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It should be noted that most of the pages are identifiable as having been processed by me.

I put a lot of time into producing these files which is why you are met with this page when you open the file.

In order to generate this file, I need to scan the pages, split the double pages and remove any edge marks such as punch holes, clean up the pages, set the relevant pages to be all the same size and alignment. I then run Omnipage (OCR) to generate the searchable text and then generate the pdf file.

Hopefully after all that, I end up with a presentable file. If you find missing pages, pages in the wrong order, anything else wrong with the file or simply want to make a comment, please drop me a line (see above).

It is my hope that you find the file of use to you personally – I know that I would have liked to have found some of these files years ago – they would have saved me a lot of time !

Colin Hinson

In the village of Blunham, Bedfordshire.

SYNCHRONOUS MOTOR UNITS

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

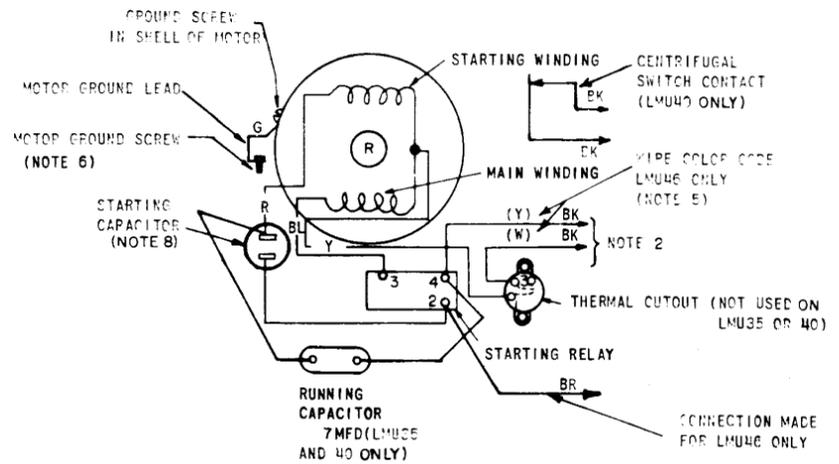
2900WD

REVISIONS

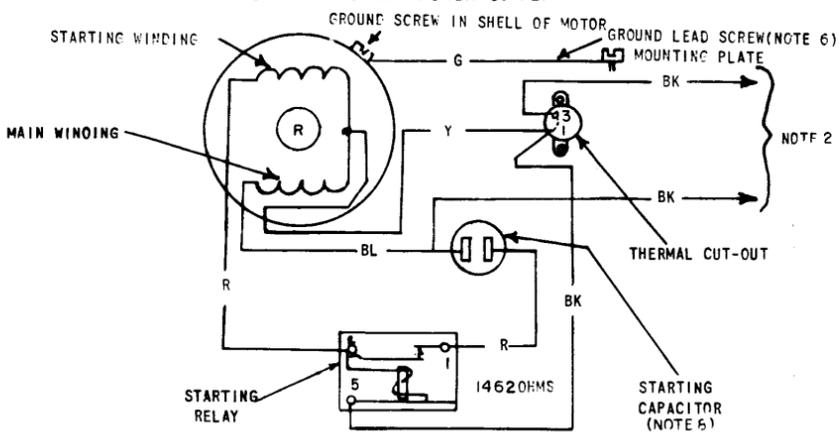
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M	5-17-60	28-13280
N	5-27-60	28-13361
P	7-6-60	28-13494
Q	9-13-60	28-13899
R	12-14-60	28-14400
S	6-23-61	70255
T	8-2-61	70559
U	10-12-61	71471
V	11-30-61	71805
W	6-24-62	74285
X	9-20-62	74557
Y	11-20-62	75216
Z	4-15-63	76598
AA	4-15-63	76532
AB	5-16-63	76985
AC	5-28-63	76149
AD	8-22-63	77845
AE	1-13-64	79966
AF	1-24-64	79730-1
32	4-13-64	79730-2
33	5-22-64	82008
34	11-4-64	84364
35	3-4-65	82432
36	4-10-65	82432-1
37	9-22-65	82432-3
38	11-8-65	82432-4
39	11-10-65	87664
40	2-22-66	90356
41	4-5-66	90628
42	9-21-66	91790
43	2-27-68	95441

- NO. NOTES
1. SYNCHRONOUS MOTOR OPERATES ON REGULATED FREQUENCY (+0.75%) MAXIMUM AC ONLY.
 2. CONNECT EITHER WIRE TO DESIGNATED TERMINALS OF UNIT TERMINAL BLOCK, PER WIRING DIAGRAM OF ASSOCIATED UNIT
 3. MOTOR LEADS OF SAME COLOR ARE INTERCHANGEABLE.
 5. EXTERNAL NOISE SUPPRESSION NETWORK CONSISTING OF 100 OHM, 1/2 WATT RESISTOR IN SERIES WITH 0.25 MFD 1K V CAPACITOR CONNECTED ACROSS YELLOW AND BROWN WIRES. (FOR LMU45,46)
 6. MOTOR GROUND LEAD (GREEN) TERMINAL MUST BE FASTENED TO MOUNTING CRADLE OF MOTOR UNDER A SEPARATE GROUND SCREW ONLY. A SCREW USED FOR ANOTHER PURPOSE CANNOT BE USED FOR GROUNDING (UNDERWRITERS LABORATORIES REQUIREMENT).
 7. WIRE COLOR CODE:
 BK - BLACK R - RED
 BL - BLUE O - ORANGE
 BR - BROWN Y - YELLOW
 P - PURPLE S - SLATE
 W - WHITE G - GREEN
 8.

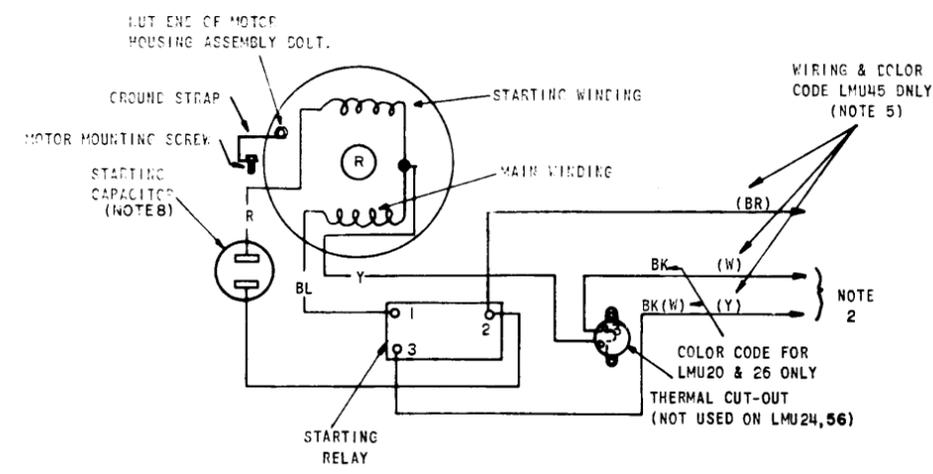
LMU	STARTING CAPACITOR VALUE
3,15,21,30,33,36,37,38,42,46,49,51,52	43-48 MFD
11,12	170-226 MFD
35,40	64-77 MFD
55	15-18 MFD
19,20,24,26,31,45,56	88-108 MFD
50,	161-193 MFD



LMU 3,11,12,15,21,30,37,42,46,49
 FOR USE WITH 115V.A.C. 60~POWER SUPPLY
LMU 33,35,36,38,40,51,52
 FOR 115V.A.C. 50~POWER SUPPLY.
LMU 55
 FOR 230 V.A.C. 50~POWER SUPPLY



LMU 50,
 FOR USE WITH 115V AC 50~POWER SUPPLY ONLY



LMU 19,20,24,26,31,45,56
 FOR USE WITH 115V AC 60~POWER SUPPLY ONLY

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

SHEET 1

ACTUAL WIRING DIAGRAM FOR MODEL 28 & 35 MOTOR UNITS

APPROVALS

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

E-NUMBER

PROD. NO. 2900WD

DATE 1-28-55

R.D. FILE NO. 1-30.65.156A

DRAWN E.R. CHKD. REF

ENGD. B.M.B. APPD.

TELETYPE CORPORATION

2900WD

SERIES GOVERNED MOTOR UNITS

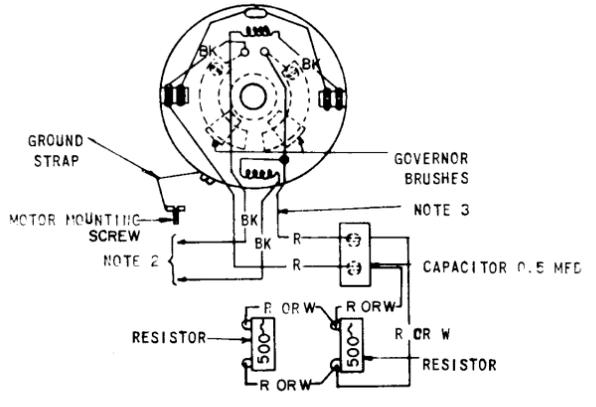
NOTE:
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ORD WHICH IS A PART OF THIS DRAWING.

2900WD

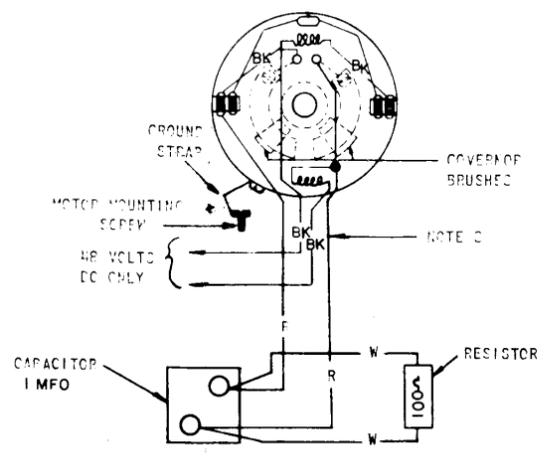
REVISIONS

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T	8-8-61	70559
U	10-18-61	71471
V	11-30-61	71805
W	8-24-62	74285
X	9-20-62	74557
Y	11-29-62	75216
Z	4-15-63	76588
AA	4-15-63	76592
AB	5-16-63	76965
AC	5-28-63	76149
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36	4-10-65	82432-1
37	9-22-65	82432-3
38	11-8-65	82432-4
39	11-10-65	87684
40	2-22-66	90356
41	4-5-66	90628
42	4-26-67	93°75
43	5-26-67	94128-RC
44	5-13-68	95859

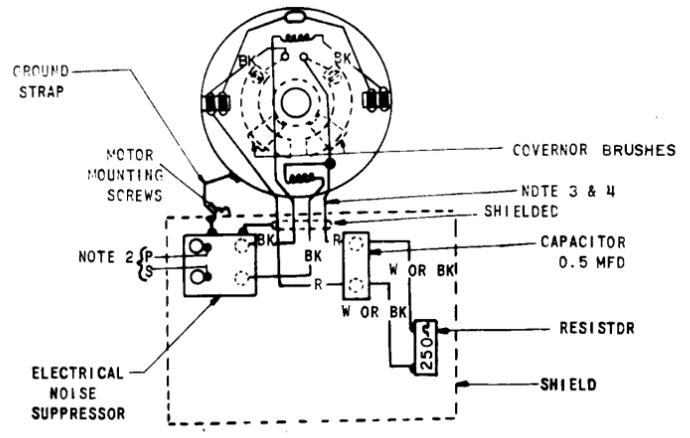
- NO. NOTES
- AC SERIES MOTOR UNITS OPERATE ON UN-REGULATED AC POWER.
ASSOCIATED LESU MUST BE EQUIPPED WITH CAPACITOR-RESISTOR ASSEMBLY FOR DC OPERATION OF GOVERNED MOTORS.
 - CONNECT EITHER WIRE TO DESIGNATED TERMINALS OF UNIT TERMINAL BLOCK, PER WIRING DIAGRAM OF ASSOCIATED UNIT.
 - MOTOR LEADS OF SAME COLOR ARE INTER-CHANGEABLE.
 - MOTOR LEADS ARE ENCLOSED IN APPROXIMATELY 10" LONG COPPER SHIELDING & FASTENED TO MOTOR AND CONTROL PARTS COMPARTMENT. (FOR LMU28).
 - LMU4, 10, AND 14 MOTOR UNITS (UNIVERSAL SERIES GOVERNED) CONTAIN TWO 500 OHM RESISTORS WIRED IN PARALLEL EQUIVALENT TO 250 OHMS.
LMU4 MOTOR UNIT SUPERSEDED BY LMU41 MOTOR UNIT.
LMU10 MOTOR UNIT SUPERSEDED BY LMU47 MOTOR UNIT.
LMU14 MOTOR UNIT SUPERSEDED BY LMU39 MOTOR UNIT.
 - WIRE COLOR CODE:
BK - BLACK R - RED
BL - BLUE O - ORANGE
BR - BROWN Y - YELLOW
P - PURPLE S - SLATE
W - WHITE G - GREEN



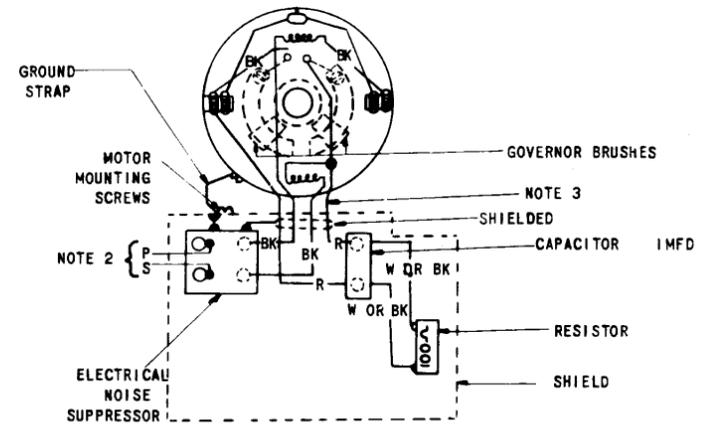
LMU 6,13 (UNIVERSAL)
WITHOUT RADIO FREQUENCY SUPPRESSORS
FOR USE WITH EITHER 115V AC 50-60 OR 115V DC POWER SUPPLY (NOTE 1B).



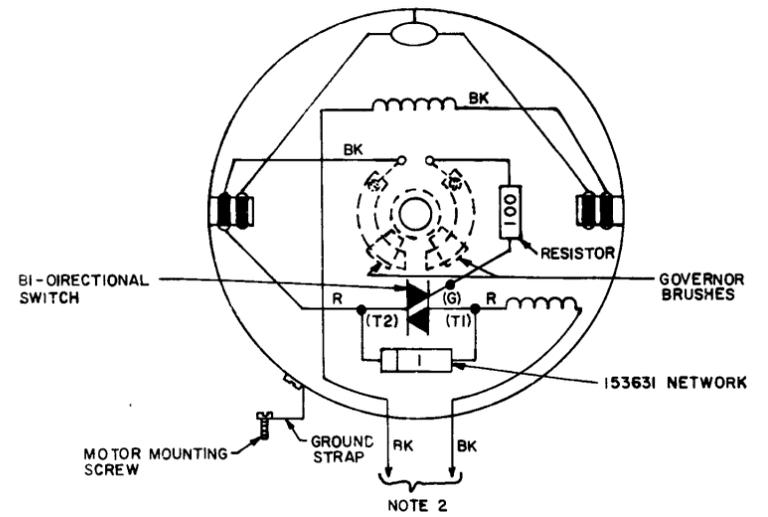
LMU 23 (48 VOLTS)
WITHOUT RADIO FREQUENCY SUPPRESSORS
FOR USE ON 48 V.D.C. POWER SUPPLY ONLY.



LMU 28,32,39,41,47 (UNIVERSAL)
WITH RADIO FREQUENCY SUPPRESSORS
FOR USE WITH EITHER 115V AC 50-60~115 V DC POWER SUPPLY (NOTE 1B).



LMU 29 (48 VOLTS)
WITH RADIO FREQUENCY SUPPRESSORS
FOR USE ON 48 VOLT DC POWER SUPPLY ONLY.



LMU 57,60 (115 VOLTS AC)
WITHOUT RADIO FREQUENCY SUPPRESSORS
FOR USE ON 115 VOLTS AC ONLY.

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

SHEET 2

ACTUAL
WIRING DIAGRAM
FOR
MODEL 28 & 35
MOTOR UNITS

APPROVALS

D AND R	E OF M
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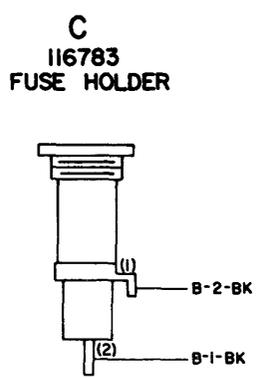
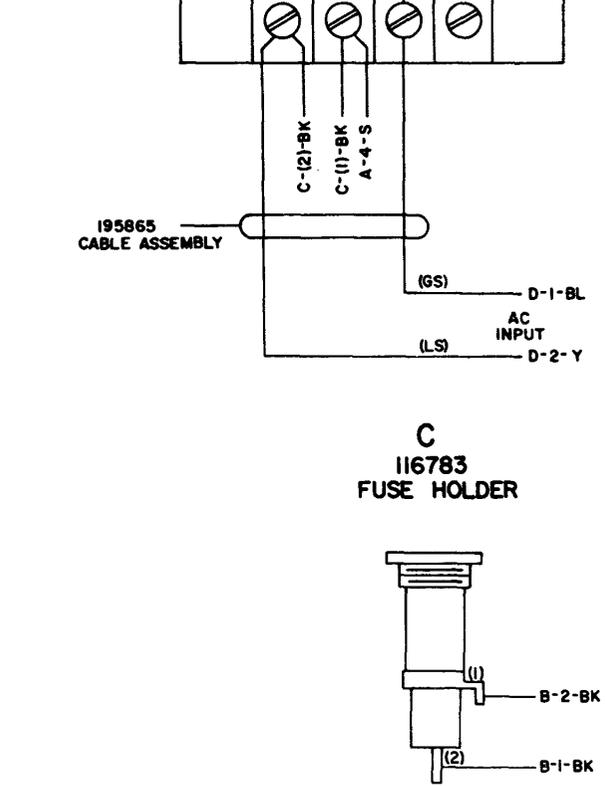
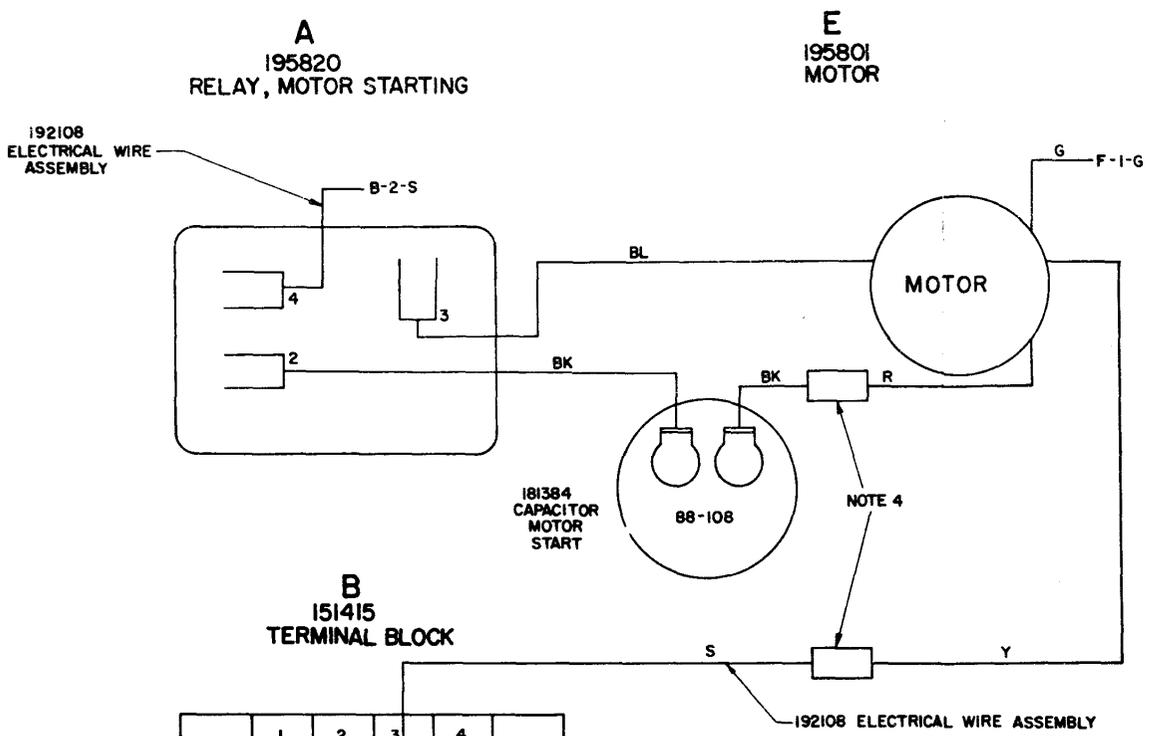
E-NUMBER	
PROD. NO.	2900WD
DATE	1-28-55
P.D. FILE NO.	1-30.65.156A
DRAWN E.R.	CHKD. R.H.
ENGD. B.M.B.	APPD.

TELETYPE CORPORATION

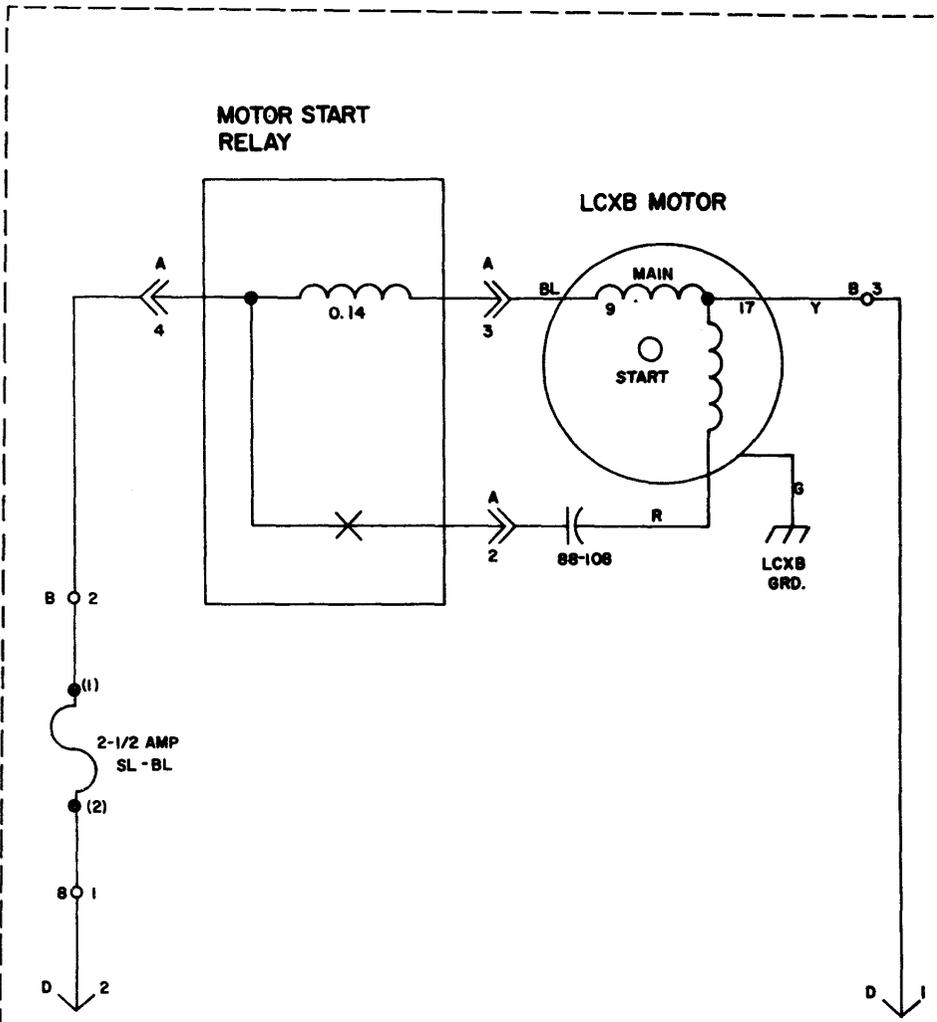
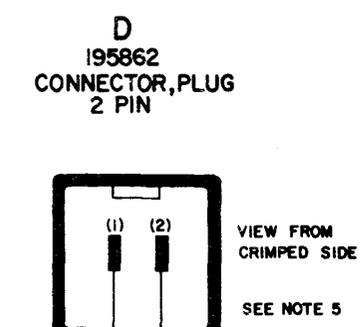
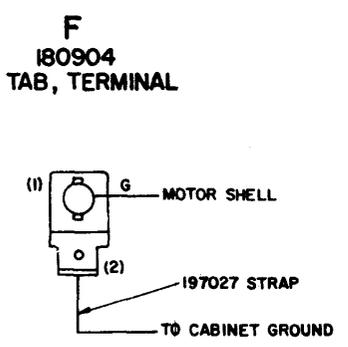
2900 WD

- NO. NOTES**
- 1. WIRING LEGEND:**

 DISTANT TERMINATING AREA
 DISTANT TERMINATING DESIGNATION
 B-3-W-BL
 WIRE COLOR CODE
 - 2. COLOR CODE:**
 BK-BLACK R-RED
 BL-BLUE P-PURPLE
 BR-BROWN Y-YELLOW
 G-GREEN W-WHITE
 O-ORANGE S-SLATE
 - 3. TERMINALS DESIGNATED IN PARENTHESIS ARE FOR REFERENCE AND ARE NOT MARKED ON COMPONENTS.**
 - 4. QUICK CONNECT TERMINAL CONNECTIONS. COVER WITH 2-1/2 INCH LENGTH OF 60358 RM VINYL TUBING.**
 - 5. EARLY UNITS DO NOT CONTAIN THE 195862 CONNECTOR.**
 - 6. USE 115V.A.C ±10% 60~ ±1/2~ POWER ONLY.**
 - 7. REFERENCE SPEC. FOR TELETYPE CORP. EMPLOYEES ONLY 60,686S.**
 - 8. ALL CAPACITANCE VALUES IN MICROFARADS, UNLESS OTHERWISE SPECIFIED.**



ACTUAL



SCHEMATIC

4348 WD

REVISIONS		
ISSUE	DATE	AUTH. NO.
2	1-8-64	76949
3	1-24-64	77439
4	2-11-64	80148
5	5-14-64	81544
6	8-26-65	81540-3
7	8-1-67	94198

ACTUAL & SCHEMATIC WIRING DIAGRAM FOR LCXB803, 804, 805, 806, 808, 813 TRANSMITTER BASE

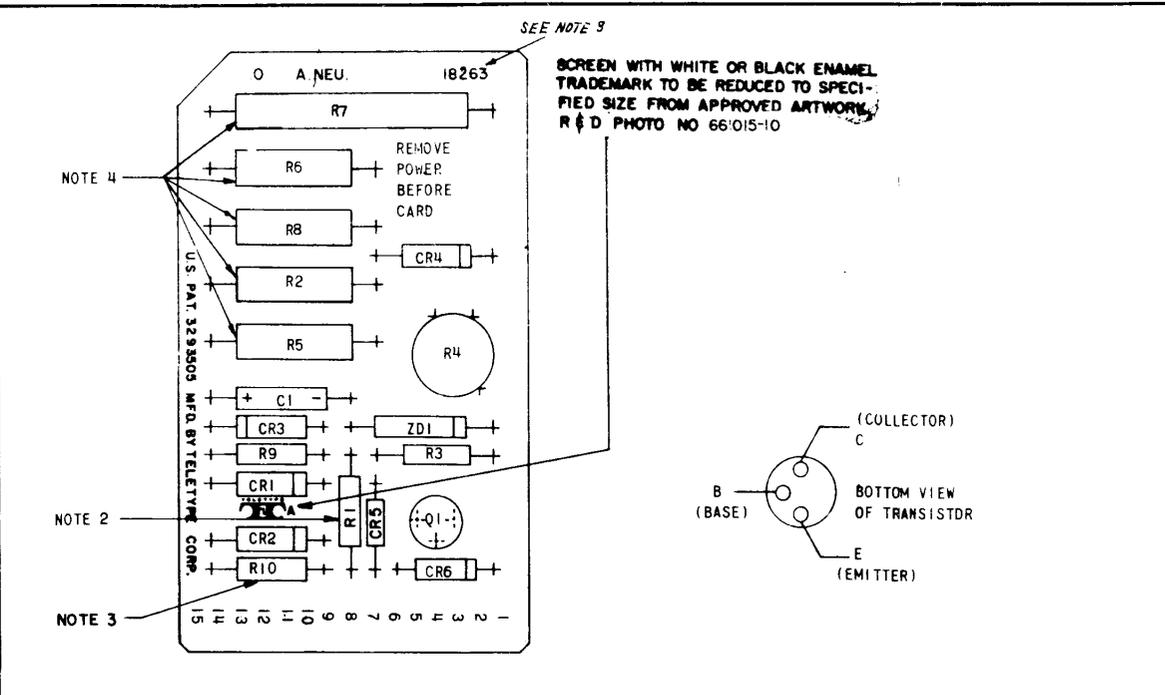
APPROVALS	
D AND R H.J.K.	E OF M

E-NUMBER	
PROD. NO.	4348 WD
DATE	5-1-63
P.D. FILE NO.	1-64.151-219A
DRAWN RJP	CHKD. Tdl
ENGD. GEW	APPD.

TELETYPE CORPORATION

4348 WD

NO.	NOTES
1.	REFER TO 5906WD FOR CARD MARKING INFORMATION.
2.	THE SELECTION OF THIS RESISTOR DEPENDS ON THE APPLICATION IN WHICH THE DRIVER IS TO BE USED.
3.	R10 IS USED ON 18263D ASSEMBLY ONLY.
4.	RAISE R2,5,6,7,8 1/32 TO 1/16 ABOVE CIRCUIT CARD.
5.	THE 39603RM 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 .040 A NEU 182632

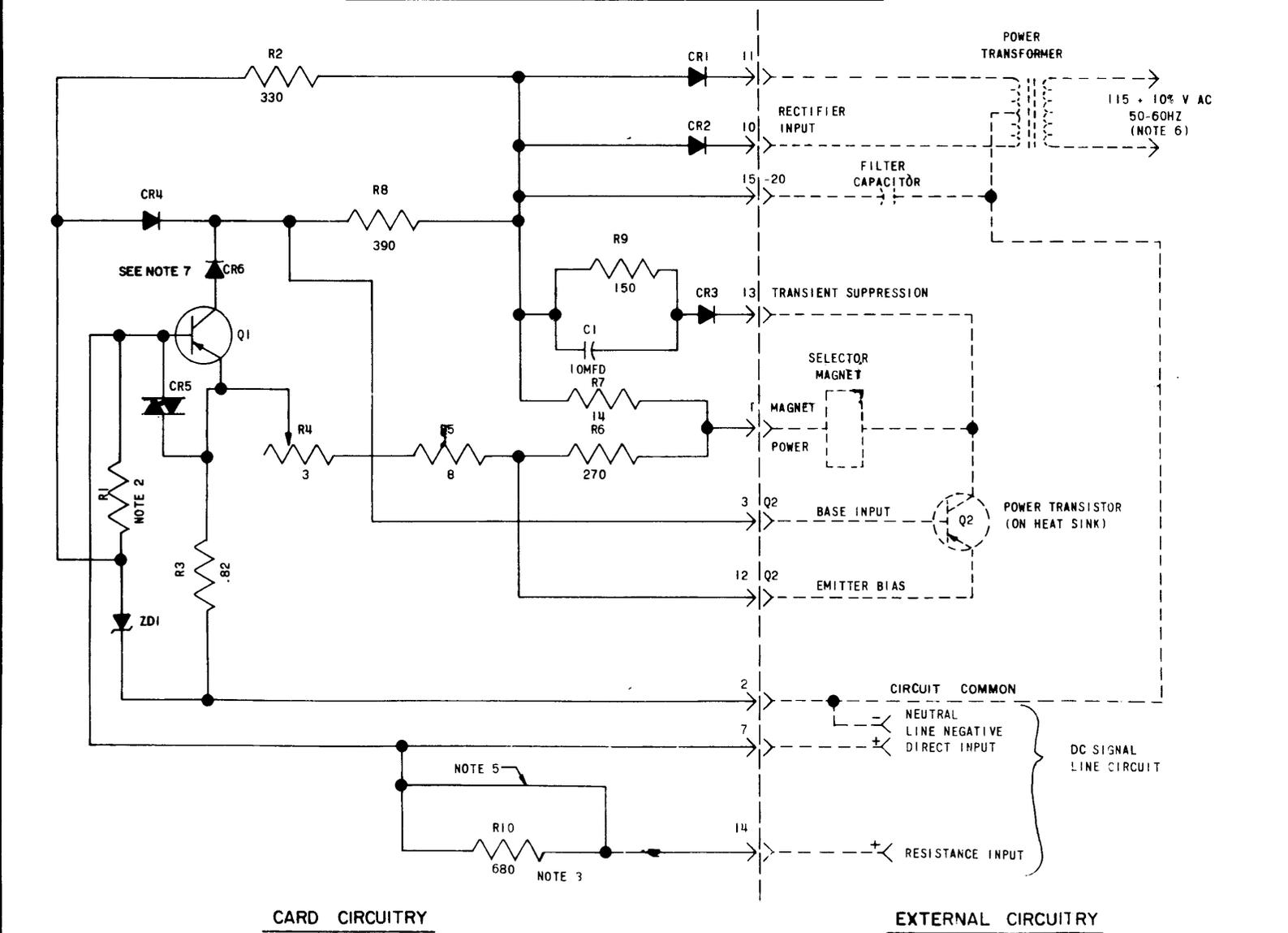


CIRCUIT CARD ASSEMBLY						
REF. DESIG.	TELETYPE PART NO.	TOTAL QTY	NAME & DESIGNATION	LOCATING FUNCTION	USED ON	FDR
R1	182779	1	RESISTOR 420 OHMS 1/2W	.010 AMP. SWITCHING	182630	.020A NEUTRAL LINE
"	182797	1	RESISTOR 135 OHMS 1/2W	.030 AMP. SWITCHING	182631	.060A " "
"	182180	1	RESISTOR 200 OHMS 1/2W	.020 AMP. SWITCHING	182632	.040A " "
R10	182777	1	RESISTOR 680 OHMS 1/2W	INPUT CURRENT LIMITING	182630	DATA SET OPERATION
R10	39603RM	1	STRAP	.030 AMP. SWITCHING	182631	.060A NEUTRAL LINE
R10	39603RM	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		
				TRANSIENT LIMITING		
CR1	182520	2	DIODE 1N3193	POWER RECTIFIER		
CR2	182520	2	SAME AS CR1	POWER RECTIFIER		
CR3	181619	2	DIODE 1N482	COLLECTOR TRANSIENT LIMITING		
CP4	181619	2	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	8-8-62	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

CONSTANT CURRENT .500 SELECTOR MAGNET DRIVER



CARD CIRCUITRY

EXTERNAL CIRCUITRY

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.

APPROVALS

D AND R	E OF M
HJK	

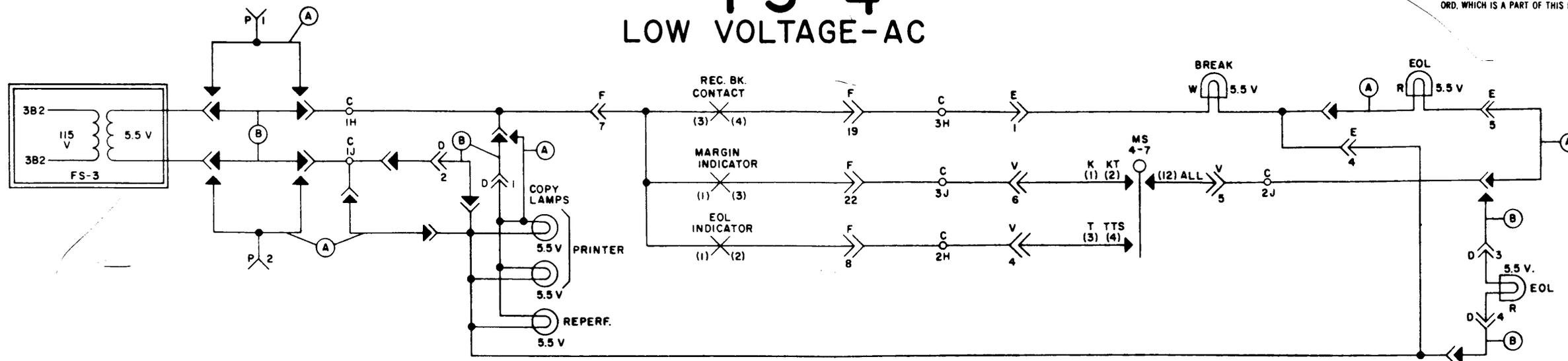
E-NUMBER	PROD. NO. 182630-35
DATE	6-2-62
P.D. FILE NO.	30-158AAA
DRAWN E. R. REG	CHKD.
ENGD. R. J. M.	APPD.

TELETYPE CORPORATION

182630-35

FS-4

LOW VOLTAGE-AC



NOTE:
REVISION INFORMATION MUST ALSO BE
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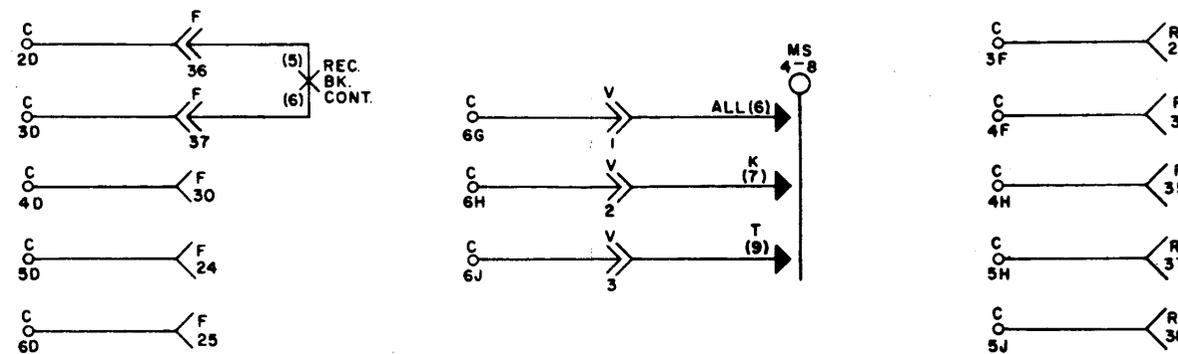
6384WD

REVISIONS

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3	1-23-64	79298
4	6-17-64	82025
5	6-25-64	82531
6	9-9-64	83617
7	12-11-65	84597
8	1-5-65	84060
9	12-11-65	89017
10	8-2-66	91499-RC
11	5-3-67	93297

FS-5

WIRED SPARE EQUIPMENT



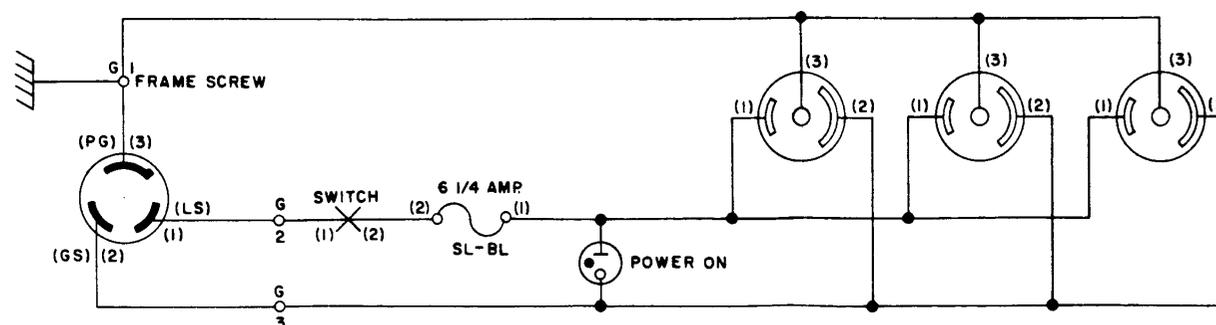
SEE ISSUE CONTROL RECORD FOR COM-
PLETE LIST OF SHEETS COMPRISING THIS
W.D.

SHEET 4

WDP

FS-6

RELAY RACK ASSEMBLY (VCL389)



SCHEMATIC
WIRING DIAGRAM
FOR
MODEL 35 ASR SETS
35AR, 35AS, VCL327, VCL339,
VCL351, 379, & 389
VSL 355
(VCL 401)

APPROVALS

D AND R E OF M

E-NUMBER

PROD. NO. 6384WD

DATE 7-5-66

P.D. FILE NO. G-A151AA

DRAWN I C S. CHKD.

ENGD. APPD.

TELETYPE
CORPORATION

6384WD

FS-2

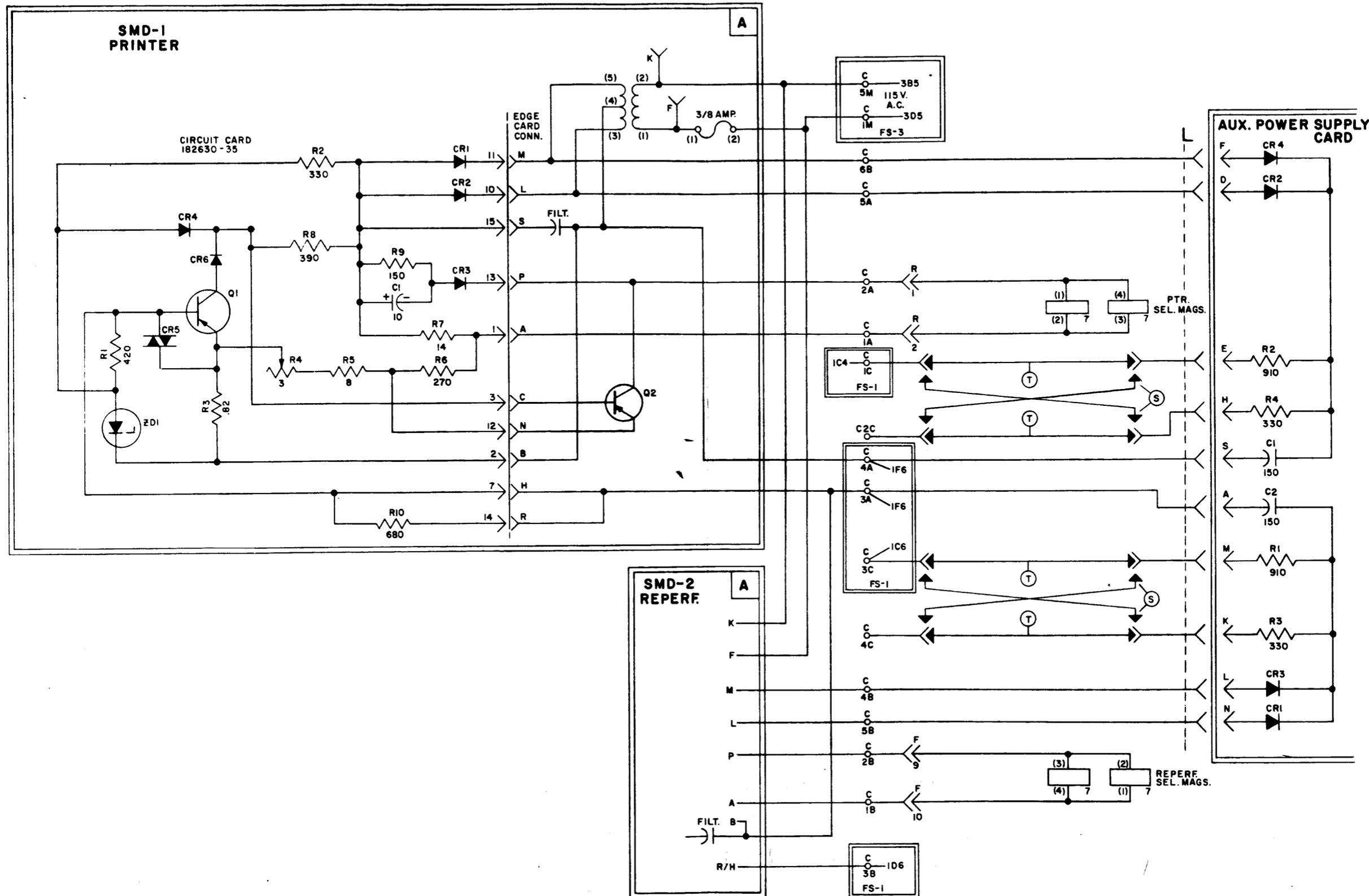
SELECTOR MAG. DRIVERS

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6384 WD

REVISIONS

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6	9-9-64	83617
7	12-11-64	84597
8	1-5-65	84060
9	12-11-65	89017
10	8-2-66	91499-RC
11	5-3-67	93297



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

SHEET 2

SCHEMATIC
WIRING DIAGRAM
FOR
MODEL 35 ASR SET
35AR, 35AS, VSL 327, VCL 339,
VCL 351, 379 & 389
VSL 355
(VCL 401)

APPROVALS

D AND R	E OF M
<i>[Signature]</i>	<i>[Signature]</i>

E-NUMBER
PROD. NO. 6384 WD
DATE 6-29-66
P.D. FILE NO. G-A151AA
DRAWN F.C.S. CHKD.
ENGD. APPD.

TELETYPE CORPORATION

6384 WD

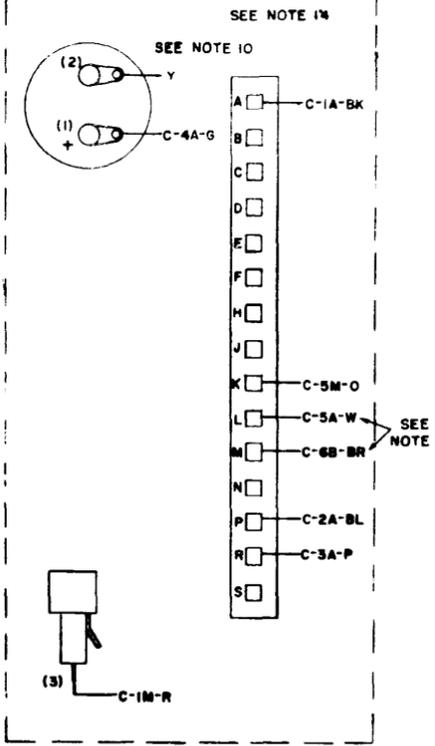
NOTE
REVISION INFORMATION MUST ALSO BE
REFLECTED ON THE ISSUE CONTROL REC-
ORD. WHICH IS A PART OF THIS DRAWING.

6394 WD

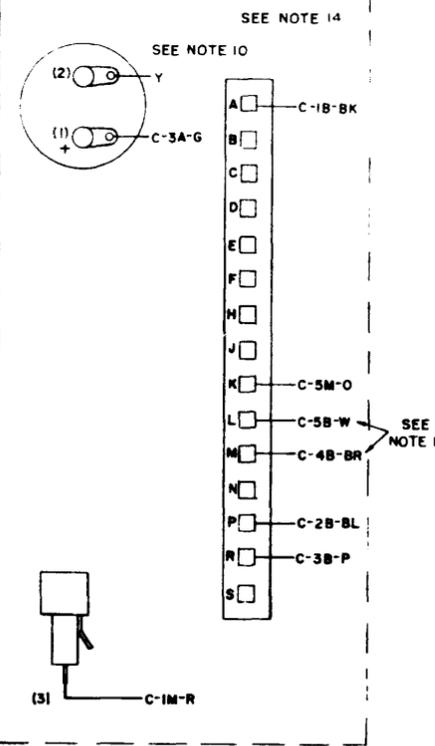
REVISIONS

ISSUE	DATE	AUTH. NO.
A 2	10-7-63	77538
B 3	1-23-64	79298
E 4	4-6-64	80159
5	6-12-64	82025
6	7-2-64	80159-1
7	9-9-64	83617
8	12-11-64	84597
9	1-25-66	91080
10	5-26-67	94063
11	5-26-67	93296
12	5-6-68	95524-1

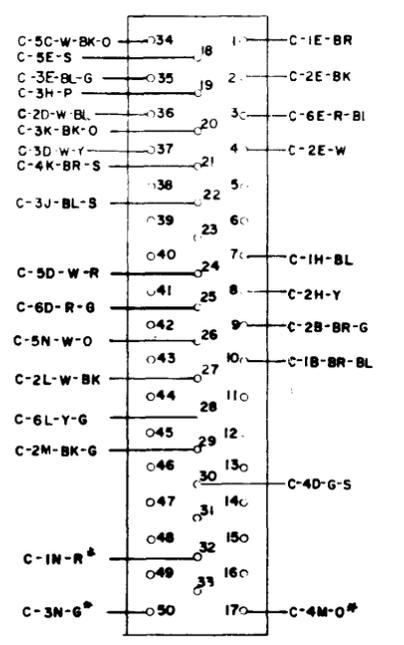
SMD 1
LP SELECTOR MAGNET DRIVER
(193485) NOTE 19



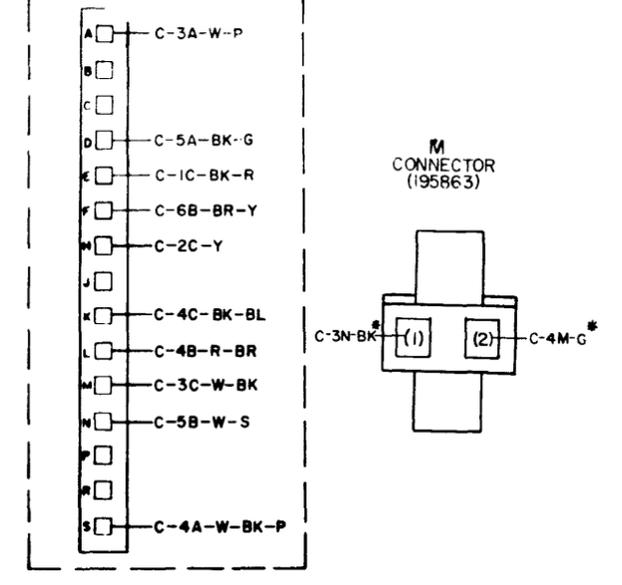
SMD 2
LRPE SELECTOR MAGNET DRIVER
(193485) NOTE 19



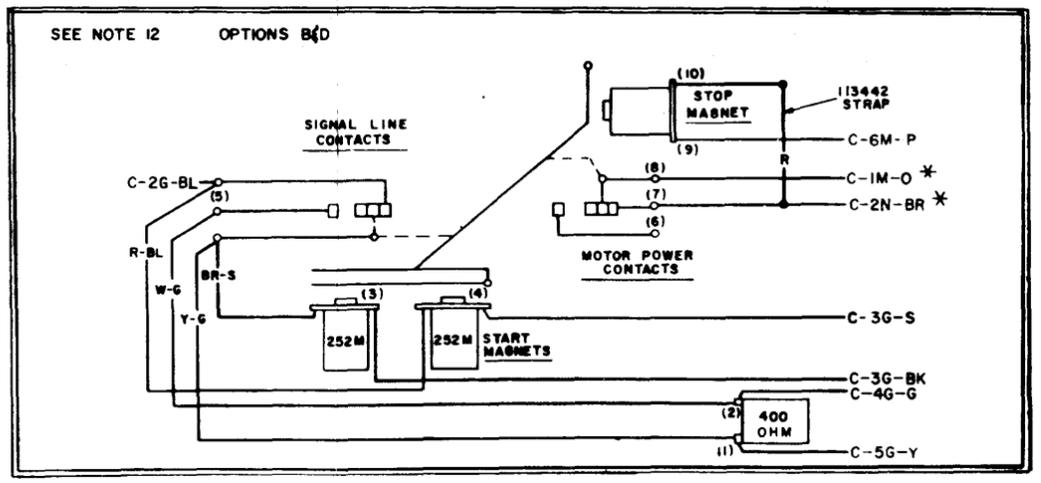
F
KEYBOARD CONNECTOR
(192014)



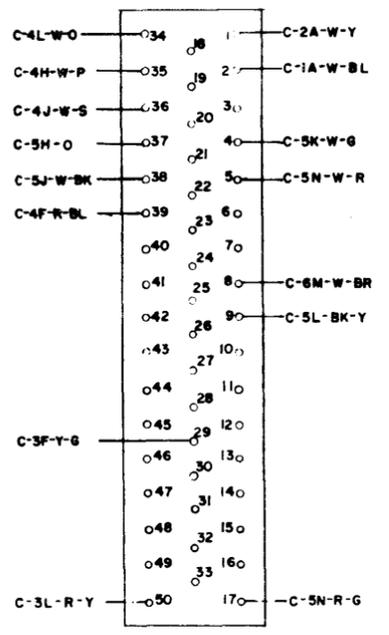
L
AUXILIARY
POWER SUPPLY ASSEMBLY
(198209)



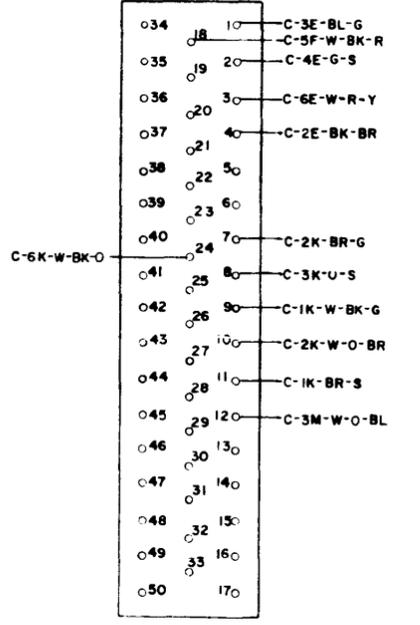
W
ELECTRICAL MOTOR CONTROL ASSEMBLY
(197035)



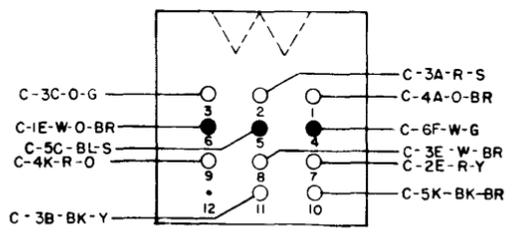
R
PAGE PRINTER CONNECTOR
(192014)



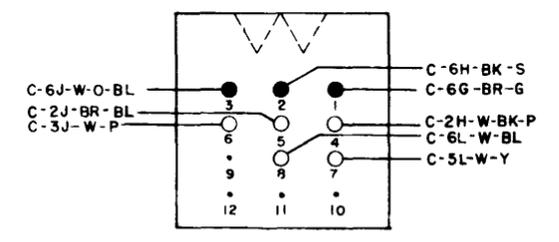
U
TRANSMITTER DISTRIBUTOR
CONNECTOR
(192014)



S
MODE SWITCH
CONNECTOR
(182648)



V
MODE SWITCH
CONNECTOR
(182648)



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

SHEET 1 WDP

ACTUAL
WIRING DIAGRAM
FOR
ELECTRICAL SERVICE UNIT
LESU313 FOR
MODEL 35
PRIVATE LINE
ASR SET

APPROVALS

D AND R
E OF M

E-NUMBER

PROD. NO. 6394WD

DATE 6-13-63

P.D. FILE NO. 1-159-151AA

DRAWN CHKD. J.G.M.

ENGD. W.E.C. APPD. B.G.G.

TELETYPE
CORPORATION

6394 WD

FS-1 LINE CIRCUIT

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

6384WD

REVISIONS

ISSUE	DATE	AUTH. NO.
2	10-9-63	77540
3	1-23-64	79298
4	6-17-61	82025
5	6-25-64	82531
6	9-9-64	83617
7	12-11-64	84597
8	1-5-65	84060
9	12-11-65	89017
10	8-2-66	91499-RC
11	5-3-67	93297
12	5-23-67	94063
13	5-6-68	95624-1

NOTES

WIRING DIAGRAMS:

NUMBER	UNIT
2900WD	MOTOR UNIT LMU-3 - LMU 38 (VSL 355 ONLY)
4348WD	LXCB 806
5814WD	LXD
5983WD	SMD 193485- 50 - 60 CPS (NOTE 6)
5984WD	LPR
6043WD	LP FRICTION FEED
OR	
6044WD	LP SPROCKET FEED
6380WD	POWER PANEL
6394WD	LESU 313
6395WD	LAK
6903WD	198242 SWITCH PANEL
7442WD	318999 RELAY RACK
7584WD	COPY LIGHT
182630	CIRCUIT CARD - SMD
198248	AUX POWER CARD
8127WD	LXCB 812 (VSL 355 ONLY)

LEGEND:

- MOTOR TERM BLK - LAK
- POWER & SIG LINE TERM BLK - LESU
- WIRING FIELD TERMINAL BLK.
- MOTOR CONNECTOR TRANS. DIST.
- POWER TERM. BLK - RELAY RACK
- KEYBOARD CONNECTOR
- PRINTER CONNECTOR
- POWER PANEL CONNECTOR
- TRANS. DIST. CONNECTOR
- MODE SWITCH CONNECTOR
- MODE SWITCH CONNECTOR
- LPR PRINT SUPPRESS CONNECTOR
- COPY LAMP CONNECTOR (B)
- COPY LAMP CONNECTOR (A)

OPTIONS:

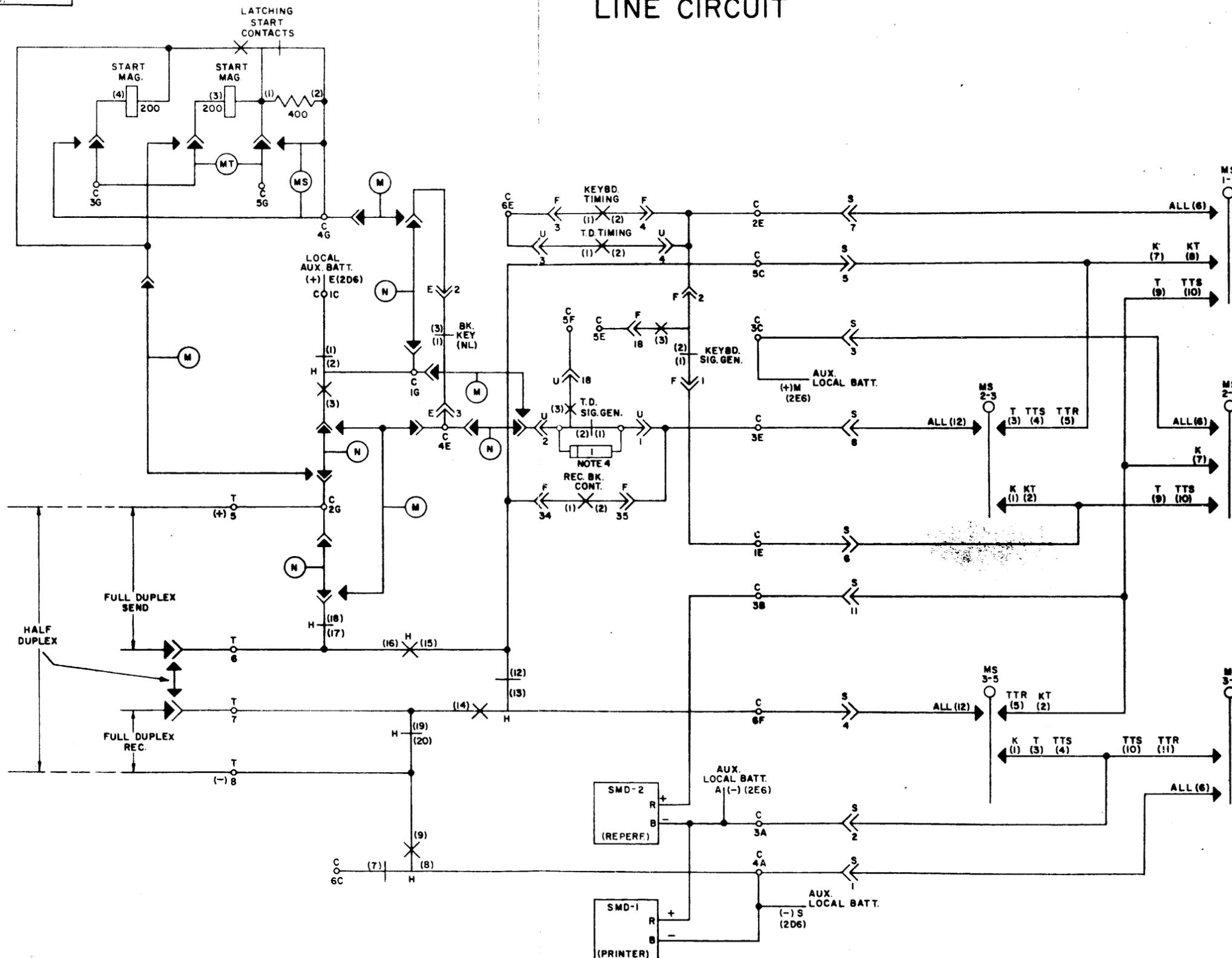
- 20 MA LINE
- 60 MA LINE
- MOTOR CONTROL - 20 MA LINE
- MOTOR CONTROL - 60 MA LINE
- WIRING FOR SETS HAVING EOL LAMP ADJACENT TO KEYBOARD.
- WIRING FOR SETS HAVING EOL LAMP ON UPPER COVER.
- NORMAL - NOT EQUIPPED WITH MOTOR CONTROL.
- MOTOR CONTROL



NETWORK	PART NO.	R (OHMS)	C (MFD.)
1	154166	470	.10
2	178535	470	.13

5. 312350 DATA SET COUPLER MODIFICATION KIT MAY BE INSTALLED ON THIS SET. THIS KIT IS NOT COMPATIBLE WITH ELECTRICAL MOTOR CONTROL OPTIONS MT OR MS.

6. SOME UNITS CONTAIN 305675 SMD.



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

SHEET 1

SCHEMATIC
WIRING DIAGRAM
FOR
MODEL 35 ASR SETS
35AR, 35AS, VSL 327, VCL 339,
VCL 351, 379 & 389
VSL 355
(VCL 401)

APPROVALS

D AND R *HJK* E OF M *[Signature]*

E-NUMBER

PROD. NO. 6384 WD

DATE 6-24-66

P.D. FILE NO. G-A151AA

DRAWN F.C.S. CHKD.

ENGD. APPD.

TELETYPE CORPORATION

6384WD

ISSUE	DATE	AUTH. NO.
A 2	6-15-62	73747
B 3	7-5-62	73985
C 4	9-10-62	74459
D 5	1-10-63	75390
E 6	2-12-63	75851
F 7	3-5-63	75883
G 8	3-13-63	76027
9	6-1-64	82547
10	11-2-64	84468
11	8-18-65	87498
12	9-10-65	87498-2
13	2-16-66	89706
14	2-22-66	90356
15	4-5-66	90384
16	8-16-66	91444
17	9-19-66	91284
18	12-13-66	91976
19	4-12-67	93156

WDP

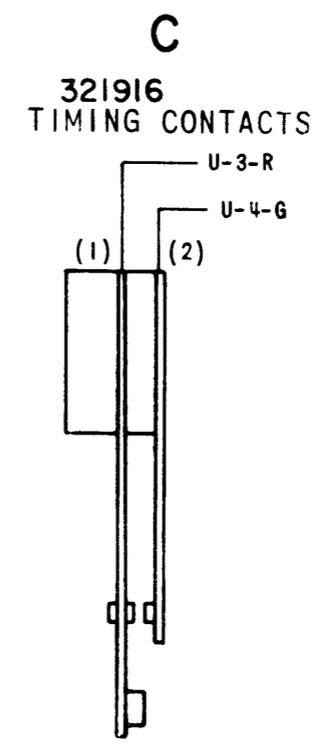
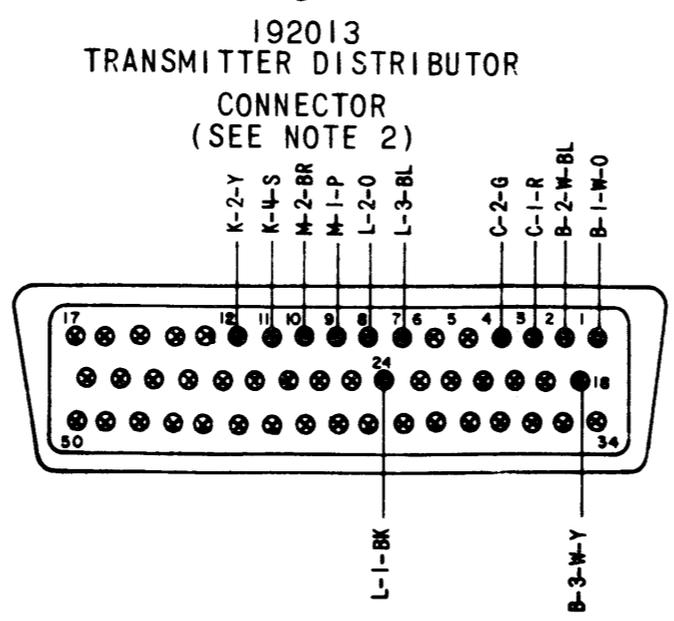
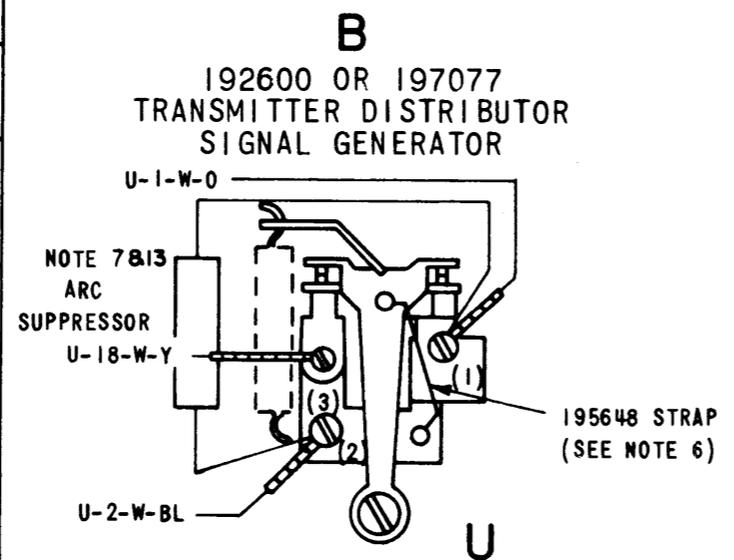
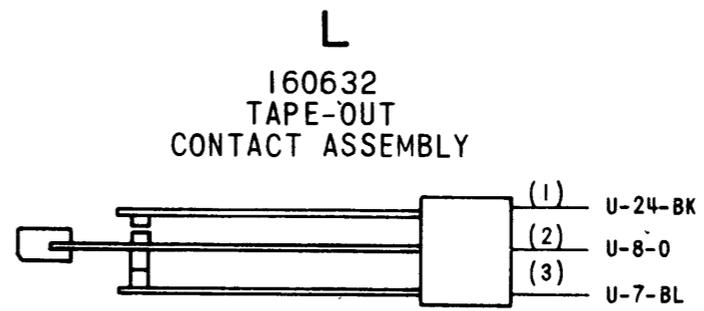
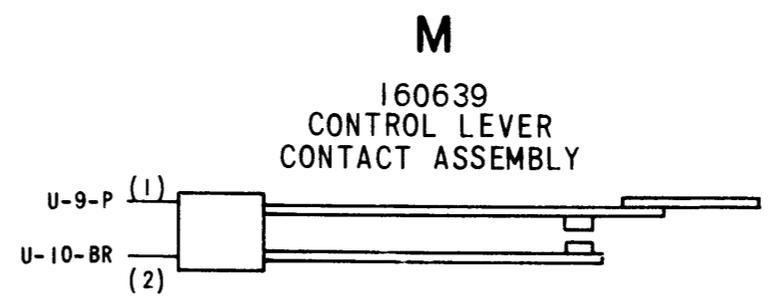
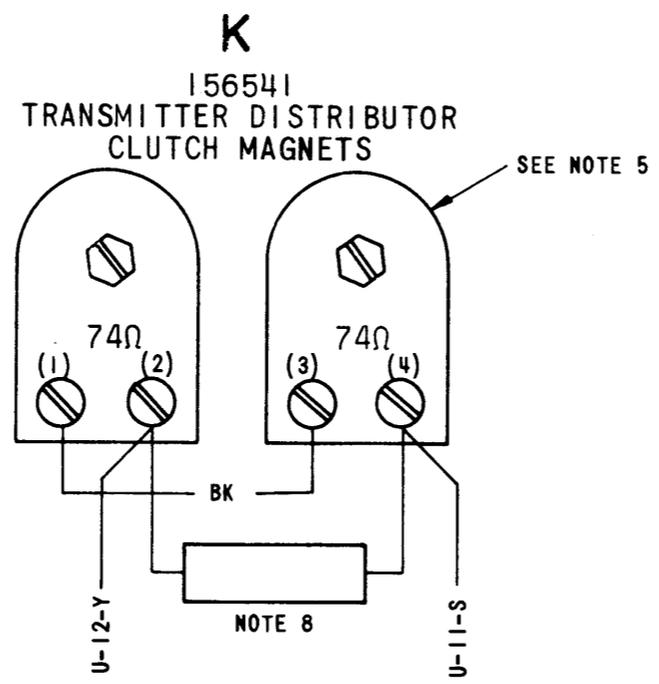
ACTUAL WIRING DIAGRAM FOR MODEL 35 TRANSMITTER DISTRIBUTOR LXDB03 LXDB04 LXDB09

APPROVALS	
D AND R	E OF M
E-NUMBER	
PROD. NO. 5814WD	
DATE: 3-29-62	
P.D. FILE NO. 1-58.151AA	
DRAWN. V E. S.	CHKD.
ENGD. J. V. P.	APPD.
TELETYPE CORPORATION	
5814 WD	

- NO. NOTES
- WIRING LEGEND:

DISTANT TERMINATING AREA
 DISTANT TERMINATING DESIGNINATION
 A-1-W-BL
 WIRE COLOR CODE
 - COLOR CODE:

 - BK - BLACK
 - BR - BROWN
 - R - RED
 - O - ORANGE
 - Y - YELLOW
 - G - GREEN
 - BL - BLUE
 - P - PURPLE
 - W - WHITE
 - S - SLATE
 - CONNECTOR VIEWED FROM WIRING SIDE.
 - ALL CONTACTS SHOWN IN UNOPERATED POSITION. CONTROL LEVER IN STOP POSITION (WHERE APPLICABLE).
 - 48V DC \pm 10% POWER TO BE USED ON CLUTCH TRIP MAGNET ASSEMBLY CIRCUIT WITH AN EXTERNAL 350 OHM RESISTOR.
 - THE 195648 STRAP IS NOT PRESENT IN EARLY MANUFACTURED UNITS.
 - 154166 ARC SUPPRESSOR ON LXDB04 ONLY. DISCONNECT ONE ARC SUPPRESSOR LEAD WHEN STROBING SIGNAL GENERATOR.
 - 178535 SPARK SUPPRESSOR ASSEMBLY (153631 NETWORK).
 - FOR TELETYPE PERSONNEL, REFER TO SPEC. 6880S.
 - CROSS REFERENCE ACTUAL TO SCHEMATIC:
- | WD NO. | VSL CODE | UNIT CODE |
|--------|----------|-----------|
| 7804WD | VSL324 | LXD804 |
- NUMBERS IN PARENTHESES ARE NOT MARKED ON COMPONENT.
 - TIMING CONTACT USED IN CONJUNCTION WITH SIGNAL REGENERATOR ASSEMBLY 305445 OR 305446 (OPTIONAL).
 - THE 154166 ARC SUPPRESSOR MUST BE DISCONNECTED IN SYSTEMS THAT EMPLOY THE 312325 OR 323609 REGENERATOR CARDS.

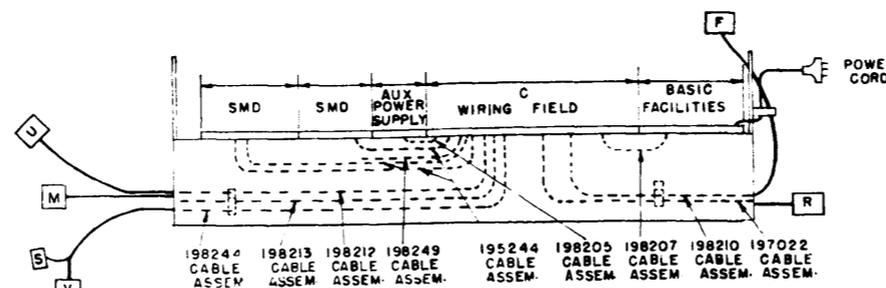
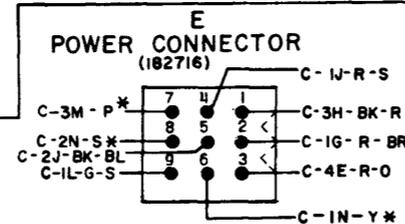
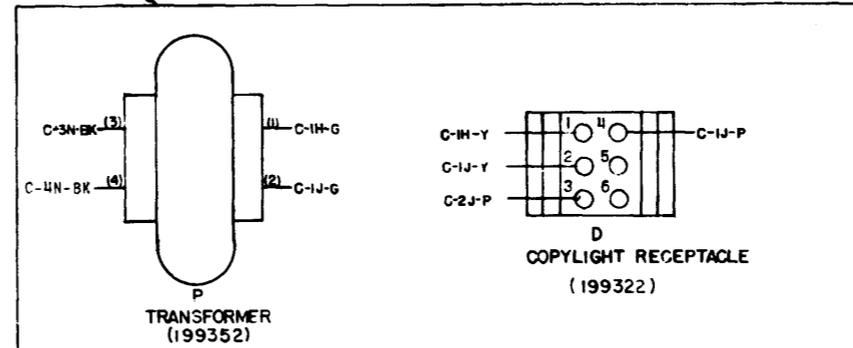
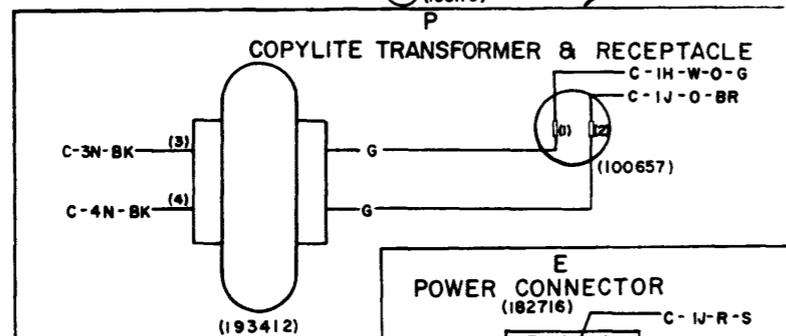
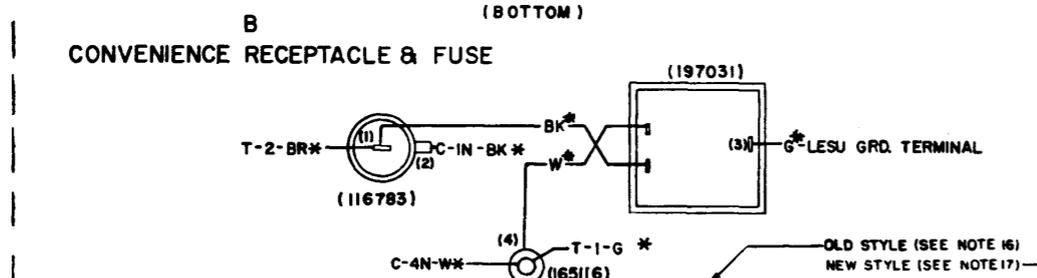
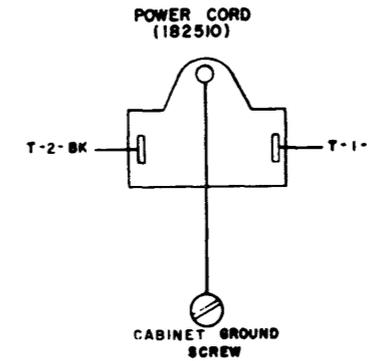
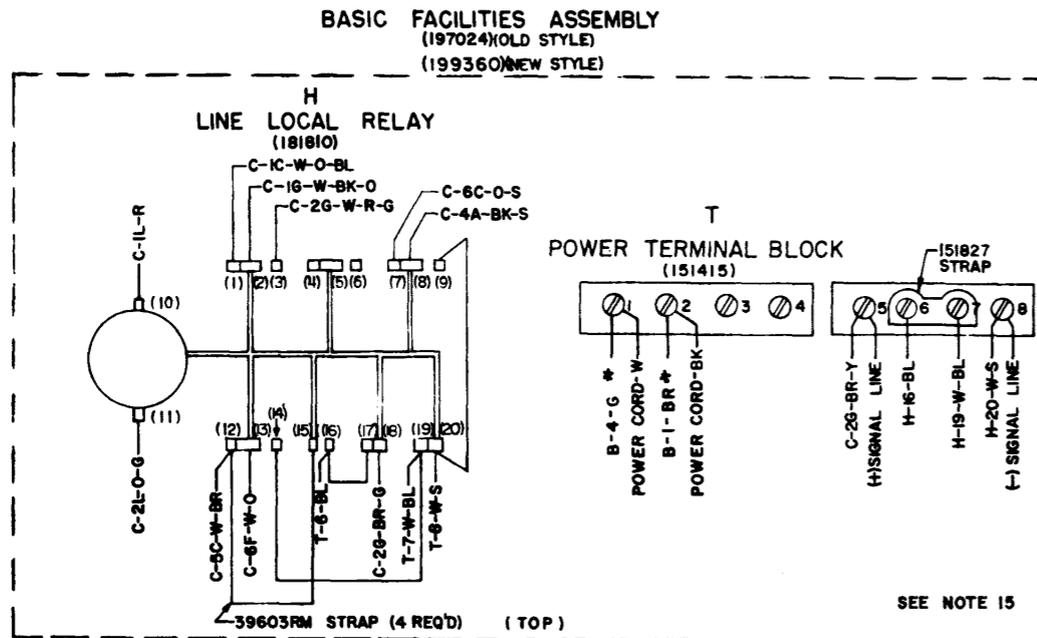


NOTE:
REVISION INFORMATION MUST ALSO BE
REFLECTED ON THE ISSUE CONTROL REC-
ORD, WHICH IS A PART OF THIS DRAWING.

6394WD

REVISIONS

ISSUE	DATE	AUTH. NO.
A 2	10-7-63	77538
B 3	1-23-64	79298
C 4	4-6-64	80159
5	6-12-64	82025
6	7-2-64	80159-1
7	9-9-64	83617
8	12-11-64	84597
9	11-25-66	91080



SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS WD

SHEET 3

ACTUAL WIRING DIAGRAM FOR ELECTRICAL SERVICE UNIT LESU313 FOR MODEL 35 PRIVATE LINE ASR SET

APPROVALS

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

E-NUMBER	
PROD. NO.	6394WD
DATE	6-13-63
P.D. FILE NO.	1-159.151AA
DRAWN	CHKD. J.G.M.
ENGD. W.E.C.	APPD. B.G.G.

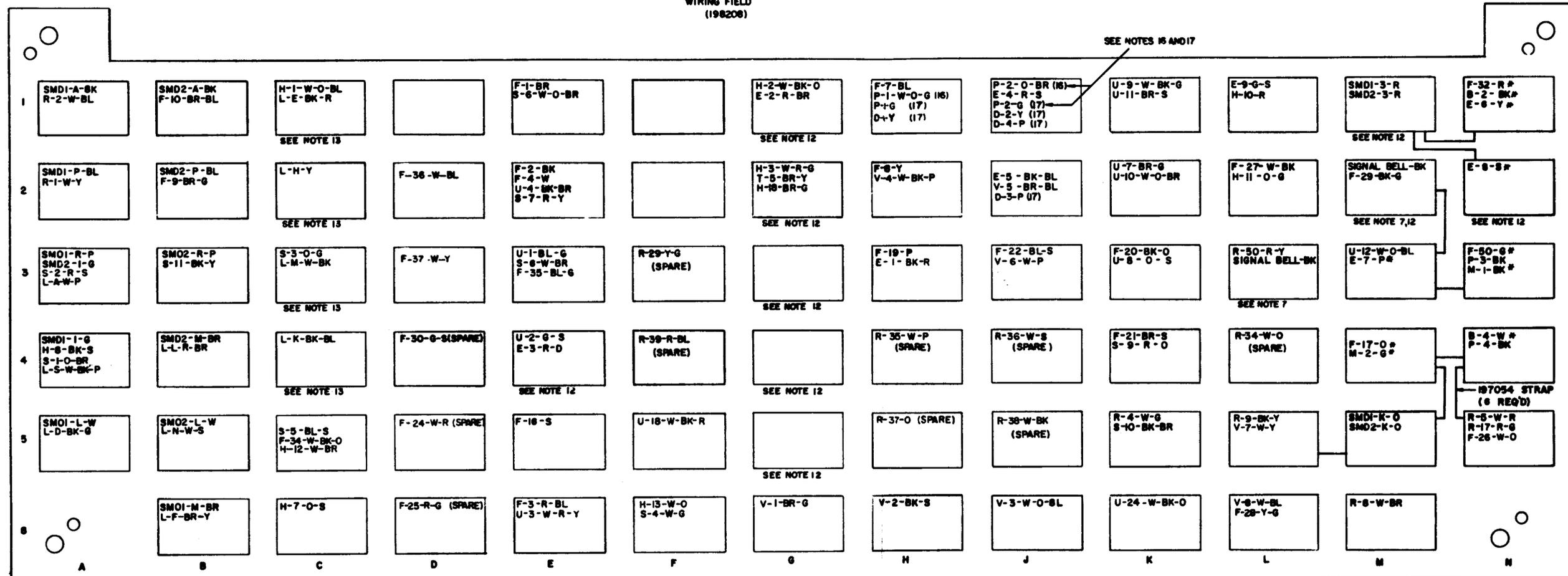
TELETYPE CORPORATION

6394WD

REVISIONS

ISSUE	DATE	AUTH. NO.
A 2	10-7-63	77638
B 3	1-23-64	79298
C 4	4-6-64	80188
D 5	6-12-64	82025
E 6	7-2-64	80189-1
F 7	9-9-64	83617
G 8	12-11-64	84597
H 9	11-25-66	91982

C
WIRING FIELD
(198206)



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

SHEET 2

ACTUAL
WIRING DIAGRAM
FOR
ELECTRICAL SERVICE UNIT
LESU313 FOR
MODEL 36
PRIVATE LINE
ASR SET

APPROVALS

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

E-NUMBER

PROD. NO. 6394WD

DATE 6-13-63

P.D. FILE NO. 1-159.151AA

DRAWN

CHKD. J.G.H.

ENGD. W.E.C.

APPD. S.G.S.

TELETYPE
CORPORATION

NOTES

5983 WD

REVISIONS

ISSUE	DATE	AUTH. NO.
2	1-23-64	79298
3	5-21-64	81761
4	8-4-64	82600
5	2-22-66	90956
6	10-17-66	90278
7	5-3-68	95524-1

- COLOR CODES**
 BK-BLACK G-GREEN
 R-RED BL-BLUE
 O-ORANGE P-PURPLE
 Y-YELLOW W-WHITE
 W-O-WHITE-ORANGE
 W-G-WHITE-GREEN
 W-BL-WHITE-BLUE
 G-Y-GREEN-YELLOW
 BR-Y-BROWN-YELLOW
- WIRING LEGEND**
 DISTANT TERMINATING AREA
 DISTANT TERMINATING DESIGNATION
 D-L-W-BL
 WIRE COLOR CODE
- ALL COMPONENTS VIEWED FROM THE SOLDERED SIDE
- FOR ASSOCIATED W.D.'S SEE 182630 (20MA) 182631 (60MA)
- SIGNAL INPUT IMPEDANCE IS 30 OHMS, FOR 680 OHM RESISTANCE REMOVE 113492 STRAP
- * INDICATES 18 GA WIRE
- FOR TELETYPE PERSONNEL REFER TO SPEC 60.5275.
- NUMBERS IN PARENTHESIS ARE NOT MARKED ON COMPONENTS
- SOME UNITS CONTAIN 195153 - 60 HERTZ OR 181878 - 50/60 HERTZ TRANSFORMER

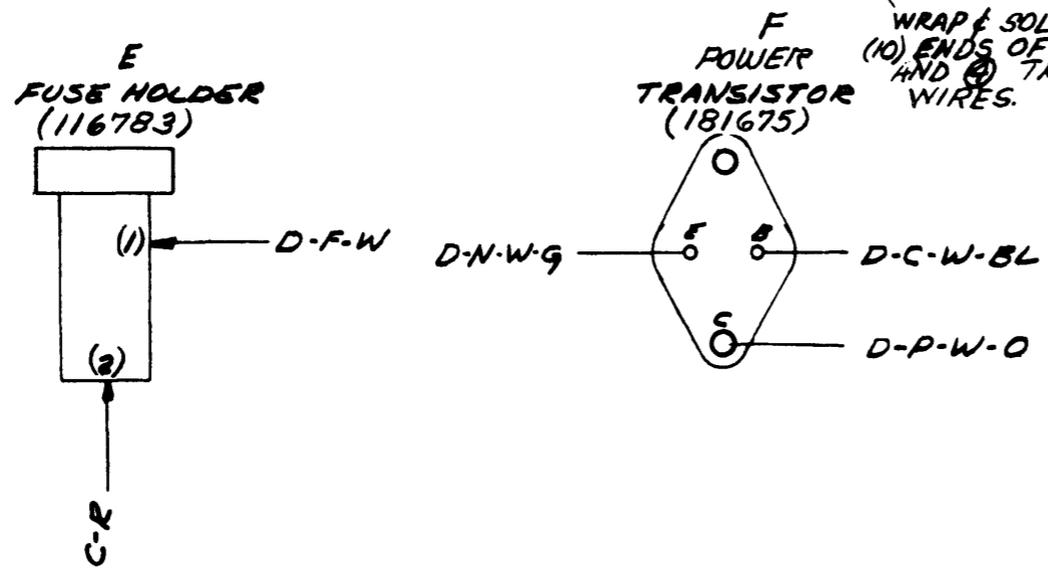
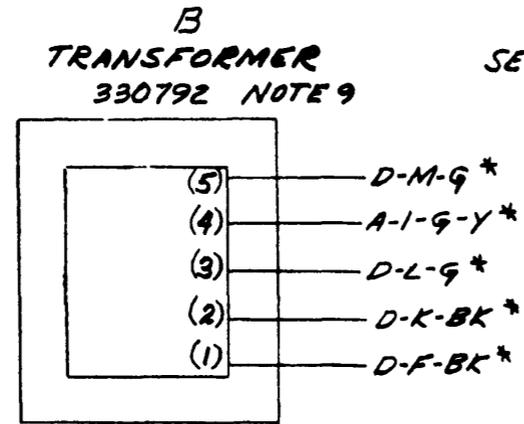
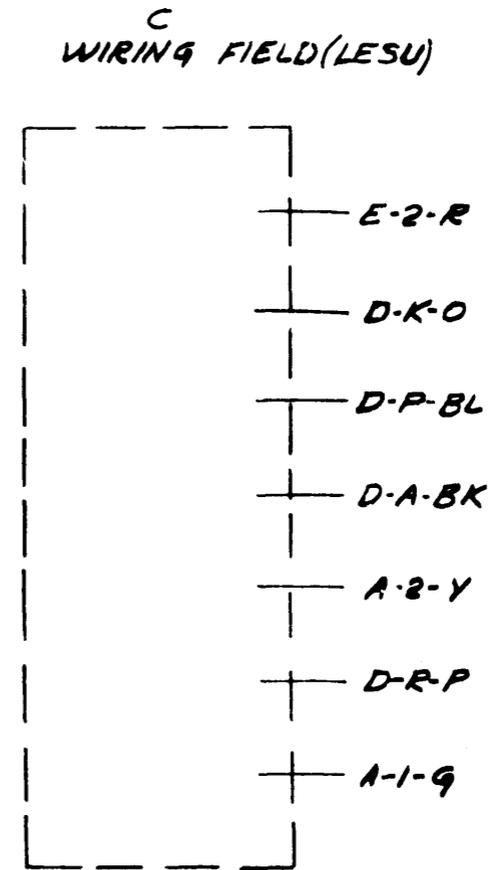
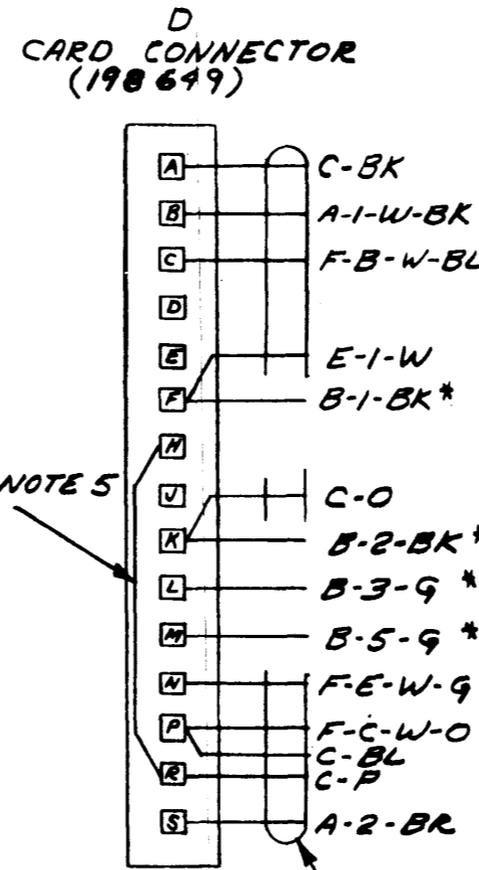
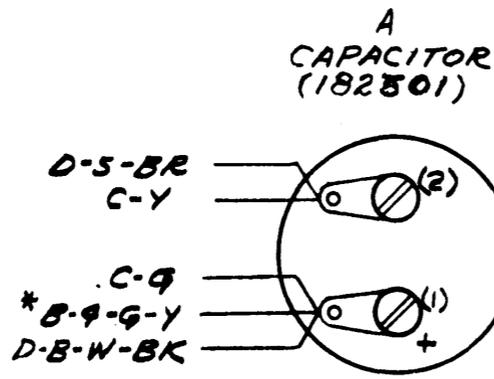


TABLE I

117 V AC	
50-60 HERTZ	
193485 20MA	
197053 60MA	

ACTUAL WIRING DIAGRAM OF 200 MA CONSTANT CURRENT SELECTOR MAGNET DRIVER FOR M35 SETS
 (SEE TABLE I)

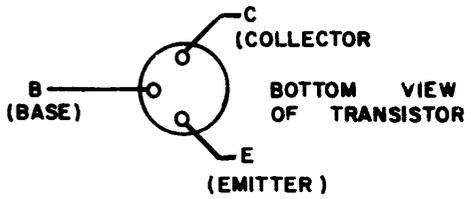
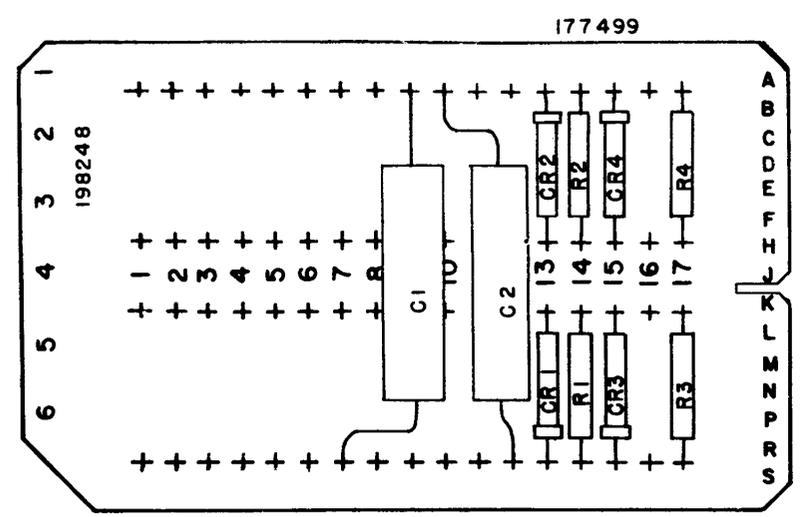
APPROVALS

D AND R	E OF M
<i>F.L.</i>	<i>[Signature]</i>
E-NUMBER	
PROD. NO. 5983WD	
DATE: 11-10-62	
P.D. FILE NO. 1-159.151AA	
DRAWN PSD	CHKD. JEM
ENGD. JGM	APPD. BGG

TELETYPE CORPORATION
 5983 WD

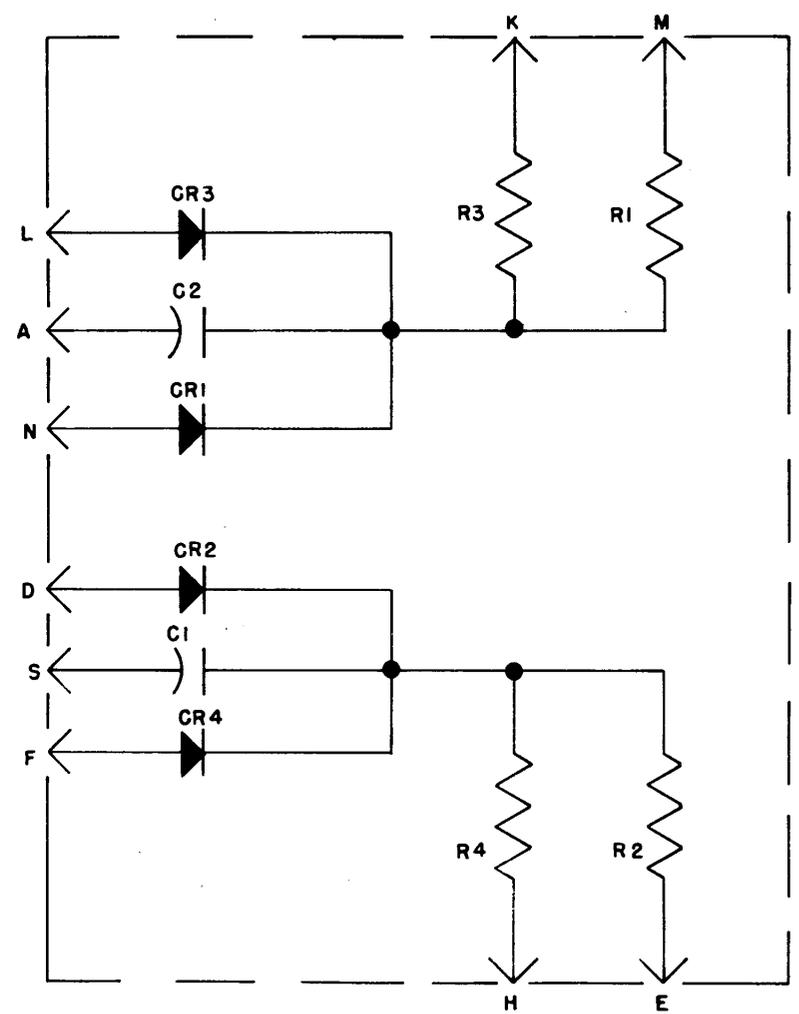
WDP

REVISIONS		
ISSUE	DATE	AUTH. NO.
2	9-18-63	77527
3	2-17-64	80150
4	1-24-66	89862



NOTE:
REFER TO 5016 WD FOR MARKING INFORMATION.

SEE SPEC. 60691S FOR USE IN VGL319, SPEC.60716S FOR USE IN VGL320 OR SPEC. 60744S FOR USE IN VGL321.



REF. DESIGN.	TELETYPE PART NO.	TOTAL QTY	NAME AND DESCRIPTION	LOCATING	FUNCTION
R1	198264	2	910 ^Ω RESISTOR-1W		
R2			SAME AS R1-1W		
R3	300048	2	330 ^Ω RESISTOR-3W		
R4			SAME AS R3		
C1	198266	2	150 MFD. CAPACITOR 50WVDC		
C2			SAME AS C1		
CR1	182520	4	IN 2611 DIODE OR IN 3193		
CR2			SAME AS CR1		
CR3			" " "		
CR4			" " "		
	177499	1	ETCHED CARD		

NOTE:
CARD CONNECTIONS ARE REPRESENTED BY LETTERS
TEST POINTS ARE REPRESENTED BY NUMBERS.

WDP

APPROVALS

R AND D	E OF M
H.J.K.	<i>[Signature]</i>

E-NUMBER.

PROD. NO. 198248

DATE 6-29-63

FILE NO. 3-A15/116,219A

DRAWN. R.G.K. CHKD. *[Signature]*

ENG. R.D.S. APPD. *[Signature]*

TELETYPE CORPORATION

198248

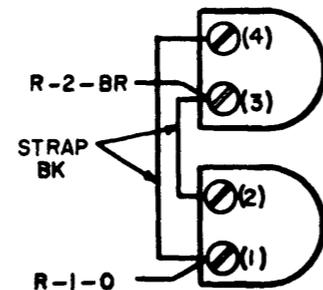
NOTES

1. WIRING LEGEND

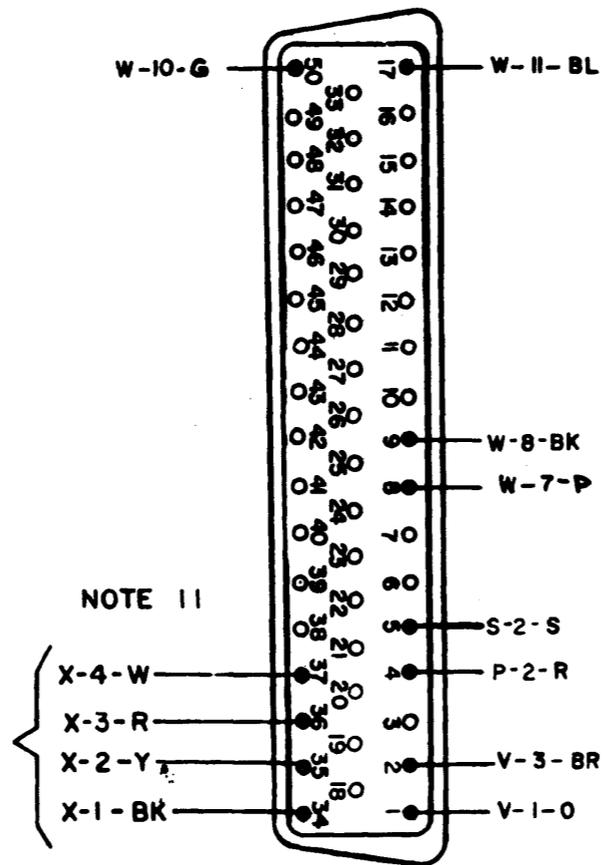
2. COLOR CODE

BK - BLACK	R - RED	O - ORANGE
BR - BROWN	Y - YELLOW	G - GREEN
BL - BLUE	P - PURPLE	W - WHITE
S - SLATE		
3. CONTACT VIEWED FROM SOLDER TERMINAL ENDS.
4. CONNECTOR VIEWED FROM BOTTOM.
5. NUMBERS AT TOP OF STUNT BOX CONTACTS REFER TO SLOT POSITION IN STUNT BOX.
6. FILLED CONTACT TERMINAL IN STUNT BOX REPRESENTS NORMALLY CLOSED CONTACT. UNFILLED CONTACT TERMINAL REPRESENTS NORMALLY OPEN CONTACT.
7. CONTACTS SHOWN IN UNOPERATED OR DEENERGIZED POSITION.
8. SELECTOR COIL IS WIRED FOR .500AMP OPERATION.
9. ASSOCIATED CABLE ASSEMBLIES:
 CABLE ASSEMBLY - 197045 (AREA R-W)
 CABLE ASSEMBLY - 192484 (AREA R-V)
 CABLE ASSEMBLY - 179718 (AREA R-X) LP840
10. TERMINAL DESIGNATION ENCLOSED IN PARENT-HESIS ARE FOR REFERENCE AND ARE NOT MARKED ON COMPONENT.
11. WIRING FOR LP 840 ONLY.

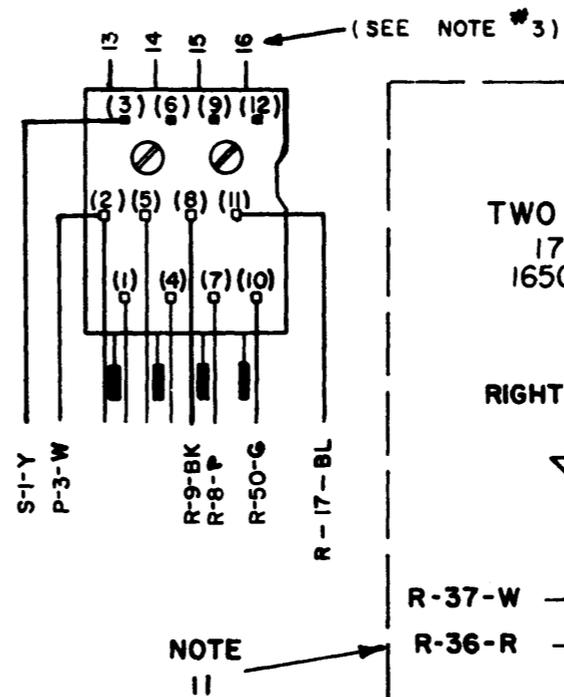
V
SELECTOR MAGNET
192570



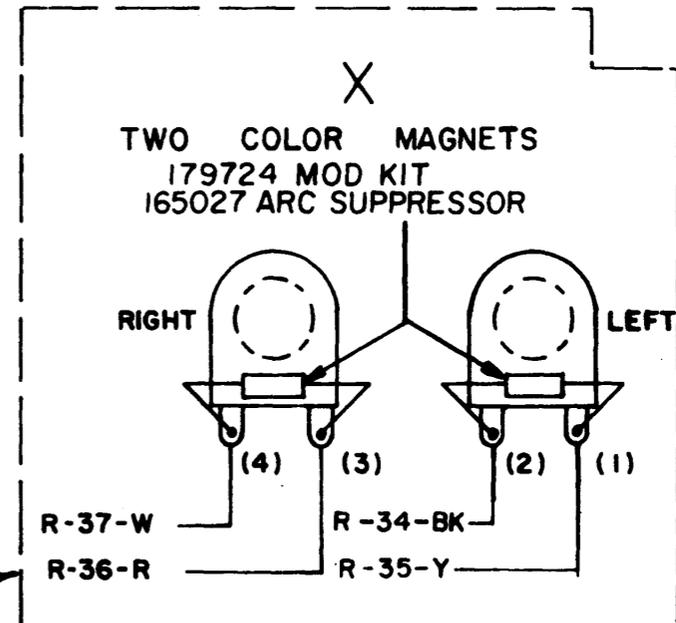
R
PRINTER CONNECTOR
192013 (SEE NOTE 2)



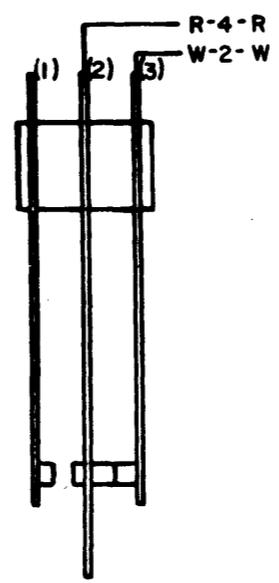
W
STUNT BOX CONTACTS
ARRANGEMENTS



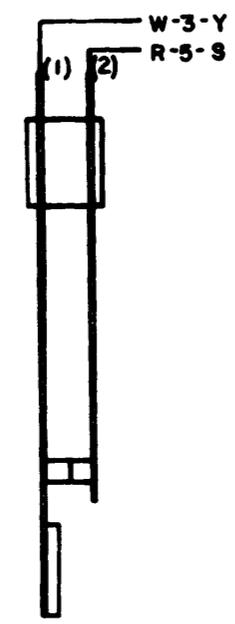
X
TWO COLOR MAGNETS
179724 MOD KIT
165027 ARC SUPPRESSOR



P
HOR TAB
CONTACTS
164478



S
VERT TAB
CONTACTS
163535



6044 WD

ISSUE	DATE	AUTH. NO.
A	10-29-63	77541
3	6-8-66	90985
4	3-6-67	92948

ACTUAL
WIRING DIAGRAM
FOR MODEL 35
TYPING UNIT
STUNT BOX ATK
(197034)
LP817-LP840

APPROVALS

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

E-NUMBER
PROD. NO. 6044 W.D.

DATE: 3-1-63

P.D. FILE NO. 1-30.151AA

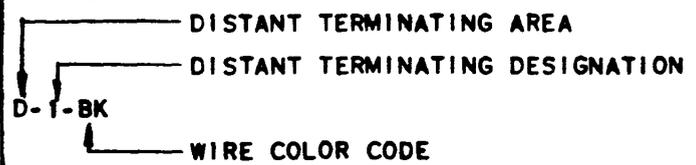
DRAWN M.K. CHKD
ENGD WEC APPD

TELETYPE
CORPORATION

6044 WD

REVISIONS

ISSUE	DATE	AUTH NO.
1	1-13-65	16174-R
2	5-5-65	87048
3	8-18-65	88121

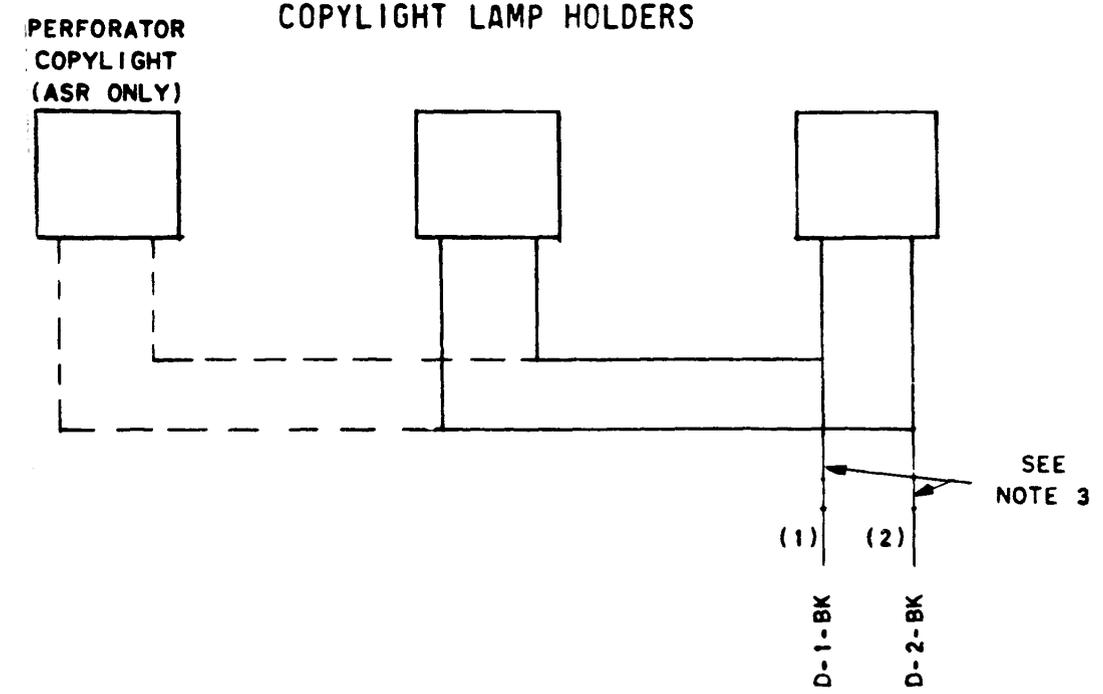
- NO. NOTES
- WIRING LEGEND:**


DISTANT TERMINATING AREA
 DISTANT TERMINATING DESIGNATION
 D-1-BK
 WIRE COLOR CODE
 - COLOR CODE:**

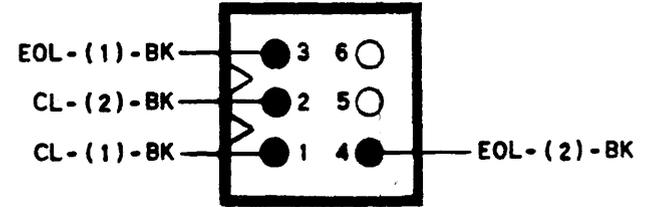
W - WHITE	R - RED
BK - BLACK	Y - YELLOW
BL - BLUE	S - SLATE
BR - BROWN	O - ORANGE
G - GREEN	P - PURPLE
 - ASSOCIATED CABLES:**

199346 ASSEMBLY (KSR)	199348 CABLE
	199323 CABLE (E.O.L.)
199347 ASSEMBLY (ASR)	199349 CABLE
	199323 CABLE (E.O.L.)
199354 ASSEMBLY (RO)	199348 CABLE
 - THE 199323 CABLE ASSEMBLY, E.O.L. LIGHT, IS NOT INCLUDED WITH THE 199354 ASSEMBLY, USED ON RECEIVING ONLY CABINET.
 - NUMBERS IN PARENTHESES ARE FOR REFERENCE ONLY AND ARE NOT MARKED ON COMPONENTS.
 - CONNECTORS VIEWED FROM WIRING SIDE.
 - SOME ELECTRICAL SERVICE UNITS USE A DIFFERENT AREA DESIGNATION. REFER TO APPLICABLE WD.

CL
COPYLIGHT LAMP HOLDERS

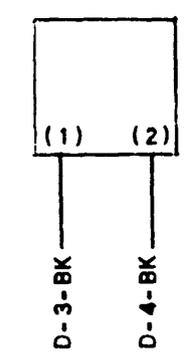


D
COPYLIGHT CONNECTOR PLUG (NOTE 7)



EOL

LAMP HOLDER (NOTE 4)



WDP

ACTUAL WIRING DIAGRAM FOR 199346, 199347 & 199354 COPYLIGHT BRACKET ASSEMBLY

APPROVALS

D AND R	E OF M
E-NUMBER	
PROD. NO. 7584WD	
DATE: 12-7-64	
P.D. FILE NO G-A151AA	
DRAWN D.D.G.	CHKD MB
ENGD F.G.H.	APPD

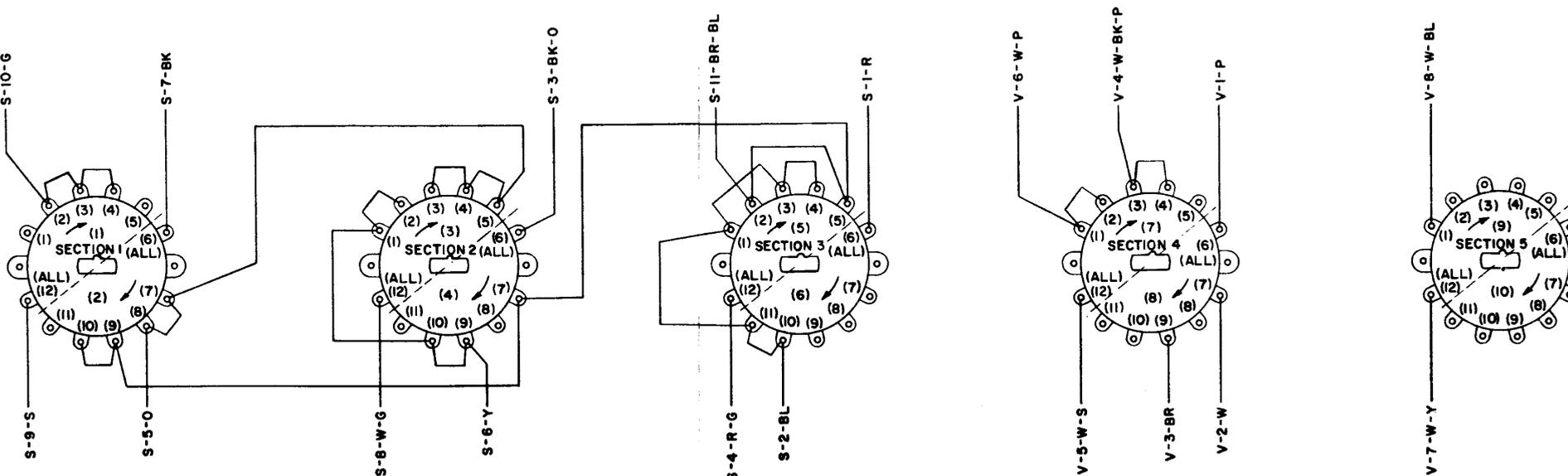
TELETYPE CORPORATION

7584 WD

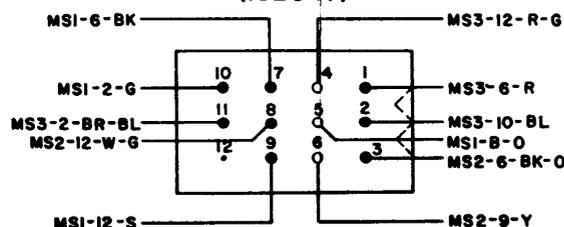
REVISIONS

ISSUE	DATE	AUTH. NO.
2	6-2-65	84501
3	10-11-65	88901
4	8-25-66	91480
5	2-16-67	93008

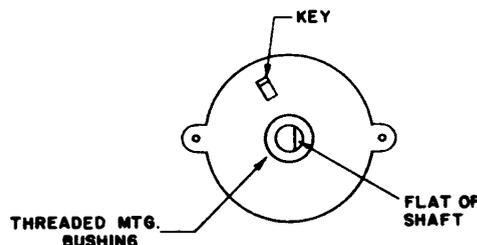
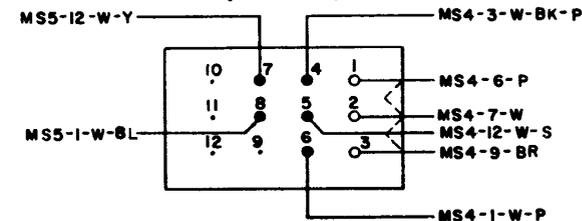
MS
MODE SWITCH (ROTARY)
(198253)



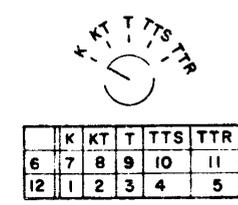
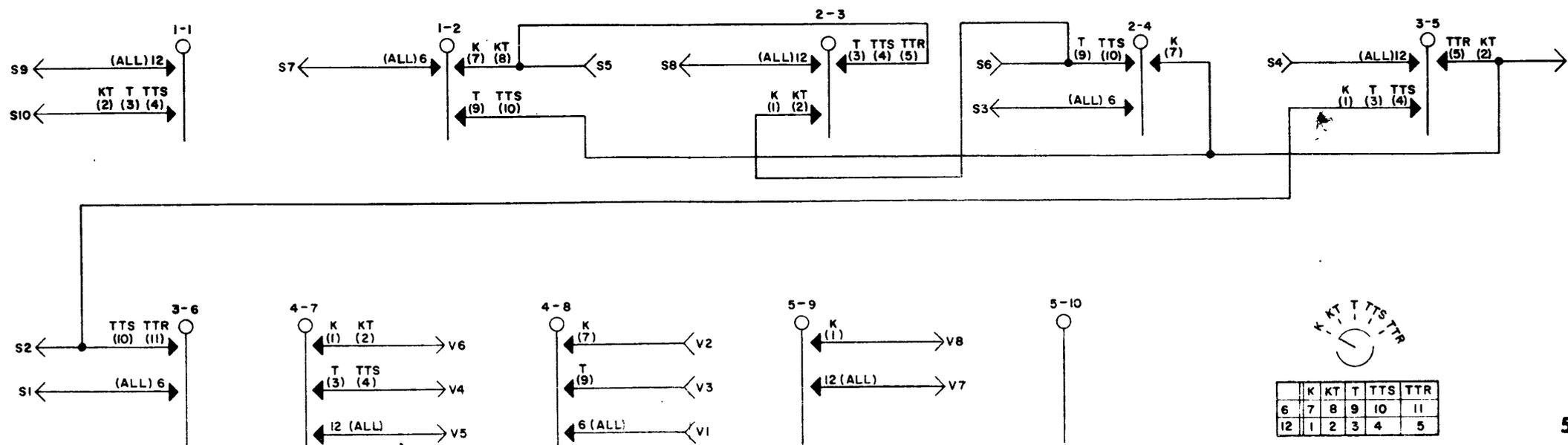
S
MODE SWITCH CONNECTOR
(182647)



V
MODE SWITCH CONNECTOR
(182647)



SCHMATIC



WIRING DIAGRAM
OF
MODE SWITCH ASSEMBLY
198242
FOR
MODEL 35 ASR SET USE

APPROVALS

D AND R E OF M

E-NUMBER

PROD. NO. 6903 WD

DATE 7-12-66

P.D. FILE NO. 2-A151.219A

DRAWN C.G. F.C.S. CHKD. *[Signature]*

ENGD. W.E.C. L.K.M. APPD. *[Signature]*

TELETYPE CORPORATION

NOTES

1. DISTANT TERMINATING AREA
DISTANT TERMINATING DESIGNATION
E-5-W
WIRE COLOR CODE

2. COLOR CODE

W	WHITE	BL	BLUE
BK	BLACK	BR	BROWN
O	ORANGE	P	PURPLE
Y	YELLOW	S	SLATE
G	GREEN	R	RED

3. * ASTERISK INDICATES 18GA. WIRE.

4. CONNECTORS AND SWITCHES ARE VIEWED FROM TERMINAL END.

5. ASSOCIATED CABLE-197055

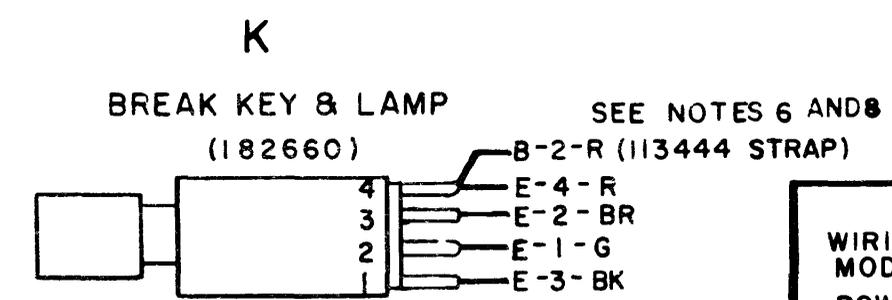
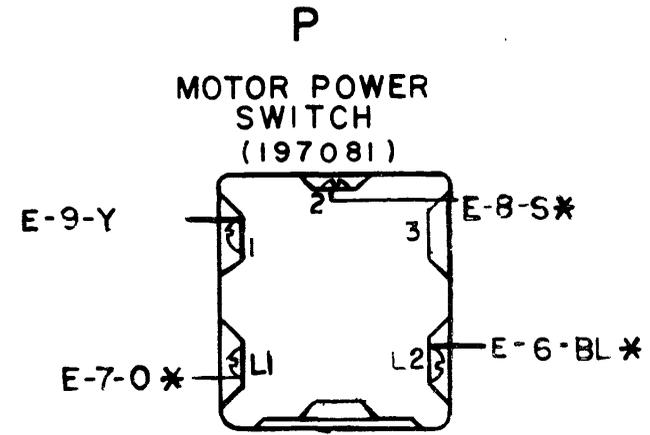
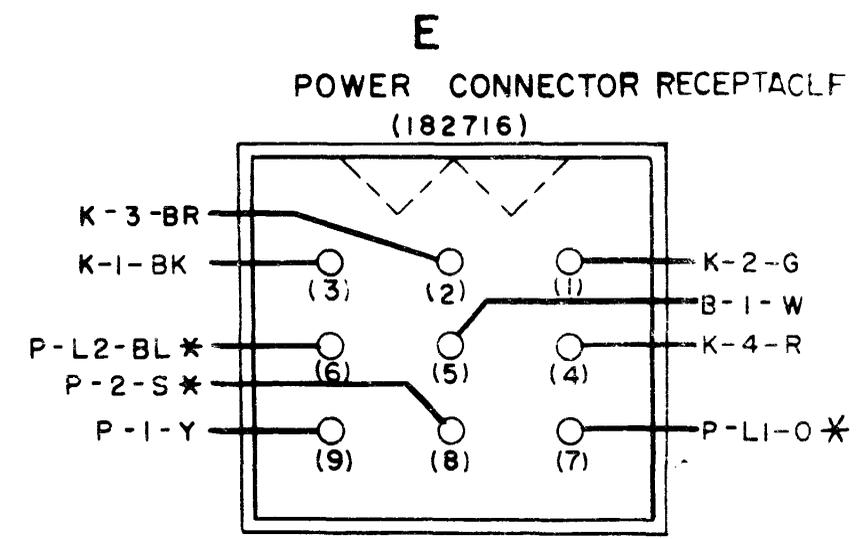
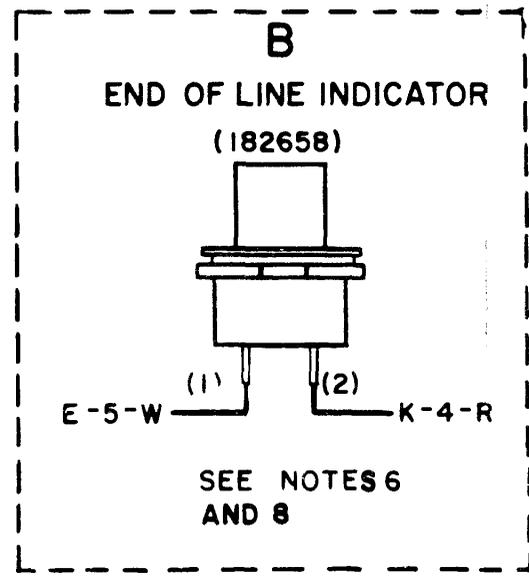
6. THE 195941 FOR RECEIVE ONLY SETS DOES NOT CONTAIN THE END OF LINE INDICATOR, THEREFORE, WIRING DOES NOT APPLY. TAPE THE E-5-W WIRE TO BODY OF CABLE.

7. NUMBERS IN PARENTHESIS ARE NOT SHOWN ON PART, BUT ARE USED FOR REFERENCE ONLY.

8. 199327 AND 199328 ARE USED IN NEW STYLE SETS WITH END OF LINE INDICATOR ON UPPER COVER. THEREFORE WIRING DOES NOT APPLY. TAPE THE E-5-W WIRE TO BODY OF CABLE.

6380 WD

ISSUE	DATE	AUTH NO.
A	2-20-64	80154
B	5-8-64	81828
3	4-6-65	86670
4	2-22-66	90356



WDP

ACTUAL WIRING DIAGRAM
MODEL 35
POWER PANEL ASSEMBLIES
195938, 195941
198204, 199327, -28

APPROVALS
D AND R E OF M

E-NUMBER
PROD. NO. 6380WD

DATE: 4-24-63
P.D. FILE NO 2-A151. 219A

DRAWN R.W.D. CHKD
ENGD W.E.C. APPD

TELETYPE CORPORATION

4 6380 WD

ISSUE CONTROL RECORD

2900 WD

REVISIONS APPLYING TO THIS CONTROL RECORD

ISSUE	DATE	AUTH. NO.
1	4-5-66	90628
2	9-21-66	91790
3	4-26-67	93975
4	5-26-67	94128-RC
5	2-27-68	95441
6	5-13-68	95859

NO. NOTES

SUPPORTING INFORMATION

CONTENTS

SHEET NO.

ISSUE

38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55

CATEGORY

NO.

1

X X X X X X

2

X X X X X X X

ISSUE CONTROL SHEET 1 OF 1

ACTUAL WIRING DIAGRAM FOR MODEL 28 & 35 MOTOR UNITS

WD NUMBER 2900 WD

DRAWN DGS CHKD. REH

ENGD. 8MB APPD.

TELETYPE CORPORATION

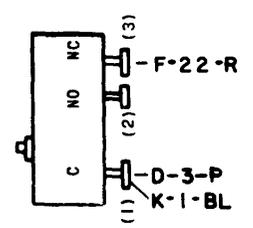
2900 WD

REVISIONS		
ISSUE	DATE	AUTH. NO.
A2	2-19-64	80153
B3	3-23-64	80166
B4	4-7-64	80159
5	6-25-64	82577
6	7-2-64	80159-1
7	8-13-64	83199
8	6-24-65	87329
9	8-16-66	91444
10	9-19-66	91848
11	11-23-66	91976-1
12	8-30-67	94468-D

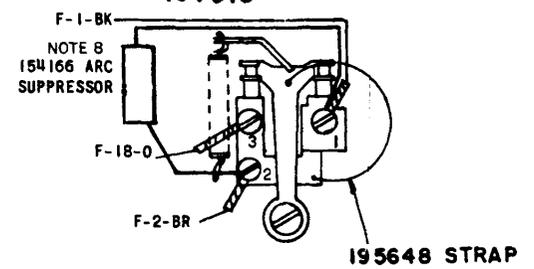
- NO NOTES
- WIRING LEGEND:
 - DISTANT TERMINATING AREA
 - DISTANT TERMINATING DESIGNATION
 - WIRE COLOR CODE
 - COLOR CODE:

BK-BLACK	W-WHITE
BL-BLUE	R-RED
BR-BROWN	O-ORANGE
P-PURPLE	S-SLATE
G-GREEN	Y-YELLOW
 - CONNECTOR VIEWED FROM BOTTOM.
 - *ASTERISKED DEMOTES 18 GA. WIRE.
 - ASSOCIATED CABLE:
 - 198217 CABLE ASSEMBLY
 - NUMBERS IN PARENTHESIS ARE NOT MARKED ON COMPONENTS.
 - REFER TO SPEC. 6932S AND 60,869S FOR DETAILED DESCRIPTION AND THEORY OF OPERATION.
 - THE 154166 ARC SUPPRESSOR MUST BE DISCONNECTED IN SYSTEMS THAT EMPLOY THE 312325 OR 323609 REGENERATOR CARDS.

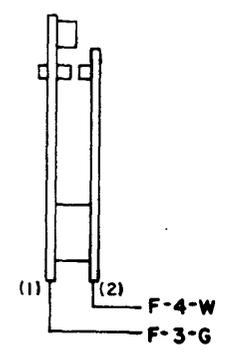
A
MARGIN INDICATOR SWITCH
155954



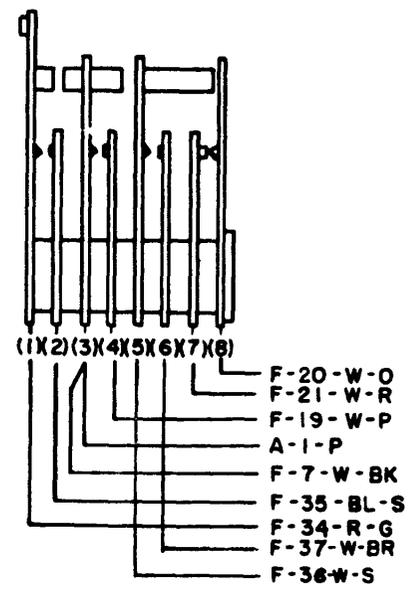
B
CONTACT BOX ASSEMBLY
197019



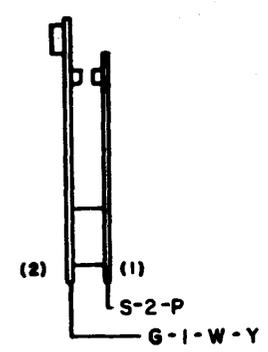
C
TIMING CONTACT



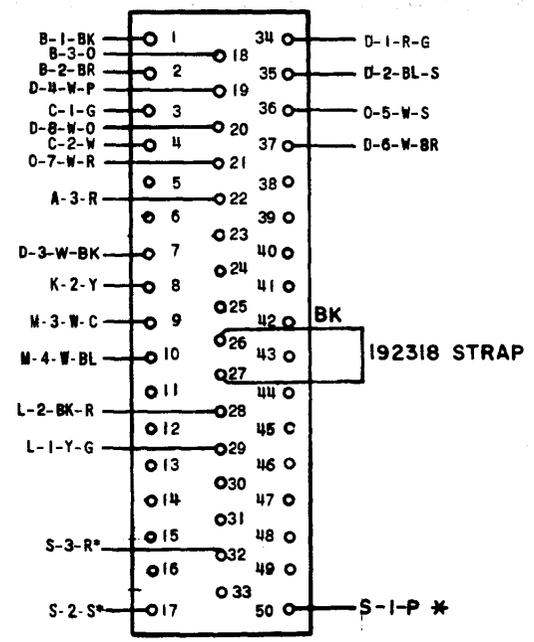
D
RECEIVE BREAK SWITCH



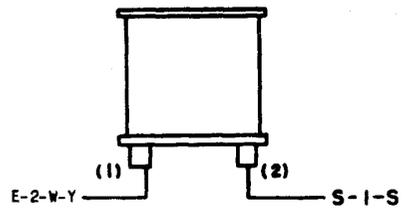
E
BACKSPACE CONTACT



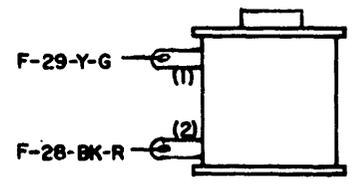
F
KEYBOARD CONNECTOR
192013



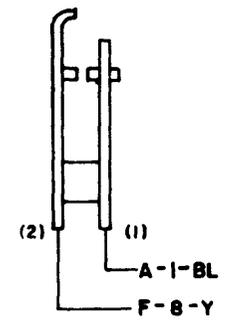
G
BACKSPACE MAGNET
(ON REPERFORATOR)



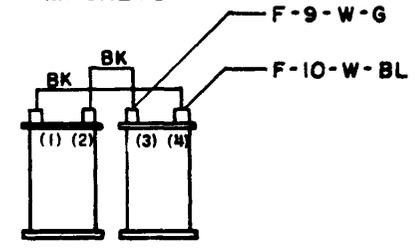
L
CHARACTER COUNTER SUPPRESS COIL



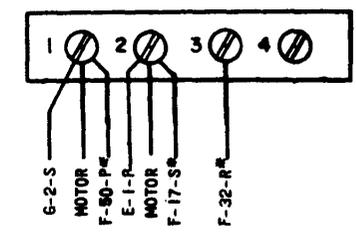
K
END OF LINE INDICATOR SWITCH



M
REPERFORATOR SELECTOR MAGNETS



S
MOTOR TERMINAL BLOCK
151415



ACTUAL WIRING DIAGRAM FOR MODEL 35 KEYBOARD LAK806, 810, 821

APPROVALS

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

E-NUMBER

PROD. NO. 6395WD

DATE

P.D. FILE NO. 1-18. 151AA

DRAWN

CHKD.

ENGD. V.E.C.

APPD.

TELETYPE CORPORATION

WIRING DIAGRAM PACKAGE FOR VSL355 MODEL 35 ASR SET - PRIVATE LINE, 50 CPS

WDP0028

DRAWING NO.	SHEET NO.	DESCRIPTION	ISSUE NUMBER																														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
6384WD	1	SCHEMATIC FOR VSL355	11	12	12	12	12	12	12	13	13	13	13	13	14	14	15	15	15	15													
6384WD	2	SCHEMATIC FOR VSL355	11	11	11	11	11	11	11	11	11	11	11	11	11	12	12	12	12														
6384WD	3	SCHEMATIC FOR VSL355	11	11	11	12	13	13	13	13	13	13	13	13	14	14	15	15	15	15													
6384WD	4	SCHEMATIC FOR VSL355	11	11	11	11	11	11	11	11	11	11	11	11	11	12	12	12	12														
8127WD	-	SCHEMATIC/ACTUAL FOR LCXB812	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2														
6394WD	1	ISSUE CONTROL SHEET		3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	5													
6394WD	1	ACTUAL FOR LESU313	10	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12														
6394WD	2	ACTUAL FOR LESU313	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10													
6394WD	3	ACTUAL FOR LESU313	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10													
6395WD	-	ACTUAL FOR LAK821	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	13	14													
2900WD	1	ACTUAL FOR LMU38	42	42	42	42	42	43	43	43	43	43	43	43	43	44	44	45	45	45													
5814WD	-	ACTUAL FOR LXD804	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19														
5983WD	-	ACTUAL 305675 SMD	6	6	6	6	6	6	6	7	7	7	8	8	8	8	8	8	8														
6380WD	-	ACTUAL 199327 POWER PANEL	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4														
6903WD	-	ACTUAL 198242 MODE SWITCH	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5														
7584WD	-	ACTUAL LAAC300	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3														
6043WD	-	ACTUAL LP813	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1														
182630	-	CIRCUIT CARD DRAWING	14	14	14	14	14	14	14	14	14	15	16	16	17	17	17	17	17	17													
198248	-	CIRCUIT CARD DRAWING	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5												

TELETYPE CORPORATION

18377-R

NOTE : THE LAST COMPLETED COLUMN INDICATES THE LATEST ISSUE NUMBER OF WDP.

SHEET 1 OF 1

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

FS-1 LINE CIRCUIT

REVISIONS		
ISSUE	DATE	AUTH. NO.
2	10-9-63	77540
3	1-23-64	79298
4	6-17-61	82025
5	6-25-64	82531
6	9-9-64	83617
7	12-11-64	84597
8	1-5-65	84060
9	12-11-65	89017
10	8-2-66	91499-RC
11	5-3-67	93297
12	5-23-67	94063
13	5-6-68	95624-1
14	1-2-69	96495
15	2-17-69	96777

NOTES	
NUMBER	UNIT
2900WD	MOTOR UNIT LMU-3-LMU38(VSL355 ONLY)
4348WD	LCXB 806
5814WD	LXD
5983WD	SMD 193405-50-60 CPS (NOTE 6)
5984WD	LPR
6043WD	LP FRICTION FEED
OR	
6044WD	LP SPROCKET FEED
6380WD	POWER PANEL
6394WD	LESU 313
6395WD	LAK
6903WD	198242 SWITCH PANEL
7442WD	318999 RELAY RACK
7584WD	COPY LIGHT
182630	CIRCUIT CARD-SMD
198248	AUX. POWER CARD
8127WD	LCXB 812 (VSL355 ONLY)
8834WD	LP FRICTION FEED
8835WD	LP SPROCKET FEED

- S MOTOR TERM. BLK.-LAK.
- T POWER & SIG. LINE TERM. BLK.-LESU
- C WIRING FIELD TERMINAL BLK.
- M D MOTOR CONNECTOR TRANS. DIST.
- G POWER TERM. BLK.-RELAY RACK
- F KEYBOARD CONNECTOR
- R PRINTER CONNECTOR
- E POWER PANEL CONNECTOR
- U TRANS. DIST. CONNECTOR
- S MODE SWITCH CONNECTOR
- V MODE SWITCH CONNECTOR
- B C LPR PRINT SUPPRESS CONNECTOR
- D COPY LAMP CONNECTOR (B)
- P Y COPY LAMP CONNECTOR (A)

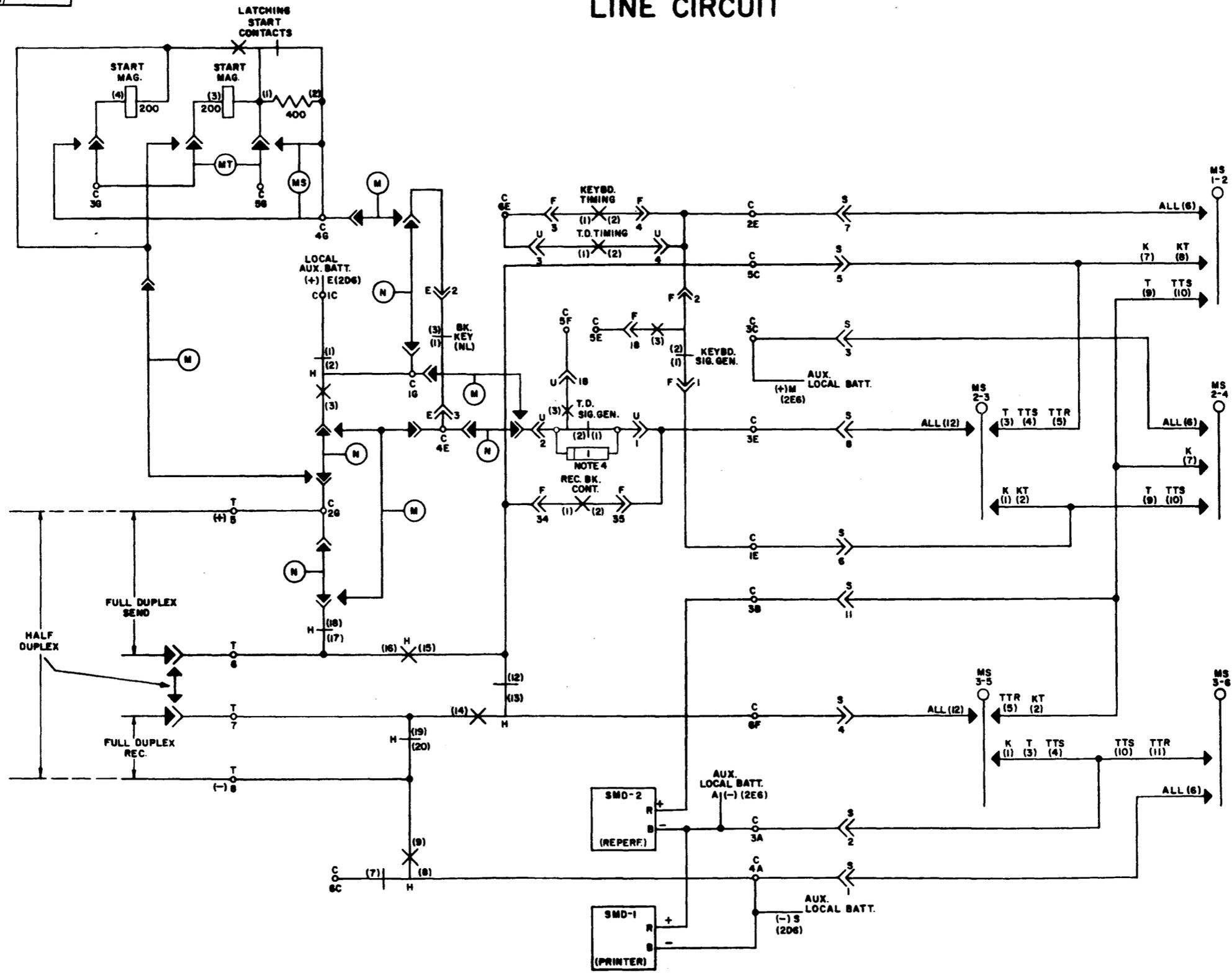
- OPTIONS:
- (T) 20 MA LINE
 - (S) 60 MA LINE
 - (MT) MOTOR CONTROL-20 MA LINE
 - (MS) MOTOR CONTROL-60 MA LINE
 - (A) WIRING FOR SETS HAVING EOL LAMP ADJACENT TO KEYBOARD.
 - (B) WIRING FOR SETS HAVING EOL LAMP ON UPPER COVER.
 - (N) NORMAL- NOT EQUIPPED WITH MOTOR CONTROL.
 - (M) MOTOR CONTROL

NETWORK	PART NO.	R (OHMS)	C (MFD.)
1	154166	470	.10
2	178535	470	.13

5. 312350 DATA SET COUPLER MODIFICATION KIT MAY BE INSTALLED ON THIS SET. THIS KIT IS NOT COMPATIBLE WITH ELECTRICAL MOTOR CONTROL OPTIONS MT OR MS.

6. SOME UNITS CONTAIN 305675 SMD.

NOTES CONTINUED ON ISSUE CONTROL RECORD



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

SHEET 1

SCHEMATIC WIRING DIAGRAM FOR MODEL 35 ASR SETS 35 AR, 35 AS, VSL 327, VCL 339, VCL 351, 379 & 389 VSL 355 (VCL 401) (VCL 827) VCL 319

APPROVALS

D AND R	E OF M
<i>HAK</i>	<i>[Signature]</i>

E-NUMBER
 PROD. NO. 6384 WD
 DATE 6-24-66
 P.D. FILE NO. G-A151AA
 DRAWN F.C.S. CHKD.
 ENGD. APPD.

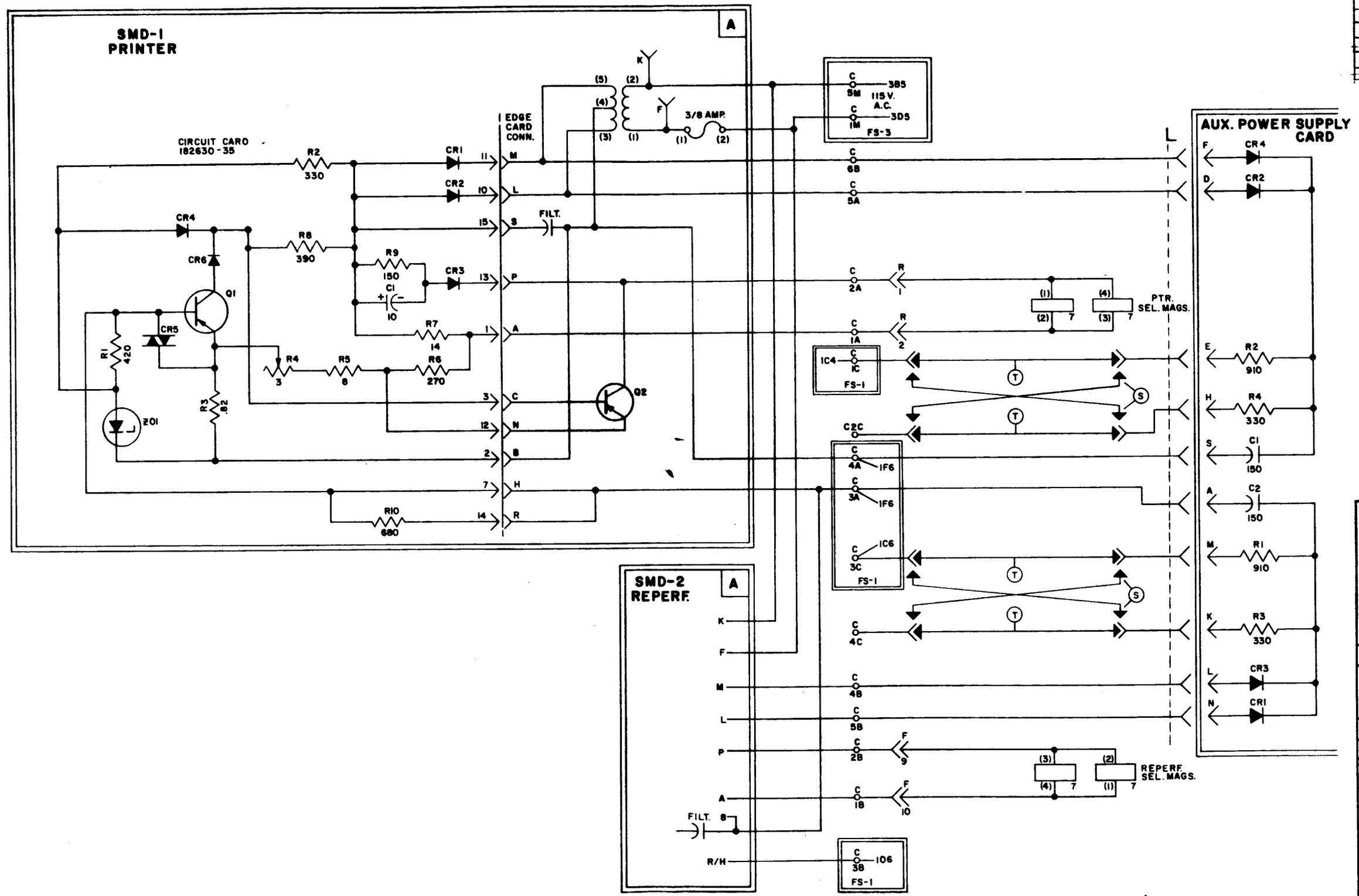
FS-2

SELECTOR MAG. DRIVERS

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

6384 WD

REVISIONS		
ISSUE	DATE	AUTH. NO.
2	10-9-63	77540
3	1-23-64	79298
4	6-17-64	82025
5	6-25-64	82531
6	9-9-64	83617
7	12-11-64	84597
8	1-5-65	84060
9	12-11-65	89017
10	8-2-66	91409-RC
11	5-3-67	93297
12	2-17-69	96777



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

SHEET 2

SCHEMATIC
WIRING DIAGRAM
FOR
MODEL 35 ASR SET
35AR, 35AS, VSL 327, VCL 339,
VCL 351, 379 & 389
VSL 355
(VCL 401XVCL827)
VCL 319

APPROVALS

D AND R <i>AK</i>	E OF M <i>S</i>
----------------------	--------------------

E-NUMBER
PROD. NO. 6384 WD

DATE 6-29-66
P.D. FILE NO. G-A151AA

DRAWN F.C.S.	CHKD.
ENGD.	APPB.

TELETYPE CORPORATION

6384 WD

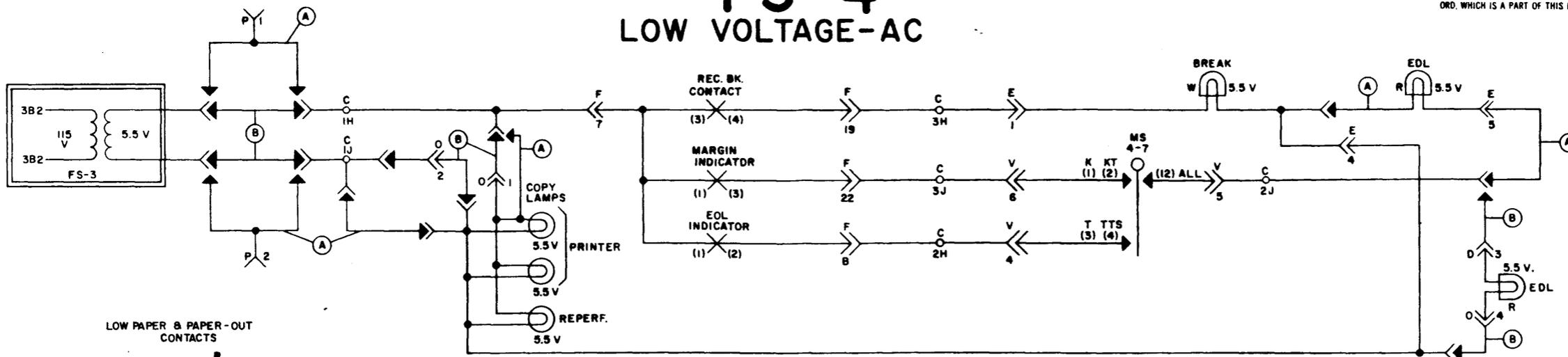
FS-4 LOW VOLTAGE-AC

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

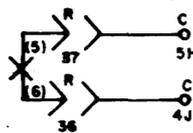
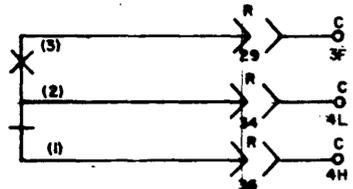
6384WD

REVISIONS

ISSUE	DATE	AUTH. NO.
2	10-9-63	77540
3	1-23-64	79298
4	6-17-64	82025
5	6-25-64	82531
6	9-9-64	83617
7	12-11-65	84597
8	1-5-65	84060
9	12-11-65	89017
10	8-2-66	91499-RC
11	5-3-67	98297
12	2-17-69	96777

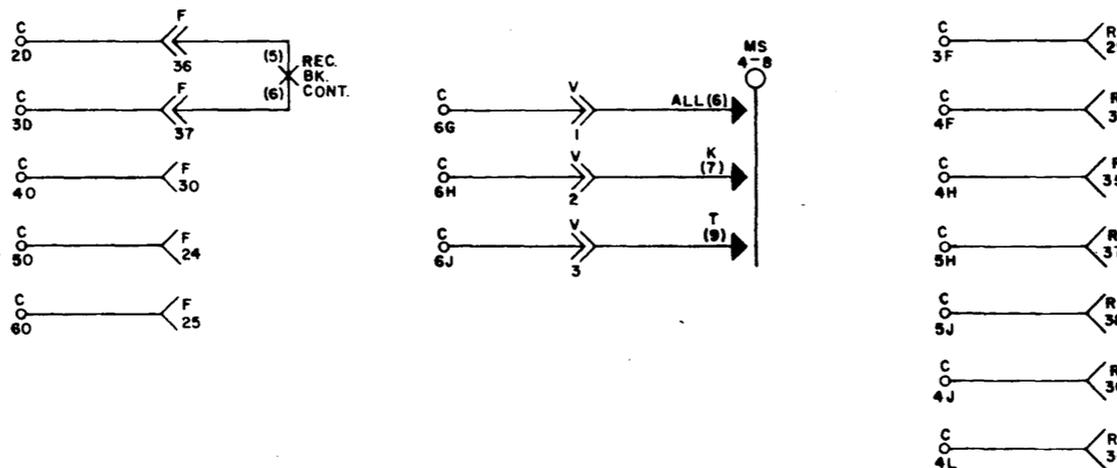


LOW PAPER & PAPER-OUT CONTACTS

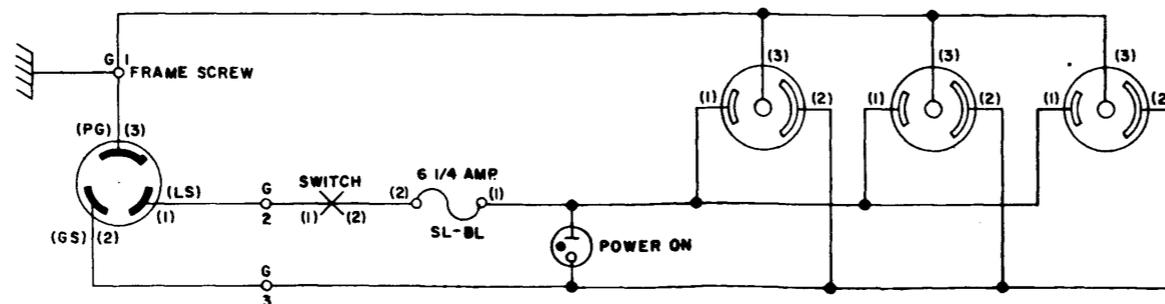


NOTES
8 & 9

FS-5 WIRED SPARE EQUIPMENT



FS-6 RELAY RACK ASSEMBLY (VCL389)



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

SHEET 4

SCHEMATIC
WIRING DIAGRAM
FOR
MODEL 35 ASR SETS
35AR, 35AS, VCL327, VCL339,
VCL351, 379, & 369
VSL355
(VCL401) (VCL827)
VCL319

APPROVALS

D AND R

E OF M

E-NUMBER

PROD. NO. 6384WD

DATE 7-5-66

P.D. FILE NO. G-A151AA

DRAWN F. C. S.

CHKD.

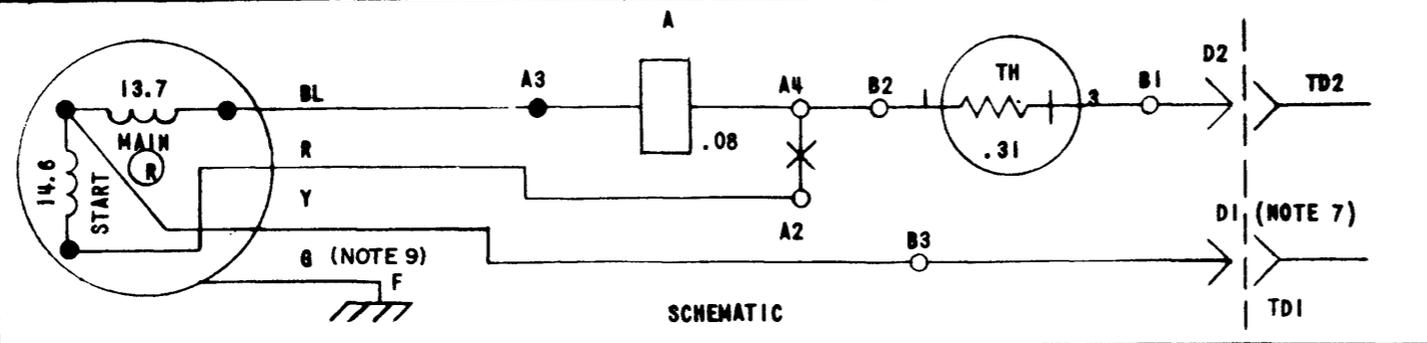
ENGD.

APPD.

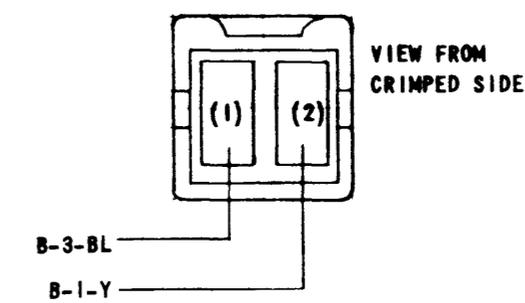
TELETYPE
CORPORATION

6384WD

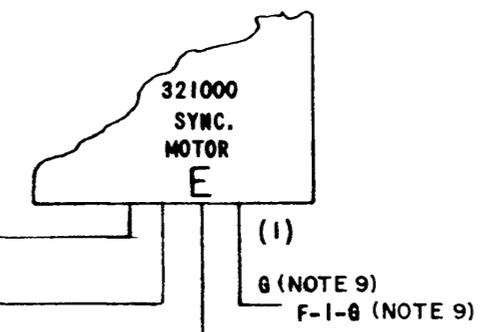
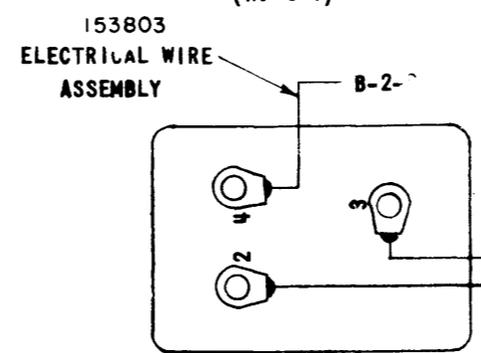
- NO. NOTES
1. WIRING LEGEND:
DISTANT TERMINATING AREA
DISTANT TERMINATING DESIGNATION
MHG-3-W-BL
WIRE COLOR CODE
 2. COLOR CODE:
BK - BLACK R - RED
BL - BLUE P - PURPLE
BR - BROWN G - GREEN
O - ORANGE W - WHITE
Y - YELLOW S - SLATE
G-Y GREEN-YELLOW
 3. TERMINALS DESIGNATED IN PARENTHESIS ARE NOT MARKED ON COMPONENTS.
 4. QUICK CONNECT TERMINAL CONNECTIONS. COVER WITH 2-1/2 INCH LENGTH OF 60358RM VINYL TUBING.
 5. USE 115V AC $\pm 10\%$, 50 $\pm .75\%$ Hz POWER SUPPLY.
 6. FOR TELETYPE CORPORATION EMPLOYEES ONLY SEE SPEC. NO. 60,686S.
 7. PIN NUMBERS OF 195863 RECEPTACLE PART OF 193468 CABLE ASSEMBLY.
 8. ALL RESISTANCE VALUES IN OHMS UNLESS OTHERWISE SPECIFIED.
 9. GREEN WIRE MAY BE GREEN-YELLOW ON SOME UNITS.



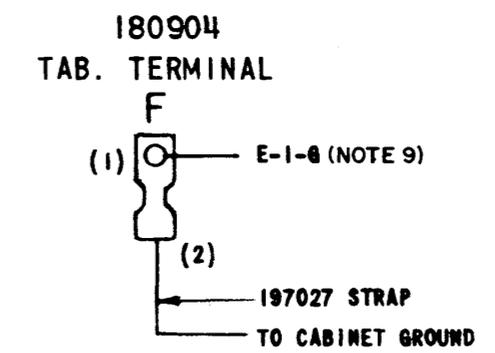
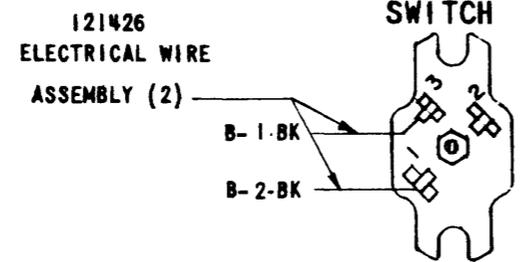
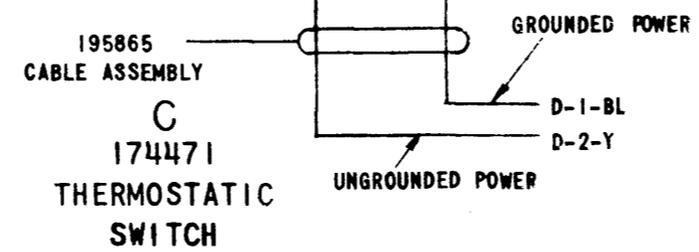
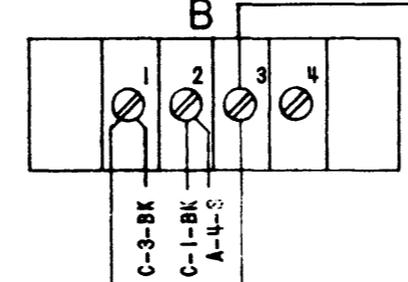
195862
CONNECTOR, PLUG
2 PIN
D



A
321077
RELAY, MOTOR STARTING
(NOTE 4)



151415
TERMINAL BLOCK
B



8127 WD

REVISIONS		
ISSUE	DATE	AUTH. NO.
1	12-19-66	18144-R
2	4-11-68	95694 RC

WDP

ACTUAL & SCHEMATIC
WIRING DIAGRAM
FOR
LCX8812
TRANSMITTER BASE

APPROVALS	
D AND R	E OF M
<i>[Signature]</i>	<i>[Signature]</i>
E-NUMBER	
PROD. NO. 8127WD	
DATE 8-18-66	
P.D. FILE NO. 1-64.151-219A	
DRAWN JL	CHKD. [Signature]
ENGD. BMS	APPD. [Signature]

TELETYPE
CORPORATION

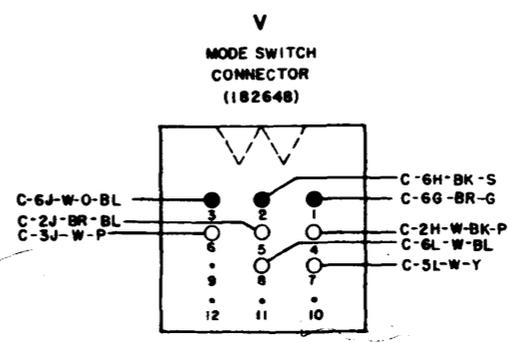
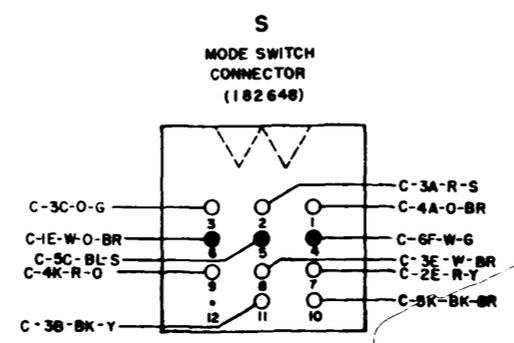
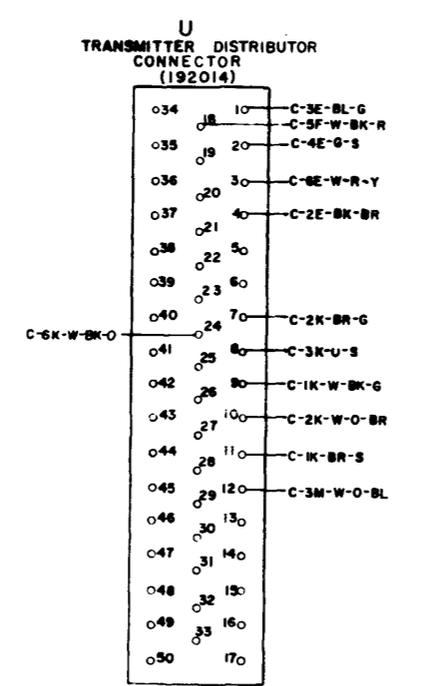
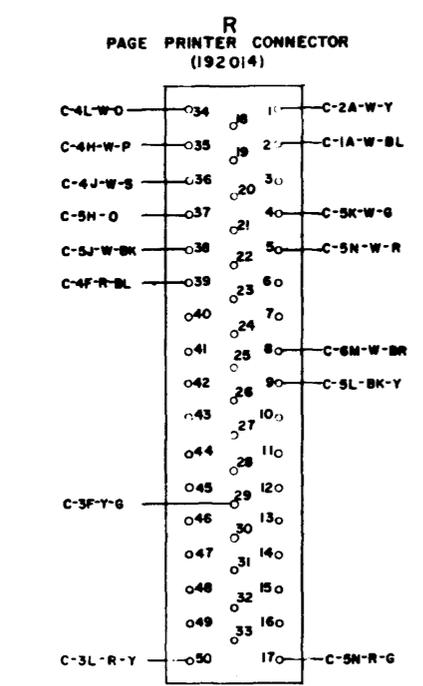
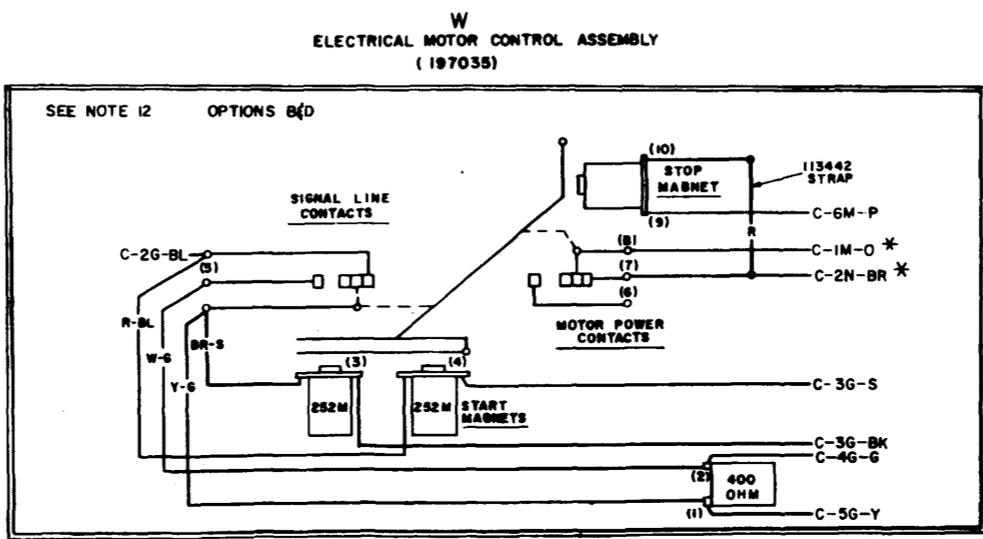
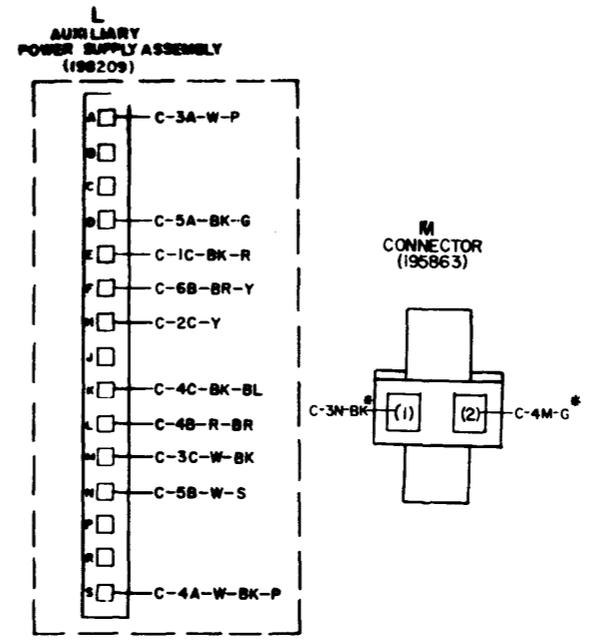
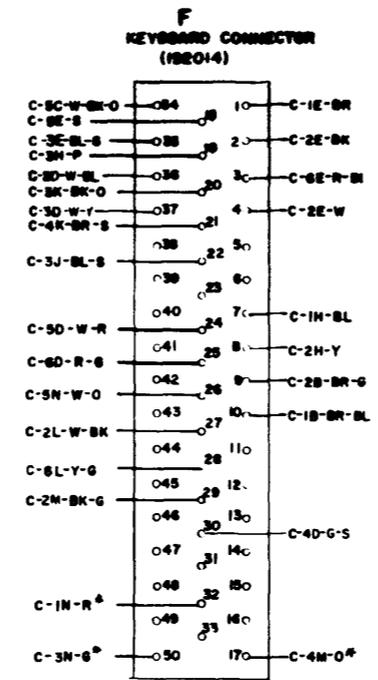
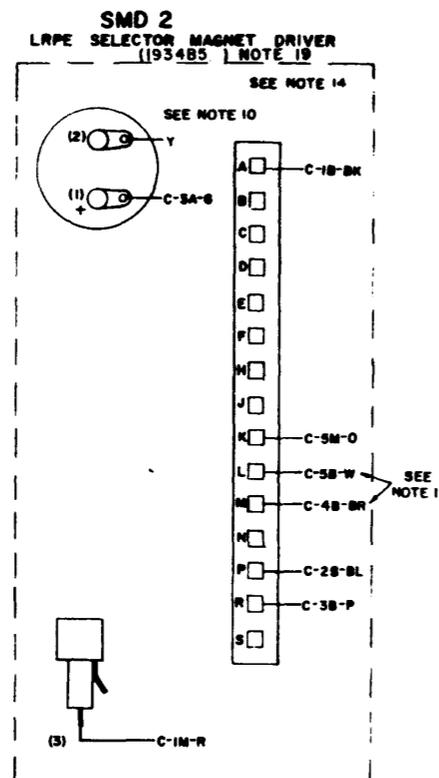
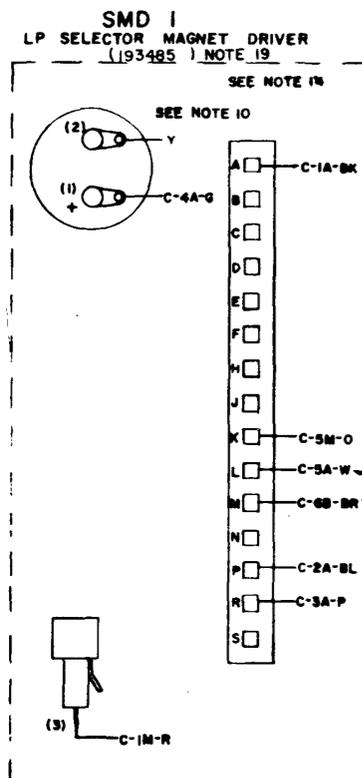
8127WD

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

6394 WD

REVISIONS

ISSUE	DATE	AUTH. NO.
A 2	10-7-63	77538
B 3	1-23-64	79298
E 4	4-6-64	80159
5	6-12-64	82025
6	7-2-64	80159-1
7	9-9-64	83617
8	12-11-64	84597
9	11-25-66	91080
10	5-26-67	94063
11	5-26-67	93296
12	5-6-68	95524-1



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

SHEET 1

ACTUAL
WIRING DIAGRAM
FOR
ELECTRICAL SERVICE UNIT
LESU313 FOR
MODEL 35
PRIVATE LINE
ASR SET

APPROVALS

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

E-NUMBER

PROD. NO. 6394WD

DATE 6-13-63

R.D. FILE NO. 1-150.151AA

DRAWN

CHKD. J.G.M.

ENGD. W.E.C.

APPD. B.G.G.

TELETYPE
CORPORATION

6394 WD

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

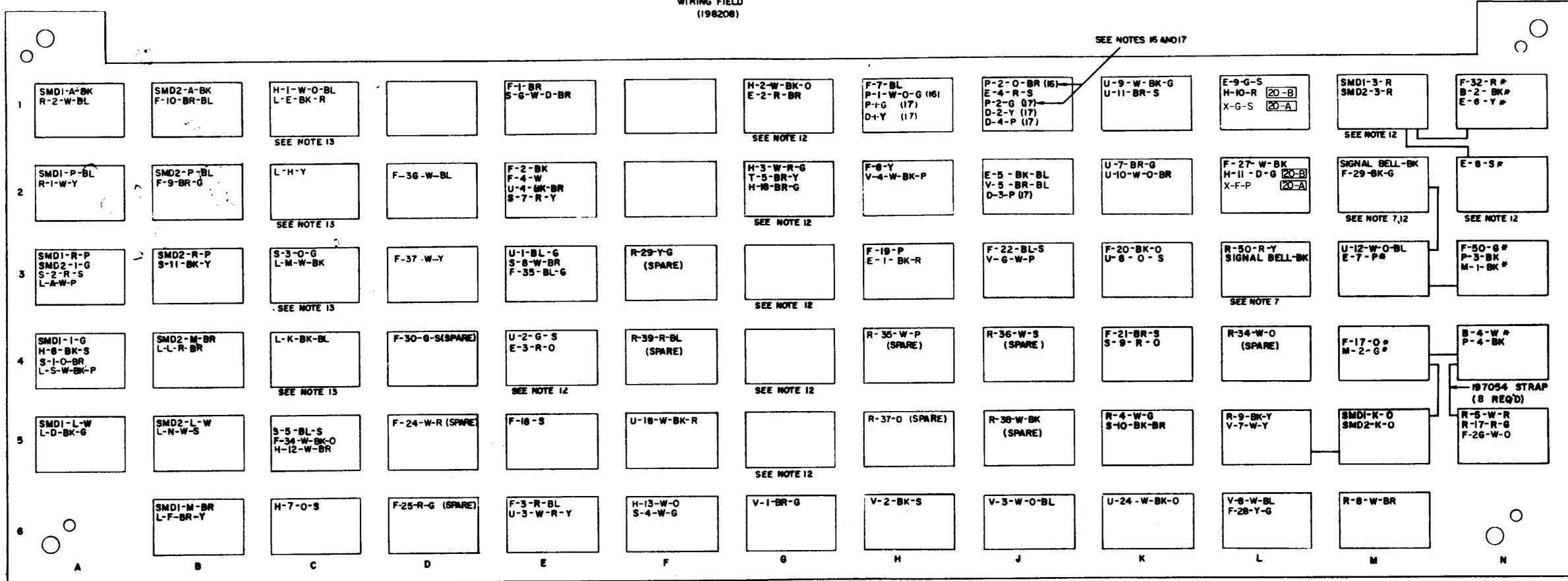
6394WD

REVISIONS

ISSUE	DATE	AUTH. NO.
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B 3	1-23-64	79298
E 4	4-6-64	80159
5	6-12-64	82025
6	7-2-64	80159-1
7	9-9-64	83617
8	12-11-64	84597
9	11-25-66	91080
10	1-2-69	96495

C
WIRING FIELD
(198208)

SEE NOTES 15 AND 17



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

SHEET 2

ACTUAL
WIRING DIAGRAM
FOR
ELECTRICAL SERVICE UNIT
LESU313 FOR
MODEL 35
PRIVATE LINE
ASR SET

APPROVALS

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

E-NUMBER	
PROD. NO.	6394WD
DATE	6-13-63
P.D. FILE NO.	1-159.151AA
DRAWN	CHKD. J.G.M.
ENGD. W.E.C.	APPD. B.G.G.

TELETYPE
CORPORATION

6394WD

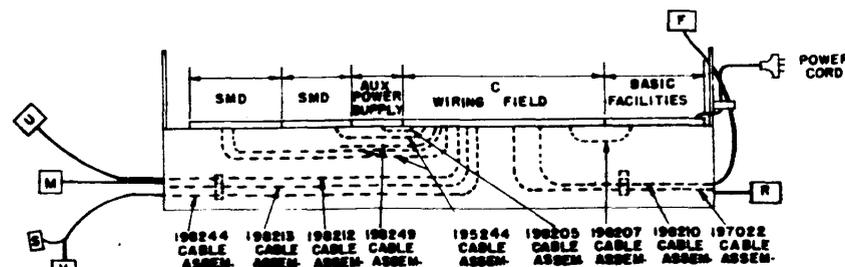
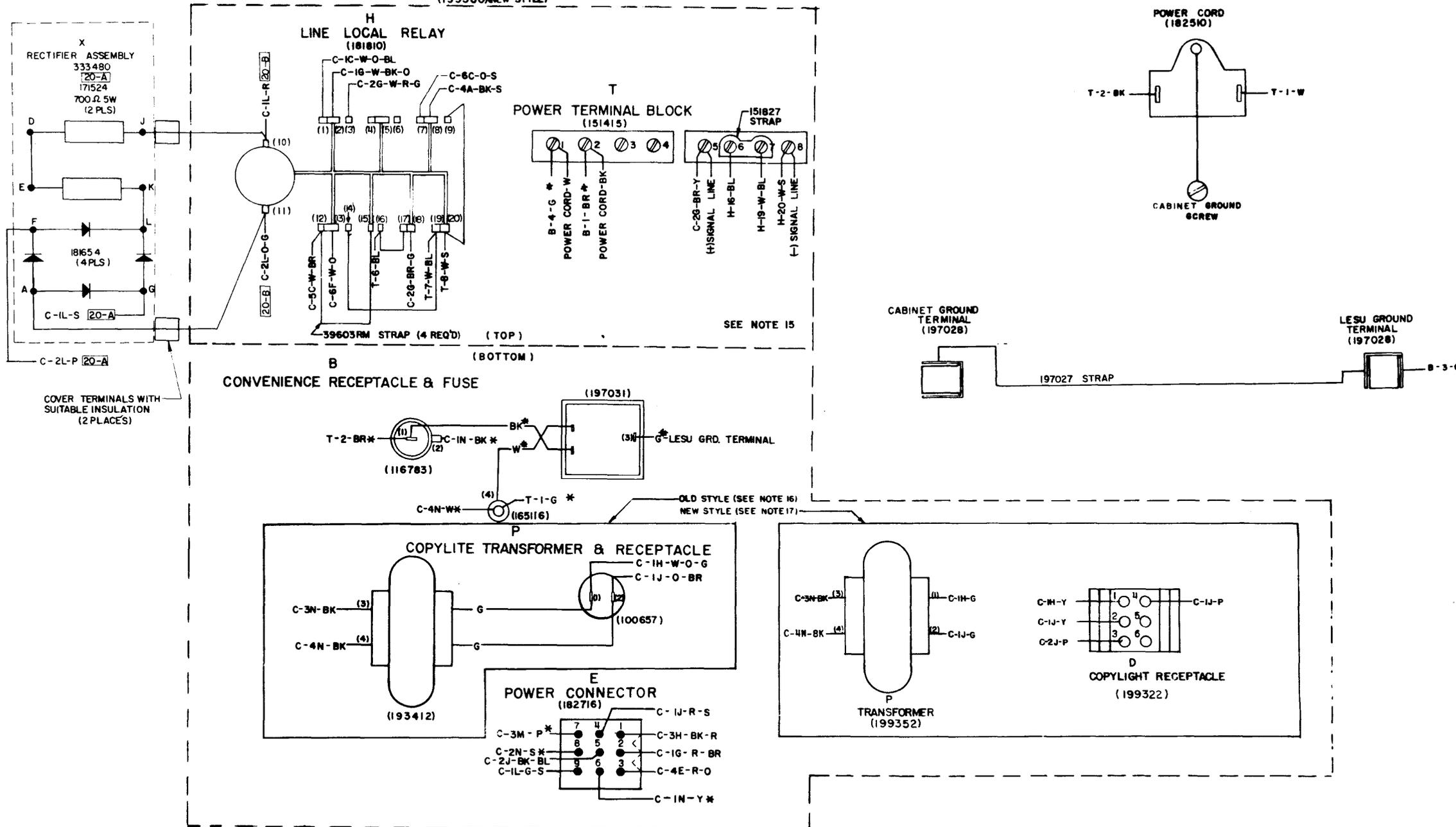
NOTE:
REVISION INFORMATION MUST ALSO BE REFLECTED ON THE ISSUE CONTROL RECORD, WHICH IS A PART OF THIS DRAWING.

6394WD

BASIC FACILITIES ASSEMBLY
(197024)OLD STYLE
(199360)NEW STYLE

REVISIONS

ISSUE	DATE	AUTH. NO.
A 2	10-7-63	77538
B 3	1-23-64	79298
C 4	4-6-64	80159
5	6-12-64	82025
6	7-2-64	80159-1
7	9-9-64	83617
8	12-11-64	84597
9	11-25-66	91080
10	1-2-69	96495



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

SHEET 3

ACTUAL WIRING DIAGRAM FOR ELECTRICAL SERVICE UNIT LESU313 FDR MODEL 35 PRIVATE LINE ASR SET

APPROVALS

D AND R *[Signature]* E OF M *[Signature]*

E-NUMBER
PROD. NO. 6394WD
DATE 6-13-63
P.D. FILE NO. 1-159.151AA
DRAWN
ENGD. W.E.C. APPD. B.G.G.

TELETYPE CORPORATION

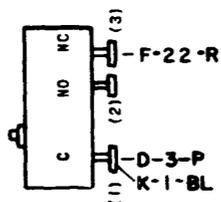
6394WD

REVISIONS

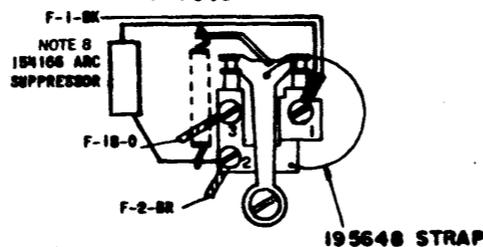
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B4	4-7-64	80159
5	6-25-64	82877
6	7-2-64	80159-1
7	8-13-64	83199
8	6-24-65	87329
9	8-16-66	91444
10	9-19-66	91848
11	11-23-66	91976-1
12	8-30-67	94468-D
13	12-5-69	99944-RC
14	8-27-70	770

- NO NOTES
- WIRING LEGEND:
 DISTANT TERMINATING AREA
 DISTANT TERMINATING DESIGNATION
 A-1-BK WIRE COLOR CODE
 - COLOR CODE:
 BK-BLACK W-WHITE
 BL-BLUE R-RED
 BR-BROWN D-ORANGE
 P-PURPLE S-SLATE
 G-GREEN Y-YELLOW
 - CONNECTOR VIEWED FROM BOTTOM.
 - *ASTERISKEO DENOTES 18 GA. WIRE.
 - ASSOCIATED CABLE:
 198217 CABLE ASSEMBLY
 - NUMBERS IN PARENTHESIS ARE NOT MARKED ON COMPONENTS.
 - REFER TO SPEC. 60325 AND 60,0005 FOR DETAILED DESCRIPTION AND THEORY OF OPERATION.
 - THE 15466 ARC SUPPRESSOR MUST BE DISCONNECTED IN SYSTEMS THAT EMPLOY THE 312325 OR 323609 REGENERATOR CARDS.
 - ASSOCIATED SCHEMATICS 6394WD AND 7804WD
 - ALL CONTACTS SHOWN IN UNOPERATED POSITION.
 - 324010 TIMING CONTACT USED IN CONJUNCTION WITH A SIGNAL REGENERATOR ASSEMBLY.
 - THIS WD SUPERSEDES 7827 WD.

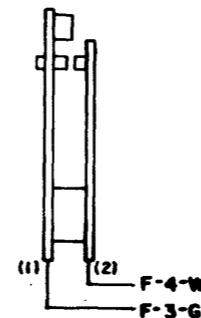
A
MARGIN INDICATOR SWITCH
153954



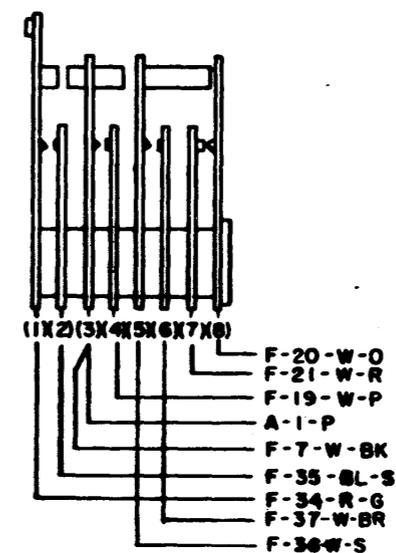
B
CONTACT BOX ASSEMBLY
197019



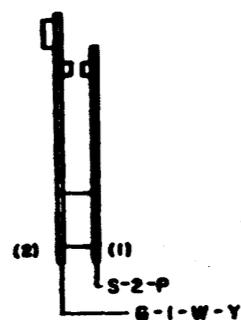
C
TIMING CONTACT
NOTE 11



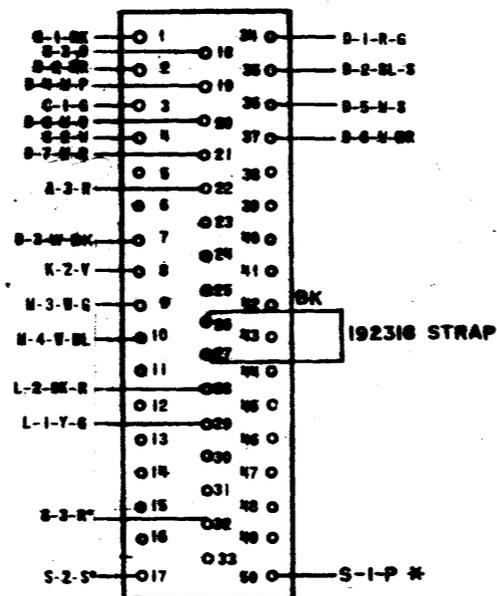
D
RECEIVE BREAK SWITCH



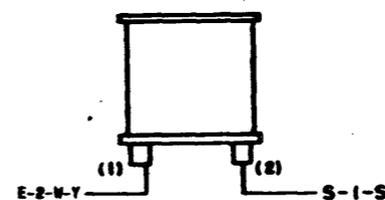
E
BACKSPACE CONTACT



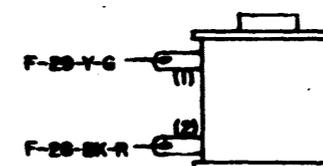
F
KEYBOARD CONNECTOR
192013



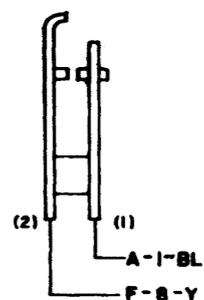
G
BACKSPACE MAGNET
(ON REPERFORATOR)



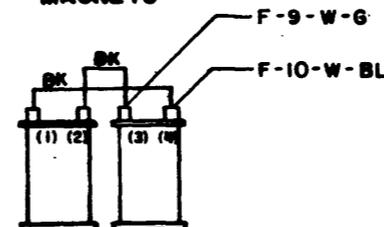
L
CHARACTER COUNTER SUPPRESS COIL



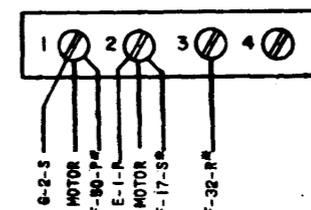
K
END OF LINE INDICATOR SWITCH



M
REPERFORATOR SELECTOR MAGNETS



S
MOTOR TERMINAL BLOCK
151415



ACTUAL
WIRING DIAGRAM
FOR
MODEL 35
KEYBOARD
LAK806, 810, 821, 814

APPROVALS

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

E-NUMBER

PROD. NO. 6395WD

DATE

P.D. FILE NO. 1-18, 151AA

DRAWN	CHKD.
ENGD. V.E.C.	APPD.

TELETYPE CORPORATION

SYNCHRONOUS MOTOR UNITS

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

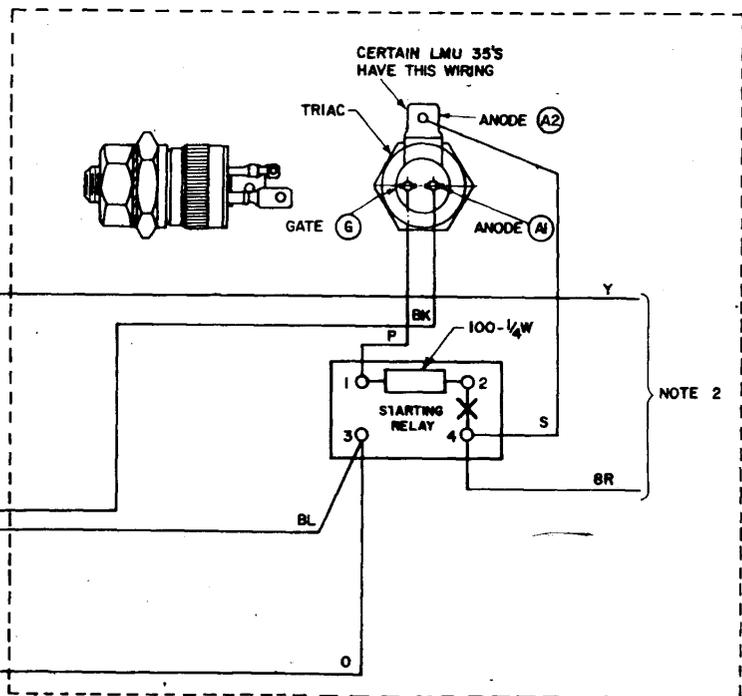
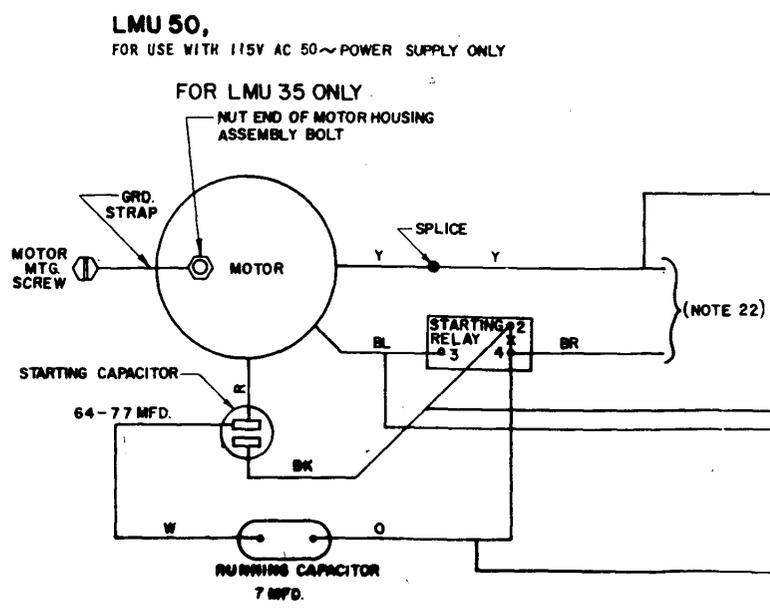
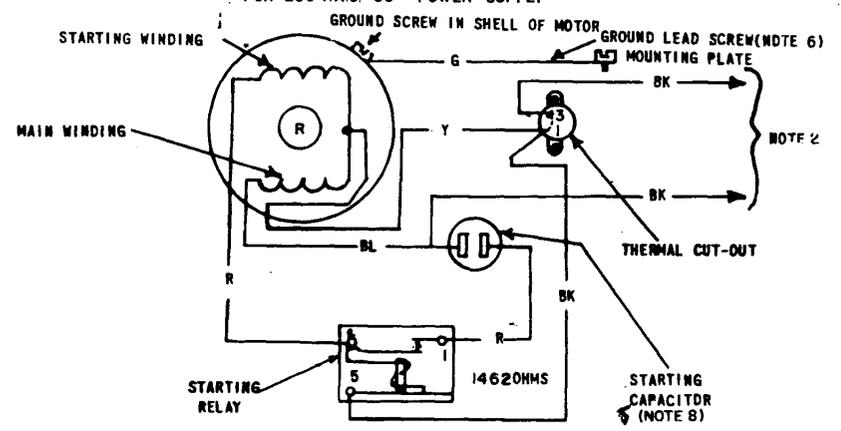
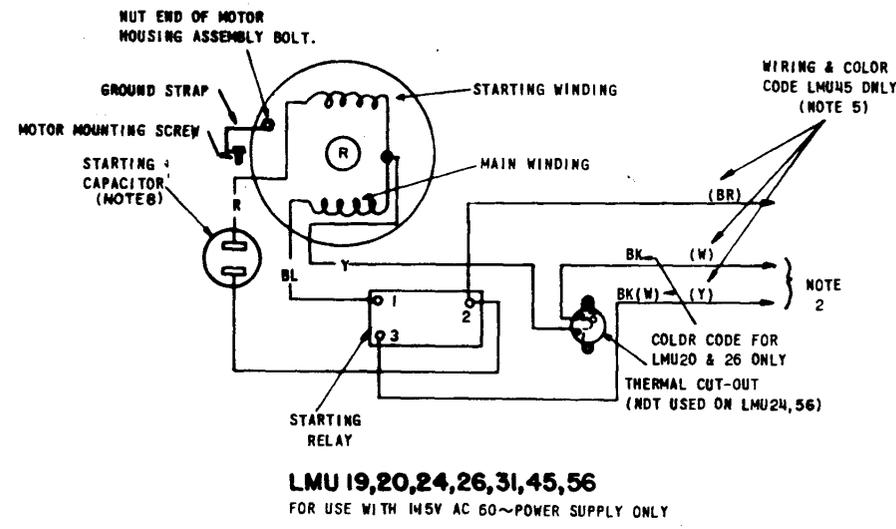
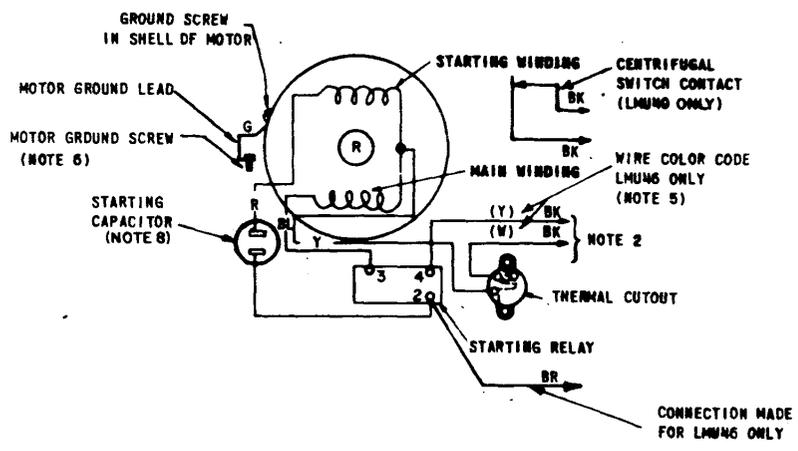
2900WD

REVISIONS

ISSUE	DATE	AUTH. NO.
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M	5-17-60	28-13280
N	5-27-60	28-13361
P	7-6-60	28-13494
Q	9-13-60	28-13899
R	12-14-60	28-14406
S	6-23-61	70255
T	8-8-61	70559
U	10-18-61	71471
V	11-30-61	71805
W	8-24-62	74285
X	9-20-62	74557
Y	11-29-62	75216
Z	4-15-63	76529
AA	1-15-63	76592
AB	5-16-63	76965
AC	5-28-63	76146
AD	8-22-63	77845
AE	1-13-64	79956
AF	1-24-64	79730-1
32	4-13-64	79730-2
33	5-22-64	82008
34	11-4-64	84364
35	3-4-65	82432
36	4-10-65	82432-1
37	9-22-65	82432-3
38	11-8-65	82432-4
39	11-10-65	87664
40	2-22-66	90356
41	4-5-66	90628
42	9-21-66	91780
43	2-27-68	95441
44	1-30-69	98432
45	8-15-69	99487

- NOTES**
1. SYNCHRONOUS MOTOR OPERATES ON REGULATED FREQUENCY ($\pm 0.75\%$) MAXIMUM AC ONLY.
 2. CONNECT EITHER WIRE TO DESIGNATED TERMINALS OF UNIT TERMINAL BLOCK, PER WIRING DIAGRAM OF ASSOCIATED UNIT
 3. MOTOR LEADS OF SAME COLOR ARE INTERCHANGEABLE.
 4. EXTERNAL NOISE SUPPRESSION NETWORK CONSISTING OF 100 OHM, 1/2 WATT RESISTOR IN SERIES WITH 0.25 MFD 1K V CAPACITOR CONNECTED ACROSS YELLOW AND BROWN WIRES. (FOR LMU45,46)
 5. MOTOR GROUND LEAD (GREEN) TERMINAL MUST BE FASTENED TO MOUNTING CRADLE OF MOTOR UNDER A SEPARATE GROUND SCREW ONLY. A SCREW USED FOR ANOTHER PURPOSE CANNOT BE USED FOR GROUNDING (UNDERWRITERS LABORATORIES REQUIREMENT).
 6. WIRE COLOR CODE:

BK - BLACK	R - RED
BL - BLUE	O - ORANGE
BR - BROWN	Y - YELLOW
P - PURPLE	S - SLATE
W - WHITE	G - GREEN
 7. LMU STARTING CAPACITOR VALUE
- | LMU | STARTING CAPACITOR VALUE |
|---------------------------------------|--------------------------|
| 3,15,21,30,33,36,37,38,42,46,49,51,52 | 43-48 MFD |
| 11,12 | 170-226 MFD |
| 35 | 64-77 MFD |
| 55 | 15-18 MFD |
| 19,20,24,26,31,45,56 | 88-108 MFD |
| 50 | 161-193 MFD |



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

SHEET 1

ACTUAL
WIRING DIAGRAM
FOR
MODEL 28 & 35
MOTOR UNITS

APPROVALS

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

E-NUMBER
 PROD. NO. 2900WD
 DATE 1-28-55
 P.D. FILE NO. 1-30.65.156A
 DRAWN E. R. CHKD. R E J
 ENGD. B. M. B. APPD.

TELETYPE CORPORATION

2900WD

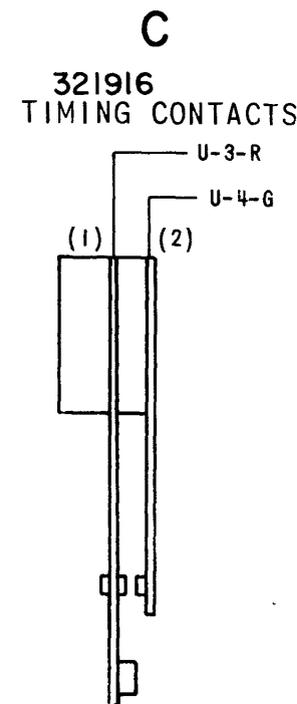
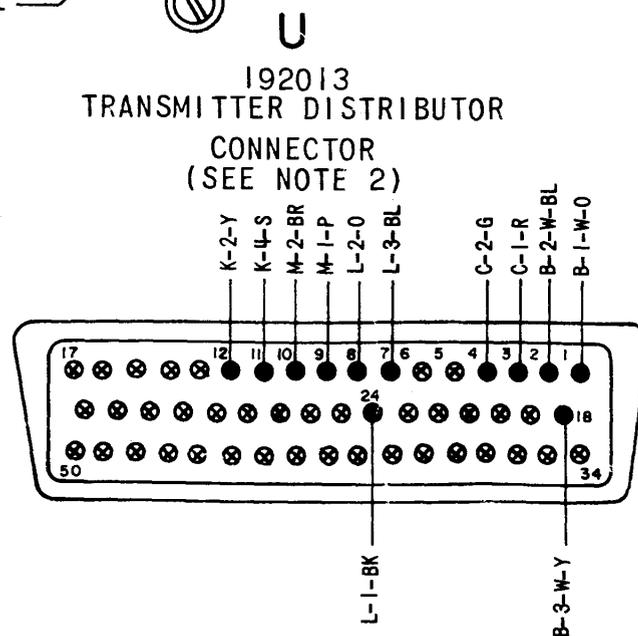
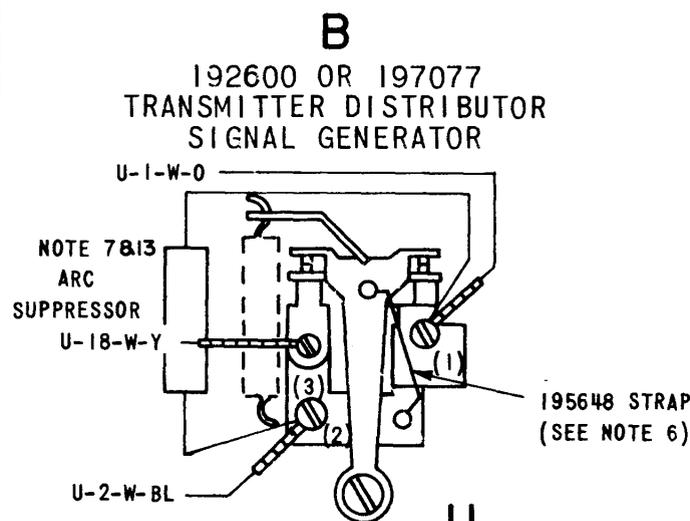
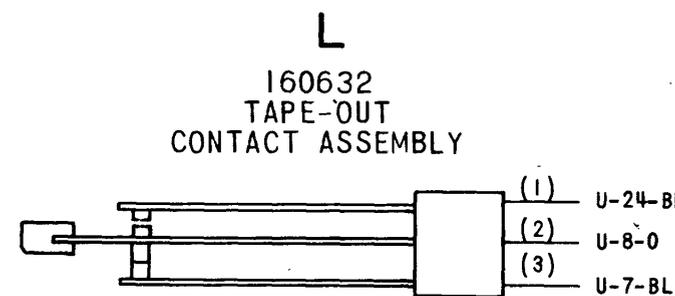
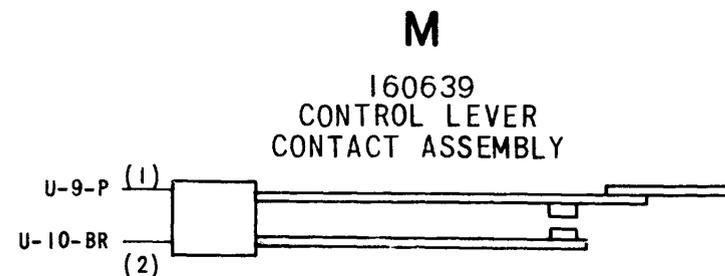
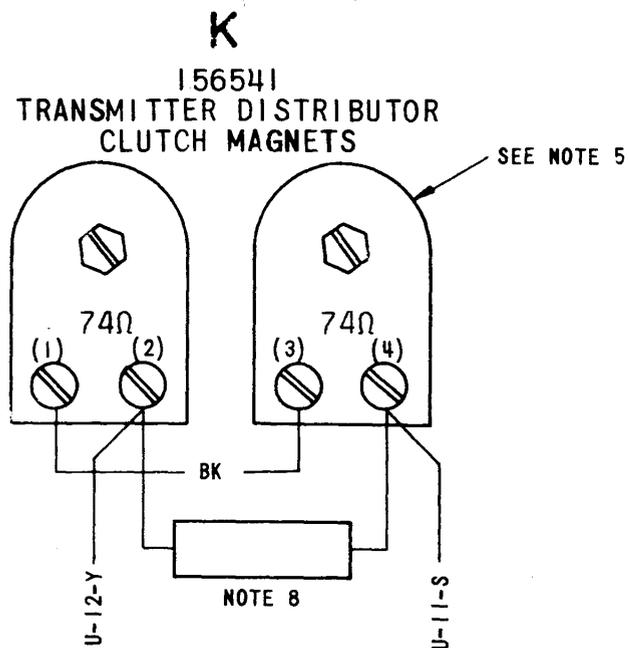
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C 4	9-10-62	74459
D 5	1-10-63	75390
E 6	2-12-63	75851
F 7	3-5-63	75883
G 8	3-13-63	76027
9	6-1-64	82547
10	11-2-64	84468
11	8-18-65	87498
12	9-10-65	87498-2
13	2-16-66	89706
14	2-22-66	90356
15	4-5-66	90384
16	8-16-66	91444
17	9-19-66	91284
18	12-13-66	94976
19	4-12-67	95156

- NOTES**
- WIRING LEGEND:**

— DISTANT TERMINATING AREA
 — DISTANT TERMINATING DESIGNATION
 A-1-W-BL — WIRE COLOR CODE
 - COLOR CODE:**

 - BK - BLACK
 - BR - BROWN
 - R - RED
 - O - ORANGE
 - Y - YELLOW
 - G - GREEN
 - BL - BLUE
 - P - PURPLE
 - W - WHITE
 - S - SLATE
 - CONNECTOR VIEWED FROM WIRING SIDE.
 - ALL CONTACTS SHOWN IN UNOPERATED POSITION. CONTROL LEVER IN STOP POSITION (WHERE APPLICABLE).
 - 48V DC \pm 10% POWER TO BE USED ON CLUTCH TRIP MAGNET ASSEMBLY CIRCUIT WITH AN EXTERNAL 350 OHM RESISTOR.
 - THE 195648 STRAP IS NOT PRESENT IN EARLY MANUFACTURED UNITS.
 - 154166 ARC SUPPRESSOR ON LXD804 ONLY. DISCONNECT ONE ARC SUPPRESSOR LEAD WHEN STROBING SIGNAL GENERATOR.
 - 178535 SPARK SUPPRESSOR ASSEMBLY (153631 NETWORK).
 - FOR TELETYPE PERSONNEL, REFER TO SPEC. 6880S.
 - CROSS REFERENCE ACTUAL TO SCHEMATIC:**

WD NO.	VSL CODE	UNIT CODE
7804WD	VSL324	LXD804
 - NUMBERS IN PARENTHESES ARE NOT MARKED ON COMPONENT.
 - TIMING CONTACT USED IN CONJUNCTION WITH SIGNAL REGENERATOR ASSEMBLY 305445 OR 305446 (OPTIONAL).
 - THE 154166 ARC SUPPRESSOR MUST BE DISCONNECTED IN SYSTEMS THAT EMPLOY THE 312325 OR 323609 REGENERATOR CARDS.



ACTUAL
 WIRING DIAGRAM
 FOR MODEL 35
 TRANSMITTER
 DISTRIBUTOR
 LXD803
 LXD804
 LXD809

APPROVALS

D AND R: [Signature]
 E OF M: [Signature]

E-NUMBER
 PROD. NO. 5814WD

DATE: 3-29-62
 P.O. FILE NO. 1-58.151AA
 DRAWN. V. E. S. CHKD. -
 ENGD. J. V. P. APPD. -

TELETYPE CORPORATION

NOTES

5983 WD

REVISIONS

ISSUE	DATE	AUTH. NO.
2	1-23-64	79298
3	3-21-64	81761
4	8-4-64	82600
5	2-22-66	90956
6	10-17-66	90278
7	5-3-68	95524-1
8	10-3-68	96011

- COLOR CODES
 BK-BLACK G-GREEN
 R-RED BL-BLUE
 O-ORANGE P-PURPLE
 Y-YELLOW W-WHITE
 W-O-WHITE-ORANGE
 W-G-WHITE-GREEN
 W-BL-WHITE-BLUE
 G-Y-GREEN-YELLOW
 BR-Y-BROWN-YELLOW

- WIRING LEGEND
 DISTANT TERMINATING AREA
 DISTANT TERMINATING DESIGNATION
 D-L-W-BL
 WIRE COLOR CODE

- ALL COMPONENTS VIEWED FROM THE SOLDERED SIDE

- FOR ASSOCIATED W.D.'S SEE 182630 (20MA)
 182631 (60MA)
 182632 (40MA)

- SIGNAL INPUT IMPEDANCE IS 30 OHMS. FOR 680 OHM RESISTANCE REMOVE 113992 STRAP

- * INDICATES 18 GA WIRE

- FOR TELETYPE PERSONNEL REFER TO SPEC 60.5295.

- NUMBERS IN PARENTHESIS ARE NOT MARKED ON COMPONENTS

- SOME UNITS CONTAIN 195153 - 60 HERTZ OR 181878 - 50/60 HERTZ TRANSFORMER

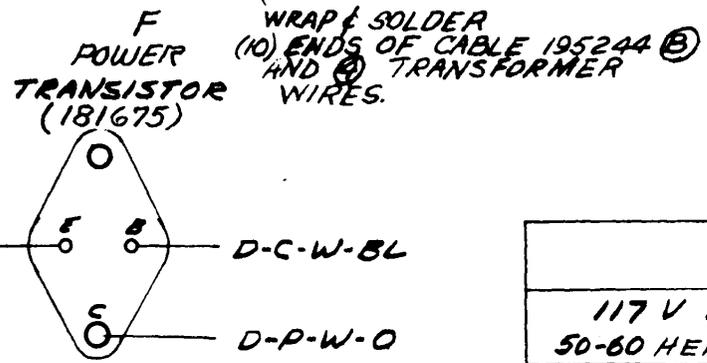
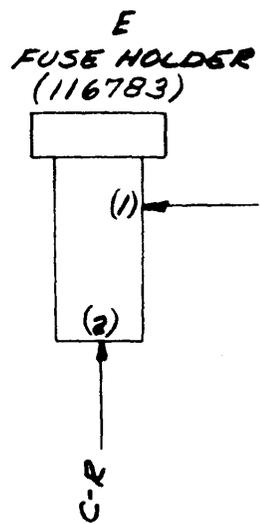
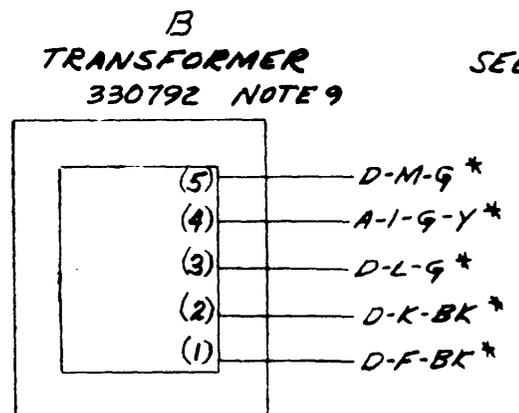
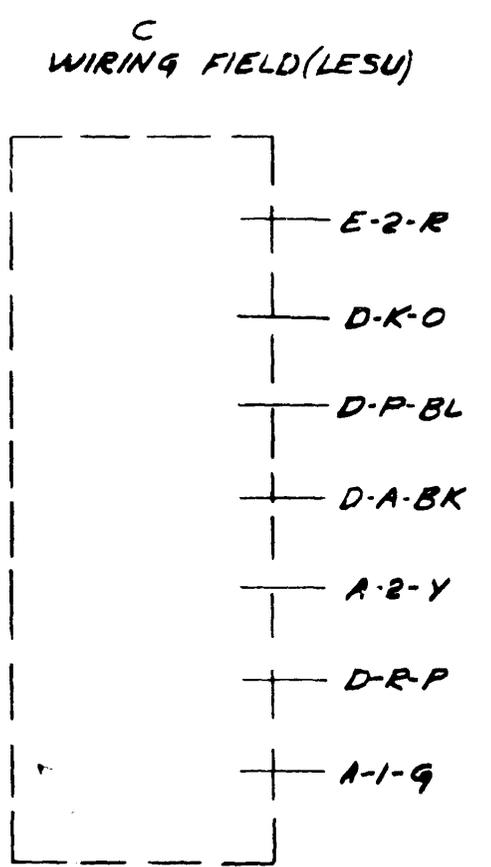
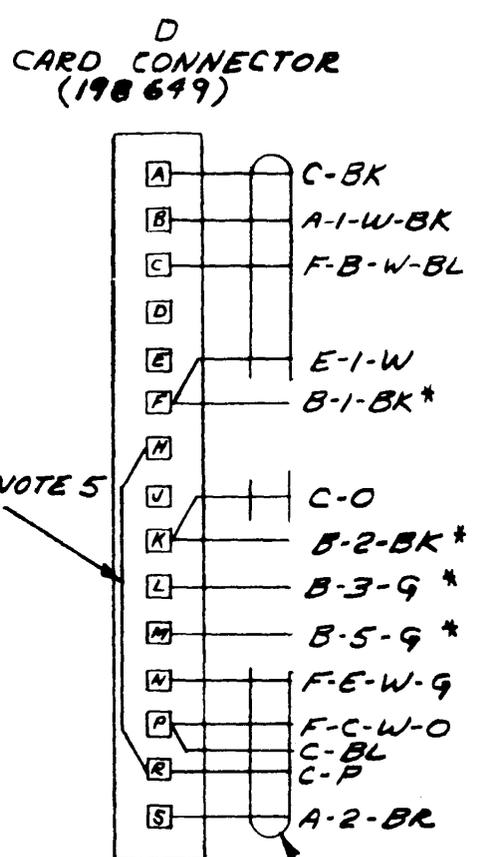
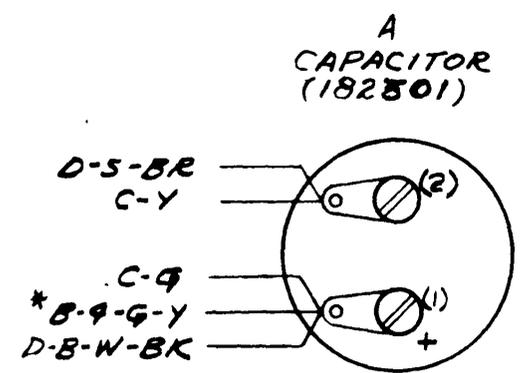


TABLE I

117 V AC	
50-60 HERTZ	
193485 20MA	
197053 60MA	
332999 40MA	

WDP

ACTUAL WIRING DIAGRAM OF 500MA CONSTANT CURRENT SELECTOR MAGNET DRIVER FOR M35 SETS
 (SEE TABLE I)

APPROVALS

D AND R E OF M
 F.L. C-7

E-NUMBER
 PROD. NO. 5983WD

DATE: 11-10-62
 P.D. FILE NO. J-159.151AA
 DRAWN PSD CHKD. JEM
 ENGD. JGM APPD. BGG

TELETYPE CORPORATION

5983 WD

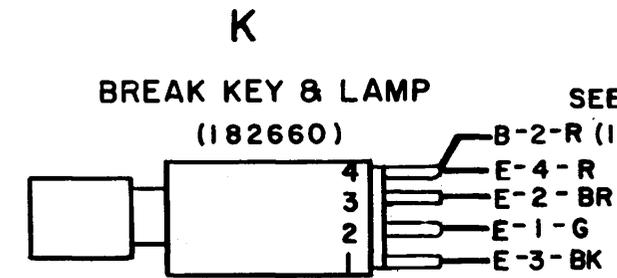
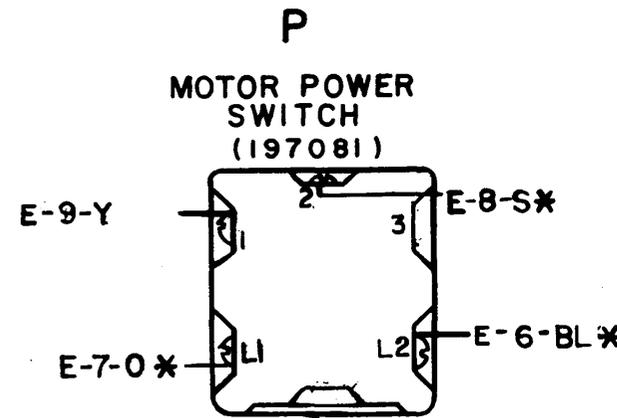
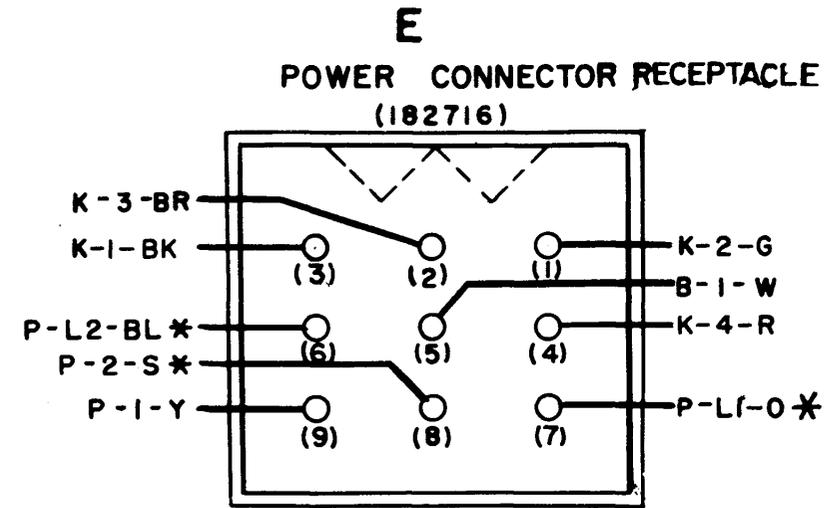
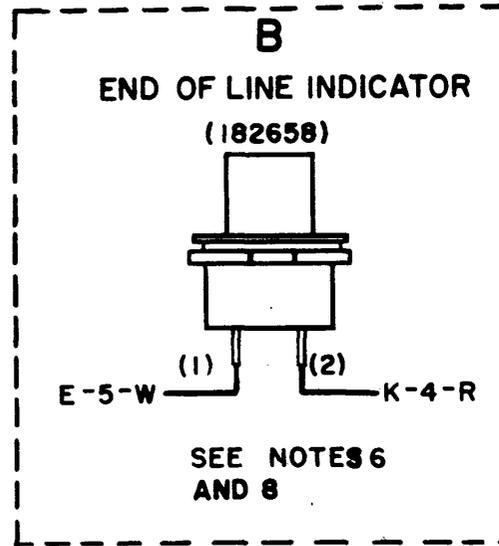
ISSUE	DATE	AUTH. NO.
A	2-20-64	80154
B	5-8-64	81828
3	4-6-65	86670
4	2-22-66	90355

NOTES

1.

DISTANT TERMINATING AREA
 DISTANT TERMINATING DESIGNATION
 E-5-W
 WIRE COLOR CODE
2.

COLOR CODE	
W	WHITE
BK	BLACK
O	ORANGE
Y	YELLOW
G	GREEN
BL	BLUE
BR	BROWN
P	PURPLE
S	SLATE
R	RED
3. * ASTERISK INDICATES 18GA. WIRE.
4. CONNECTORS AND SWITCHES ARE VIEWED FROM TERMINAL END.
5. ASSOCIATED CABLE-197055
6. THE 195941 FOR RECEIVE ONLY SETS DOES NOT CONTAIN THE END OF LINE INDICATOR, THEREFORE, WIRING DOES NOT APPLY. TAPE THE E-5-W WIRE TO BODY OF CABLE.
7. NUMBERS IN PARENTHESIS ARE NOT SHOWN ON PART, BUT ARE USED FOR REFERENCE ONLY.
8. 199327 AND 199328 ARE USED IN NEW STYLE SETS WITH END OF LINE INDICATOR ON UPPER COVER. THEREFORE WIRING DOES NOT APPLY. TAPE THE E-5-W WIRE TO BODY OF CABLE.



SEE NOTES 6 AND 8

WDR

ACTUAL WIRING DIAGRAM MODEL 35 POWER PANEL ASSEMBLIES 195938, 195941, 198204, 199327, -28

APPROVALS

D AND R	E OF M
<i>[Signature]</i>	<i>[Signature]</i>

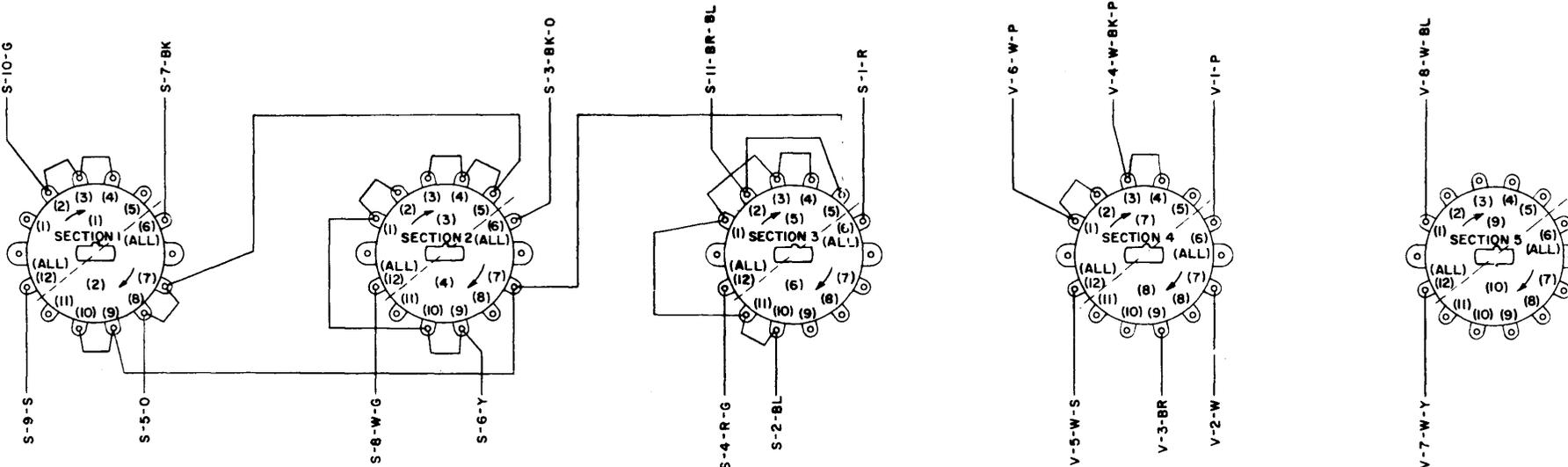
E-NUMBER
 PROD. NO. 6380WD
 DATE: 4-24-63
 P.D. FILE NO. 2-A151.219A
 DRAWN. R.W.D. CHKD. *[Signature]*
 ENGD. W.E.C. APPD. *[Signature]*

TELETYPE CORPORATION
 6380 WD

REVISIONS

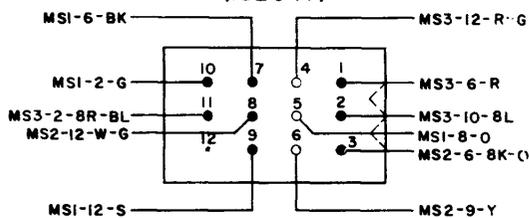
ISSUE	DATE	AUTH. NO.
2	6-2-65	84501
3	10-11-65	88901
4	8-25-66	91480
5	2-16-67	93008

MS
MODE SWITCH (ROTARY)
(198253)

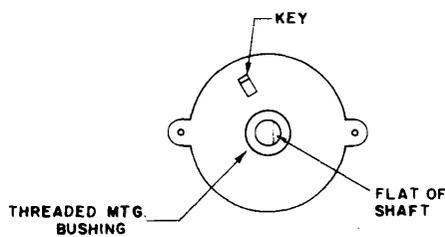
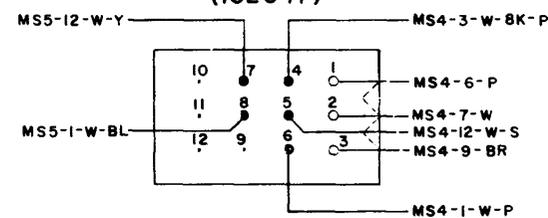


- NO. NOTE**
1. **WIRING LEGEND:**
 - DISTANT TERMINATING AREA
 - DISTANT TERMINATING DESIGNATION
 - COLOR CODE
 S-10-G
 2. **COLOR CODE:**
 W-WHITE R-RED
 BK-BLACK Y-YELLOW
 BL-BLUE S-SLATE
 BR-BROWN O-ORANGE
 G-GREEN P-PURPLE
 3. **ASSOCIATED CABLE 198245**
 4. **ORIENTATION FOR WIRING. SHAFT TO BE IN EXTREME COUNTER-CLOCKWISE POSITION WITH FLAT OF SHAFT TOWARDS THE RIGHT. SECTIONS ARE NUMBERED AS SHOWN WITH SECTION 1 IN FRONT.**
 5. **NUMBERS IN PARENTHESES ARE NOT MARKED ON COMPONENTS.**
 6. **CONNECTORS VIEWED FROM WIRING SIDE.**
 7. **SWITCH VIEWED FROM FRDNT (MOUNTING) SIDE.**
 8. **PIN 12 IS COMMON LEAD FOR 1,2,3,4 AND 5.**
 9. **PIN 6 IS COMMON LEAD FOR 7,8,9,10 AND 11.**

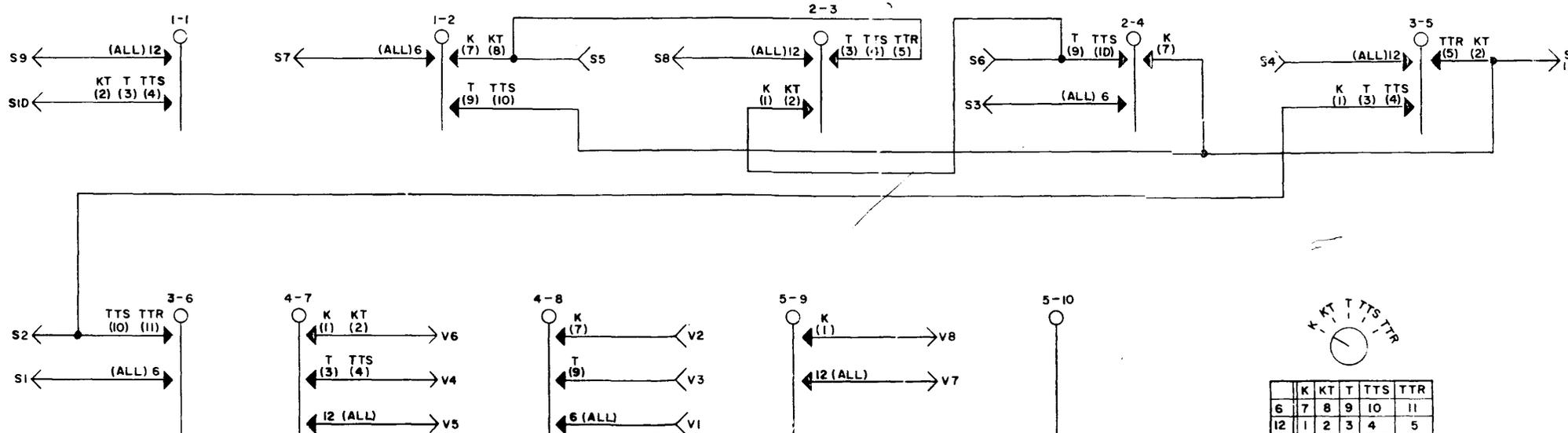
S
MODE SWITCH CONNECTOR
(182647)



V
MODE SWITCH CONNECTOR
(182647)



S
SCHEMATIC



WDP

WIRING DIAGRAM
OF
MODE SWITCH ASSEMBLY
198242
FOR
MODEL 35 ASR SET USE

APPROVALS

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

E-NUMBER

PROD. NO. 6903 WD

DATE 7-12-66

P.D. FILE NO. 2-A151.219A

DRAWN C.G.	CHKD.
ENG. W.E.C.	APPD. RRS
L.K.M.	

TELETYPE CORPORATION

6903 WD

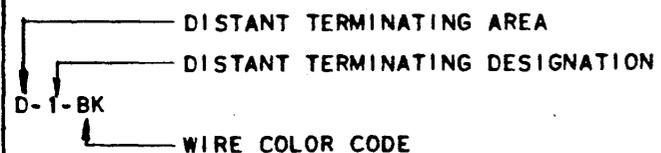
7584 WD

REVISIONS

ISSUE	DATE	AUTH. NO.
1	1-13-65	16174-R
2	5-5-65	87048
3	8-18-65	88121

NOTES

WIRING LEGEND:



2. COLOR CODE:

- | | |
|------------|------------|
| W - WHITE | R - RED |
| BK - BLACK | Y - YELLOW |
| BL - BLUE | S - SLATE |
| BR - BROWN | O - ORANGE |
| G - GREEN | P - PURPLE |

3. ASSOCIATED CABLES:

- | | |
|-----------------------|-----------------------|
| 199346 ASSEMBLY (KSR) | 199348 CABLE |
| | 199323 CABLE (E.O.L.) |
| 199347 ASSEMBLY (ASR) | 199349 CABLE |
| | 199323 CABLE (E.O.L.) |
| 199354 ASSEMBLY (RO) | 199348 CABLE |

4. THE 199323 CABLE ASSEMBLY, E.O.L. LIGHT, IS NOT INCLUDED WITH THE 199354 ASSEMBLY, USED ON RECEIVING ONLY CABINET.

5. NUMBERS IN PARENTHESES ARE FOR REFERENCE ONLY AND ARE NOT MARKED ON COMPONENTS.

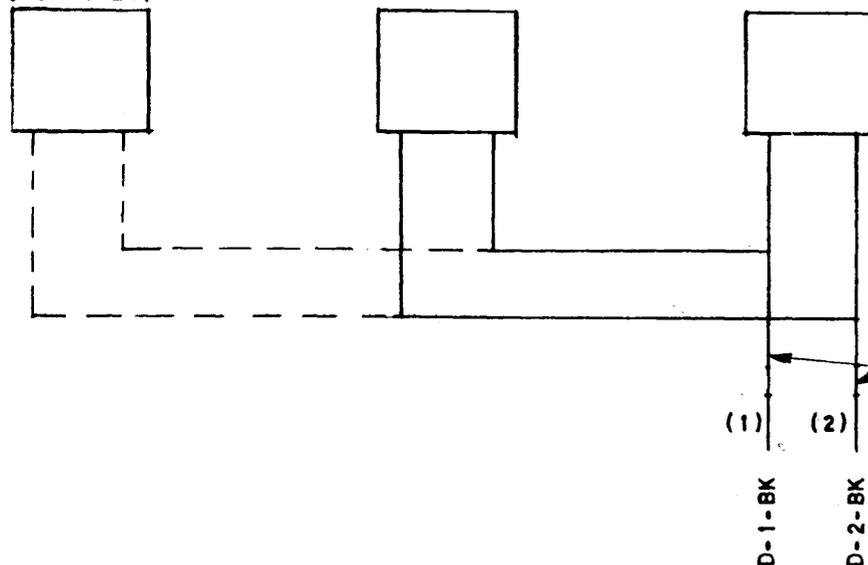
6. CONNECTORS VIEWED FROM WIRING SIDE.

7. SOME ELECTRICAL SERVICE UNITS USE A DIFFERENT AREA DESIGNATION. REFER TO APPLICABLE WD.

CL

COPYLIGHT LAMP HOLDERS

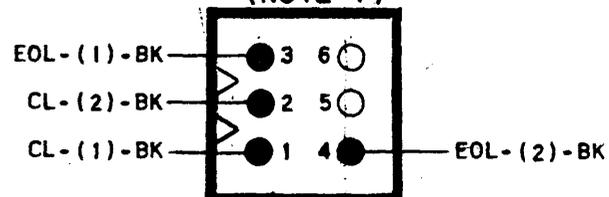
PERFORATOR COPYLIGHT (ASR ONLY)



SEE NOTE 3

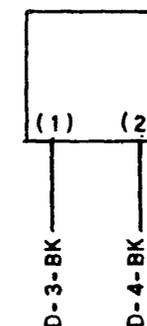
D

COPYLIGHT CONNECTOR PLUG (NOTE 7)



EOL

LAMP HOLDER (NOTE 4)



WDP

ACTUAL WIRING DIAGRAM FOR 199346, 199347 & 199354 COPYLIGHT BRACKET ASSEMBLY

APPROVALS

D AND R <i>O.A.</i>	E OF M <i>[Signature]</i>
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E-NUMBER

PROD. NO. 7584WD

DATE: 12-7-64

P.D. FILE NO. G-A151AA

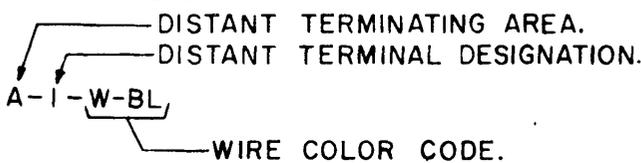
DRAWN D.D.G. CHKD *NB*

ENGD. F.G.H. APPD. *O.A.*

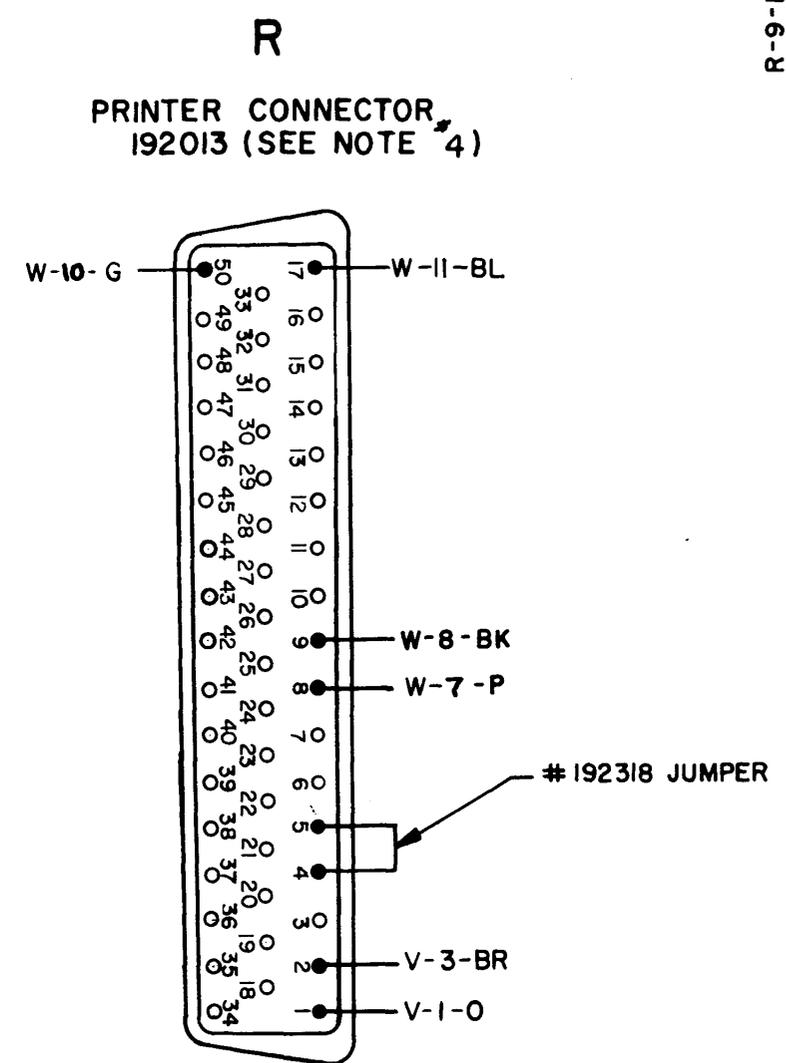
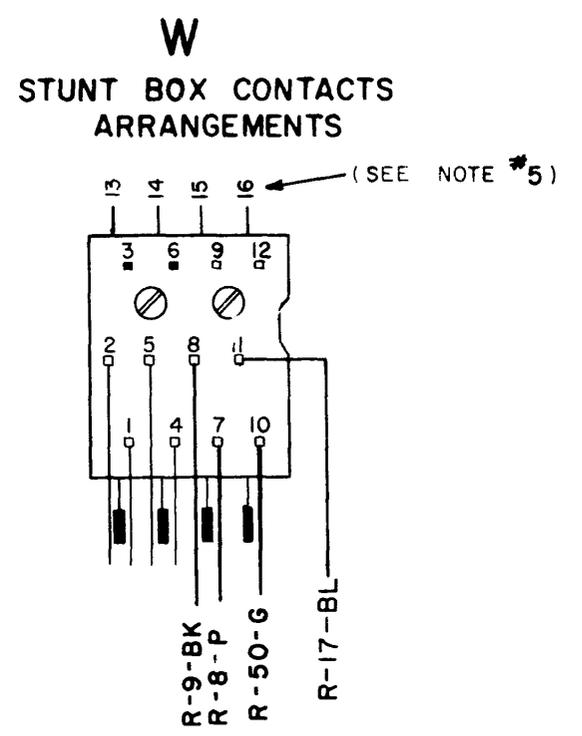
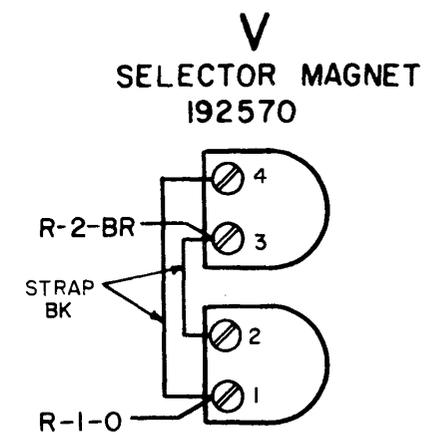
TELETYPE CORPORATION

7584 WD

ISSUE	DATE	AUTH. NO.

- NO.** **NOTES**
1. WIRING LEGEND:

 2. COLOR CODE:

BK - BLACK	R - RED	O - ORANGE
BR - BROWN	Y - YELLOW	G - GREEN
BL - BLUE	P - PURPLE	W - WHITE
S - SLATE		
 3. CONTACTS VIEWED FROM SOLDER TERMINAL ENDS.
 4. CONNECTOR VIEWED FROM BOTTOM.
 5. NUMBERS AT TOP OF STUNT BOX CONTACTS REFER TO SLOT POSITION IN STUNT BOX.
 6. FILLED CONTACT TERMINAL IN STUNT BOX REPRESENTS NORMALLY CLOSED CONTACT. UNFILLED CONTACT TERMINAL REPRESENTS NORMALLY OPEN CONTACT.
 7. CONTACTS SHOWN IN UNOPERATED OR DEENERGIZED POSITION.
 8. SELECTOR COIL IS WIRED FOR .500 AMP OPERATION.
 9. ASSOCIATED CABLE ASSEMBLIES:
 CABLE ASSEMBLY — 197044 (AREA R-W)
 CABLE ASSEMBLY — 192484 (AREA R-V)



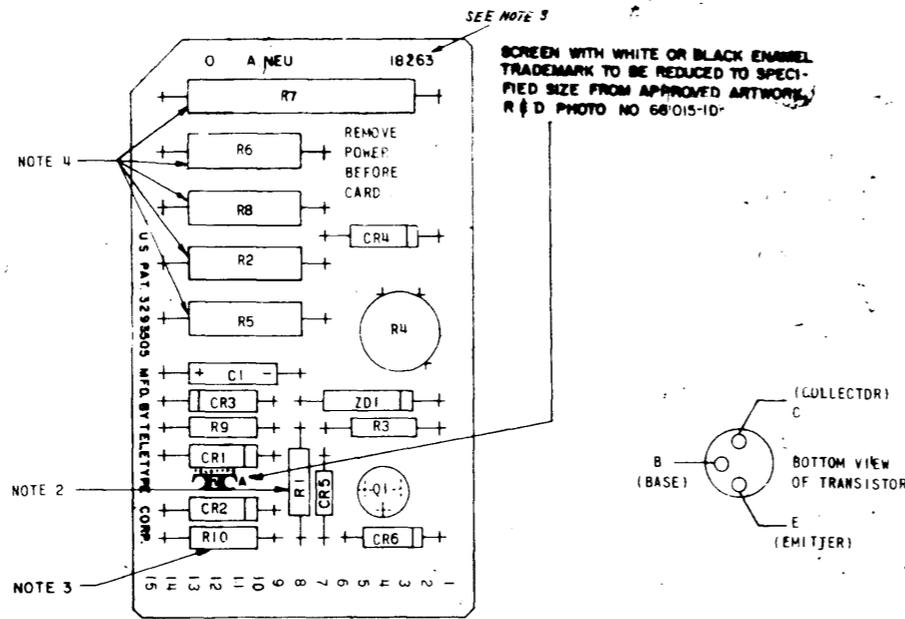
ACTUAL
WIRING DIAGRAM
FOR MODEL 35
TYPING UNIT
STUNT BOX ATJ
LP 813

APPROVALS

D AND R	E OF M
E-NUMBER	
PROD. NO. 6043 W.D.	
DATE: 3-1-63	
P.D. FILE NO. 1-30-151AA	
DRAWN. M.K.	CHKD.
ENGD. WEC	APPD.

TELETYPE CORPORATION

NO.	NOTES
1.	REFER TO 5906WD FOR CARD MARKING INFORMATION
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 39603RM 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 .040 A NEU 182632



CIRCUIT CARD ASSEMBLY

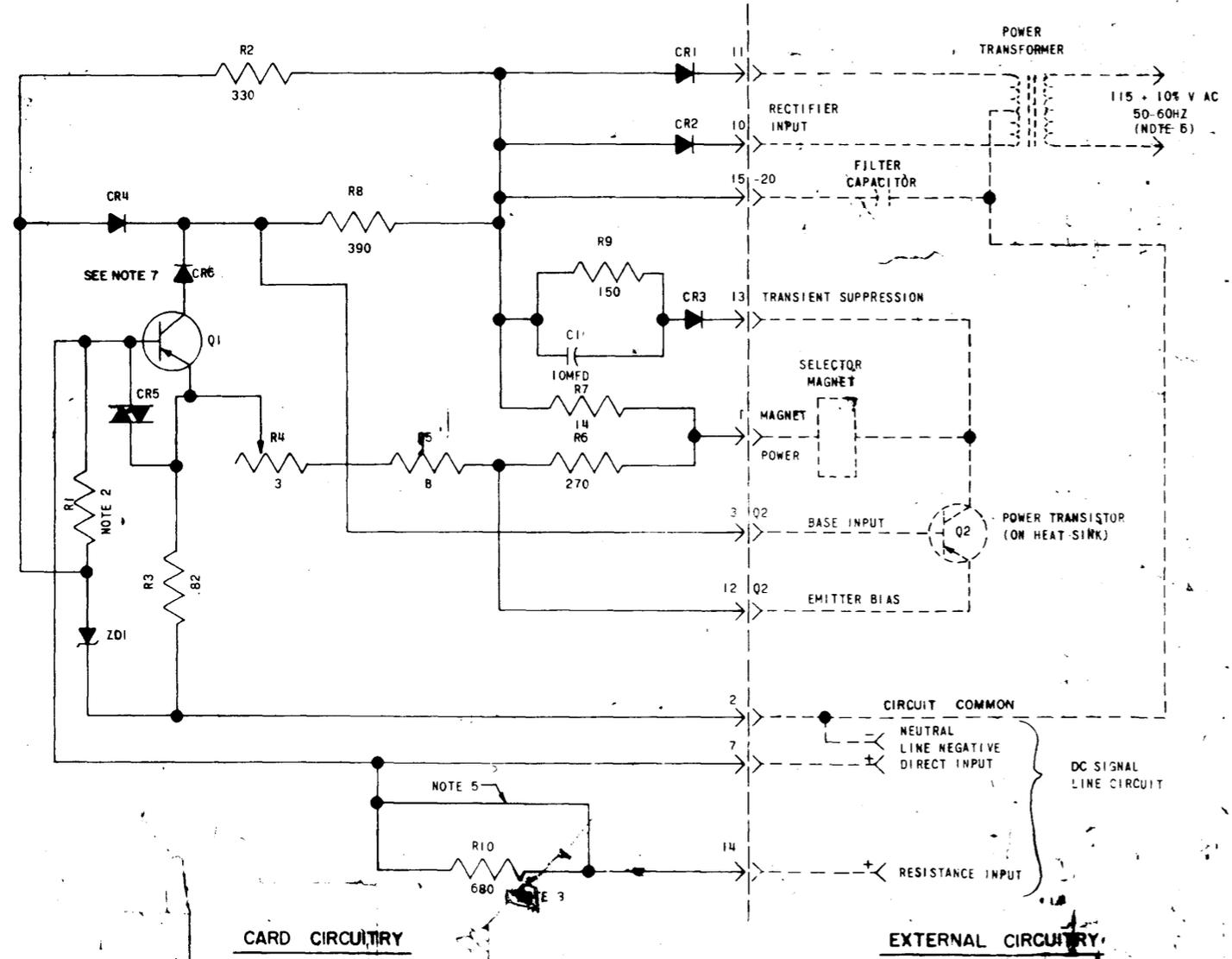
182630-35

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	39603RM	1	STRAP	.030 AMP SWITCHING	182631	.060A NEUTRAL LINE
R10	39603RM	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 4 W	Q1 COLLECTOR LOAD		
R9	182776	1	RESISTOR 150 OHMS 1/2 W	Q2 COLLECTOR LOAD		
				TRANSIENT LIMITING		
CR1	182520	2	DIODE 1N3193	POWER RECTIFIER		
CR2	182520	2	SAME AS CR1	POWER RECTIFIER		
CR3	181619	2	DIODE 1N482	COLLECTOR TRANSIENT LIMITING		
CP4	181619	2	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			

REVISIONS

ISSUE	DATE	AUTH. NO.
2	8-8-62	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

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 CR6. 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.

APPROVALS

D AND R HJK	E OF M
E-NUMBER	
PROD. NO. 182630-35	
DATE 8-2-62	
P.D. FILE NO. 30-158AAA	
DRAWN E.R. REG	CHKD.
ENGD. R.J.M.	APPR.
TELETYPE CORPORATION	
182630-35	

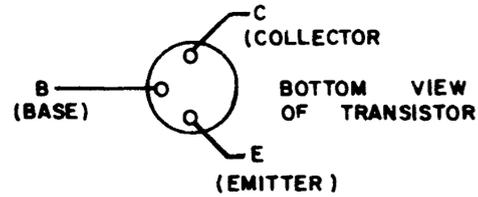
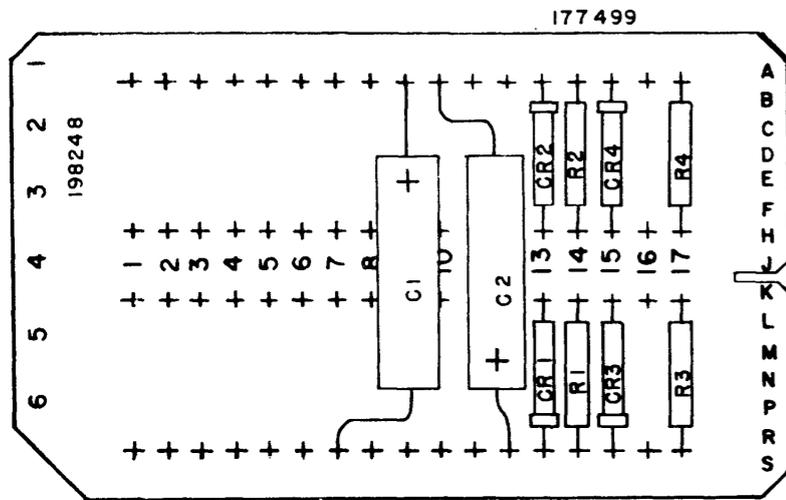
CIRCUIT BOARD

198248

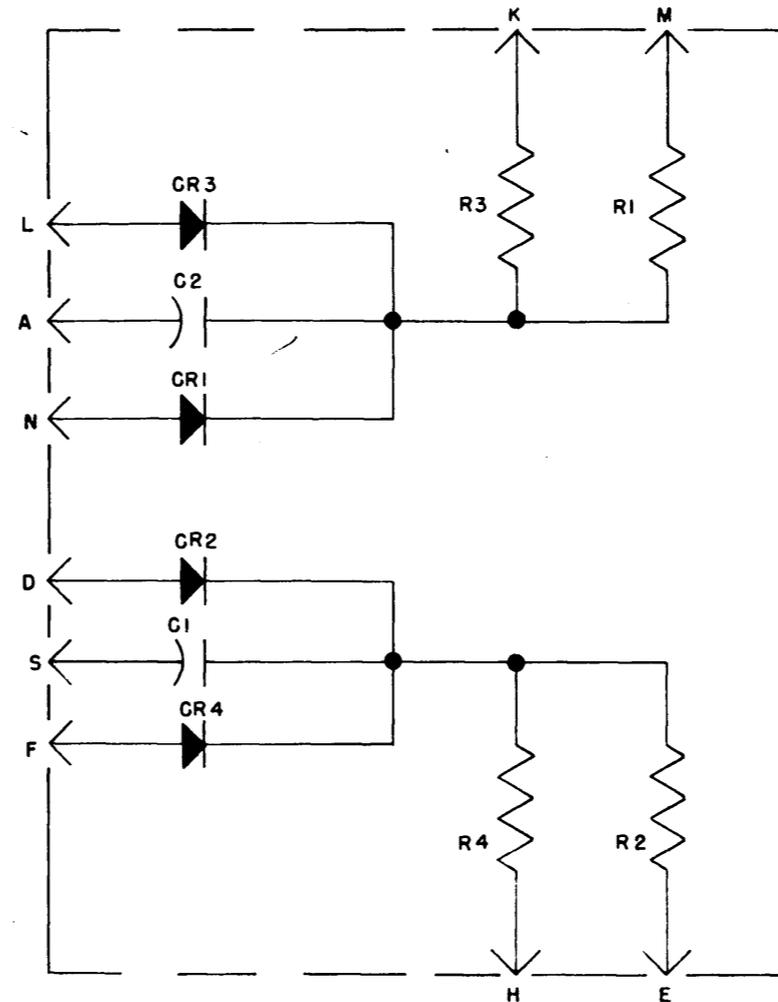
REVISIONS

ISSUE	DATE	AUTH. NO.
2	9-18-63	77527
3	2-17-64	80150
4	1-24-66	89862
5	12-17-68	98193

SEE SPEC. 60691S FOR USE IN VGL319, SPEC.60716S FOR USE IN VGL320 OR SPEC. 60744S FOR USE IN VGL321.



NOTE:
REFER TO 5016 WD FOR MARKING INFORMATION.



WDP

APPROVALS

R AND D: H.J.K.
E OF M: [Signature]

E-NUMBER:
PROD. NO. 198248

DATE 6-29-63
FILE NO. 3-A15/116,219A
DRAWN. R.G.K. CHKD. [Signature]
ENGD. R.D.S. APPD. [Signature]

TELETYPE CORPORATION

4 198248

REF. DESIGN.	TELETYPE PART NO.	TOTAL QTY	NAME AND DESCRIPTION	LOCATING	FUNCTION
R1	198264	2	910 ^Ω RESISTOR-1W		
R2			SAME AS R1-1W		
R3	300048	2	330 ^Ω RESISTOR-3W		
R4			SAME AS R3		
C1	198266	2	150 MFD. CAPACITOR 50WVDC		
C2			SAME AS C1		
CR1	182520	4	IN 2611 DIODE OR IN 3193		
CR2			SAME AS CR1		
CR3			" " "		
CR4			" " "		
	177499	1	ETCHED CARD		

NOTE:
CARD CONNECTIONS ARE REPRESENTED BY LETTERS
TEST POINTS ARE REPRESENTED BY NUMBERS.

SCHEMATIC WIRING DIAGRAM

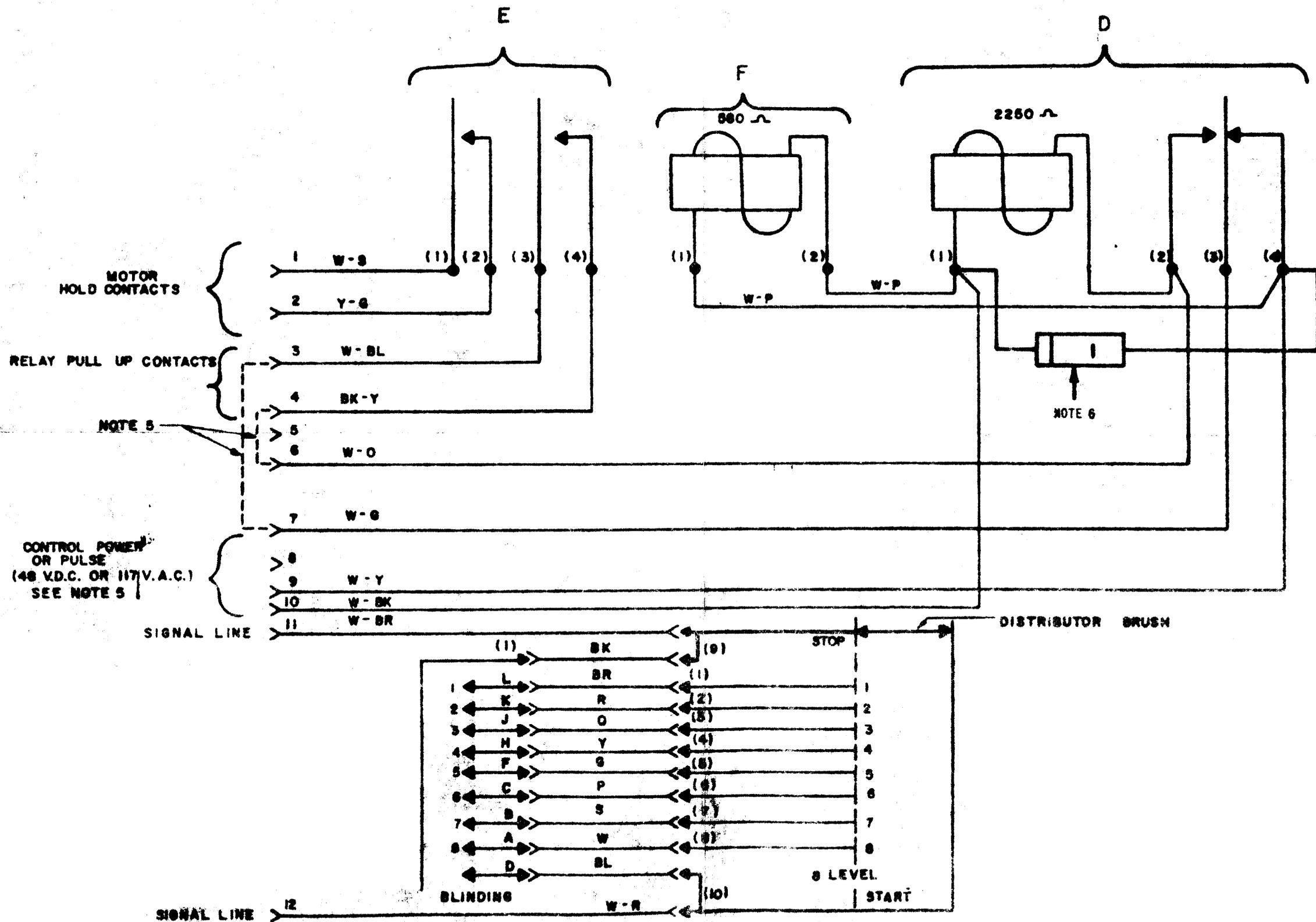
SEE SHEET 1 FOR NOTES

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

4726 WD

REVISIONS

ISSUE	DATE	AUTH. NO.
12	1-8-67	74183
13	1-28-67	74208
14	2-18-67	74208-1
5	8-2-65	81562
6	6-28-67	93201
7	7-11-67	94311



SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS W.D. SHEET 2

**ACTUAL & SCHEMATIC
WIRING DIAGRAM
FOR
192002 AND
324483
ANSWER BACK ASSEM.
(8 LEVEL)**

APPROVALS	
D AND R	E OF M
E NUMBER	
PROD NO. 872819	
DATE	
P.O. FILE NO	
DRAWN L J F	CHKD B G G
ENGR. BY	APPD. J. J. B.

TELETYPE CORPORATION

7 4726 WD

ISS. 1 OCT. 20TH 1969

ON PUNCH CONTROL SWITCH LINK BETWEEN 5 & 9 REMOVED, DIAGM. OF TERM. POSITIONS ADDED, TERM. NOS OF RELAY RL1 ADDED. ON PUNCH CONTROL SWITCH STRAP FROM CONTACT 2 TO 5 WAS TO 6 CONTACT 5 & 5 II WERE WIRED TO CONTACT 3. CABLE LABELS CODES ADDED.

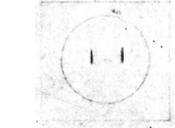
ISS 2. JUN 25TH 1970
LINK BETWEEN E1 & E5 DELETED LINK A6 TO A7 ADDED A7 WH-VI WIRE WAS PK A6 TO RL2/11 & 16 DELETED A7 TO RL2/11 & 16 ADDED DUPLICATION OF EA DELETED RUN OUT KEY CONTACTS ADDED.

ISS 3. NOV 25TH 1970
ON RL1/4 PINS 1 & 4 WERE VISA-VERSA TERM 13 OF RL2/4 WAS WIRED TO C/2M (DIODE ADDED) ADDL DIODE ADDED ACROSS CONTACT 13 & 14 OF RELAY RL2/4 LINK A6 TO A7 REMOVED RL2 CONTACT 6 TO CONTACT 12 & TO A6 WAS TO A7 RL2 CONTACTS 4, 8, 12, ADDED.

ISS 4. NOV 28TH 1970
LINKS E5 TO E7 AND E6 TO E8 ADDED DIODE REMOVED FROM PIN B OF RL2/4

ISS 5. 23RD DEC 1970

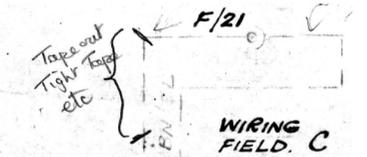
2-1-8-7
3-9-9-
5-4-11-10-
6-12-12-



TERMINAL REF NOS.
LSD 54119
PUSH KEY.

ASSOCIATED DRWGS.
ASSEMBLY
WIRING

MOD. 1312	
TO BSASR TELETYPE SETS PD-111 & PD-112 FOR READER SKIP & READER STEP PUNCH CONTROLS & RUN OUT.	
SCHEMATIC	
WESTREX COMPANY LTD LONDON.	
DRAWN T.M.	APPD. DRFTG.
TRACED.	APPD. ENGR.
CHECKED.	APPD. FOR ISS. 6 TW
LSO-15264	



WIRING FIELD C

C/4K SUPPLY. N.

C/IF.

SEE NOTE 1

C/IK

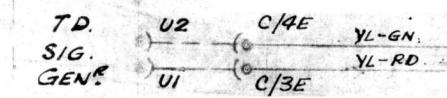
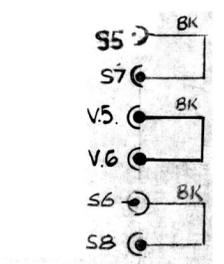
C/2M. SUPPLY. L.

TELETYPE PANEL
TP.198251 OR
TP.198242

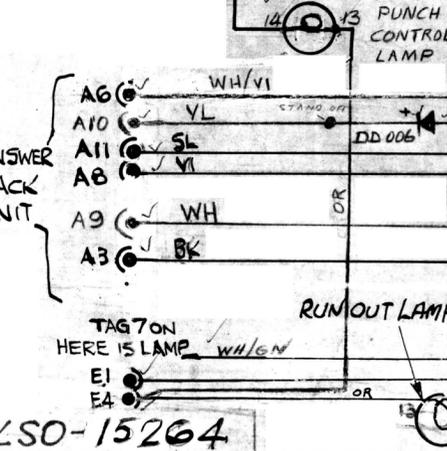
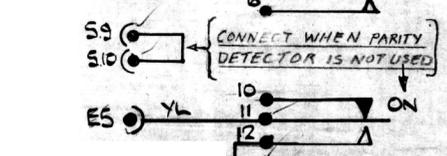
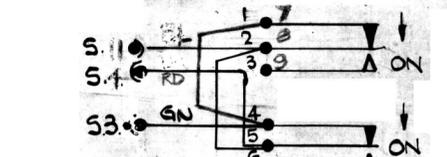
READER SKIP.

READER STEP.

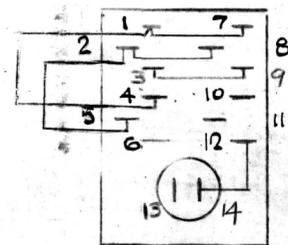
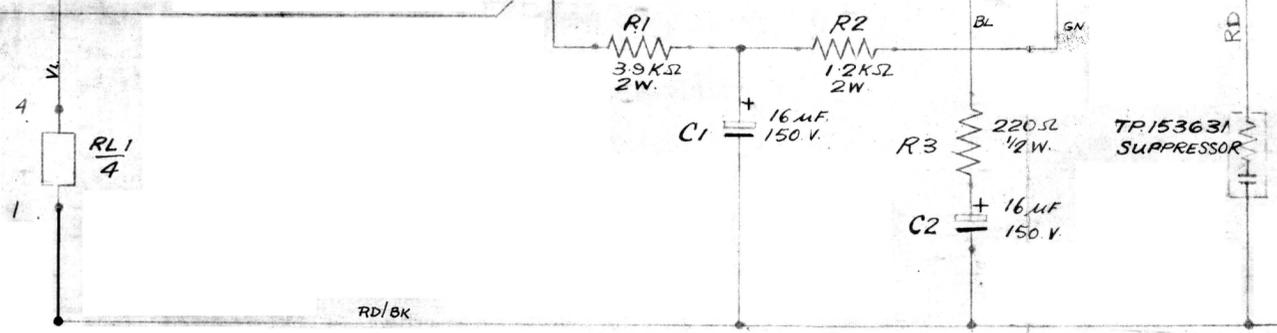
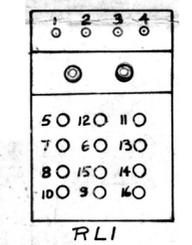
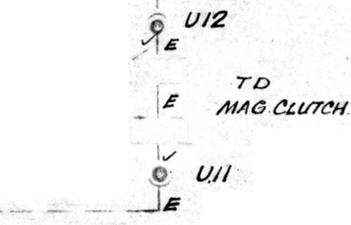
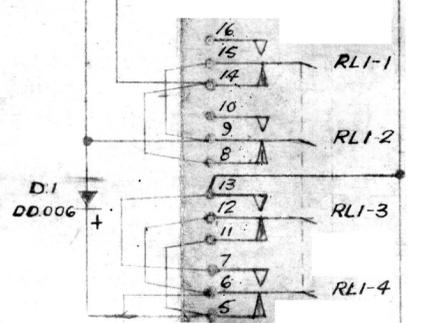
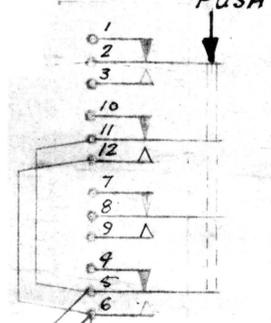
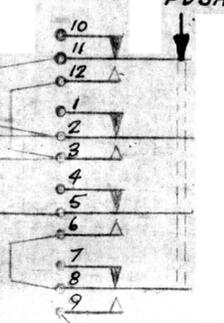
LSD 55040 RELAY.
RL-1



PUNCH CONTROL SWITCH.
(SEE STRAPPING DIAG.)



LSO-15264



PUNCH CONTROL SWITCH STRAPPING DIAGRAM.

NOTE:
1. MOVE BN/SL WIRE FROM C/4K TO C/IF ON WIRING FIELD C.

REF. TELETYPE DRWG. 6394 WD. WIRING DIAGRAM LESU.13
REF. TELETYPE DRWG. 6384 WD. SCHEMATIC.