-71

DEC FORM NO. 102A

UNLESS OTHERWISE SPECIFIED		DATE	2/27/68
UNLESS OTHERWISE SPECIFIED		DATE	3/14/68
TOLERANCES		DATE	25 MAR 68
DECIMALS FRACTIONS ANGLES		DATE	25 MAR 68
± .005 ± 1/64 ± 0°30'		DATE	1968
FINAL SURFACE QUALITY		DATE	
REMOVE BURRS AND BREAK SHARP CORNERS		DATE	
MATERIAL		DATE	
FINISH		DATE	
SCALE		DATE	
SHEET 1 OF 1		DATE	

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
digital EQUIPMENT CORPORATION			
MAYNARD, MASSACHUSETTS			
TITLE			
PDP 10 TELETYPE			
MODEL 33KSR			
FIRST USED ON			
D-UA-LT33A-O-O			
SIZE CODE			
NUMBER			
REV.			
A			