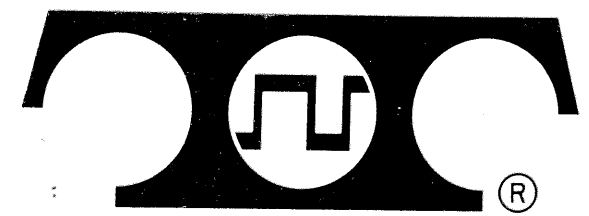


TELETYPE



ISSUE CONTROL RECORD

6353WD

NO. NOTES

SUPPORTING INFORMATION

CONTENTS

SHEET NO.

ISSUE

REVISIONS APPLYING TO THIS CONTROL RECORD

25. WHEN THE 182044 ELAPSED TIME INDICATOR IS USED ON HALF DUPLEX ARRANGEMENTS, WIRE AS SHOWN AT 5F8. WHEN FULL DUPLEX OPERATION IS REQUIRED WIRE TIMER AS SHOWN BELOW:

.060A OPERATION

.020A OPERATION

26. UCC6-WIRED AS SHOWN IN SOLID LINES. UCC36-T4 CONNECTED TO T15, NO CONNECTION TO T7. CCI NOT CONNECTED PER DASHED LINE TO PROVIDE 48 VAC OPERATION OF READER TRIP COIL.

27. 279M-48VAC-110Ω
300M-115VAC-780Ω

28. WHEN A SET CONTAINS A UP848 IT WILL BE NECESSARY TO REMOVE THE 182692 STRAP BETWEEN TERMINALS 788 AND REPLACE IT WITH THE 182693 STRAP BETWEEN TERMINALS 488.

29. THE "U" TRANSFORMER MAY BE ONE OF THE FOLLOWING:

CATEGORY

NO.

SHEET NO.	ISSUE																	
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1	32																	
2	23																	
3	24																	
4	26																	
5	26																	
ISS. NO.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
-1-															30	31	31	32
-2-															23	23	23	23
-3-															24	24	24	24
-4-															24	24	25	25
-5-															26	26	26	26

ISSUE	DATE	AUTH. NO.
1	5-26-67	94003
2	8-23-67	94003-D
3	8-25-67	94380D
4	12-21-67	95147-RC
5	1-16-68	94995-R
6	8-22-68	95993
7	1-27-69	96776
8	4-16-69	99079
9	5-22-69	99243
10	9-9-69	99474
11	9-17-69	99187
12	10-1-69	99557
13	2-11-70	99187-2
14	3-31-70	170
J5	7-30-70	99957
16	1-22-71	419
17	5-14-71	2787
18	1-11-72	4350
19	5-22-72	6325-RC
20	8-1-72	6503RC

ISSUE CONTROL SHEET 1 OF 1

WD NUMBER 6353 WD
DRAWN JER CHKD.
ENGL. AS APPD.
TELETYPE CORPORATION

6353WD

NOTE: REVISION INFORMATION MUST ALSO BE REFLECTED ON THE ISSUE CONTROL RECORD, WHICH IS PART OF THIS W.D.

6353WD

REVISIONS

ISSUE	DATE	AUTH. NO.
2	11-20-63	79266
3	1-8-64	79934
4	4-9-64	81640
5	6-9-64	81773
6	11-27-64	84602
7	2-15-65	84599-1
8	3-15-65	85643
9	8-6-65	88293
10	10-15-65	88933
11	12-17-65	89007
12	1-3-66	88841-3
13	2-1-66	90357
14	3-9-66	89721-2
15	2-29-66	90790
16	5-2-66	90374
17	5-10-66	90380
18	10-12-66	90771
19	10-19-66	92181
20	12-28-66	92962
21	5-26-67	92003
22	8-23-67	94003-1 D
23	9-24-67	94380 D
24	1-16-68	94996
25	1-24-68	96776
26	4-16-69	99079
27	5-20-69	99243
28	9-9-69	99474
29	7-29-70	99957
30	1-22-71	419
31	5-14-71	2787
32	5-22-72	6325-RC

SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS W.D.

SHEET 1 WDP

SCHEMATIC WIRING DIAGRAM FOR MODEL 33 ASR, KSF, RO DC SIGNAL LINE

APPROVALS

D AND R	E OF M
---------	--------

E-NUMBER

PROD. NO. 6353WD

DATE 4-24-67

P.D. FILE NO. 2-30 152/153AA

DRAWN JER. CHKD.

ENGD. AS APPD.

TELETYPE CORPORATION

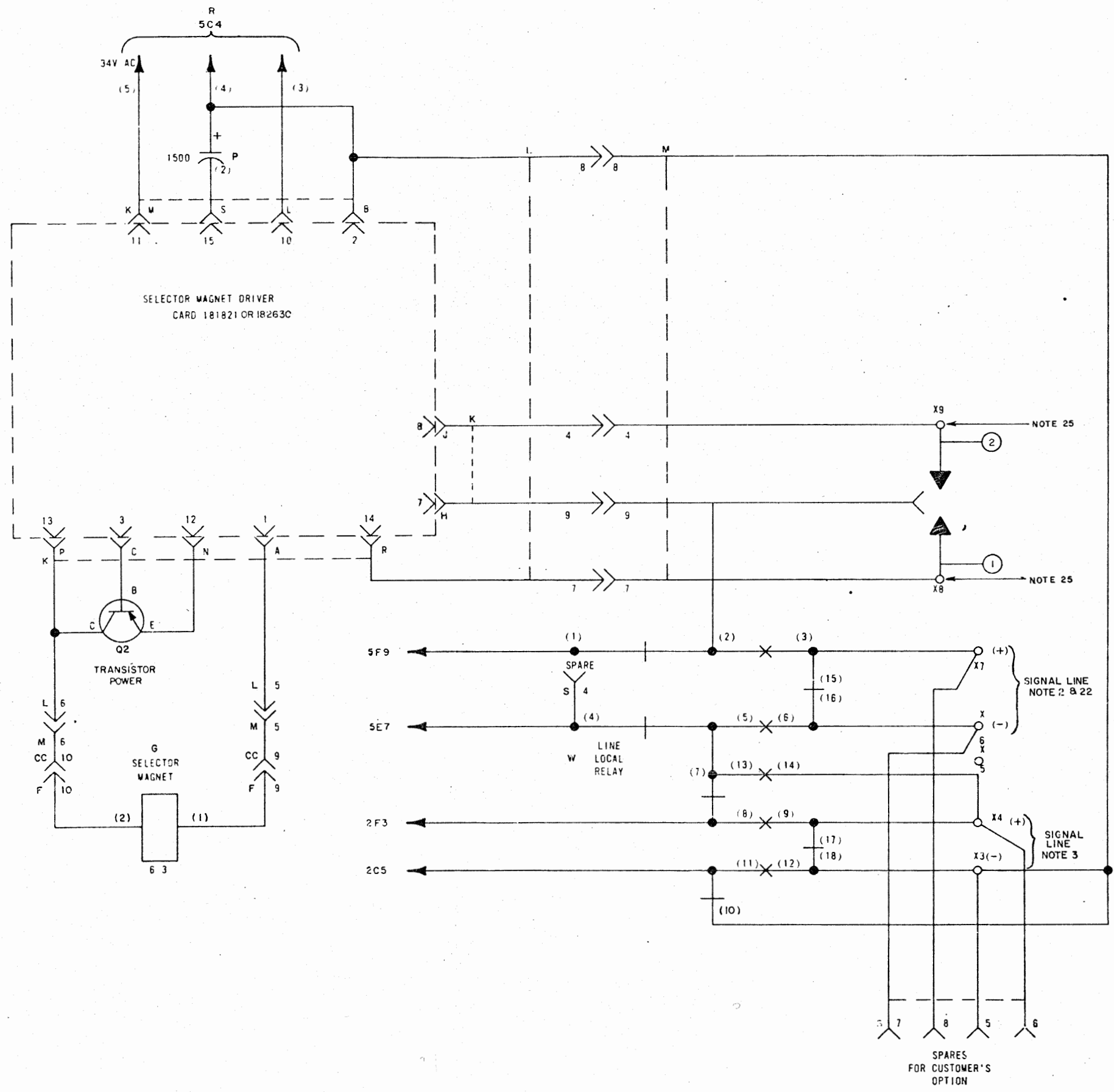
6353WD

- NO. NOTES
- FOR ACTUAL WIRING DIAGRAM SEE 6354WD.
 - THE SET IS SHOWN WIRED FOR SIMPLEX .060 AMP. NEUTRAL SIGNAL LINE ON TERMINALS 6 AND 7 OF THE 151411 TERM. STRIP. FOR .020 AMP. NEUTRAL SIGNAL LINE MOVE THE P WIRE FROM TERMINAL 8 TO TERMINAL 9 OF THE 151411 TERMINAL STRIP. ALSO MOVE THE BL WIRE FROM TERMINAL 3 OF THE POWER RESISTOR 181815 TO TERMINAL 4. (SEE NOTE 25)
 - FOR FULL DUPLEX OPERATION CONNECT THE SEND SIGNAL LINE TO TERMINAL 4 AND 3 OF THE 151411 TERMINAL STRIP. MOVE THE W-BL WIRE FROM TERMINAL 4 TO 5 AND THE BR-Y WIRE FROM TERMINAL 3 TO 5 ON THE 151411 TERMINAL STRIP. (SEE NOTE 25)
 - ON KSR SETS ALL ASSOCIATED READER WIRING IS NOT USED.
 - ALL CAPACITANCE VALUES IN MICROFARADS UNLESS OTHERWISE SPECIFIED.
 - ALL RESISTORS 1/2 WATT AND RESISTANCE VALUES IN OHMS UNLESS OTHERWISE SPECIFIED.
 - ON RO SETS USE 181836 PLUG ASSEMBLY.
 - THESE CONNECTIONS ARE MADE AS OPTIONS BY THE CUSTOMER AND OR THE FACTORY.
 - .060 AMP. SIGNAL LINE OPTION ①
.020 AMP. SIGNAL LINE OPTION ②
 - THIS IS AN B LEVEL UNIT.
 - THESE WIRES ARE IN THE DISTRIBUTOR CABLE AS SPARES. IF NOTE 13 APPLIES TAPE AND TIE BACK THESE WIRES.
 - THIS FUSE NOT INCLUDED ON SOME SETS. FUSE VALUES ARE AS FOLLOWS:

TRANSFORMER	FUSE	PART NO.
181879	1/2 AMP. SL-BL	117176
182657	9/10 AMP. SL-BL	182360
186651	1/2 AMP. SL-BL	117176
 - WIRING SHOWN AS XA IS FOR EVEN PARITY KEYBOARDS.
 - FURNISH 115V AC ± 10%, 60 Hz EXCEPT 50 Hz ON 33TAB, TAH KSR SETS, 33TAC, TAJ, TBP, TDK, TDM, TES, ASP SETS AND 33TBM RO SETS.
 - APPROPRIATE FUSE IN 182182 FUSEHOLDER NOT INCLUDED IN EARLY SETS.

MOTOR	FUSE VALUE	FUSE PART NO.
182241	2.0 AMPS.	138538
182267	1.8 AMPS.	32246
 - NETWORK 153631

470	0.11
-----	------
 - 60 CYCLE READER TRIP COIL RESISTANCE IS 630 Ω 50/60 CYCLE READER TRIP COIL RESISTANCE CHANGED FROM 630 Ω TO 760 Ω FOR IMPROVED 50 CYCLE OPERATION.
 - LOW PAPER ALARM CONTACTS NOT FOUND IN ALL UNITS CONTACT RATING 4 AMP. AT 30V DC.
 - TO CUSTOMER SUPPLIED ALARM.
 - AA, AB, AJ, AK, REFER TO MANUAL READER, BA, BB, BJ, BK, REFER TO AUTOMATIC READER.
 - MAY NOT BE FOUND ON EARLY UNITS.
 - 33TDY TO BE WIRED FOR .020 AMP. SIGNAL LINE OPERATION.
 - FOR CUSTOMER USE REQUIRES 48 VAC. POWER SUPPLY.
 - THE 186556 ELAPSED TIMER ASSEMBLY IS USED ON UP848 AND UP856
- NOTES CONTINUED ON ISSUE CONTROL SHEET.



SEE SHEET 1 FOR NOTES

NOTE: REVISION INFORMATION MUST ALSO BE REFLECTED ON THE ISSUE CONTROL RECORD, WHICH IS PART OF THIS W.D.

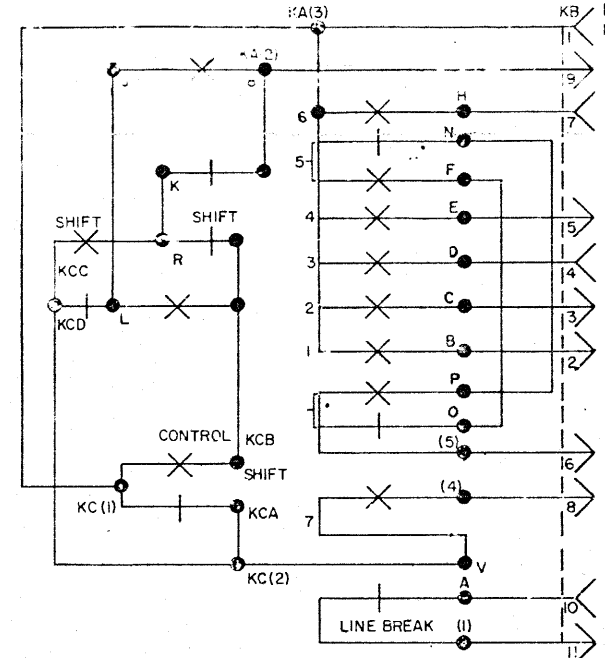
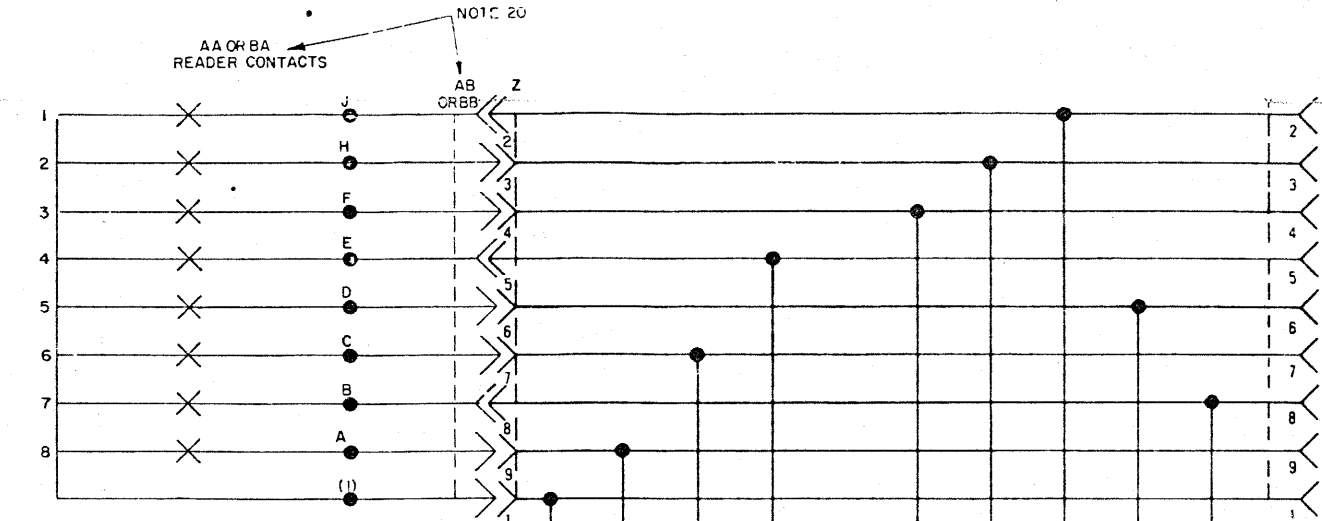
6353WD

REVISIONS

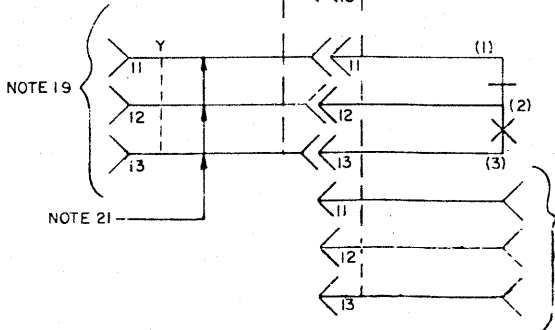
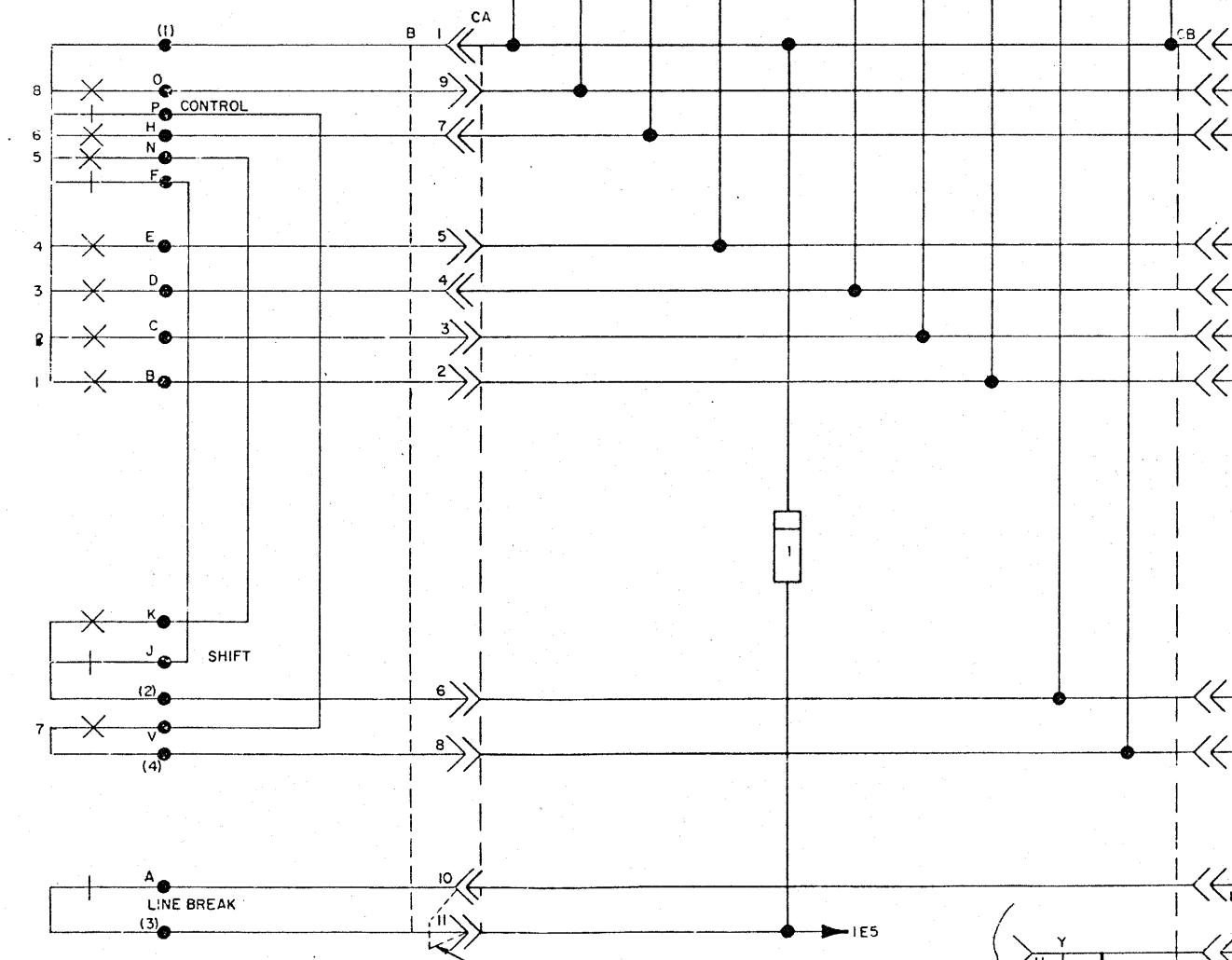
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3	1-8-64	79934
4	4-9-64	81640
5	6-9-64	81773
6	11-27-64	84602
7	2-15-65	84599-1
8	3-15-65	85643
9	8-6-65	88293
10	10-15-65	88363
11	12-17-65	89007
12	1-13-66	88841-3
13	2-17-66	90357
14	3-9-66	89721-2
15	3-29-66	90790
16	5-2-66	90371
17	5-10-66	90380
18	10-12-66	90771
19	10-19-66	92191
20	12-28-66	93862
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22	8-23-67	94003-10
23	1-24-69	96776

KA AND KC
PARITY KEYBOARD CONTACT
ARRANGEMENT

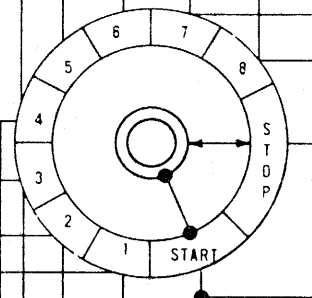
SPARES
FOR CUSTOMER'S
OPTION



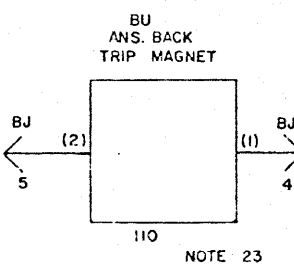
A
KEYBOARD CONTACT ARRANGEMENT



Q
PAPER OUT
ALARM
NOTE 18



D
DISTRIBUTOR
DISC



BU
ANS. BACK
TRIP
MAGNET
NOTE 23

E
ANSWER
BACK
CONTACTS

SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS W.D.

SHEET 2

SCHEMATIC
WIRING DIAGRAM
FOR
MODEL 33
ASR, KSR, RO
DC SIGNAL LINE

APPROVALS

D AND R	E OF M
---------	--------

E-NUMBER

PROD. NO. 6353WD

DATE 4-12-67

P.D. FILE NO. 2-30 152 153AA

DRAWN :R

CHKD.

ENGD. AS

APPD.

TELETYPE
CORPORATION

6353WD

SEE SHEET ONE FOR NOTES

MANUAL READER CIRCUITRY

NOTE:
REVISION INFORMATION MUST ALSO BE
REFLECTED ON THE ISSUE CONTROL REC-
ORD, WHICH IS A PART OF THIS DRAWING

6353WD

REVISIONS

ISSUE	DATE	AUTH. NO.
2	11-20-63	79266
3	1-8-64	79954
4	4-9-64	81640
5	6-9-64	81773
6	11-27-64	84602
7	2-15-65	84599-1
8	3-15-65	95643
9	8-6-65	88293
10	10-15-65	88985
11	12-17-65	39007
12	1-13-66	80841-3
13	2-17-66	90357
14	3-9-66	19721-2
15	3-29-66	90790
16	5-2-66	90374
17	5-10-66	90380
18	6-12-66	90777
19	10-19-66	90781
20	12-27-66	90962
21	8-22-68	95993
22	9-17-69	99187
23	2-10-70	99187-2
24	2-31-70	170

SEE ISSUE CONTROL RECORD FOR COM-
PLETE LIST OF SHEETS COMPRISING THIS
WD

SHEET 3

SCHEMATIC
WIRING DIAGRAM
FOR
MODEL 33
ASR, KSR, RO
DC SIGNAL LINE

APPROVALS

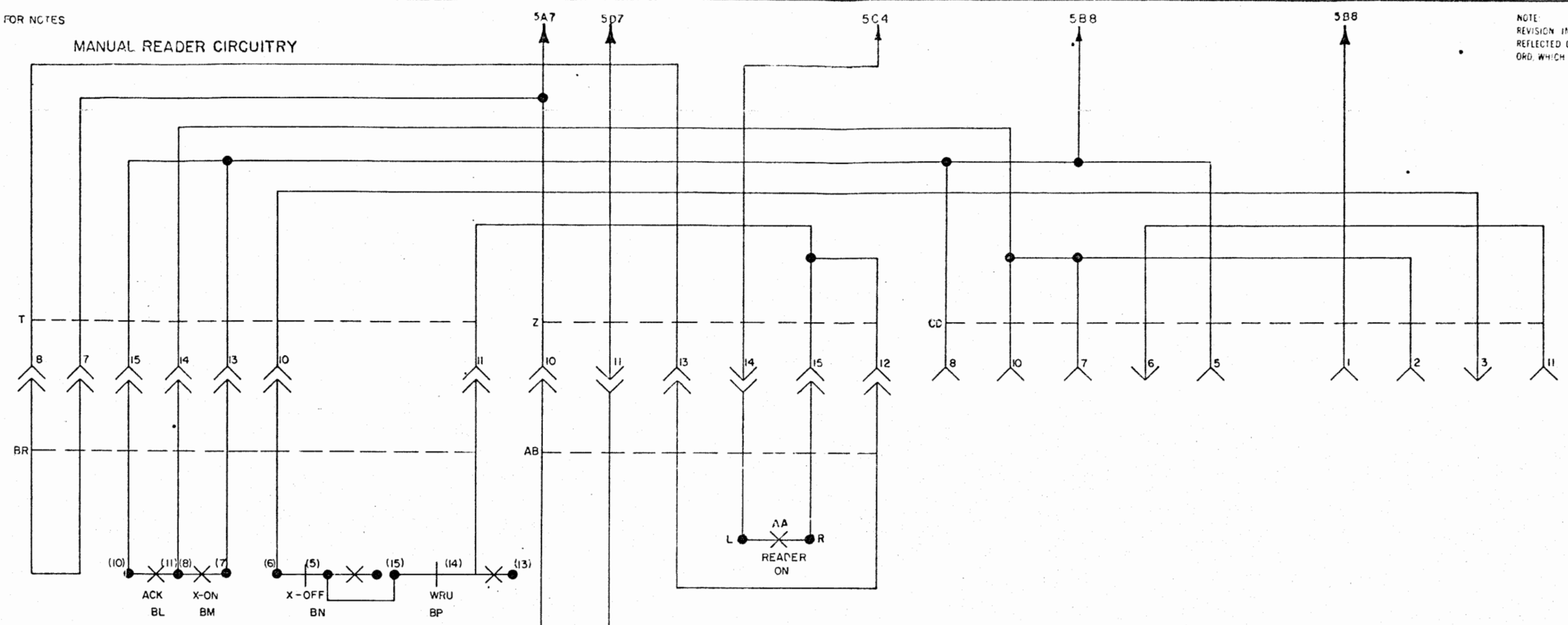
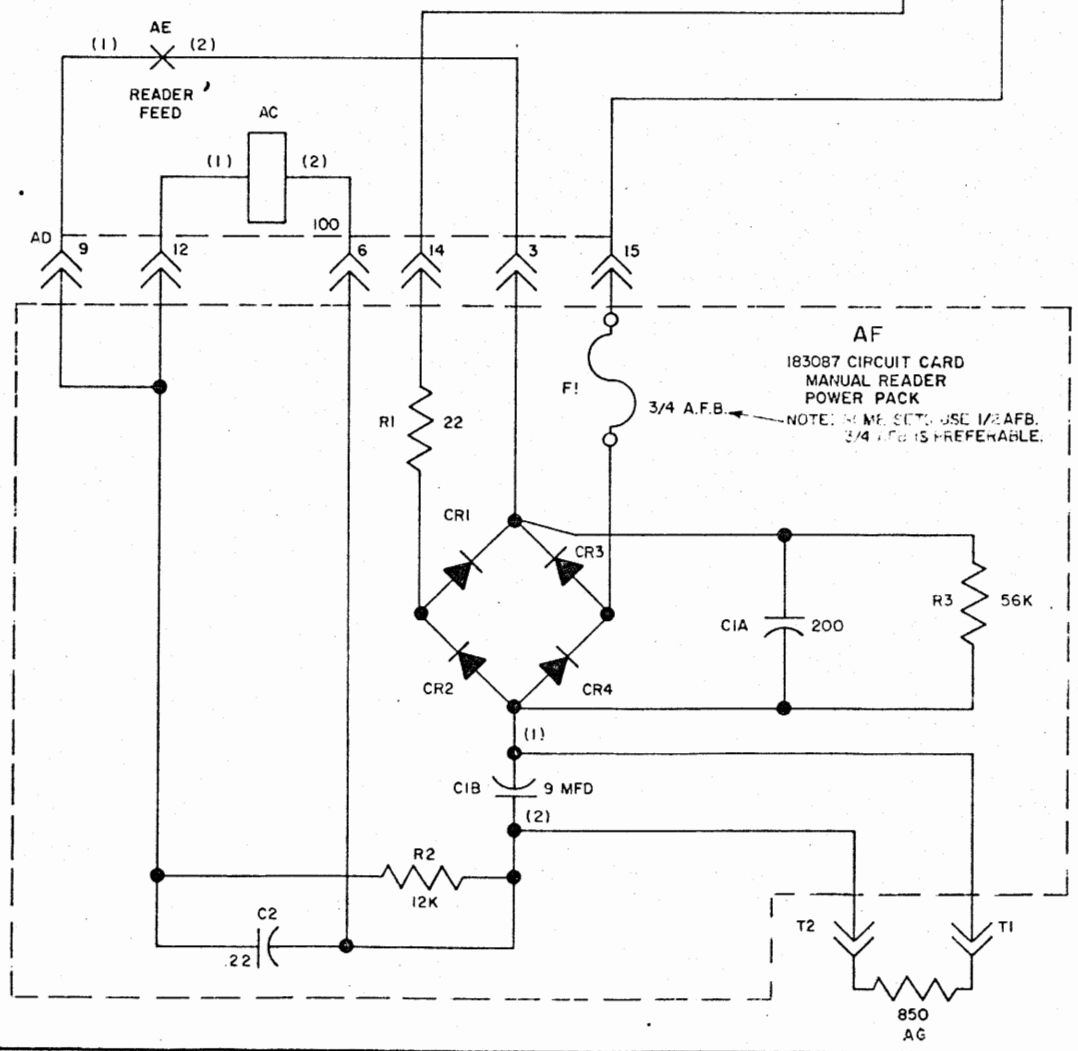
D AND R	E OF M
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E-NUMBER
PROD. NO. 6353WD
DATE 4-28-67
P.D. FILE NO. 2-30 152/153AA
DRAWN JER
ENG. AS

CHKD.
APPD.

TELETYPE
CORPORATION

6353WD



SEE SHEET ONE FOR NOTES

AUTOMATIC READER CIRCUITRY

NOTE
REVISION INFORMATION MUST ALSO BE
REQUESTED ON THE ISSUE CONTROL RE-
CORD, WHICH IS A PART OF THIS DRAWING

6353WD

REVISIONS

ISSUE	DATE	AUTH. NO.
2	11-20-63	79266
3	1-8-64	79934
4	4-9-64	81640
5	6-9-64	81773
6	11-27-64	84602
7	2-15-65	84599-1
8	3-15-65	85643
9	8-6-65	88293
10	10-15-65	88983
11	12-17-65	89007
12	1-13-66	88541-3
13	2-17-66	90357
14	3-9-66	89721-2
15	3-29-66	90790
16	5-2-66	90374
17	5-10-66	90380
18	10-12-66	90771
19	10-19-66	92181
20	12-28-66	92962
21	1-24-69	96776
22	10-1-69	99557
23	3-31-70	170
24	1-22-71	419
25	1-13-72	4350
26	8-1-72	6503RC

SEE ISSUE CONTROL RECORD FOR COM-
PLETE LIST OF SHEETS COMPRISING THIS
WD

SHEET 4

SCHEMATIC
WIRING DIAGRAM
FOR
MODEL 33
ASR, KSR, RO
DC SIGNAL LINE

APPROVALS

D AND R	E OF M
<i>l B m</i>	

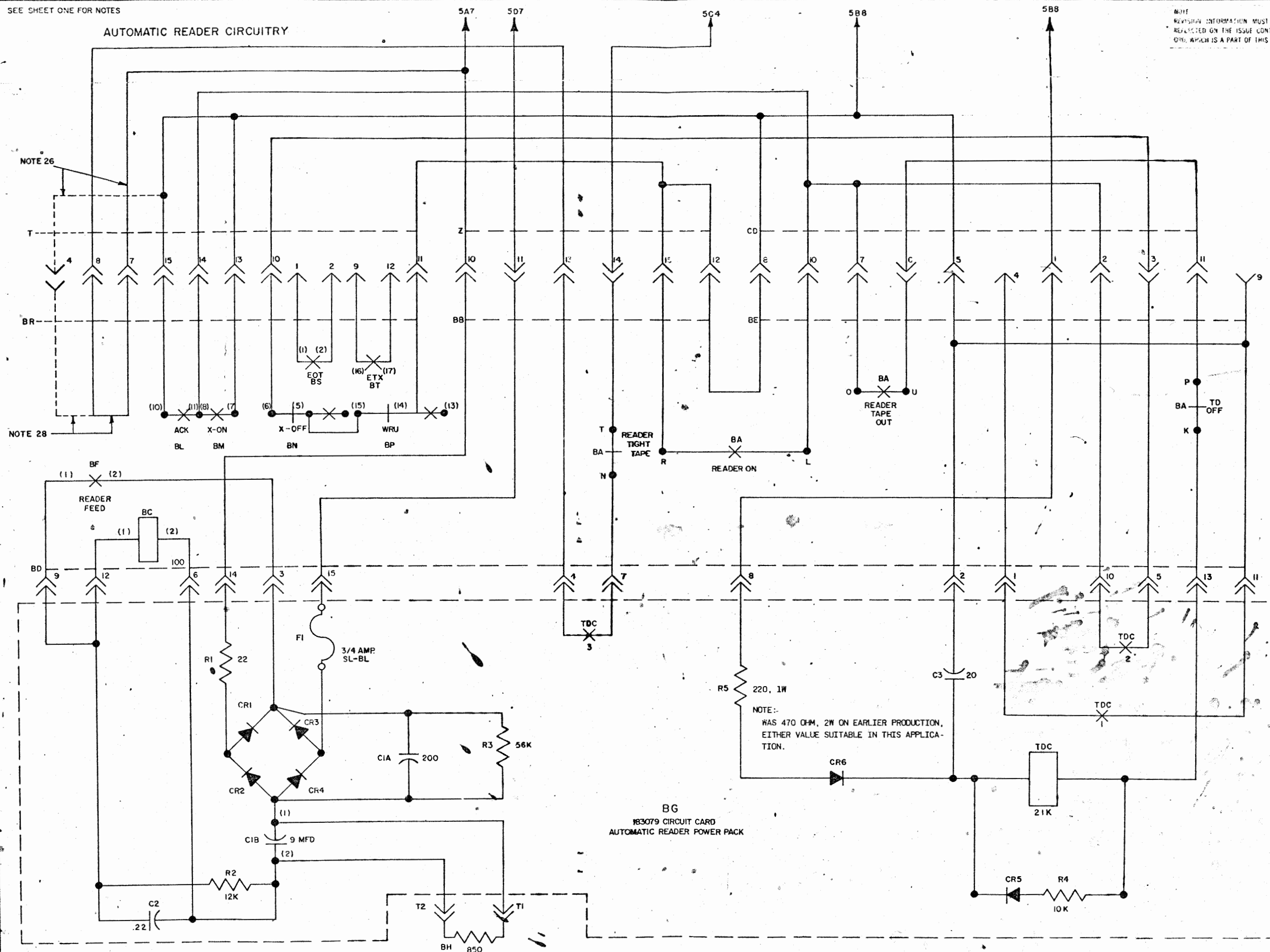
E-NUMBER
PROD. NO. 6353 WD

DATE 4-28-67
P.D. FILE NO. 2-30.152/153AA

DRAWN JER.	CHKD.
ENGD. AS.	APPD.

TELETYPE
CORPORATION

6353WD



BG
183079 CIRCUIT CARD
AUTOMATIC READER POWER PACK

NOTE:-
WAS 470 OHM, 2W ON EARLIER PRODUCTION,
EITHER VALUE SUITABLE IN THIS APPLICA-
TION.

NOTE 26

NOTE 28

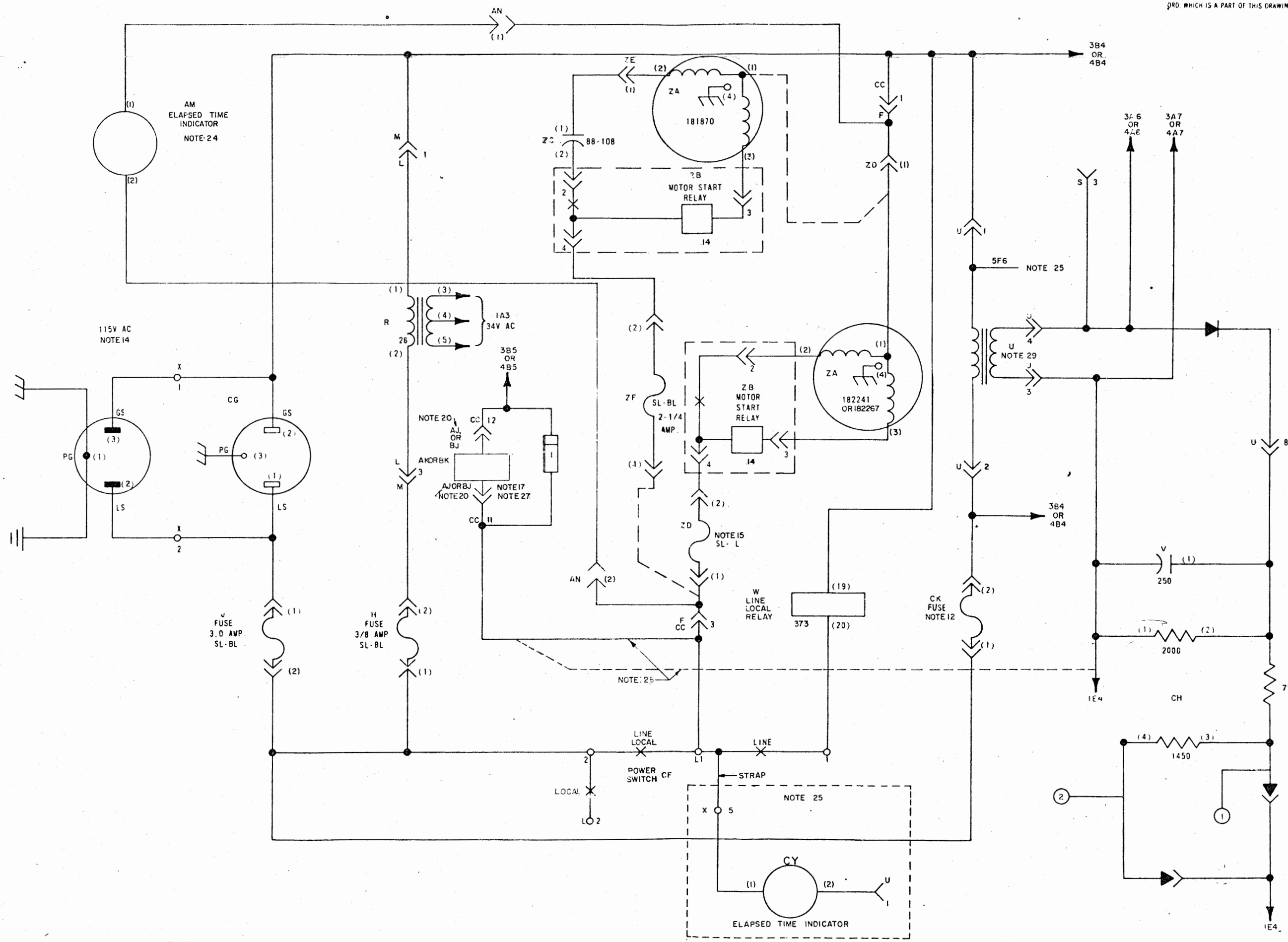
SEE SHEET 1 FOR NOTES

NOTE
REVISION INFORMATION MUST ALSO BE
REFLECTED ON THE ISSUE CONTROL REC-
ORD. WHICH IS A PART OF THIS DRAWING

6353WD

REVISIONS

ISSUE	DATE	AUTH. NO.
2	11-20-63	79266
3	1-8-64	79934
4	4-9-64	81640
5	6-9-64	81773
6	11-27-64	84602
7	2-15-65	84599-1
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18	10-12-66	90771
19	10-19-66	92181
20	12-28-66	92962
21	12-21-67	95147-RC
22	1-24-69	96776
23	5-19-69	99243
24	10-1-69	99557
25	3-31-70	170
26	1-22-71	419



SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS W.D.

SHEET 5

SCHEMATIC
WIRING DIAGRAM
FOR
MODEL 33
ASR, KSR, RO
DC SIGNAL LINE

APPROVALS

D AND R	E OF M
E-NUMBER	
PROD. NO. 6353 WD	
DATE 4-23-67	
P.D. FILE NO. 2-30152/153AA	
DRAWN JR	CHKD.
ENGD. AS	APPD.

TELETYPE CORPORATION

6353WD

ISSUE CONTROL RECORD

6354 WD

NO.	NOTES	SUPPORTING INFORMATION		CONTENTS
		CATEGORY	NO.	
30.	THE 186543 CABLE ASSEMBLY IS USED ON UP848.			
31.	THE WRU CONTACT IS NOT WIRED ON UP848			
32.	THE 186554 CABLE ASSEMBLY IS USED ON UP848 AND UP856.			
33.	THE 186556 ELAPSED TIMER ASSEMBLY AND THE 181891 SLEEVES ARE USED ON UP848 AND UP856.			
34.	<p>a. THE 182044 ELAPSED TIMER KIT IS USED ON MODELS 33TDH, TOP, AND IS FACTORY WIRED AS SHOWN FOR 020A OR .060A HALF DUPLEX OPERATION.</p> <p>b. FULL DUPLEX 060A. IF THIS OPTION IS DESIRED FOR USE WITH THE 182044 ELAPSED TIMER KIT (REFER NOTE 5), DISCONNECT TAPE AND TIE BACK THE YELLOW WIRE THAT IS PRESENTLY CONNECTED AT TERMINAL 9 AND RELOCATE THE TIMER LEAD CY-1-BL AND THE 176162 STRAP FROM TERMINAL 5 OF THE "X" TERMINAL STRIP TO TERMINAL 9.</p> <p>c. FULL DUPLEX 020A. IF THIS OPTION IS DESIRED FOR USE WITH THE 182044 ELAPSED TIMER KIT (REFER NOTES 4 & 5), DISCONNECT TAPE AND TIE BACK THE BLACK-GREEN WIRE THAT IS PRESENTLY CONNECTED AT TERMINAL 8 AND RELOCATE THE TIMER LEAD CY-1-BL AND THE 176162 STRAP FROM TERMINAL 5 OF THE "X" TERMINAL STRIP TO TERMINAL 8.</p>			
35.	279 M-48VAC-110Ω 300M-115VAC-780Ω			
36.	WHEN A SET CONTAINS A UP 848 IT WILL BE NECESSARY TO REMOVE THE 182692 STRAP BETWEEN TERMINALS 7&8 AND REPLACE IT WITH THE 182693 STRAP BETWEEN TERMINALS 4&8.			
37.	OLDER SETS NOT EQUIPPED WITH PEDESTAL GROUND STRAP.			
38.	OLDER STYLE CONVENIENCE OUTLET MECHANICALLY GROUNDED.			
39.	WIRING APPLIES TO UNITS WITH 186651 TRANS. ASSEM. (TRANS. PART NO. 186648)			
40.	MANUFACTURING CHANGES MADE IN CABLE OF "PARITY" KEYBOARDS. EARLIER UNITS HAD 2 WIRES IN CERTAIN CONTACT BLOCK AND CONNECTOR PINS (KA-L,R,V,J,K3-1). KEYBOARD FUNCTION UNCHANGED. BOXES REPRESENT SPLICES INTERNAL TO CABLE. SPLICES NOT SHOWN ON ASSOCIATED SCHEMATIC DRAWINGS.			
41.	<p>WIRING LEGEND:</p> <p>CC, DA-9-0</p>			

SHEET NO.	ISSUE																		
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
6																			
1	X	X		29	29	29	30	30	30	31	32								
2	X	X		25	26	27	27	27	27	27	28								
3	X	X		26	26	26	26	27	28	28	29								
4				10	10	10	10	10	10	10	10								
5				11	11	11	11	11	11	11	11								
6																			

REVISIONS APPLYING TO THIS CONTROL RECORD		
ISSUE	DATE	AUTH. NO.
1	3-9-66	89721-2
2	3-29-66	90790
3	5-10-66	90380
4	6-29-66	90965
5	10-11-66	90771
6	10-19-66	92181
7	5-26-67	94003
8	8-7-67	94091-B
9	8-23-67	94003-1D
10	3-28-68	95607
11	4-11-68	95703
12	5-8-68	95523-4
13	5-21-68	95781
14	1-27-69	96776
15	4-16-69	99079
16	5-22-69	99243
17	9-9-69	99474
18	10-1-69	99557
19	10-16-69	99725
20	10-17-69	99716
21	2-18-70	99947-4
22	3-4-70	99947-1
23	12-9-70	2145
24	1-18-71	736
25	1-22-71	419
26	5-14-71	2787
27	1-14-72	5078
28	3-29-72	5078-1
29	5-22-72	6325-RC
30	11-21-73	8046

ISSUE CONTROL SHEET 1 OF 1

ACTUAL WIRING DIAGRAM FOR MODEL 33 ASR, KSR, RO FOR DC SIGNAL LINE

WD NUMBER 6354 WD

DRAWN _____ CHKD. _____

ENGD. *PR.5* APPD. *H.A.J.*

TELETYPE CORPORATION

6354 WD

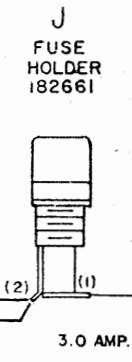
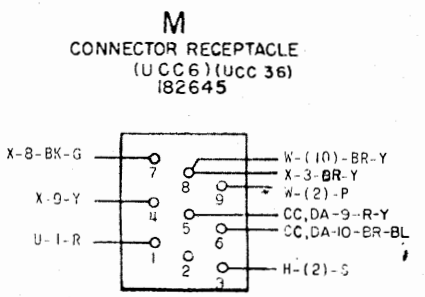
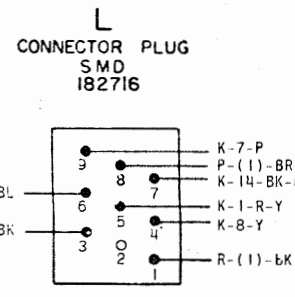
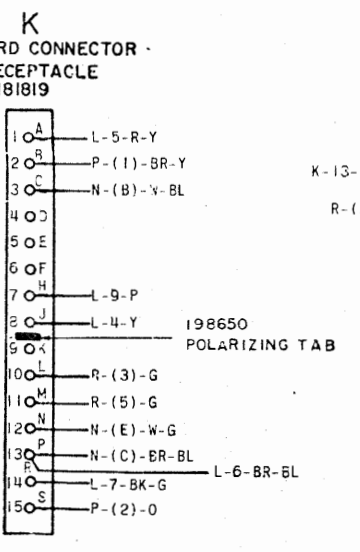
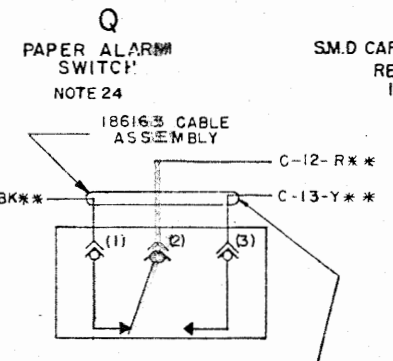
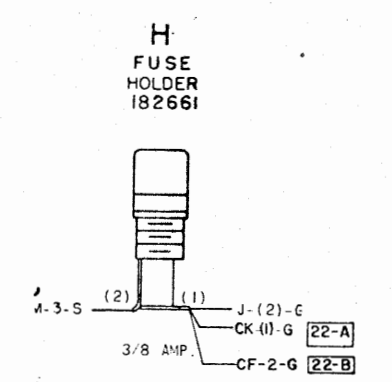
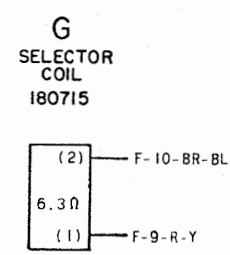
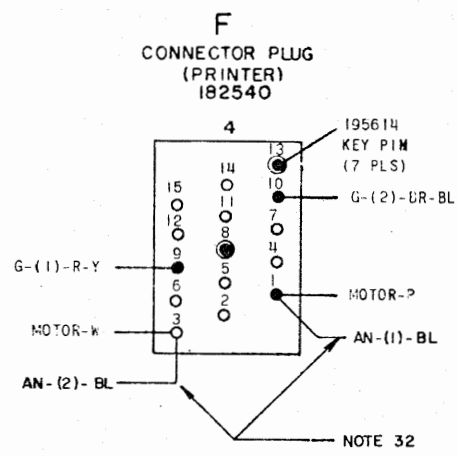
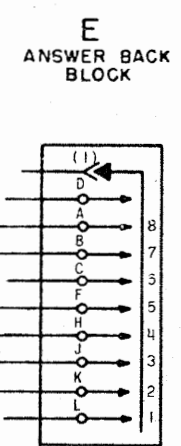
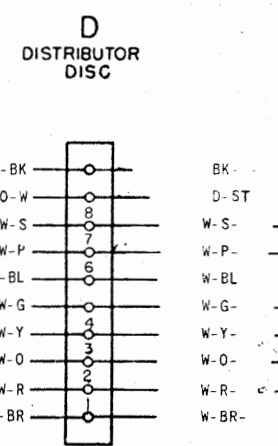
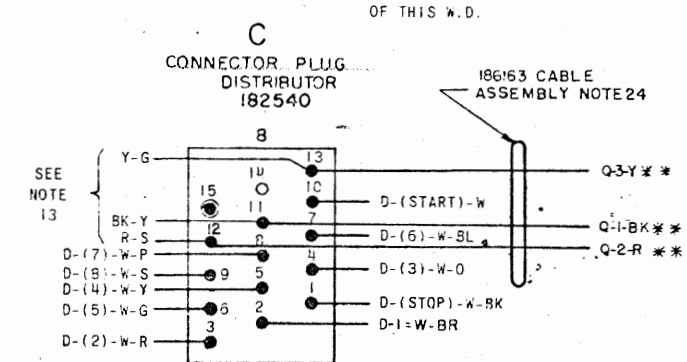
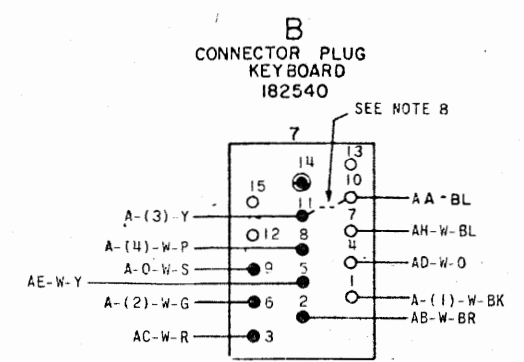
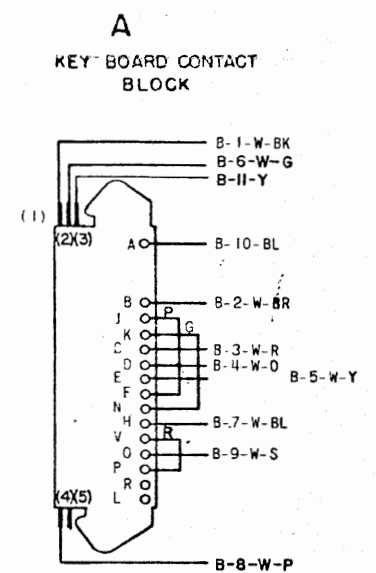
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A 2	11-20-63	79266
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D 5	3-16-64	81133
E 6	6-9-64	81772
F 7	11-27-64	82522
G 8	2-15-65	82599-1
H 9	3-15-65	83643
I 10	4-10-65	86573
J 11	8-6-65	88293
K 12	10-15-65	88983
L 13	12-17-65	89007
M 14	1-13-66	88241-3
N 15	3-9-66	89721-3
O 16	3-29-66	90760
P 17	5-10-66	90380
Q 18	10-11-66	90771
R 19	10-19-66	92181
S 20	12-1-66	91561
T 21	5-26-67	94003
U 22	8-7-67	94091-B
V 23	8-23-67	94003-10
W 24	4-11-68	95703
X 25	5-20-68	95781
Y 26	1-27-69	96776
Z 27	4-16-69	99079
AA 28	9-9-69	99474
AB 29	10-1-69	99557
AC 30	5-14-71	2787
AD 31	5-22-72	6325-RC
AE 32	11-21-73	8046

NOTE:
REVISION INFORMATION MUST ALSO BE REFLECTED ON THE ISSUE CONTROL RECORD, WHICH IS PART OF THIS W.D.

1. WIRING LEGEND:
DISTANT TERMINATING AREA
DISTANT TERMINATING DESIGNATION
A-11-BK (20-B) NOTE 19
WIRE COLOR CODE
ALSO REFER TO NOTE 41
2. WIRE COLOR CODE:
BK - BLACK BL - BLUE
BR - BROWN S - SLATE
Y - YELLOW G - GREEN
O - ORANGE P - PURPLE
R - RED W - WHITE
3. FOR SCHEMATIC WIRING DIAGRAM SEE 6353WD.
4. THE SET IS SHOWN WIRED FOR SIMPLEX .060 AMP. NEUTRAL SIGNAL LINE ON TERMINALS 6 AND 7 OF THE 151411 TERMINAL STRIP. FOR .020 AMP. NEUTRAL SIGNAL LINE MOVE THE P WIRE FROM TERMINAL 8 TO TERMINAL 9 OF THE 151411 TERMINAL STRIP. ALSO MOVE THE BL WIRE FROM TERMINAL 3 TO 4 ON THE POWER RESISTOR. (SEE NOTE 34)
5. FOR FULL DUPLEX OPERATION CONNECT THE SEND SIGNAL LINE TO TERMINALS 4 & 3 OF THE 151411 TERMINAL STRIP. MOVE THE W-BL WIRE FROM TERMINAL 4 TO 5 AND THE BR-Y WIRE FROM TERMINAL 3 TO 5 ON THE 151411 TERMINAL STRIP. (SEE NOTE 34)
6. TERMINAL DESIGNATIONS ENCLOSED IN PARENTHESES ARE NOT MARKED ON THE COMPONENT.
7. ASSOCIATED CABLE ASSEMBLY 181820.
8. ON R.D. SETS SUBSTITUTE 181838 CABLE ASSEMBLY ON CONNECTOR "7".
9. 181827 CABLE ASSEMBLY USED ON 181820 CABLE ASSEMBLY.
10. USE 181826 STRAPS ON ASSEMBLY.
11. IF EITHER X-OFF OR WRU FUNCTION CONTACT IS NOT USED THE CONTACT SHOULD BE JUMPED OUT (UX801).
12. 181839 PLUG ASSEMBLY USED ON ASR SETS. (UX 800)
13. THESE WIRES ARE IN THE DISTRIBUTOR CABLE AS SPARES.
14. WIRING DESIGNATED "(NOTE 14)" APPLIES TO UNITS WITHOUT CK FUSE HOLDER.
15. WIRING DESIGNATED "(NOTE 15)" APPLIES TO UNITS WITH CK FUSE HOLDER.

22. WIRING REARRANGED TO AVOID CRIMPING TWO 20 GA. WIRES IN ONE TERMINAL.
23. 60 CYCLE READER TRIP COIL RESISTANCE IS 630Ω. 50/60 CYCLE READER TRIP COIL RESISTANCE CHANGED FROM 630Ω TO 780Ω FOR IMPROVED 50 CYCLE OPERATION.
24. THE 186163 CABLE ASSEMBLY AND PAPER ALARM SWITCH ARE USED ON UP827 ONLY.
25. MAY NOT BE FOUND ON EARLIER UNITS.
26. THE 184156 CABLE ASSEMBLY AND PAPER ALARM SWITCH ARE USED ON UP837.
27. THE ACK AND THE WRU CONTACTS ARE NOT USED ON UP837
28. FOR CUSTOMER USE REQUIRES 48 VAC POWER.
29. THE 186546 CABLE ASSEMBLY IS USED ON UP856.

16. FUSE VALUES ARE AS FOLLOWS:
- | TRANSFORMER | FUSE | PART NO. |
|-------------|-----------------|----------|
| 181879 | 1/2 AMP. SL-BL | 117176 |
| 182657 | 8/10 AMP. SL-BL | 162360 |
17. WIRING SHOWN FOR KA, KB, & KC IS FOR EVEN PARITY KEYBOARDS.
18. FURNISH 115V AC ± 10%, 60 Hz, EXCEPT 50 Hz ON 33 TAB KSR, AND 33 TAC, TDK, TDM, TES, & SR SETS.
19. WIRING STATUS:
RECTANGULAR BOX INDICATES HISTORY OF WIRING CHANGES.
NOTE B-DENOTES WIRING BEFORE AND A-WIRING AFTER THE CHANGE DESCRIBED BY THE DESIGNATED NOTE. ENTERED THE PRODUCT.
NOTE NO. 00-B
NOTE NO. 00-A
20. 185731 STRAP AND FUSE ASSEMBLY NOT INCLUDED IN EARLY SETS.
- | MOTOR | FUSE VALUE | FUSE PART NO. |
|--------|------------|---------------|
| 182241 | 2.0 AMP | 138538 |
| 182261 | 1.8 AMP | 320346 |
21. * DENOTES 20 GA. WIRE
** DENOTES 18 GA. WIRE



SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF REVISIONS COMPRISING THIS W.D.

SHEET 1

ACTUAL WIRING DIAGRAM FOR MODEL 33 ASR, KSR, RD FOR DC SIGNAL LINE

APPROVALS

D AND R H.J.K.	E OF M
-------------------	--------

E-NUMBER

PROD. NO. 6354WD

DATE 9-25-63

P.D. FILE NO. 2-30.152 153AA

DRAWN C.G. CHKD.

ENGD. P.R.S. APPD.

TELETYPE CORPORATION

6354WD

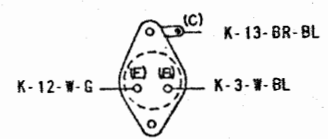
NOTE:
REVISION INFORMATION MUST ALSO BE
REFLECTED ON THE ISSUE CONTROL REC-
ORD, WHICH IS A PART OF THIS DRAWING.

6354 WD

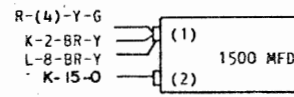
REVISIONS

ISSUE	DATE	AUTH. NO.
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23	5-21-69	99243
24	10-1-69	99557
25	3-4-70	99947.1
26	1-15-71	736
27	1-22-71	419
28	11-21-73	8046

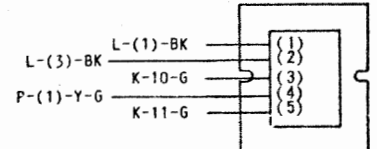
N
TRANSISTOR
POWER
181675



R
CAPACITOR
182501

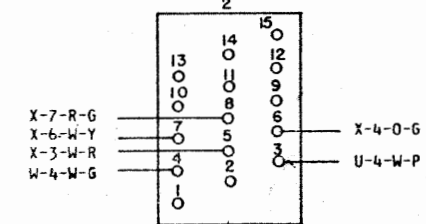


R
TRANSFORMER
337992

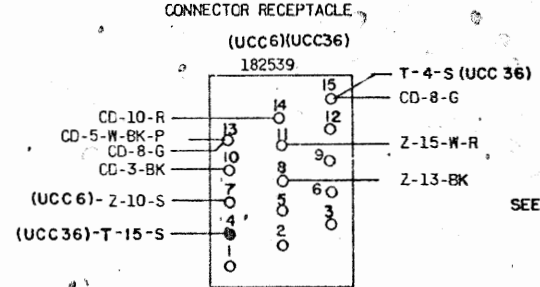


(SOME UNITS CONTAIN
184011, 182722 OR 330793
TRANSFORMER)

S
CONNECTOR RECEPTACLE
(UCC6)(UCC36)
182539



T
CONNECTOR RECEPTACLE
(UCC6)(UCC36)
182539



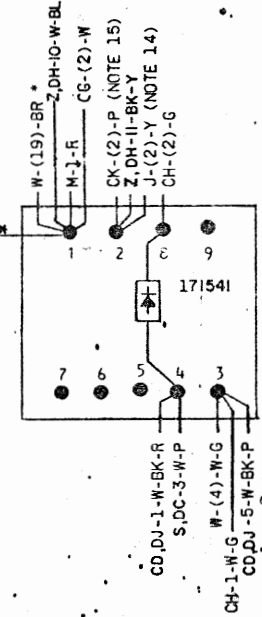
181836 CABLE
ASSEMBLY

181837 CABLE
ASSEMBLY

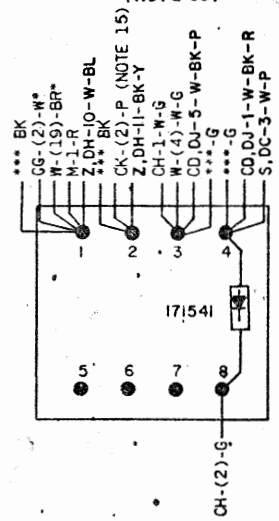
182781 CABLE
ASSEMBLY

SEE NOTE 34 → CY-(2)-BL

U
TRANSFORMER
181879

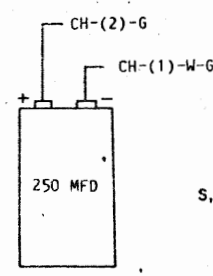


U
TRANSFORMER ASSEMBLY
(NOTE 39)
186651

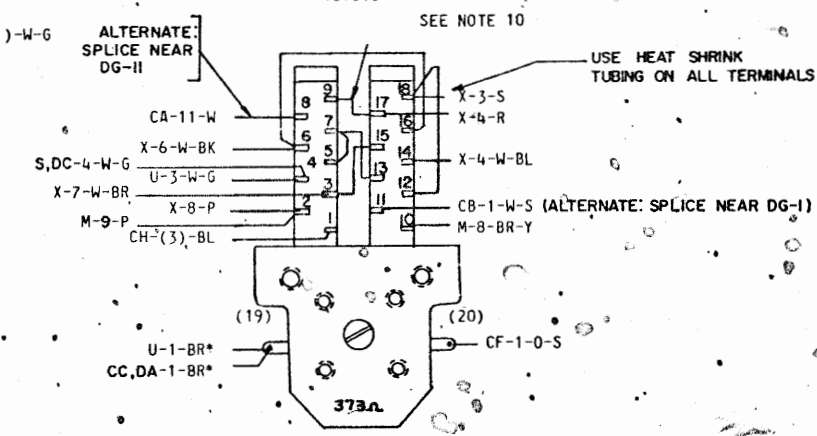


*** DENOTES TRANSFORMER LEADS

V
CAPACITOR
181814



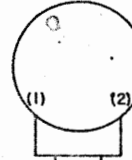
W
LINE RELAY
181810



SEE NOTE 10

USE HEAT SHRINK
TUBING ON ALL TERMINALS

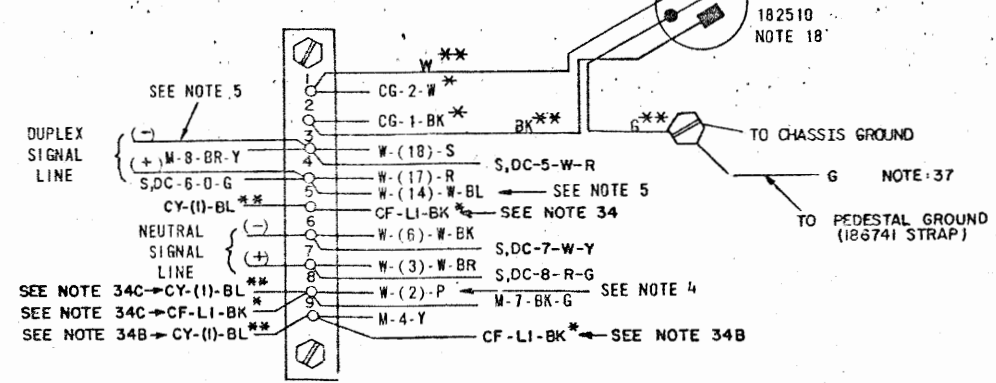
CY
ELAPSED TIME INDICATOR



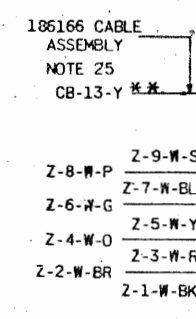
NOTE 34

X-5-BL ** U1-BL **

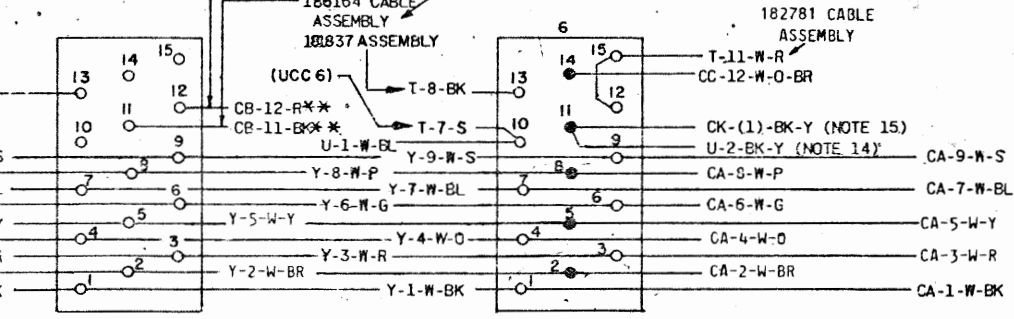
X
TERMINAL STRIP
151411



Y
CONNECTOR RECEPTACLE
(UCC 36)(UCC6)
182539



Z
CONNECTOR RECEPTACLE
(UCC6)(UCC 36)
182539



SEE ISSUE CONTROL RECORD FOR COM-
PLETE LIST OF SHEETS COMPRISING THIS
W.D. SHEET 2

ACTUAL
WIRING DIAGRAM
FOR
MODEL 33 - ASR, KSR, RO
FOR
DC SIGNAL LINE

APPROVALS

D AND R E OF M
HJK

E-NUMBER

PROD. NO. 6354WD

DATE 9-25-63

P.D. FILE NO. 2-30.152/153AA

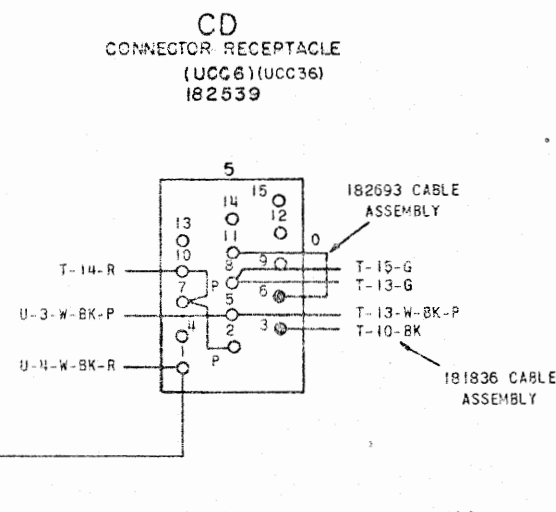
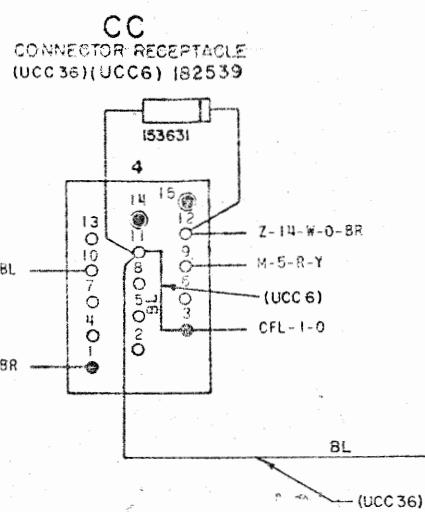
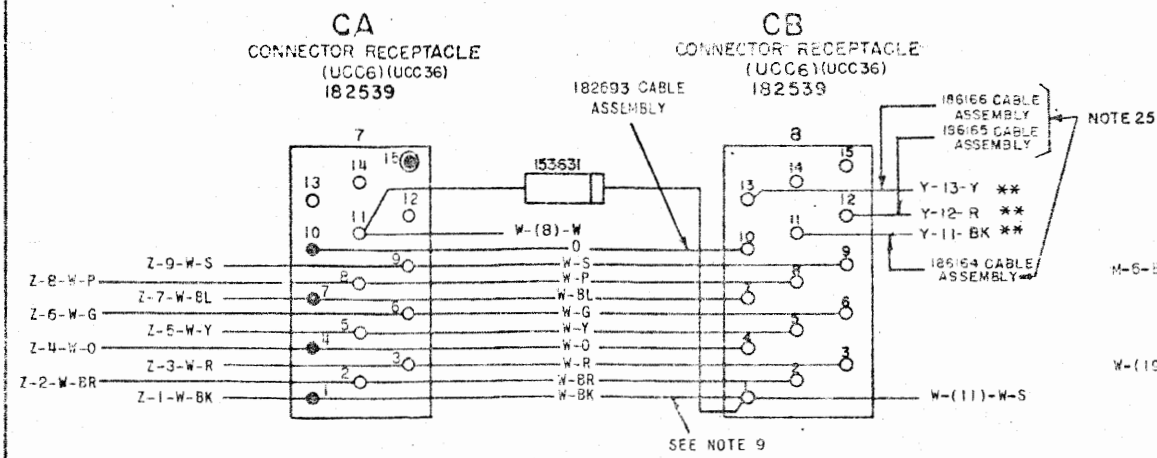
DRAWN CG CHKD.

ENGD. PRC APPD.

TELETYPE
CORPORATION

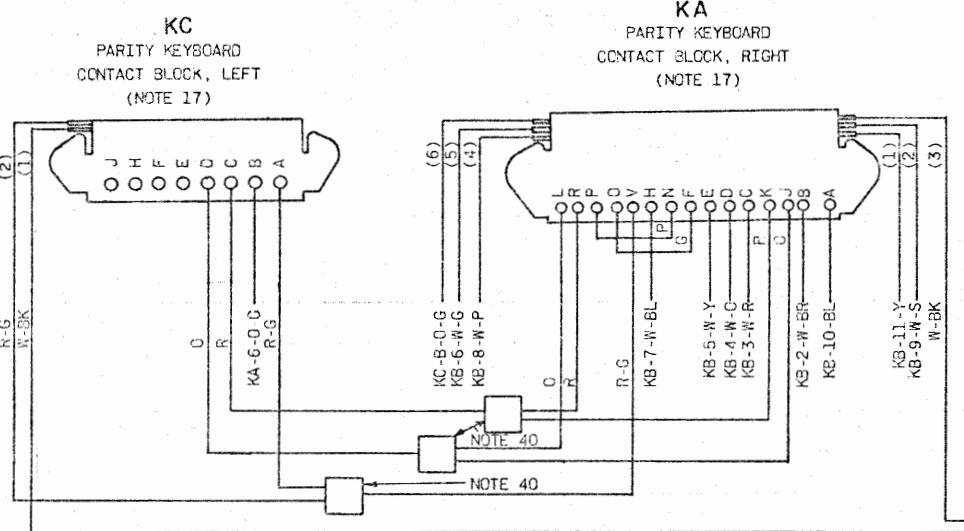
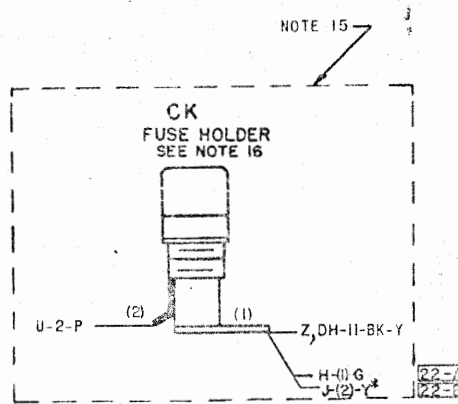
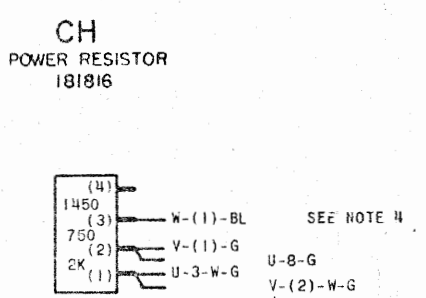
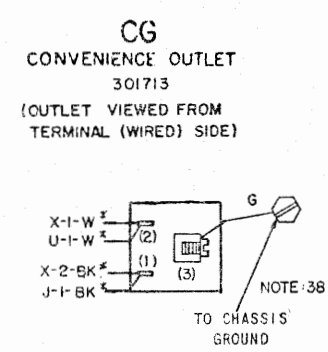
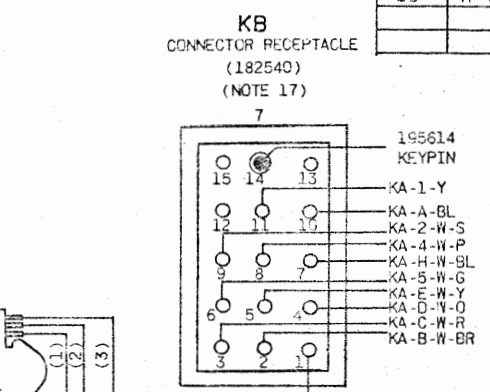
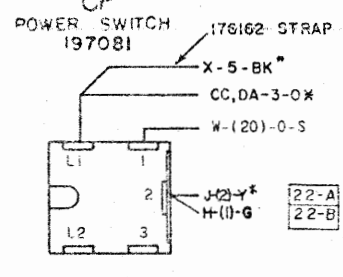
6354 WD

SEE SHEET 1 FOR NOTES

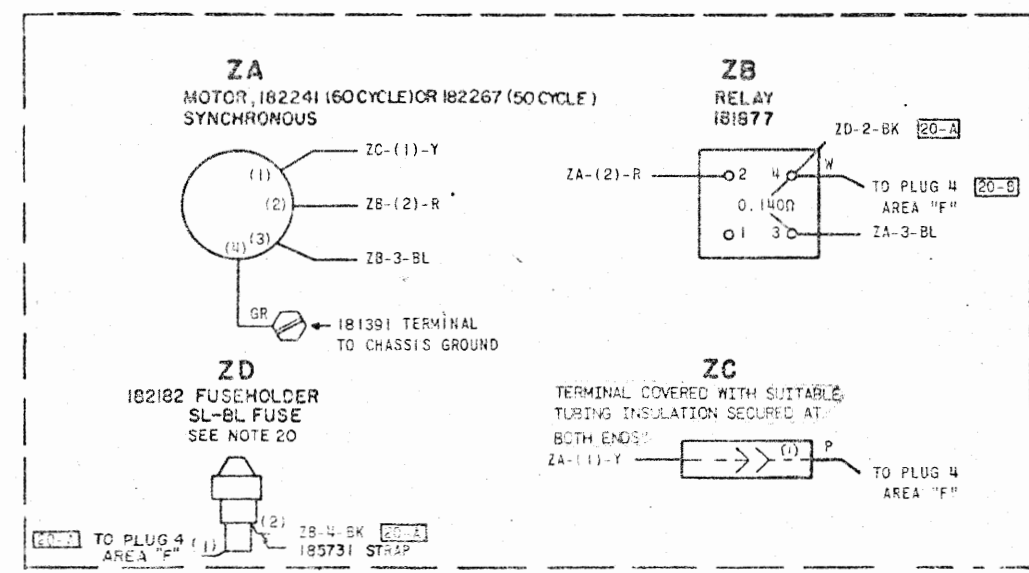
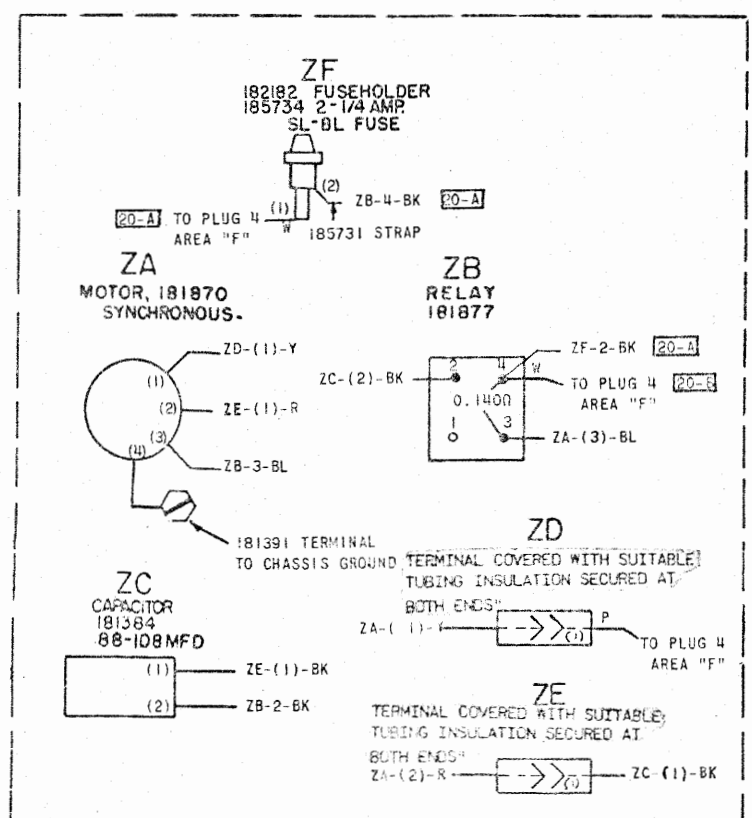


NOTE:
REVISION INFORMATION MUST ALSO BE REFLECTED ON THE ISSUE CONTROL RECORD, WHICH IS PART OF THIS W.D.

6354WD		
REVISIONS		
ISSUE	DATE	AUTH. NO.
18	6-29-66	90965
19	10-11-66	90771
20	5-29-67	94003
21	8-21-67	94003-ID
22	5-22-69	99243
23	10-1-69	93557
24	2-18-70	99947-4
25	3-4-70	99947-1
26	12-9-70	2145
27	1-14-72	5078
28	3-29-72	5078-1
29	11-21-73	8046



SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS W.D.



SHEET 3

ACTUAL WIRING DIAGRAM FOR MODEL 33 ASR, KSR, RO FOR DC SIGNAL LINE

APPROVALS	
D. AND'R H.J.K.	E OF M

E-NUMBER
PROD. NO. 6354WD

DATE 9-25-63
P.D. FILE NO. 2-30.152/153AA

DRAWN C.G.	CHKD.
ENGD. PR S.	APPD.

TELETYPE CORPORATION

6354WD

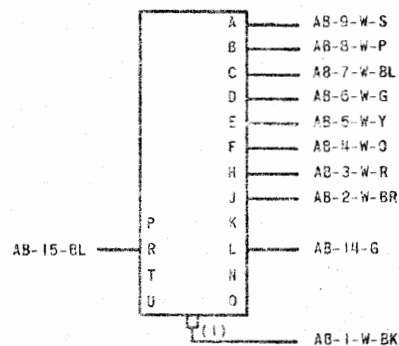
NOTE:
REVISION INFORMATION MUST ALSO
BE REFLECTED ON THE ISSUE
CONTROL RECORD, WHICH IS PART
OF THIS W.D.

6354WD

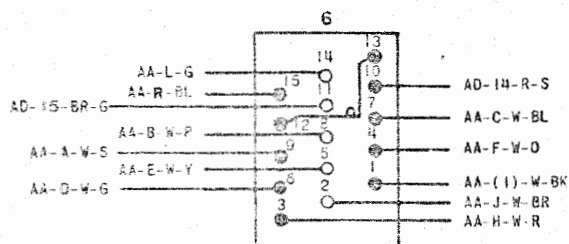
REVISIONS

ISSUE	DATE	AUTH. NO.
A 2	11-23-63	19205
B 3	RECORD ONLY	
C 4	3-16-64	81133
D 5	4-9-64	81640
6	11-27-64	84502
7	10-19-65	92181
8	1-27-69	95776
9	2-18-70	99947-4
10	12-9-70	2145

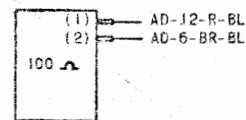
AA
READER CONTACT
BLOCK



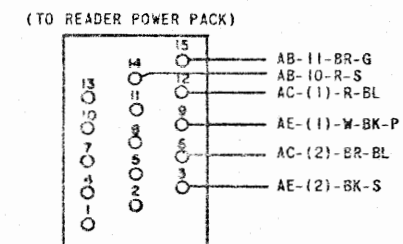
AB
CONNECTOR PLUG
(PRINTER)
182540



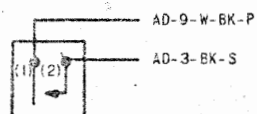
AC
READER FEED
MAGNET



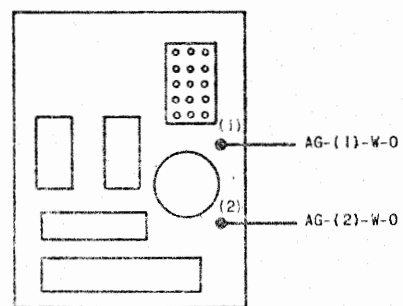
AD
CONNECTOR RECEPTACLE
182539



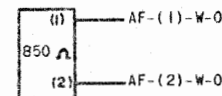
AE
READER FEED
CONTACT



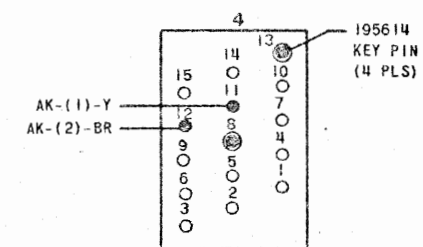
AF
BOARD ASSEMBLY
READER POWER PACK
183087



AG
RESISTOR, POWER
183081

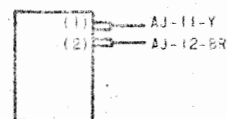


AJ
CONNECTOR PLUG
(PRINTER)
182540

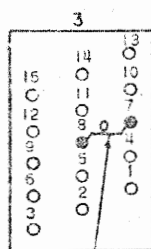


SEE ISSUE CONTROL RECORD FOR
COMPLETE LIST OF SHEETS
COMPRISING THIS W.D.

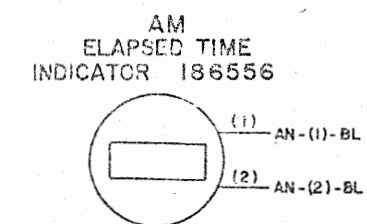
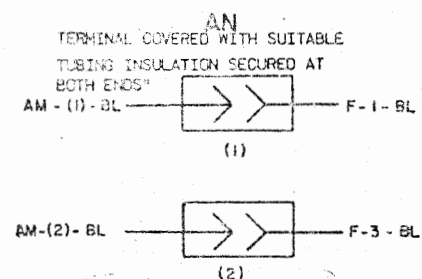
AK
READER TRIP
MAGNET
(SEE NOTE 23)



AL
CONNECTOR PLUG
(PRINTER)
182540



SEE NOTES 32 & 33



SHEET 4

ACTUAL
WIRING DIAGRAM
FOR
MODEL 33
ASR, KSR, RO
FOR
DC SIGNAL LINE

APPROVALS

D AND R
H.J.K.

E OF M

E-NUMBER

PROD. NO. 6354WD

DATE 9-25-63

P.D. FILE NO. 2-30.152/153AA

DRAWN C.G. CHKD.

ENGD. P.R.S. APPD.

TELETYPE
CORPORATION

6354WD

SEE SHEET 1 FOR NOTES

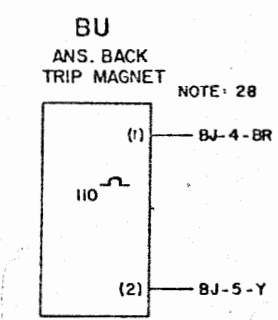
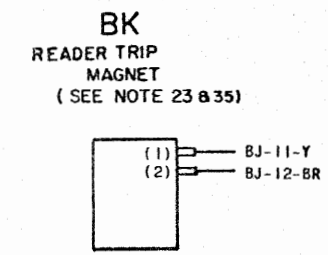
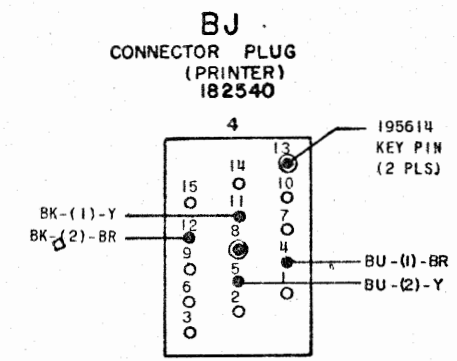
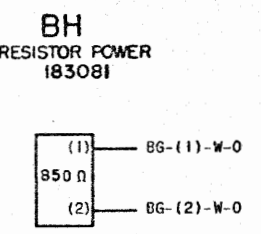
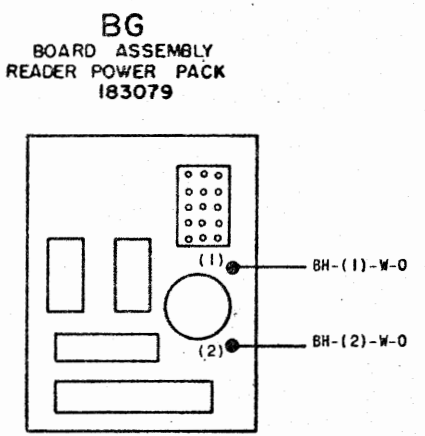
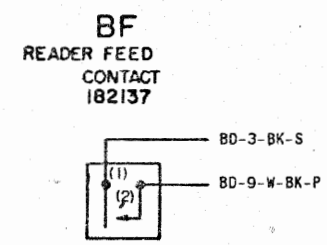
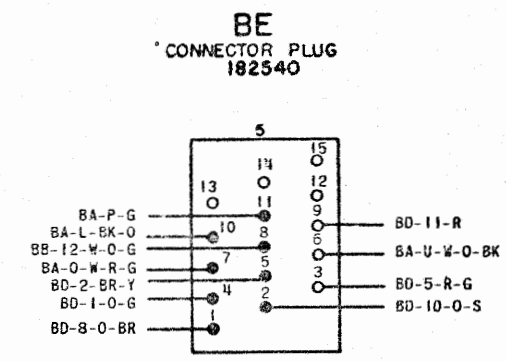
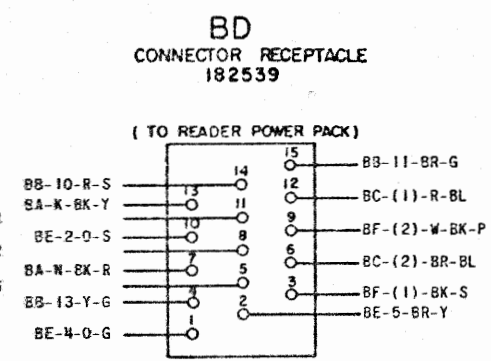
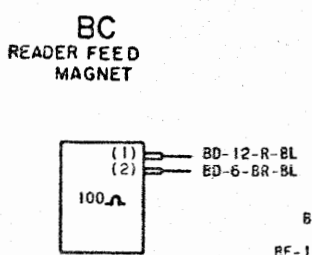
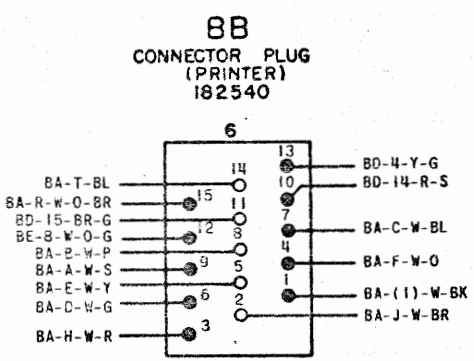
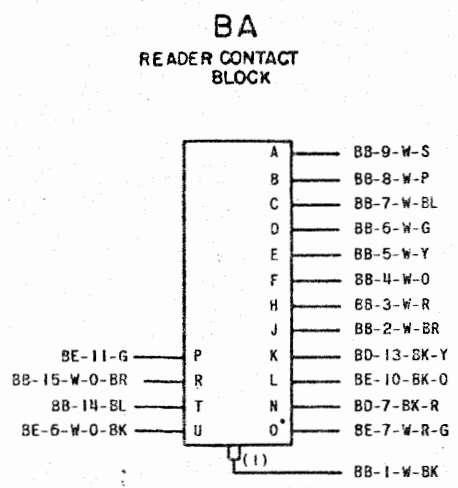
**AUTOMATIC READER
UX 801**

NOTE:
REVISION INFORMATION MUST ALSO
BE REFLECTED ON THE ISSUE
CONTROL RECORD, WHICH IS PART
OF THIS W.D.

6354WD

REVISIONS

ISSUE	DATE	AUTH. NO.
A 2	11-20-63	79286
B 3	RECORD ONLY	
C 4	3-16-64	81133
D 5	4-9-64	81640
6	11-27-64	84602
7	10-19-66	92181
8	4-11-68	95703
9	5-20-68	95781
10	1-23-69	96776
11	10-1-69	99557



SEE ISSUE CONTROL RECORD FOR
COMPLETE LIST OF SHEETS
COMPRISING THIS W.D.

SHEET 5

ACTUAL
WIRING DIAGRAM
FOR
MODEL 33
ASR, KSR, RO
DC SIGNAL LINE

APPROVALS

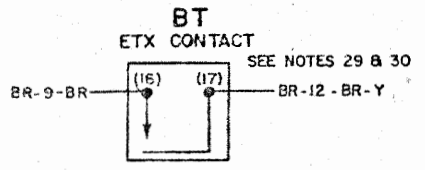
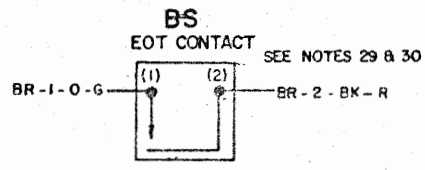
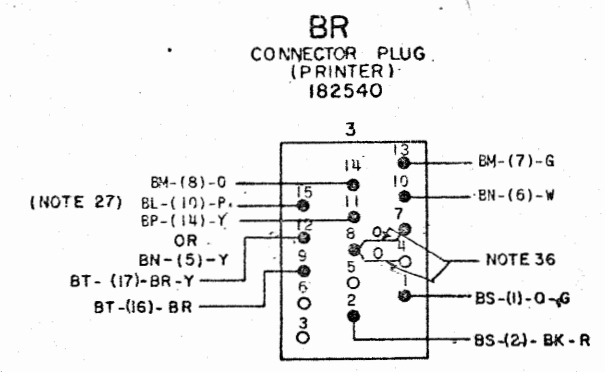
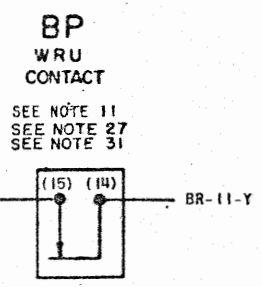
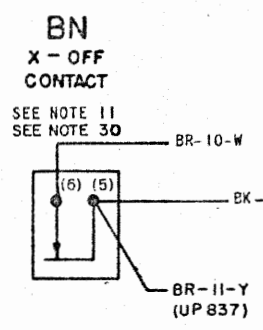
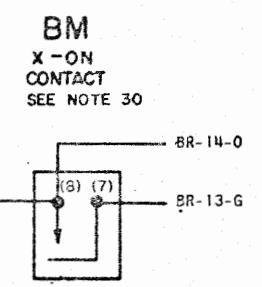
D AND R
H. J. K.

E OF W
[Signature]

E-NUMBER
PROD. NO. 6354WD
DATE 9-25-63
P.D. FILE NO. 2-30.152/153AA
DRAWN C.G. CHKD.
ENGD. P.R.S. APPD.

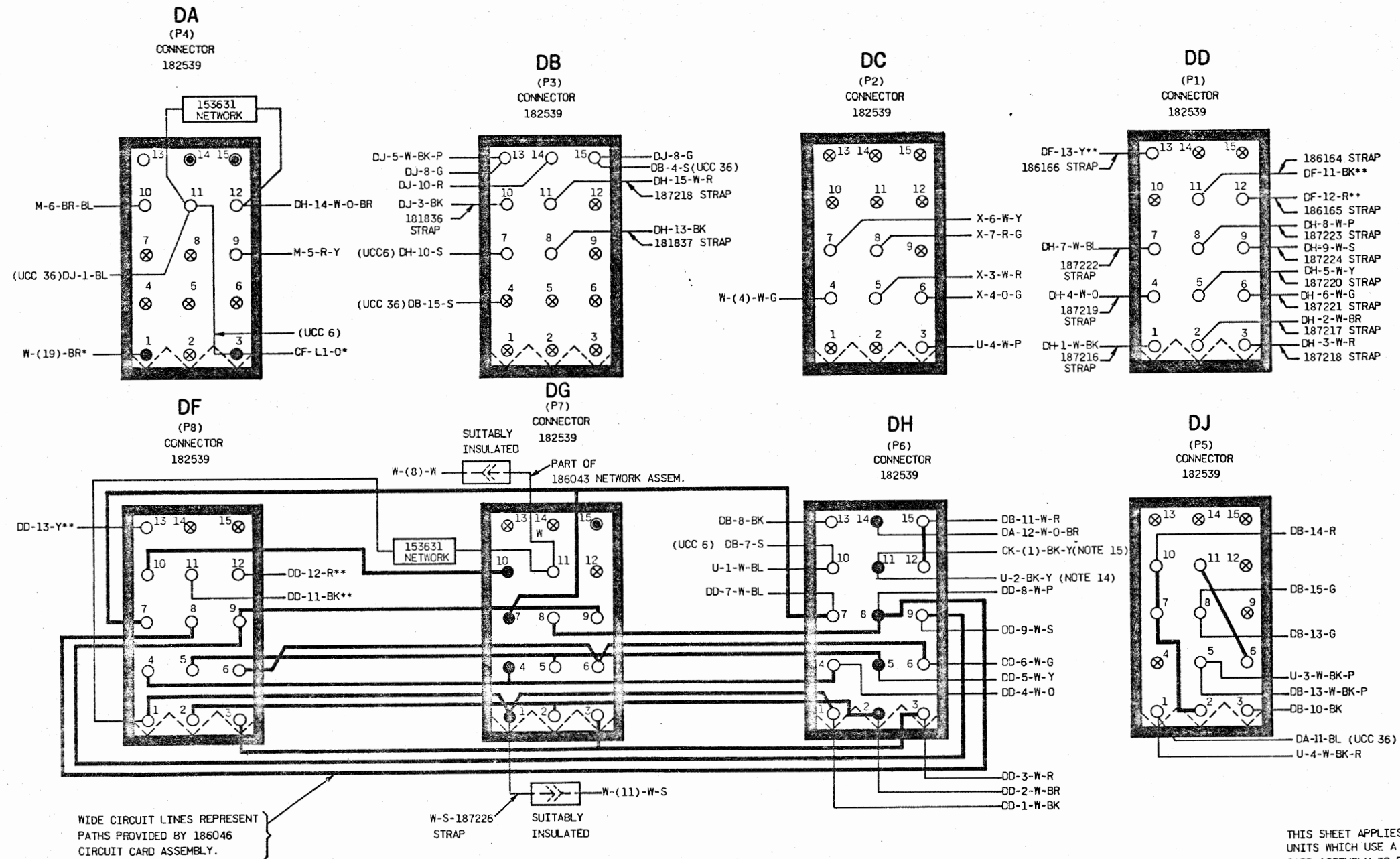
**TELETYPE
CORPORATION**

6354WD



REVISIONS		
ISSUE	DATE	AUTH. NO.
1	11-21-73	8046

UNITS WITH CIRCUIT BOARD WIRING



WIDE CIRCUIT LINES REPRESENT PATHS PROVIDED BY 186046 CIRCUIT CARD ASSEMBLY.

THIS SHEET APPLIES TO LATER VERSION UNITS WHICH USE A 186046 CIRCUIT CARD ASSEMBLY TO PROVIDE PART OF WIRING.

CONNECTOR	DESIGNATION	
	W/186046 CIRCUIT CARD	W/O 186046 CIRCUIT CARD
P1	DD	Y
P2	DC	S
P3	DB	T
P4	DA	CC
P5	DJ	CD
P6	DH	Z
P7	DG	CA
P8	DF	CB

SHEET 6

ACTUAL WIRING DIAGRAM FOR MODEL 33-ASR, KSR, FO FOR DC SIGNAL LINE

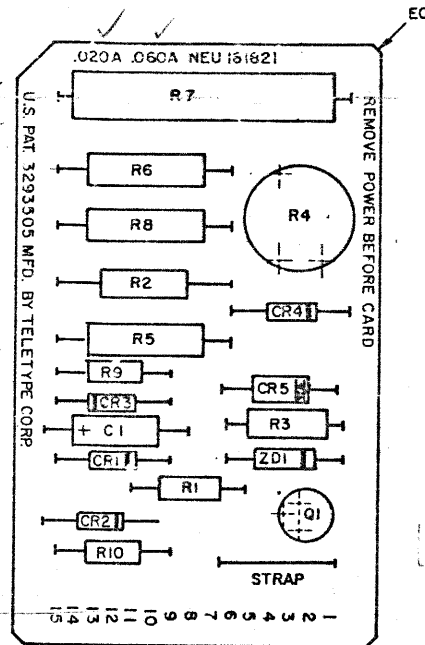
APPROVALS		
PROJ. SUPV.	PROJ. DIR.	MFG. REL. COMPL.
ENGR. ACQ.	DSG NR.	
DRN. DWJ.	DATE	
R & D FILE 2-30.152/153AA		
S-NUMBER 60773		



6354WD (6)

NO	NOTES
1	MASTER ARTWORK NO. 181821AW FOR PRINTING SCREEN IS AVAILABLE IN R&D OFFICE SERVICE SECTION.
2	RAISE R2, 5, 6, 7, 8 - 1/32 TO 1/16" ABOVE CIRCUIT CARD.
3	TO FACILITATE MANUFACTURE THE COMPONENT LAYOUT WAS CHANGED INCLUDING R4 AND CR5 WHICH WAS CHANGED FROM VERTICAL MOUNTING AND THE ADDITION OF 336470 OR RM-39550 STRAP.
4	CR1, CR2 - 182520 (IN3193) AND CR3, CR4 - 181619 (IN482) WERE REPLACED FOR STANDARDIZATION.

SEE NOTE 2



CIRCUIT DESCRIPTION

THE SELECTOR MAGNET DRIVER CIRCUIT IS POWERED FROM A SOURCE OF 117 VOLT ALTERNATING CURRENT THROUGH A STEP DOWN ISOLATION TRANSFORMER. DIODES CR1 AND CR2 PROVIDE FULL WAVE RECTIFICATION OF THE REDUCED VOLTAGE TO -20 VOLTS DC AT TERMINAL 15. THE CIRCUIT COMMON IS CONNECTED TO TERMINAL 2 AND A POWER SUPPLY FILTER CAPACITOR IS CONNECTED BETWEEN TERMINALS 2 AND 15.

THE DIRECT CURRENT SIGNAL LINE CIRCUIT IS CONNECTED THROUGH TERMINALS 14 OR 8 AND 2 DEPENDING ON LINE CURRENT. TERMINAL 7 STRAPPED EXTERNALLY TO TERMINAL 14 OR 8, DEPENDING ON LINE CURRENT.

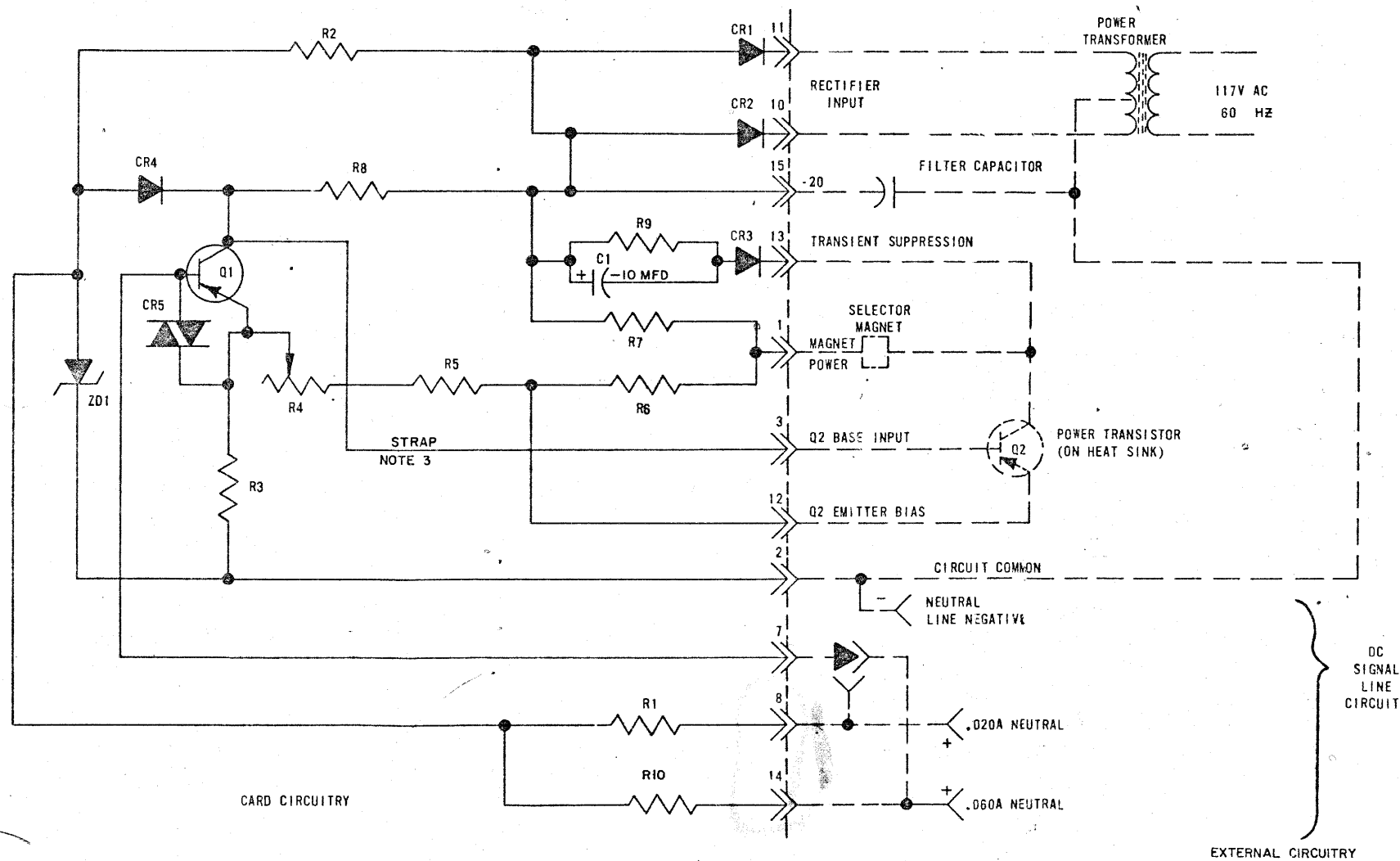
IN THE MARKING CONDITION, Q1 IS OFF-BIASED. WITH Q1 OFF, THE BASE OF Q2 WILL BE CLAMPED AT THE ZENER REFERENCE VOLTAGE BY DIODE CR4. THIS VOLTAGE CLAMP IS THEN TRANSLATED TO CURRENT REGULATION BY THE TRANSISTOR ACTION OF Q2. THE REGULATED MAGNET CURRENT IS ADJUSTED TO 500 AMPERES BY RHEOSTAT R4.

WITH THE SIGNAL LINE IN THE OPEN OR SPACING CONDITION, Q1 IS TURNED ON BY BASE CURRENT SUPPLIED THROUGH RESISTOR R1 OR R2. THE POTENTIAL AT THE COLLECTOR OF Q1 WILL BE NEAR ZERO OFF-BIASING Q2. WITH Q2 OFF, NO SELECTOR MAGNET CURRENT FLOWS, ALLOWING THE MAGNET TO RELEASE DURING THE TURN OFF OF Q2. THE INDUCTIVE TRANSIENT DEVELOPED AT THE COLLECTOR IS SUPPRESSED BY THE NETWORK CONSISTING OF CR3, R9 AND C1.

SNAP-ACTION IS SUPPLIED TO THE CIRCUIT TRANSITIONS BY FEEDBACK IN THE EMITTER CIRCUIT OF TRANSISTOR Q1.

UL RECOGNITION SYMBOL REQUIRED PER MR 2001.

CONSTANT CURRENT .500 AMP SELECTOR MAGNET DRIVER



CIRCUIT BOARD EC

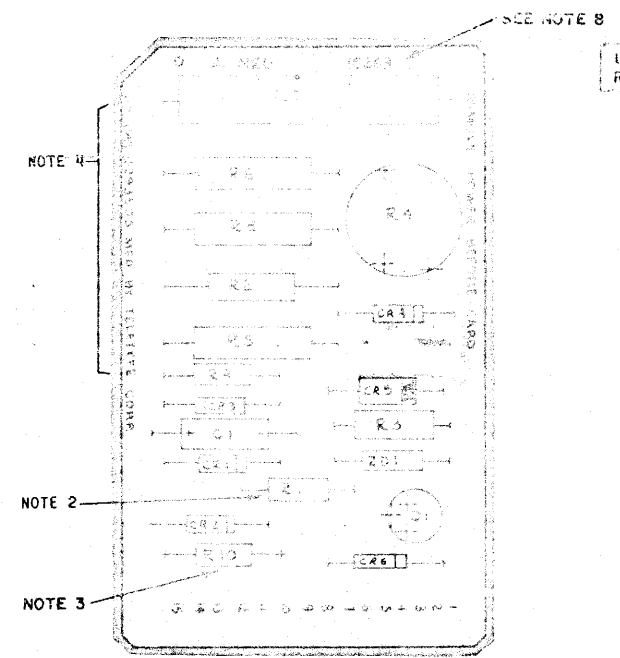
REF. DESIG.	TELETYPE PART NO.	TOTAL QTY.	NAME AND DESCRIPTION	LOCATING FUNCTION
R1	182779	1	RESISTOR 420 OHMS 1/2W	Q10 AMP SWITCHING
R10	182707	1	RESISTOR 135 OHMS 1/2W	Q30 AMP SWITCHING
R2	181669	1	RESISTOR 330 OHMS 2.5W	ZENER CURRENT LIMITING
R3	182778	1	RESISTOR 0.82 OHMS 1/2W	COMMON EMITTER BIAS
R4	182773	1	RHEOSTAT 3 OHMS 2.5W	OUTPUT CURRENT ADJUST
R5	181717	1	RESISTOR 8 OHMS 5W	Q2 EMITTER BIAS
R6	182770	1	RESISTOR 270 OHMS 4W	Q2 EMITTER BIAS
R7	182772	1	RESISTOR 14 OHMS 10W	Q2 COLLECTOR LOAD
R8	182827	1	RESISTOR 390 OHMS 4W	Q1 COLLECTOR LOAD
R9	182776	1	RESISTOR 150 OHMS 1/2W	Q2 COLLECTOR - TRANSIENT LIMITING
CR1	171541	2	DIODE (NOTE 4)	POWER RECTIFIER
CR2			SAME AS CR1	POWER RECTIFIER
CR3	197464	2	DIODE (NOTE 4)	COLLECTOR TRANSIENT LIMITING
CR4			SAME AS CR3	VOLTAGE CLAMPING
CR5	178844	1	VARIATOR 100A	INPUT PROTECTION
ZD1	182774	1	DIODE, ZENER 4.7V 5.1W	REFERENCE
C1	182628	1	CAPACITOR 10 MFD 25V VDC	COLLECTOR TRANSIENT LIMITING
Q1	181671	1	TRANSISTOR, HIGH GAIN	INPUT SWITCH
RM 39550		1	STRAP	NOTE 3
EC	181823	1	CIRCUIT BOARD, ETCHED	

181821		
REVISIONS		
ISSUE	DATE	AUTH. NO.
2	4-19-65	86501
3	9-19-66	96816
4	11-25-66	88816-1
5	5-5-67	93502
6	4-2-68	95450
7	7-5-68	95948
8	11-6-68	96521
9	12-20-68	98266
10	3-3-71	320
11	3-29-72	235
12	3-29-72	236-1

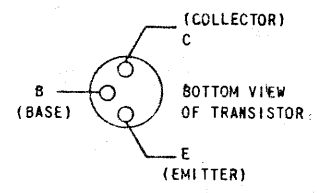
NO.	DATE	ISSUE	ASSOCIATED	VERSION	IDENTIFICATION
10728		13	4	8	2
11701		14	4	8	2

APPROVALS	
R AND D	E OF M
H.J.K.	
E-NUMBER	
PROD NO 181821	
DATE 7-20-63	
DATE 4-28-67	
R&D FILE 2-30152/153AA	
DRAWN JER-CG	CHKD. N.A.J.
ENG. AS-PRS	APPD. J.W.
TELETYPE CORPORATION	
181821	

- NO. NOTES
1. MASTER DRAWING NO. IS 182630A, 182631A, 182632A. PRINTING SCREENS ARE AVAILABLE FROM THE OFFICE SERVICE SECTION.
 2. THE SELECTION OF THIS RESISTOR DEPENDS ON THE APPLICATION IN WHICH THE DRIVER IS TO BE USED.
 3. R10 IS USED ON 182630 ASSEMBLY ONLY.
 4. RAISE R2, 5, 6, 7, 8 1/32 TO 1/16 ABOVE CIRCUIT CARD.
 5. THE 336470 STRAP IS USED ON THE 182631 AND 182632 ASSEMBLIES
 6. SEE 5983WD FOR APPROPRIATE POWER INPUT.
 7. DIODE CR6 WAS ADDED TO PROTECT Q1 FROM DESTRUCTION BY ACCIDENTAL GROUNDING OF THE COLLECTOR OF Q2. 181653 DIODE WAS USED FIRST BUT CHANGED TO 199442 TO REDUCE "LEAKAGE" CURRENT DURING SPACING PULSES.
 8. 020 A NEU 182630
.060 A NEU 182631
040A NEU 182632
 9. TO FACILITATE MANUFACTURE THE COMPONENT LAYOUT WAS CHANGED INCLUDING R-1 AND CR-5 WHICH WAS CHANGED FROM VERTICAL MOUNTING.
 10. CR1, CR2-182520 (IN3193) AND CR3, CR4-181619 (IN482) WERE REPLACED FOR STANDARDIZATION



UL RECOGNITION SYMBOL
REQUIRED PER MR 2001.



CIRCUIT CARD ASSEMBLY

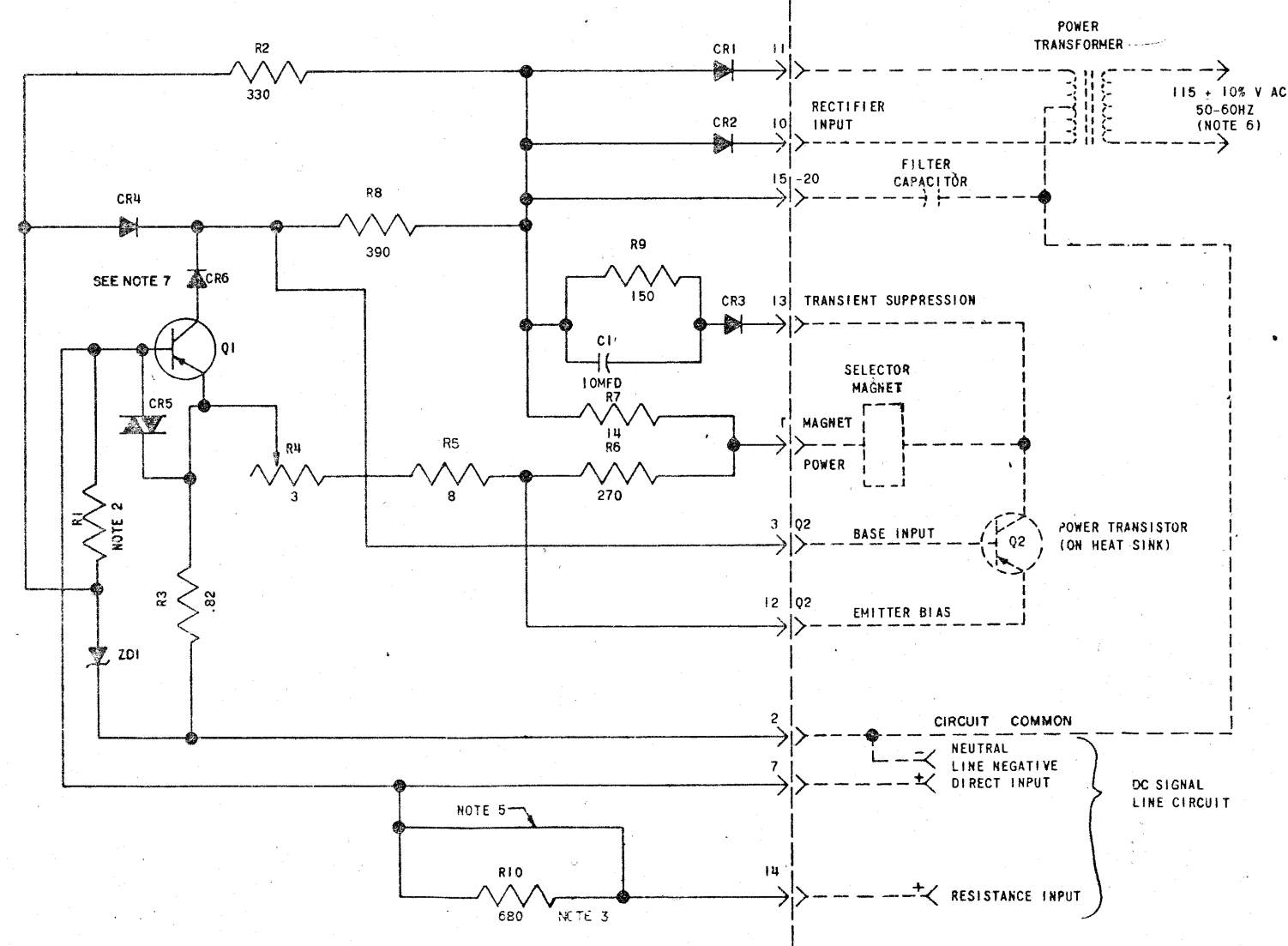
REF. DESIG.	TELETYPE PART NO.	TOTAL QTY	NAME & DESIGNATION	LOCATING FUNCTION	USED ON	FOR
R1	182779	1	RESISTOR 420 OHMS 1/2W	.010 AMP. SWITCHING	182630	.020A NEUTRAL LINE
"	182797	1	RESISTOR 135 OHMS 1/2W	.030 AMP. SWITCHING	182631	.060A " "
"	182180	1	RESISTOR 200 OHMS 1/2W	.020 AMP. SWITCHING	182632	.040A " "
R10	182777	1	RESISTOR 680 OHMS 1/2W	INPUT CURRENT LIMITING	182630	DATA SET OPERATION
R10	336470	1	STRAP	.030 AMP. SWITCHING	182631	.060A NEUTRAL LINE
R10	336470	1	STRAP	.020 AMP. SWITCHING	182632	.040A " "
R2	181669	1	RESISTOR 330 OHMS 2 1/2W	ZENER CURRENT LIMITING		
R3	182778	1	RESISTOR 0.82 OHM 1/2W	COMMON EMITTER BIAS		
R4	182773	1	RHEOSTAT 3 OHMS 2 1/2W	OUTPUT CURRENT ADJUST		
R5	181717	1	RESISTOR 8 OHMS 5W	Q2 EMITTER BIAS		
R6	182770	1	RESISTOR 270 OHMS 4W	Q2 EMITTER BIAS		
R7	182772	1	RESISTOR 14 OHMS 10W	Q2 COLLECTOR LOAD		
R8	182627	1	RESISTOR 390 OHMS 4W	Q1 COLLECTOR LOAD		
R9	182776	1	RESISTOR 150 OHMS 1/2W	Q2 COLLECTOR LOAD		
CR1	171541	2	DIODE (NOTE 10)	POWER RECTIFIER		
CR2			SAME AS CR1	POWER RECTIFIER		
CR3	197464	2	DIODE (NOTE 10)	COLLECTOR TRANSIENT LIMITING		
CR4			SAME AS CR3	VOLTAGE CLAMPING		
CR5	178844	1	VARIATOR 100A	INPUT PROTECTION		
CR6	199442	1	DIODE, 1N270	SEE NOTE 7		
ZD1	182774	1	DIODE, ZENER 4.7V 5% 1W	REFERENCE		
C1	182628	1	CAPACITOR, 10 MFD, 25WVDC	COLLECTOR TRANSIENT LIMITING		
Q1	181671	1	TRANSISTOR, HIGH GAIN	INPUT SWITCH		
EC	182775	1	CIRCUIT BOARD, ETCHED			

182630-35

REVISIONS

ISSUE	DATE	AUTH. NO.
2	8-2-62	30-1259
3	11-27-62	30-5388
4	12-17-62	30-5445
5	1-23-63	30-5580
6	3-20-64	81340
7	5-21-64	81761
8	4-26-65	86507
9	6-10-65	86507-2
10	9-19-66	88816
11	10-25-66	88816-1
12	12-14-66	92190
13	2-7-67	93101
14	5-3-67	93502
15	6-20-68	19358-R
16	7-9-68	95948
17	12-20-68	98266
18	8-10-70	215
19	3-3-71	2320
20	2-9-77	216-7

CONSTANT CURRENT .500 SELECTOR MAGNET DRIVER



CIRCUIT DESCRIPTION

THE SELECTOR MAGNET DRIVER CIRCUIT IS POWERED FROM A SOURCE OF 117 VOLT ALTERNATING CURRENT THROUGH A STEP DOWN ISOLATION TRANSFORMER. DIODES CR1 AND CR2 PROVIDE FULL WAVE RECTIFICATION OF THE REDUCED VOLTAGE TO -20 VOLTS DC AT TERMINAL 15. THE CIRCUIT COMMON IS CONNECTED TO TERMINAL 2 AND A POWER SUPPLY FILTER CAPACITOR IS CONNECTED BETWEEN TERMINALS 2 AND 15.

THE DIRECT CURRENT SIGNAL LINE CIRCUIT IS CONNECTED THROUGH TERMINALS 7 AND 2. WITH AN ALTERNATE CONNECTION THROUGH R10 AT TERMINAL 14 PROVIDING A CURRENT LIMITING FUNCTION.

IN THE MARKING CONDITION, Q1 IS OFF-BIASED. WITH Q1 OFF, THE BASE OF Q2 WILL BE CLAMPED AT THE ZENER REFERENCE VOLTAGE BY DIODE CR4. THIS VOLTAGE CLAMP IS THEN TRANSLATED TO CURRENT REGULATION BY THE TRANSISTOR ACTION OF Q2. THE REGULATED MAGNET CURRENT IS ADJUSTED TO .500 AMPERES BY RHEOSTAT R4.

WITH THE SIGNAL LINE IN THE OPEN OR SPACING CONDITION, Q1 IS TURNED ON BY BASE CURRENT SUPPLIED THROUGH RESISTOR R1. THE POTENTIAL AT THE COLLECTOR OF Q1 WILL BE NEAR ZERO. OFF-BIASING Q2. WITH Q2 OFF, NO SELECTOR MAGNET CURRENT FLOWS, ALLOWING THE MAGNET TO RELEASE. DURING THE TURN OFF OF Q2 THE INDUCTIVE TRANSIENT DEVELOPED AT THE COLLECTOR IS SUPPRESSED BY THE NETWORK CONSISTING OF CR3, R9, AND C1.

"SNAP-ACTION" IS SUPPLIED TO THE CIRCUIT TRANSITIONS BY FEEDBACK IN THE EMITTER CIRCUITS OF TRANSISTORS Q1 AND Q2.

REVISIONS

CUSTOMER IDENTIFICATION	ISSUE	VERSION	ASSOCIATED NOTE	DRAWING ISSUE	CONFORMANCE DATE	AUTH. NO.
20	B	10		21		10728

APPROVALS

D AND R HJK	E OF M
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E-NUMBER
PROD. NO. 182630-35

DATE 6-2-62

P.D. FILE NO. 30-158AAA

DRAWN E.R. REG CHKD.
ENGD. R.J.M. APPD.

TELETYPE CORPORATION

182630-35

REF. DESIG.	PART NO. REQ.	QTY	DESCRIPTION	FUNCTION	NO.	NOTES
R1	183083	1	RESISTOR, 22 OHM	SURGE LIMITER	1.	MASTER ARTWORK NO.: 183079AH FOR PRINTED SCREENING AVAILABLE IN R & D OFFICE SERVICE SECTION.
R2	183082	1	RESISTOR, 12,000 OHM	ARC SUPPRESSOR		
R3	118198	1	RESISTOR, 56,000 OHM	BLEEDER		
R4	118180	1	RESISTOR, 10,000 OHM	ARC SUPPRESSOR		
R5	144464	1	RESISTOR, 220 OHM (NOTE 4)	VOLTAGE DROPPING		
C1	183078	1	CAPACITOR, DUAL SECTION A - 200 MFD, 200V DC B - 9 MFD, 200V DC	POWER SUPPLY FILTER SURGE SOURCE	2.	SOME PREVIOUS CIRCUIT CARD ASSEM. USED 1/2 AFB. 3/4 AFB. IS PREFERABLE.
C2	183084	1	CAPACITOR, .22 MFD	ARC SUPPRESSOR	3.	COMPONENT LAYOUT WAS CHANGED TO ALLOW FOR NEW STYLE CAPACITOR WITH VENT.
C3	183121	1	CAPACITOR, 15 MFD	FILTER		
CR1	312341	6	DIODE, 400V (NOTE 5)	POWER SUPPLY RECTIFIER		
CR2			SAME AS CR1	POWER SUPPLY RECTIFIER	4.	R5 CHANGED FROM 470 OHM 2W, TO 220 OHM, 1 WATT ON ASSEM. LATER THAN ISSUE 12. CARD ASSEM. ISSUE 13 AND HIGHER ARE SUITABLE FOR ALL APPLICATIONS. CARD ASSEM. LOWER THAN ISSUE 13 PROVIDE LESS OPERATING MARGIN WHEN USED IN MODEL 38 SETS OR IN MODEL 33 SETS WITH INTEGRAL DATA SETS.
CR3			SAME AS CR1	POWER SUPPLY RECTIFIER		
CR4			SAME AS CR1	POWER SUPPLY RECTIFIER		
CR5			SAME AS CR1	ARC SUPPRESSOR		
CR6			SAME AS CR1	RECTIFIER		
F1	143630	1	FUSE, 3/4 A.F.B.	POWER SUPPLY PROTECTION (SEE NOTE 2)		
FC	171595	2	FUSE CLIP		5.	FOR STANDARDIZATION CR1-6 WERE CHANGED FROM 181654.
T1	183085	2	TERMINAL WITH WIRE LEAD			
T2			SAME AS T1			
J1	182540	1	CONTACT BLOCK, 15 POINT			
E	182641	15	TERMINAL, MALE P.C.			
EC	183137	1	ETCHED CIRCUIT BOARD			
RYL.1	183088	1	RELAY, 2, 100 OHM	AUTOMATIC READER CONTROL		
	151637	2	SCREW, 4-40 FIL. HEAD			
	110743	2	LOCKWASHER, 4-40			
	151860	2	NUT			

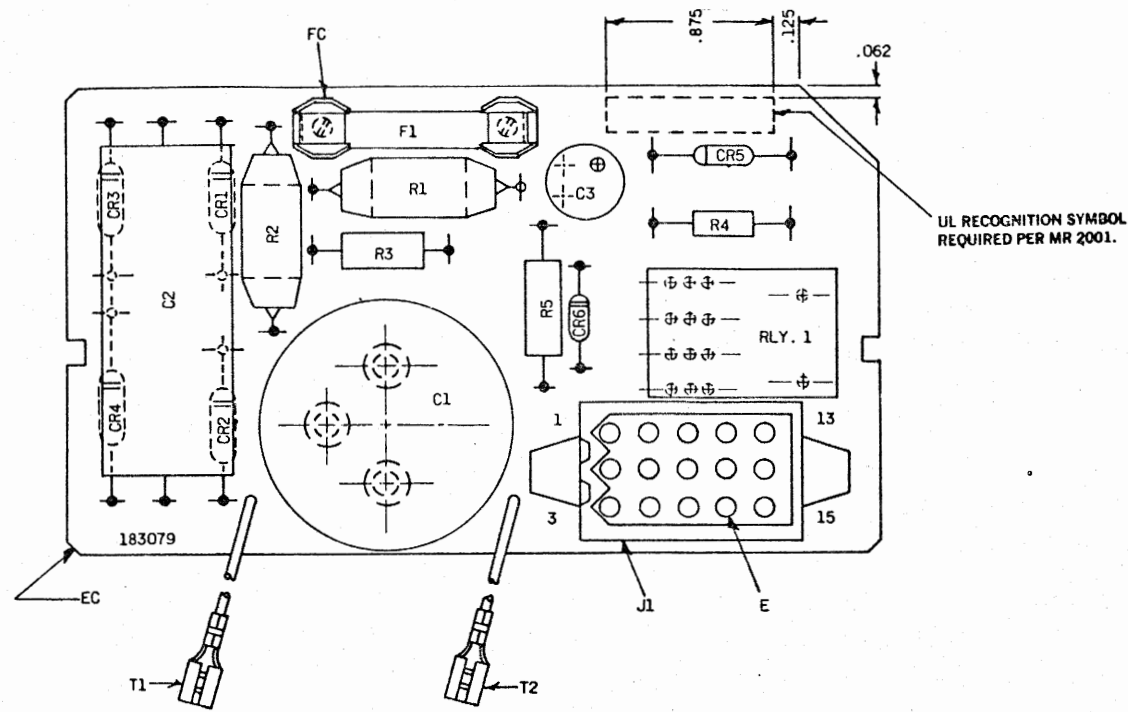
CIRCUIT DESCRIPTION

THIS POWER PACK CONSISTS OF A 150 VOLT POWER SUPPLY OPERATING DIRECTLY FROM THE 117V AC LINE, A WAVE SHAPING NETWORK, AND AN ARC SUPPRESSOR. IT IS DESIGNED TO OPERATE WITH AN INDUCTIVE LOAD OF APPROXIMATELY 100 OHMS BETWEEN TERMINALS 6 AND 12. WITH A 850 OHM, 40 WATT RESISTOR CONNECTED BETWEEN T1 AND T2.

TO FEED SWITCH IS CONNECTED BETWEEN TERMINALS 9 AND 3. THE UNIT IS DESIGNED TO DRIVE THE READER MAGNET IN THE MODEL 33 ASR SET.

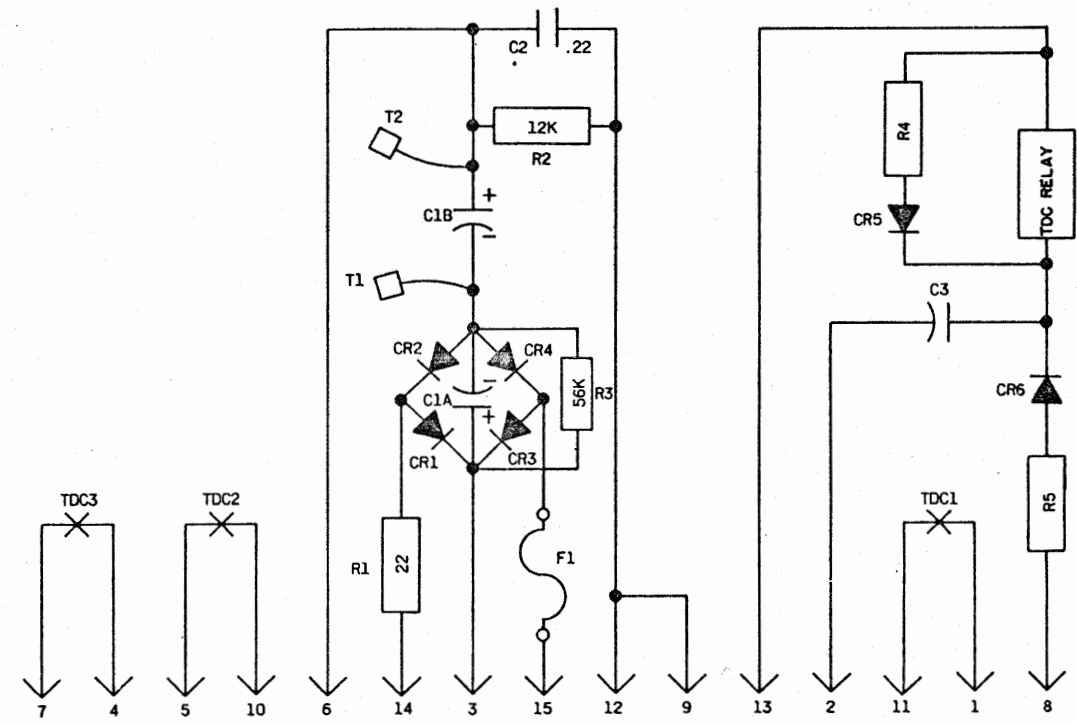
TDC RELAY CONTACTS ARE USED FOR AUTOMATIC READER CONTROL. 48V AC INPUT IS RECTIFIED THRU R5 AND CR6 BEFORE REACHING TDC RELAY. CAPACITOR C3 FILTERS TO GROUND THRU COMMON POINT OF TDC1.

SIMILAR TO:



UL RECOGNITION SYMBOL REQUIRED PER MR 2001.

POWER PACK ASSEMBLY W/RELAY

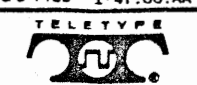


REVISIONS		
ISSUE	DATE	AUTH. NO.
13	1-13-72	4350

REVISIONS					
CUSTOMER IDENTIFICATION	MFG. VERSION	ASSOCIATED NOTE	DRAWING ISSUE	COMFORMANCE DATE	AUTH. NO.
13	8	5	14		12174

CIRCUIT CARD
EC 183079
POWER PACK ASSEMBLY
W/RELAY

APPROVALS		
PROJ. SUPV.	PROJ. DIR.	MFG. REL. COMPL.
		()
ENGR. T. Y.	DSGMR.	
DRN. F. R.	DATE 8-4-72	
E-NUMBER		
SD-CD NO.		
R & D FILE	1-47.60.AA	



183079

CIRCUIT CARD ASSEMBLY

POWER PACK ASSEMBLY

NO B/M

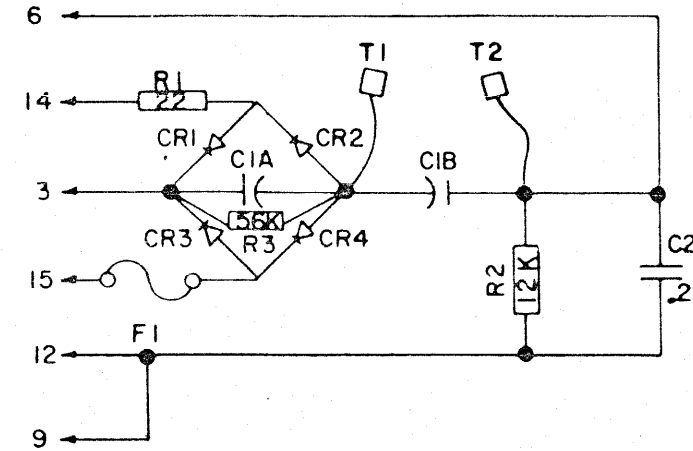
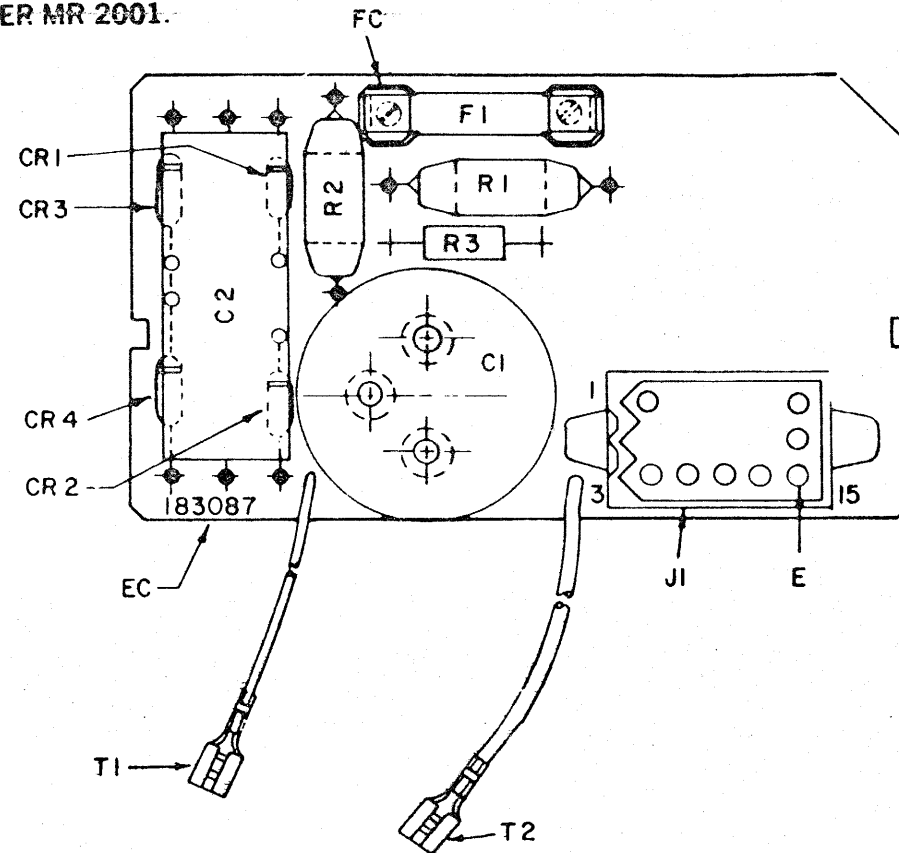
183087

ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED

UL RECOGNITION SYMBOL REQUIRED PER MR 2001.

PARTS REQ	NO REQ	USED ON	NO REQ
SEE BELOW		182134	

NO	NOTES
1	MASTER ARTWORK 183087AW FOR PRINTED SCREENING AVAILABLE IN R&D OFFICE SERVICE SECTION.
2	SOME PREVIOUS CIRCUIT CARD ASSEMBLY USED 1/2 AFB 3/4 AFB IS PREFERABLE.
3	ON ISSUE 10, BOARD NUMBER WAS 183080.
4	FOR STANDARDIZATION CR1-4 WERE CHANGED FROM 181-654.



REVISIONS		
ISSUE NO	DATE	AUTHOR NO
2	8-20-62	30-1276
3	9-26-62	30-13151
4	2-20-63	30-5537
5	6-26-63	76290
6	9-19-65	88816
7	11-25-65	88816-1
8	8-22-68	95993
9	9-17-69	99187
40	2-10-70	99187-2
11	3-3-71	2320
2	-20-72	564-2
13	12-18-72	6803

CUSTOMER I.D. ISSUE	MFG. VERSION	ASSOCIATED NOTE	DRAWING ISSUE	CONFORMANCE DATE	AUTH. NO.
13	B	4	14		12174

DESIG-NATION	TELETYPE PART NO	TOTAL QTY	DESCRIPTION	FUNCTION
R1	183083	1	RESISTOR, 22 OHM	SURGE LIMITER
R2	183082	1	RESISTOR, 12,000 OHM	ARC SUPPRESSOR
C1	183078	1	CAPACITOR, DUAL SELECTION A - 200 M.F.D. 200 V.D.C B - 9 M.F.D. 200 V.D.C.	POWER SUPPLY FILTER SURGE SOURCE
C2	183084	1	CAPACITOR, .22 M.F.D.	ARC SUPPRESSOR
CR1	312341	4	DIODE, 400 V. (NOTE 4)	POWER SUPPLY RECTIFIER
CR2			" "	" " "
CR3			" "	" " "
CR4			" "	" " "
F1	143630	1	FUSE, 3/4 A. FB.	POWER SUPPLY PROTECTION SEE NOTE 2.
FC	171595	2	FUSE CLIP	
T1	183085	2	TERMINAL WITH WIRE LEAD	
T2			" " " "	
J1	182540	1	CONTACT BLOCK, 15 POINT	
E	182641	8	TERMINALS MALE P.C.	
EC	183137	1	ETCHED CIRCUIT BOARD	NOTE 3
	151637	2	SCREW 4-40 FIL HEAD	
	110743	2	LOCK WASHER # 4	
	151880	2	NUT	
R3	118198	1	RESISTOR, 56,000 OHM	BLEEDER

THIS POWER PACK CONSISTS OF A 150 VOLT POWER SUPPLY OPERATING DIRECTLY FROM THE 117 VAC LINE. A WAVE SHAPING NETWORK AND AN ARC SUPPRESSOR. IT IS DESIGNED TO OPERATE WITH AN INDUCTIVE LOAD OF APPROXIMATELY 100 OHMS BETWEEN TERMINALS 6 AND 12. WITH A 850 OHM 40WATT RESISTOR CONNECTED BETWEEN T1 AND T2.

AN ON-OFF CONTROL SWITCH IS CONNECTED BETWEEN TERMINALS 9 AND 3. THE UNIT IS DESIGNED TO DRIVE THE READER MAGNET IN THE MODEL 32 AND 33 ASR.

WDP

APPROVALS	
D AND R	E OF M
<i>[Signature]</i>	
E. NUMBER	
PROC NO 183087	

SCALE: 1/1

STOCK SPECIFICATION

DRAWN	P.D. FILE NO	DATE
T.R.	1-47.60AA	6-7-62
DESIGNED	ENGINEER	CHECKED
	J.A.J.	AAH
	APPROVED	<i>[Signature]</i>

SIZE	KIND	SHAPE	TEMPER

TELETYPE CORPORATION
183087