

SYNCHRONOUS MOTOR UNITS

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

2900WD

REVISIONS

ISSUE	DATE	AUTH. NO.
L	2-15-60	28-12447
M	5-17-60	28-13280
N	5-27-60	28-13361
P	7-6-60	28-13494
Q	9-15-60	28-13899
R	12-14-60	28-14406
S	6-23-61	70255
T	8-9-61	70559
U	10-12-61	71471
V	11-30-61	71805
W	8-24-62	74285
X	9-20-62	74557
Y	11-22-62	75216
Z	4-15-63	76598
AA	4-15-63	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	91790
43	2-27-68	95441

SEE ISSUE CONTROL RECORD FOR COM-
PLETE 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
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E-NUMBER

PROD. NO. 2900WD

DATE 1-28-55

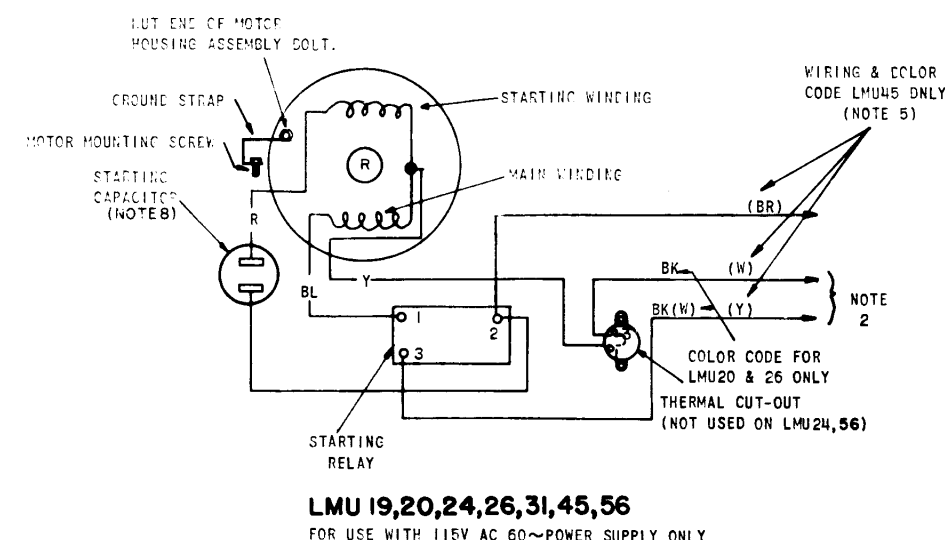
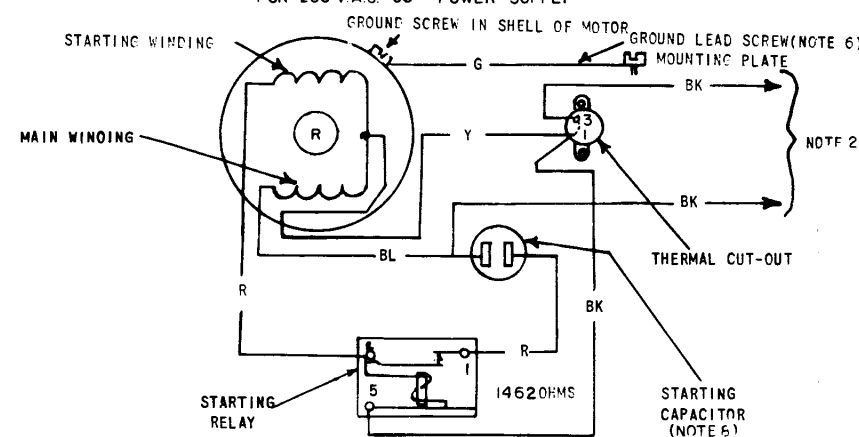
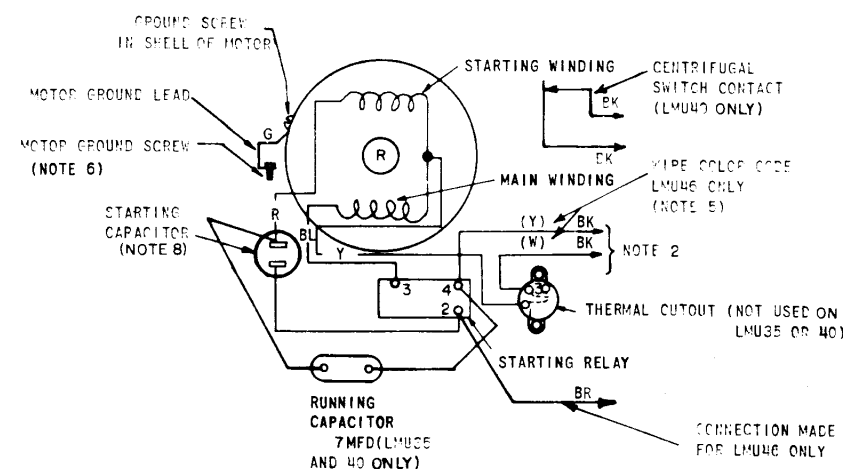
P.D. FILE NO. 1-30.65.156A

DRAWN E.R. CHKD. REF

ENG'D. B.M.B. APP'D.

TELETYPE
CORPORATION

2900WD



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 INTER-CHANGEABLE.
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 BL - BLUE BR - BROWN P - PURPLE W - WHITE R - RED O - ORANGE Y - YELLOW S - SLATE 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

SERIES GOVERNED MOTOR UNITS

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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
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
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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	87664
40	2-22-66	90356
41	4-5-66	90628
42	4-26-67	93075
43	5-26-67	9428-RC
44	5-13-68	95859

- NO. NOTES
1. A. AC SERIES MOTOR UNITS OPERATE ON UN-REGULATED AC POWER.
B. ASSOCIATED LESU MUST BE EQUIPPED WITH CAPACITOR-RESISTOR ASSEMBLY FOR DC OPERATION OF GOVERNED MOTORS.

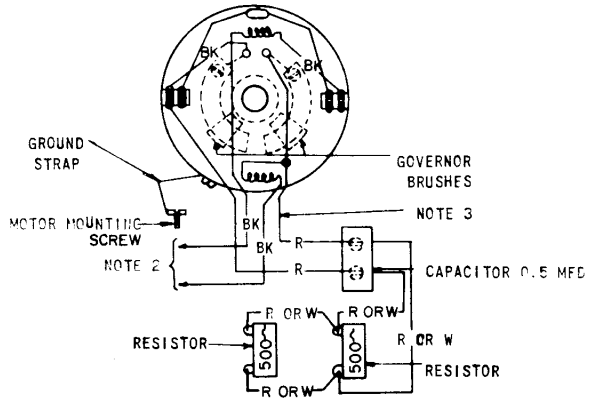
2. CONNECT EITHER WIRE TO DESIGNATED TERMINALS OF UNIT TERMINAL BLOCK, PER WIRING DIAGRAM OF ASSOCIATED UNIT.

3. MOTOR LEADS OF SAME COLOR ARE INTER-CHANGEABLE.

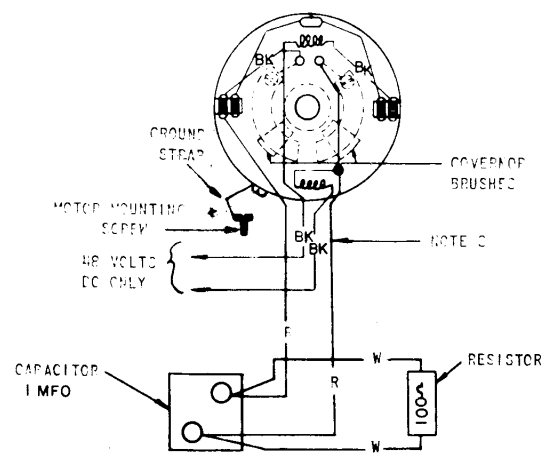
4. MOTOR LEADS ARE ENCLOSED IN APPROXIMATELY 10" LONG COPPER SHIELDING & FASTENED TO MOTOR AND CONTROL PARTS COMPARTMENT. (FOR LMU28).

5. 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.

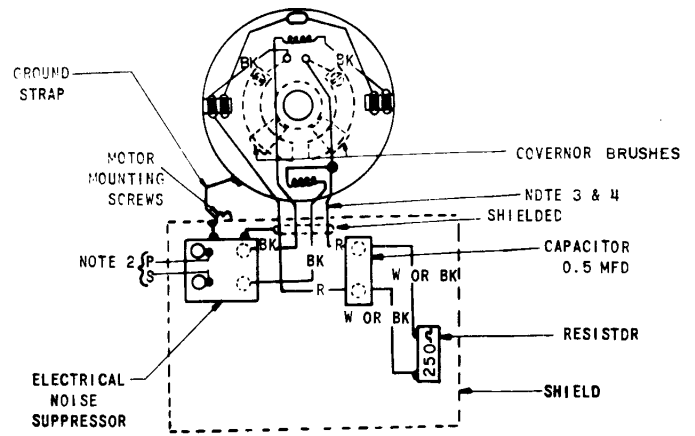
6. WIRE COLOR CODE:
BK - BLACK
BL - BLUE
BR - BROWN
P - PURPLE
W - WHITE
R - RED
O - ORANGE
Y - YELLOW
S - SLATE
G - GREEN



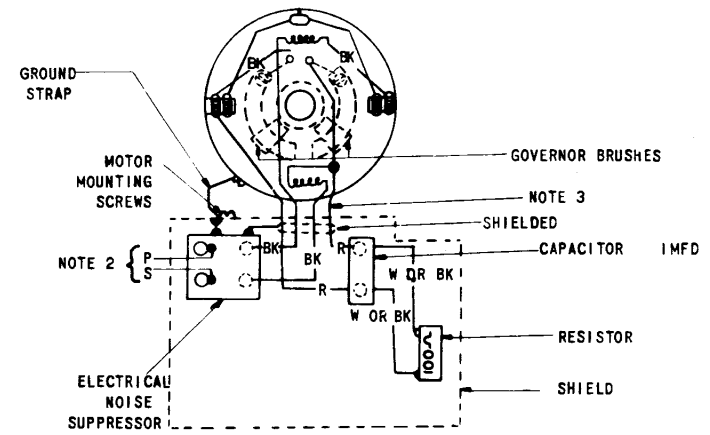
LMU 6,13 (UNIVERSAL)
WITHOUT RADIO FREQUENCY SUPPRESSORS
FOR USE WITH EITHER 115V AC 50-60~OR 115V DC POWER SUPPLY (NOTE 1B).



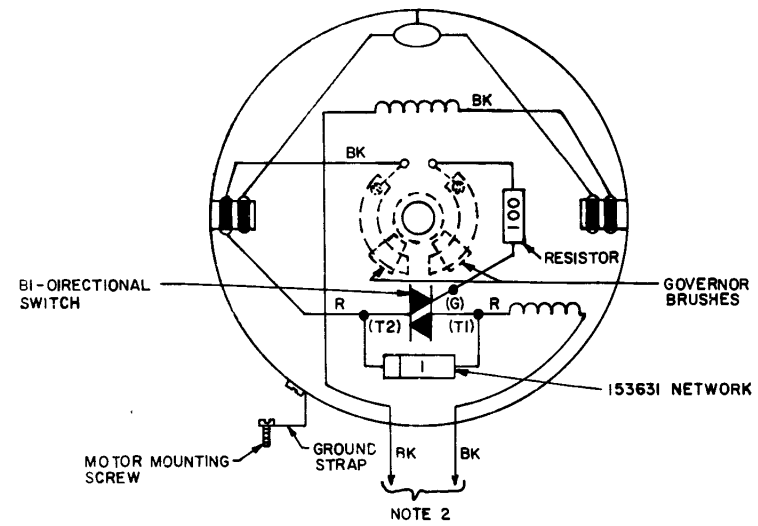
LMU 23 (48 VOLTS)
WITHOUT RADIO FREQUENCY SUPPRESSORS
FOR USE ON 48 V.D.C. POWER SUPPLY ONLY.



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

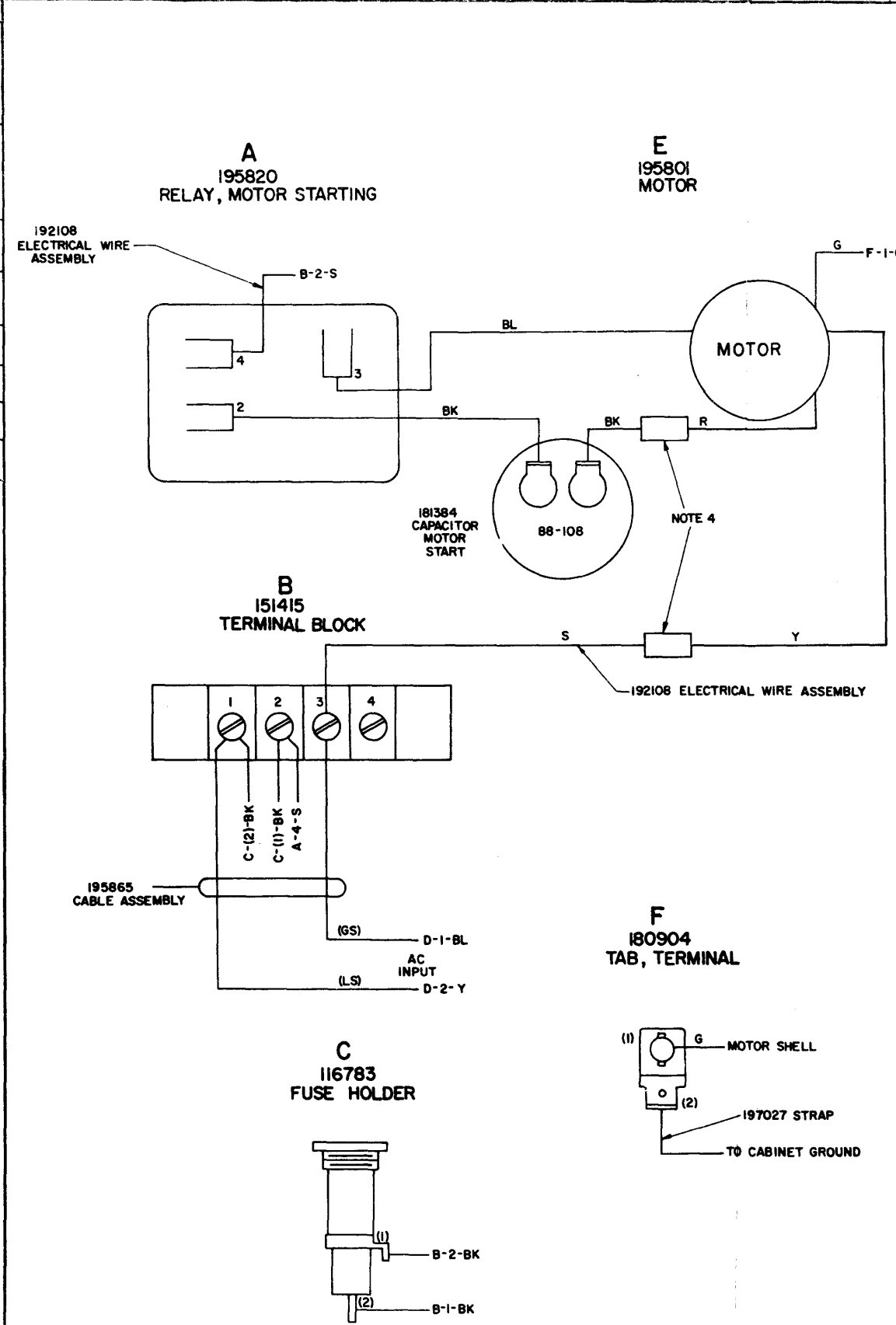
APPROVALS

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

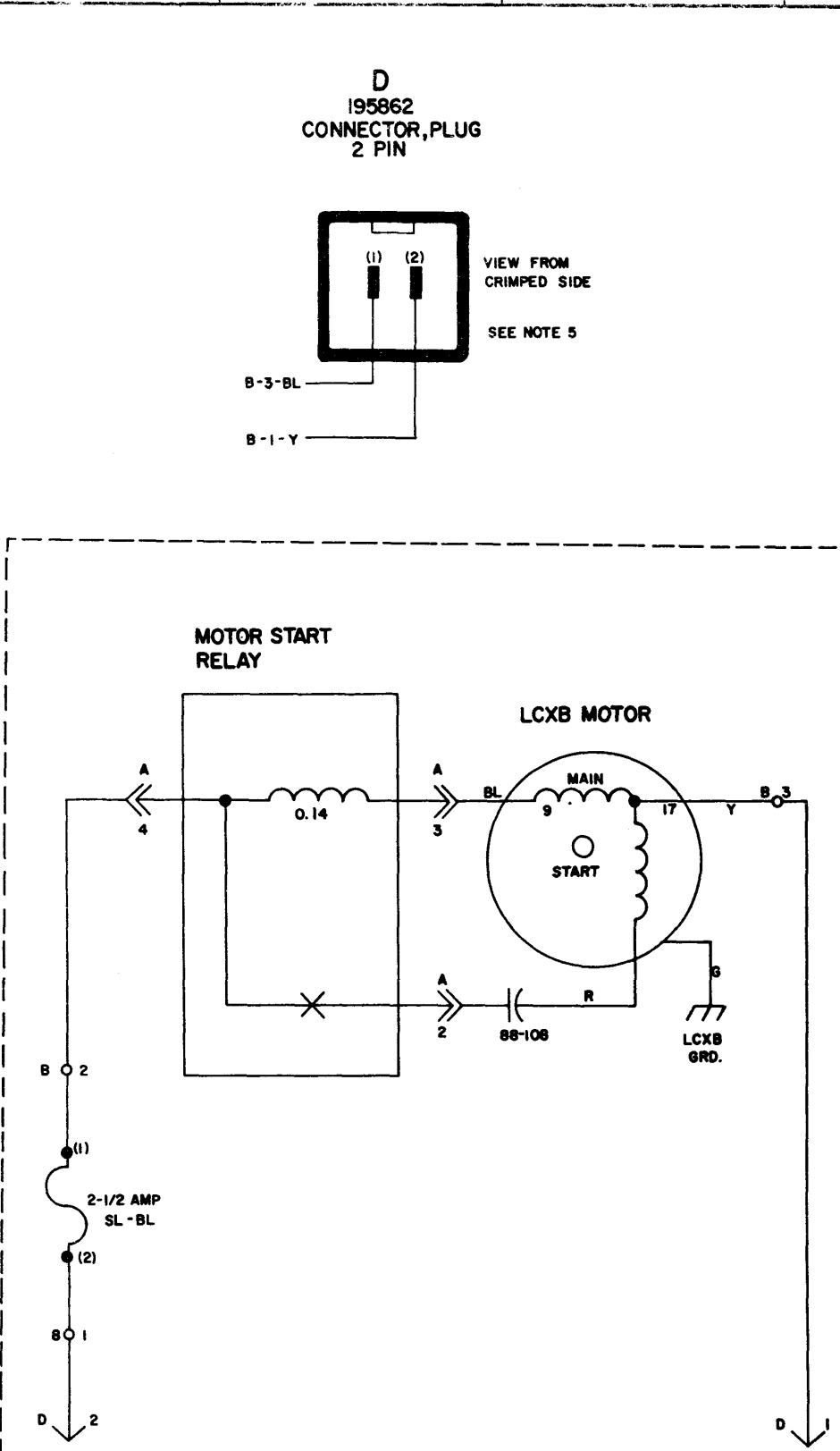
TELETYPE CORPORATION

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
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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

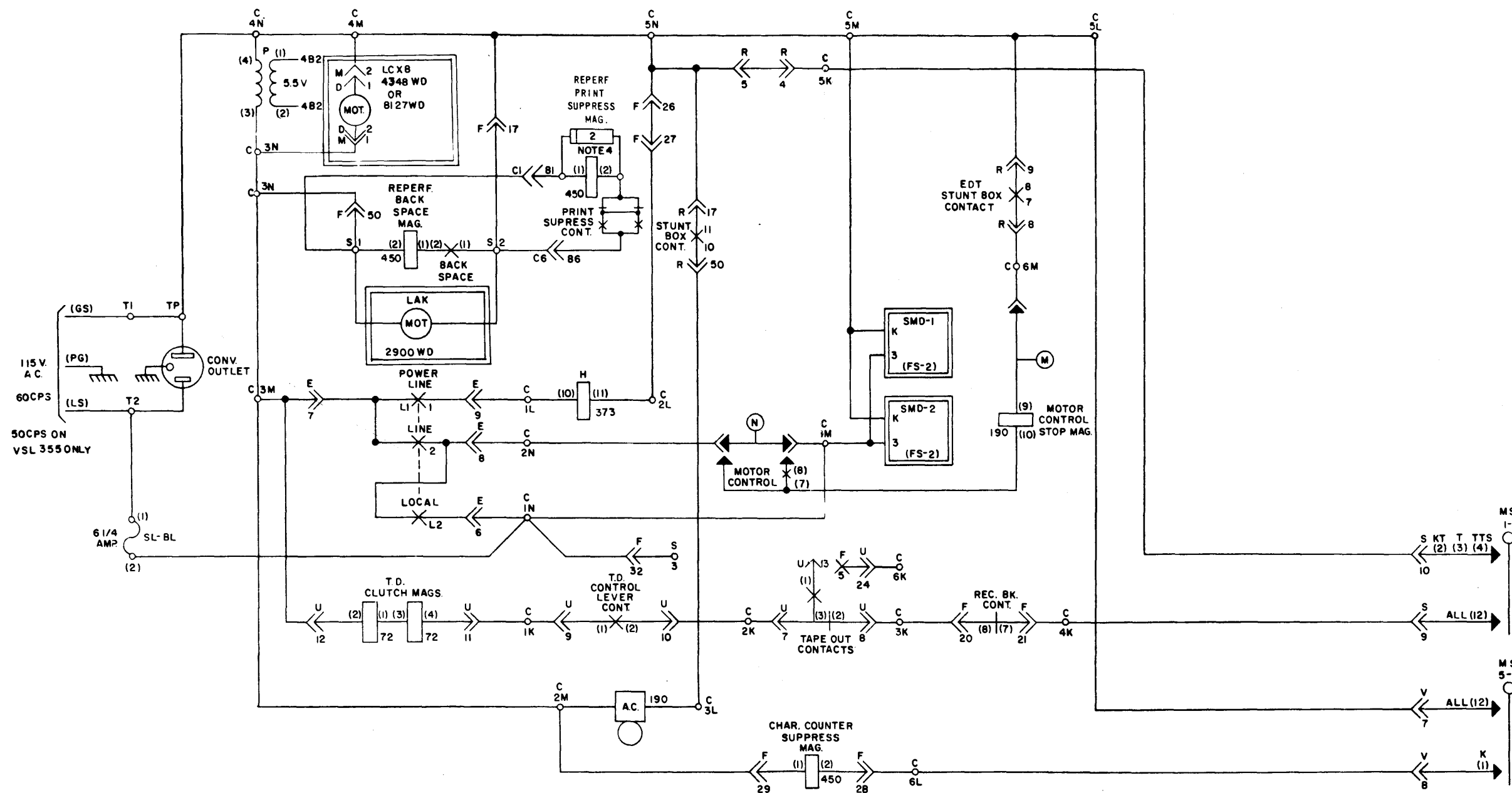
FS-3 AC-POWER

NOTE:
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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	84587
8	1-5-65	84060
9	12-11-65	89017
10	8-2-66	91499-RC
11	5-3-67	93297
12	12-4-67	94819-B
13	12-21-67	95147-RC



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

SHEET 3

WDP

SCHEMATIC
WIRING DIAGRAM
FOR
MODEL 35 ASR SETS
35AR, 35AS, VSL327, VCL339,
VCL351, 379 & 389
VSL 355
(VCL 401)

APPROVALS

D AND R	E OF M
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E-NUMBER

PROD. NO. 6384 WD

DATE 6-30-66

P.D. FILE NO. G-A151AA

DRAWN F.C.S.

CHKD.

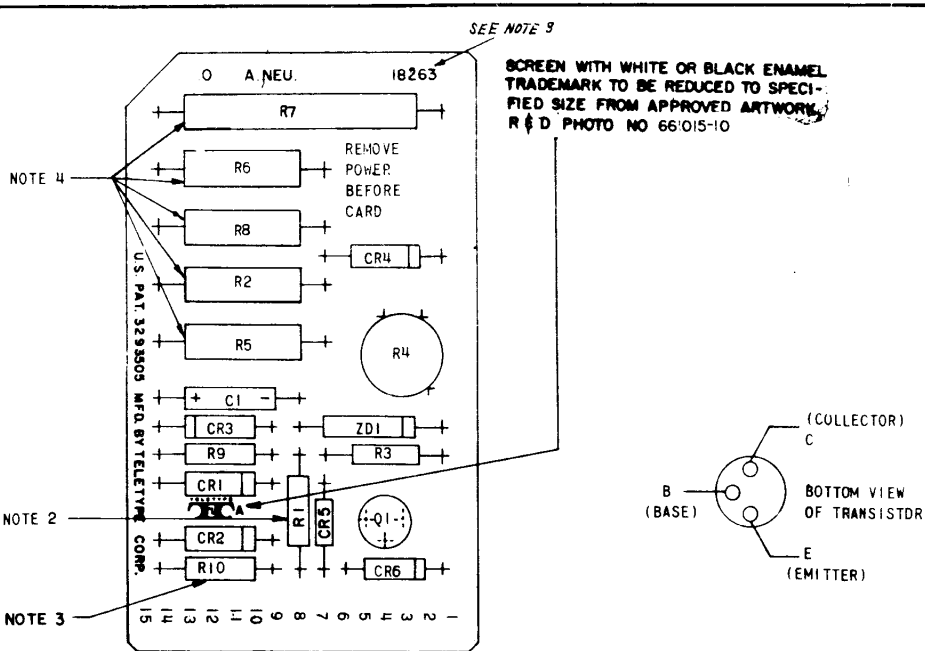
ENGD.

APPD.

TELETYPE
CORPORATION

6384 WD

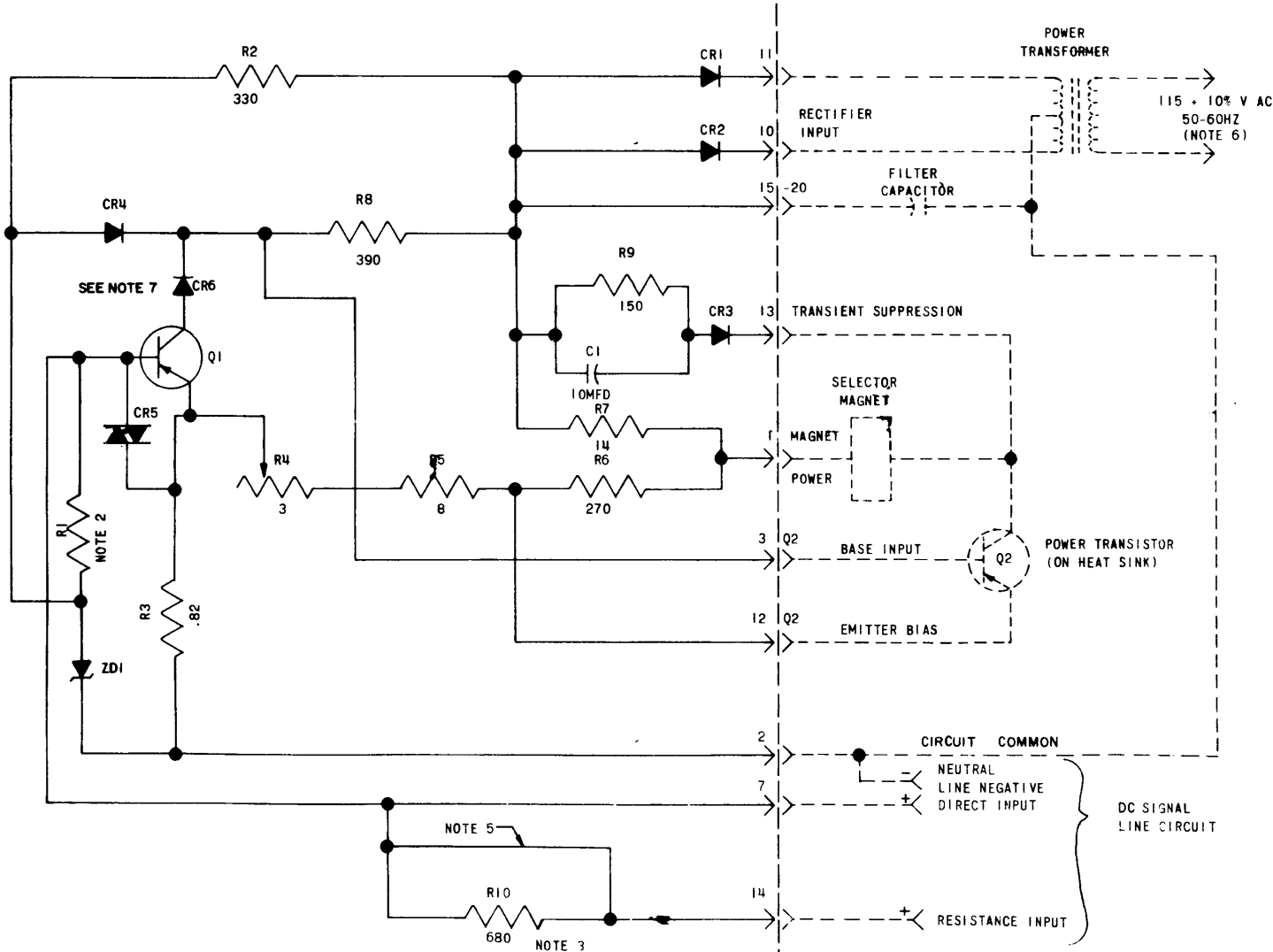
NO.	NOTES
1.	REFER TO 5906WD FOR CARD MARKING INFORMATION.
2.	THE SELECTION OF THIS RESISTOR DEPENDS ON THE APPLICATION IN WHICH THE DRIVER IS TO BE USED.
3.	R10 IS USED ON 18263D ASSEMBLY ONLY.
4.	RAISE R2,5,6,7,8 1/32 TO 1/16 ABOVE CIRCUIT CARD.
5.	THE 39603RM STRAP IS USED ON THE 182631 AND 182632 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	SELECT ONE SEE NOTE 2	RESISTOR 420 OHMS 1/2W	.010 AMP. SWITCHING	182630	.020A NEUTRAL LINE
"	182797		RESISTOR 135 OHMS 1/2W	.030 AMP. SWITCHING	182631	.060A " "
"	182180		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		SAME AS CR1	POWER RECTIFIER		
CR3	181619	2	DIODE 1N482	COLLECTOR TRANSIENT LIMITING		
CP4	181619		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



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.

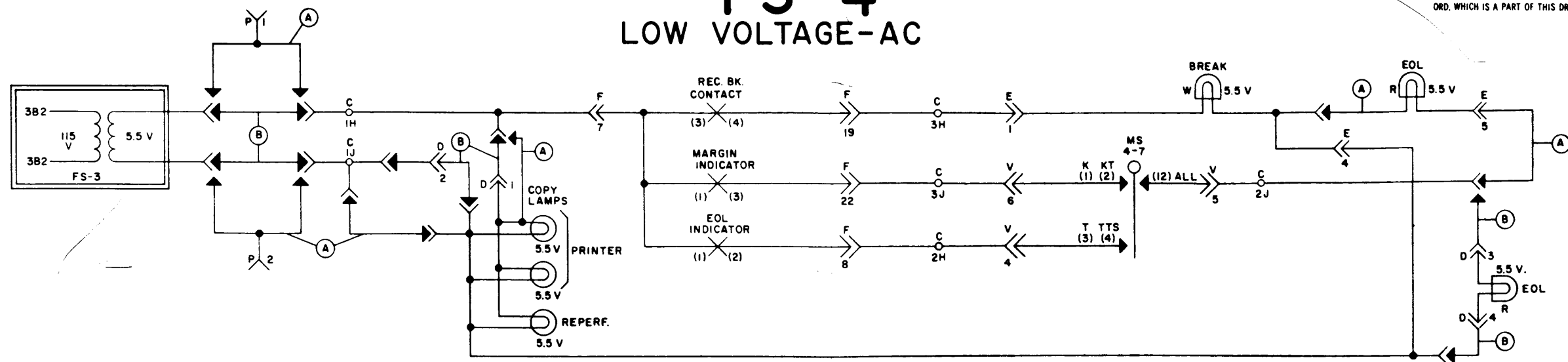
WITH THE SIGNAL LINE IN THE OPEN OR SPACING CONDITION, Q1 IS TURNED ON BY BASE CURRENT SUPPLIED THROUGH RESISTOR R1. THE POTENTIAL AT THE COLLECTOR OF Q1 WILL BE NEAR ZERO. OFF-BIASING Q2. WITH Q2 OFF, NO SELECTOR MAGNET CURRENT FLOWS, ALLOWING THE MAGNET TO RELEASE. DURING THE TURN OFF OF Q2 THE INDUCTIVE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

APPROVALS	
D AND R HJK	E OF M
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



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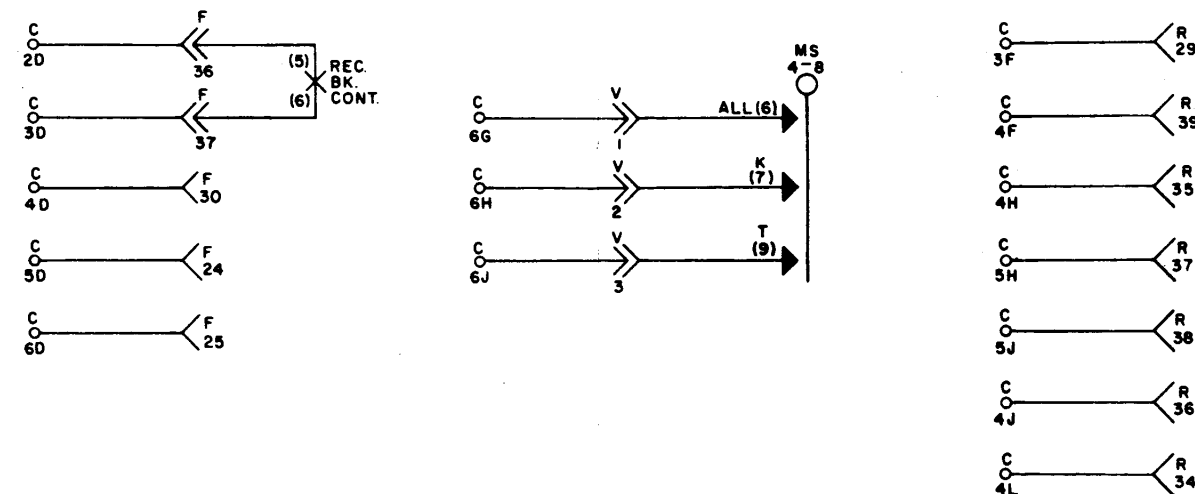
6384WD

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9	12-11-65	89017
10	8-2-66	91499-RC
11	5-3-67	93297

FS-5

WIRED SPARE EQUIPMENT



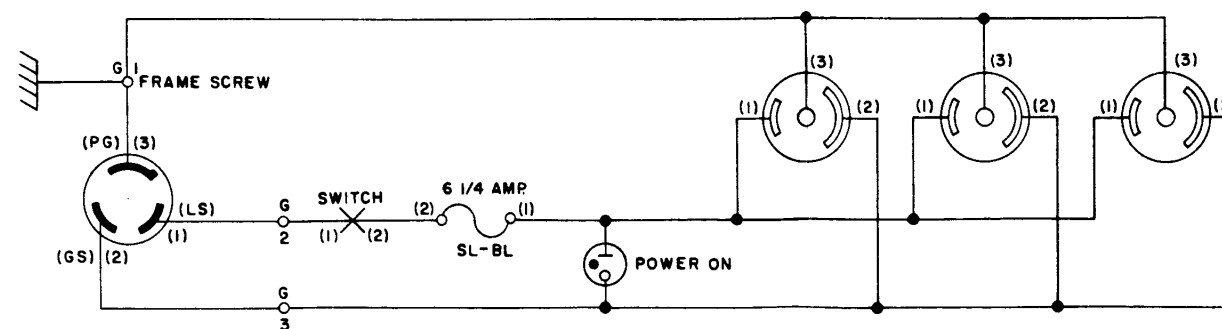
SEE ISSUE CONTROL RECORD FOR COM-
PLETE LIST OF SHEETS COMPRISING THIS
W.D.

SHEET 4

WDP

FS-6

RELAY RACK ASSEMBLY (VCL389)



SCHEMATIC
WIRING DIAGRAM
FOR
MODEL 35 ASR SETS
35AR, 35AS, VCL327, VCL339,
VCL 351, 379, & 389
VSL 355
(VCL 401)

APPROVALS

D AND R E OF M

E-NUMBER

PROD. NO. 6384 WD

DATE 7-5-66

P.D. FILE NO. G-A151AA

DRAWN I C S. CHKD.

ENG. APPD.

TELETYPE
CORPORATION

6384WD

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REVISIONS

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

D AND R	E OF M
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6384 WD



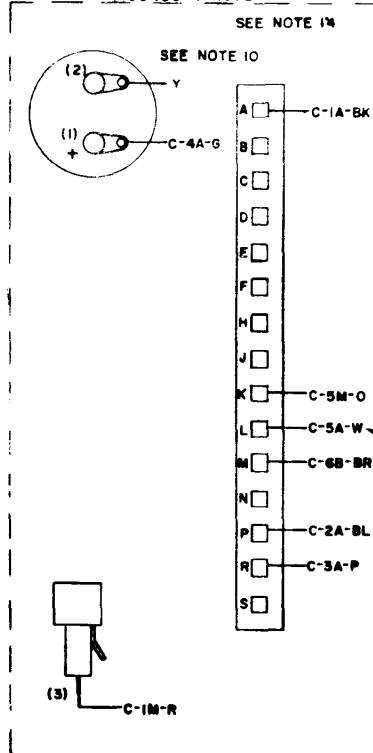
NOTE
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6394 WD

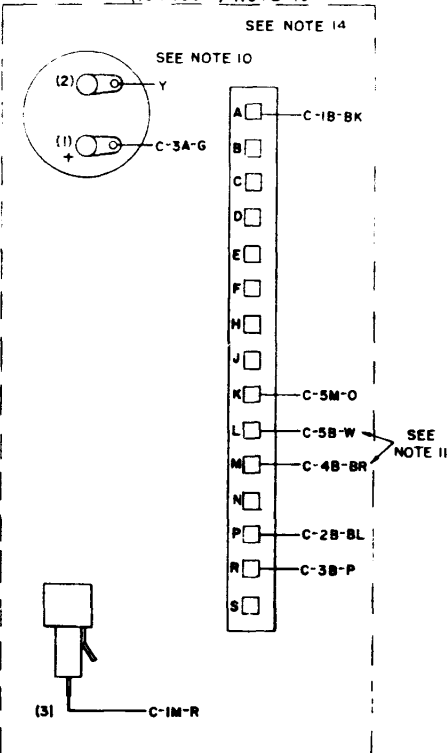
REVISIONS

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	5-26-67	94063
11	5-26-67	93296
12	5-6-68	95524-1

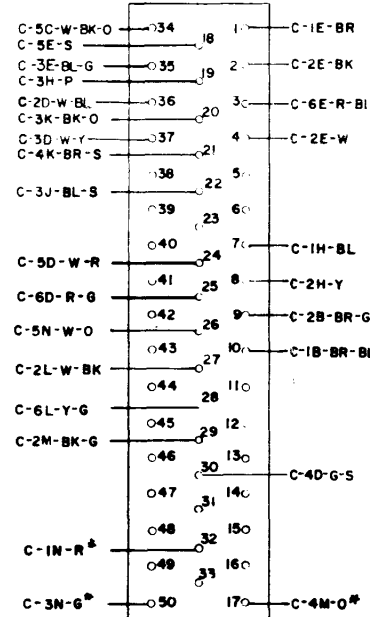
SMD 1
LP SELECTOR MAGNET DRIVER
(193485) NOTE 19



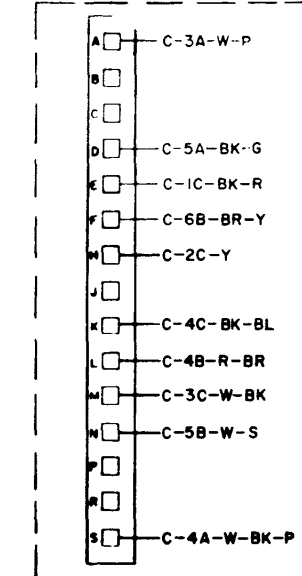
SMD 2
LRPE SELECTOR MAGNET DRIVER
(193485) NOTE 19



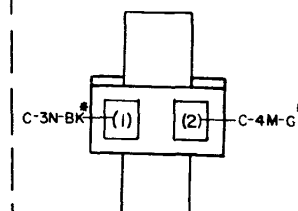
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KEYBOARD CONNECTOR
(192014)



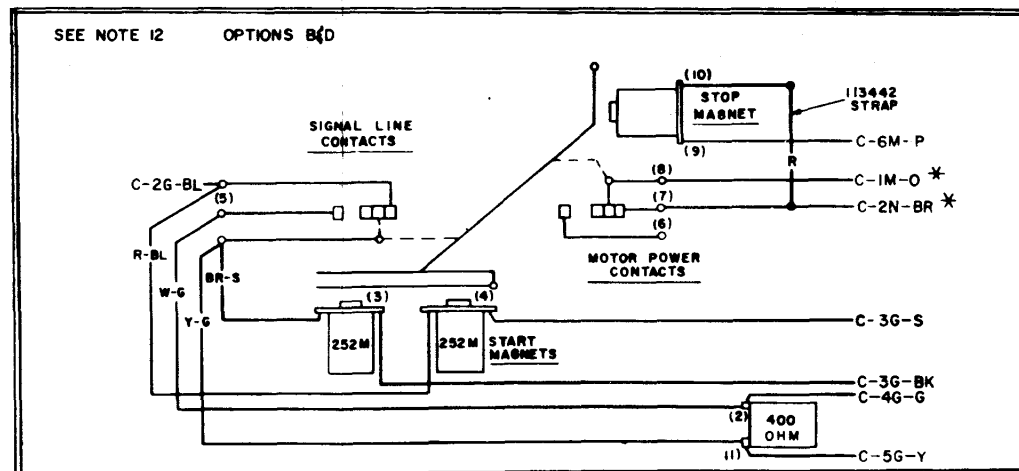
L
AUXILIARY
POWER SUPPLY ASSEMBLY
(198209)



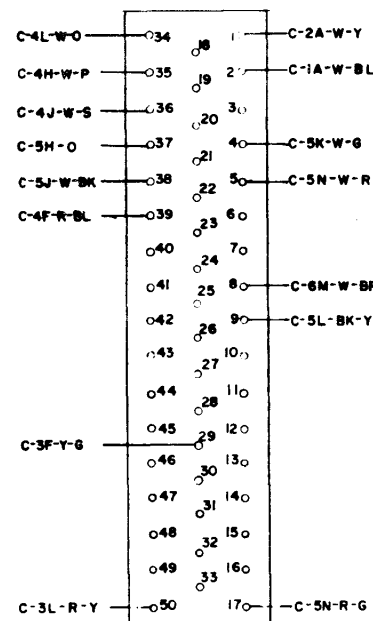
M
CONNECTOR
(195863)



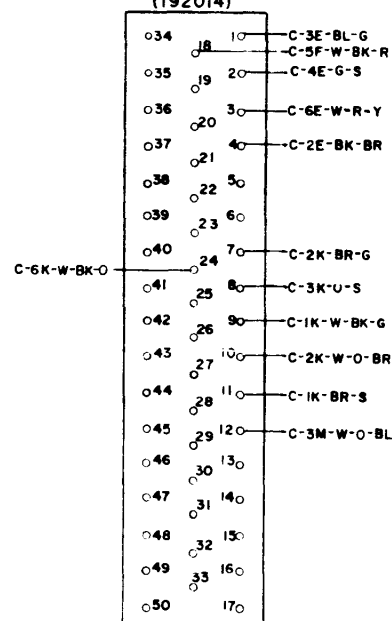
W
ELECTRICAL MOTOR CONTROL ASSEMBLY
(197035)



R
PAGE PRINTER CONNECTOR
(192014)

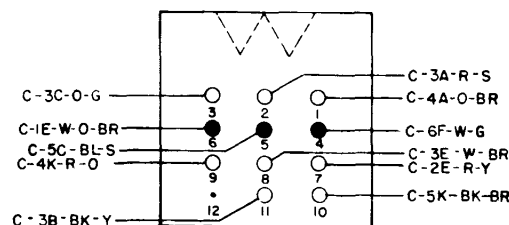


U
TRANSMITTER DISTRIBUTOR
CONNECTOR
(192014)



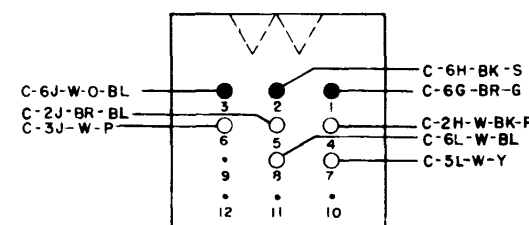
S

MODE SWITCH
CONNECTOR
(182648)



V

MODE SWITCH
CONNECTOR
(182648)



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

P.D. FILE NO. 1-159.151AA

DRAWN

CHKD. J.G.M.

ENG'D. W.E.C.

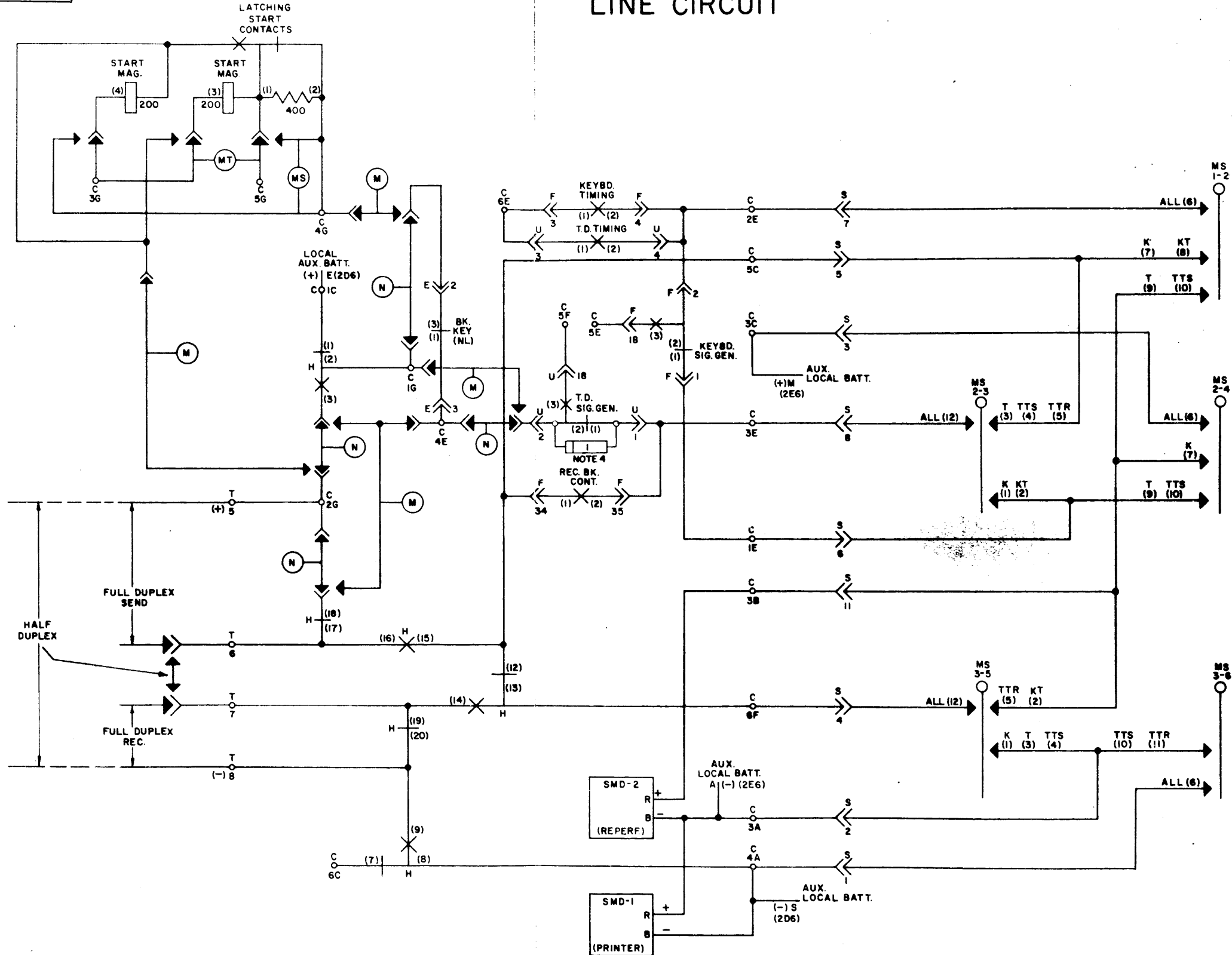
APPD. B.G.G.

TELETYPE
CORPORATION

6394 WD

NO.	NOTES																																				
1.	WIRING DIAGRAMS:																																				
	<table><tr><th>NUMBER</th><th>UNIT</th></tr><tr><td>2900WD</td><td>MOTOR UNIT LMU-3-LMU 38(V</td></tr><tr><td>4348 WD</td><td>LCXB 806</td></tr><tr><td>5814 WD</td><td>LXD</td></tr><tr><td>5983 WD</td><td>SMD 193485- 50 - 60 CPS (NOT</td></tr><tr><td>5984 WD</td><td>LPR</td></tr><tr><td>6043 WD</td><td>LP FRICTION FEED</td></tr><tr><td>OR</td><td></td></tr><tr><td>6044 WD</td><td>LP SPROCKET FEED</td></tr><tr><td>6380 WD</td><td>POWER PANEL</td></tr><tr><td>6394 WD</td><td>LESU 313</td></tr><tr><td>6395 WD</td><td>LAK</td></tr><tr><td>6903 WD</td><td>198242 SWITCH PANEL</td></tr><tr><td>7442 WD</td><td>318999 RELAY RACK</td></tr><tr><td>7584 WD</td><td>COPY LIGHT</td></tr><tr><td>182630</td><td>CIRCUIT CARD-SMD</td></tr><tr><td>198248</td><td>AUX. POWER CARD</td></tr><tr><td>8127WD</td><td>LCXB 812 (VSL355 ONLY)</td></tr></table>	NUMBER	UNIT	2900WD	MOTOR UNIT LMU-3-LMU 38(V	4348 WD	LCXB 806	5814 WD	LXD	5983 WD	SMD 193485- 50 - 60 CPS (NOT	5984 WD	LPR	6043 WD	LP FRICTION FEED	OR		6044 WD	LP SPROCKET FEED	6380 WD	POWER PANEL	6394 WD	LESU 313	6395 WD	LAK	6903 WD	198242 SWITCH PANEL	7442 WD	318999 RELAY RACK	7584 WD	COPY LIGHT	182630	CIRCUIT CARD-SMD	198248	AUX. POWER CARD	8127WD	LCXB 812 (VSL355 ONLY)
	NUMBER	UNIT																																			
	2900WD	MOTOR UNIT LMU-3-LMU 38(V																																			
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	198248	AUX. POWER CARD																																			
	8127WD	LCXB 812 (VSL355 ONLY)																																			
	2.	LEGEND:																																			
<div><div><div>S</div><div>MOTOR TERM BLK - LAK</div></div><div><div>T</div><div>POWER & SIG LINE TERM. BLK.-LESU</div></div><div><div>C</div><div>WIRING FIELD TERMINAL BLK.</div></div><div><div>M D</div><div>MOTOR CONNECTOR TRANS. DIST.</div></div><div><div>G</div><div>POWER TERM. BLK.-RELAY RACK</div></div><div><div>F</div><div>KEYBOARD CONNECTOR</div></div><div><div>R</div><div>PRINTER CONNECTOR</div></div><div><div>E</div><div>POWER PANEL CONNECTOR</div></div><div><div>U</div><div>TRANS. DIST. CONNECTOR</div></div><div><div>S</div><div>MODE SWITCH CONNECTOR</div></div><div><div>V</div><div>MODE SWITCH CONNECTOR</div></div><div><div>B C</div><div>LPR PRINT SUPPRESS CONNECTOR</div></div><div><div>D</div><div>COPY LAMP CONNECTOR (B)</div></div><div><div>P Y</div><div>COPY LAMP CONNECTOR (A)</div></div></div>																																					
3.		OPTIONS:																																			
		<div><div>T</div>20 MA LINE</div>																																			
		<div><div>S</div>60 MA LINE</div>																																			
		<div><div>MT</div>MOTOR CONTROL-20 MA LINE</div>																																			
		<div><div>MS</div>MOTOR CONTROL-60 MA LINE</div>																																			
		<div><div>A</div>WIRING FOR SETS HAVING EOL LAMP ADJACENT TO KEYBOARD.</div>																																			
		<div><div>B</div>WIRING FOR SETS HAVING EOL LAMP ON UPPER COVER.</div>																																			
		<div><div>N</div>NORMAL- NOT EQUIPPED WITH MOTOR CONTROL.</div>																																			
		<div><div>M</div>MOTOR CONTROL</div>																																			
		4.	<div><div><div><div></div></div><div>R</div><div><div></div></div><div>C</div><div></div></div></div>																																		
<table><tr><th>NETWORK</th><th>PART NO.</th><th>R (OHMS)</th><th>C (MFD.)</th></tr><tr><td>1</td><td>154166</td><td>470</td><td>.10</td></tr><tr><td>2</td><td>178535</td><td>470</td><td>.13</td></tr></table>			NETWORK	PART NO.	R (OHMS)	C (MFD.)	1	154166	470	.10	2	178535	470	.13																							
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.																																			

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

SEE ISSUE CONTROL RECORD FOR COM-
PLETE 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	E OF M
HJK	U

E-NUMBER

PROD. NO. 6384 WD

DATE 6-24-66

P.D. FILE NO. G-A151AA

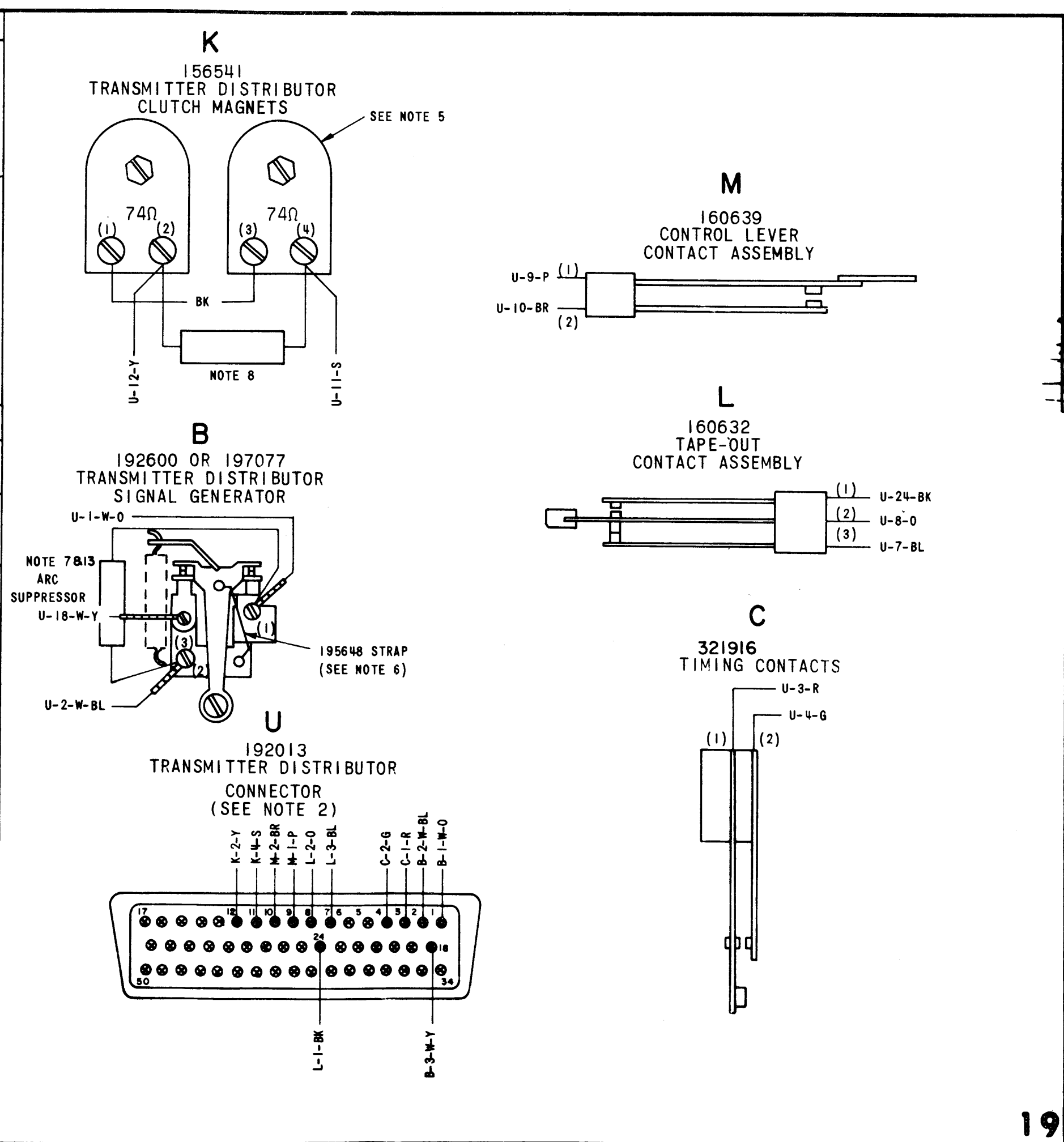
DRAWN F.C.S. CHKD.

ENGD. APPD.

TELETYPE
CORPORATION

6384WD

NO.	NOTES						
1.	<p>WIRING LEGEND:</p> <div><p>A-I-W-BL</p><p>WIRE COLOR CODE</p></div>						
2.	<p>COLOR CODE:</p> <p>BK - BLACK BR - BROWN R - RED O - ORANGE Y - YELLOW G - GREEN BL - BLUE P - PURPLE W - WHITE S - SLATE</p>						
3.	CONNECTOR VIEWED FROM WIRING SIDE.						
4.	ALL CONTACTS SHOWN IN UNOPERATED POSITION. CONTROL LEVER IN STOP POSITION (WHERE APPLICABLE).						
5.	48V DC \pm 10% POWER TO BE USED ON CLUTCH TRIP MAGNET ASSEMBLY CIRCUIT WITH AN EXTERNAL 350 OHM RESISTOR.						
6.	THE 195648 STRAP IS NOT PRESENT IN EARLY MANUFACTURED UNITS.						
7.	154166 ARC SUPPRESSOR ON LXD804 ONLY. DISCONNECT ONE ARC SUPPRESSOR LEAD WHEN STROBING SIGNAL GENERATOR.						
8.	178535 SPARK SUPPRESSOR ASSEMBLY (153631 NETWORK).						
9.	FOR TELETYPE PERSONNEL, REFER TO SPEC. 6880S.						
10.	CROSS REFERENCE ACTUAL TO SCHEMATIC: <table><tr><td>WD NO.</td><td>VSL CODE</td><td>UNIT CODE</td></tr><tr><td>7804WD</td><td>VSL324</td><td>LXD804</td></tr></table>	WD NO.	VSL CODE	UNIT CODE	7804WD	VSL324	LXD804
WD NO.	VSL CODE	UNIT CODE					
7804WD	VSL324	LXD804					
11.	NUMBERS IN PARENTHESES ARE NOT MARKED ON COMPONENT.						
12.	TIMING CONTACT USED IN CONJUNCTION WITH SIGNAL REGENERATOR ASSEMBLY 305445 OR 305446 (OPTIONAL).						
13.	THE 154166 ARC SUPPRESSOR MUST BE DISCONNECTED IN SYSTEMS THAT EMPLOY THE 312325 OR 323609 REGENERATOR CARDS.						



5814 WD		
ISSUE	DATE	AUTH. NO.
1	6-15-62	73747
2	7-5-62	73985
3	9-10-62	74459
4	1-10-63	75390
5	2-12-63	75851
6	3-5-63	75883
7	3-13-63	76027
8	6-1-64	82547
9	11-2-64	84468
10	8-18-65	87498
11	9-10-65	87498-2
12	2-16-66	89706
13	2-22-66	90356
14	4-5-66	90384
15	8-16-66	91444
16	9-19-66	91284
17	12-13-66	91976
18	4-12-67	93156

WDP

ACTUAL
WIRING DIAGRAM
FOR MODEL 35
TRANSMITTER
DISTRIBUTOR

LXD803
LXD804
LXD809

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.

ENG'D. J. V. P. APP'D.

TELETYPE CORPORATION

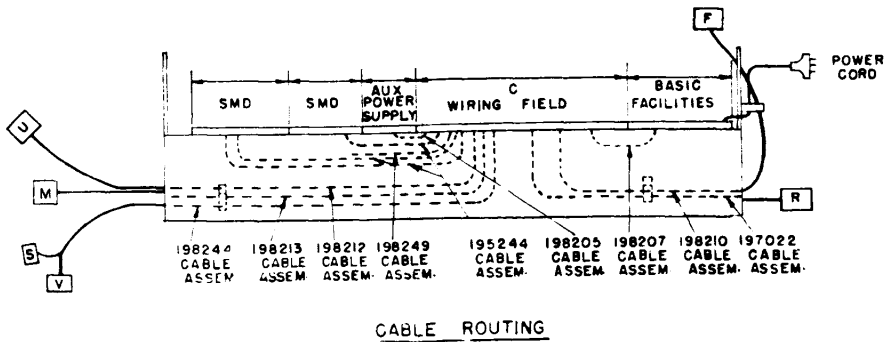
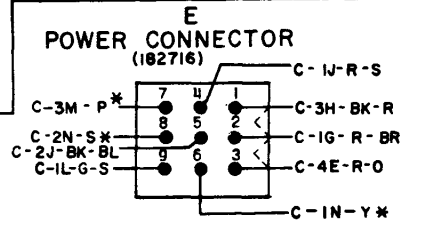
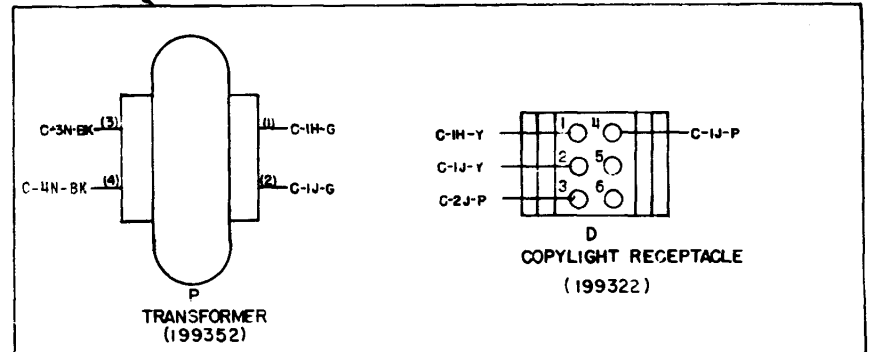
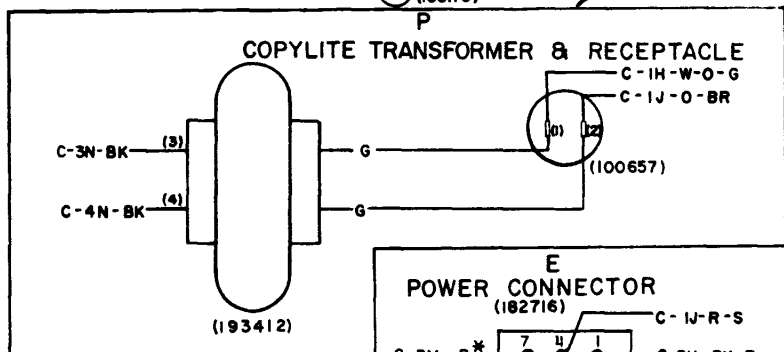
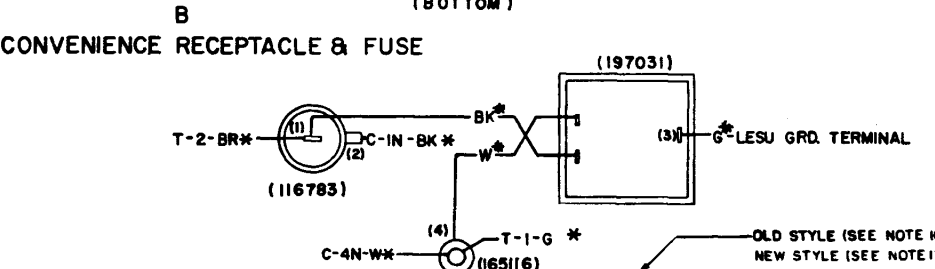
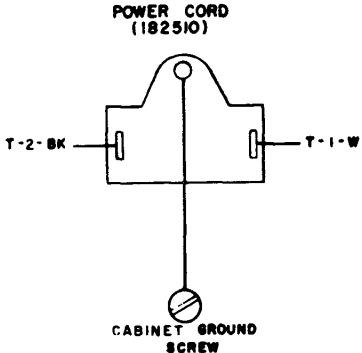
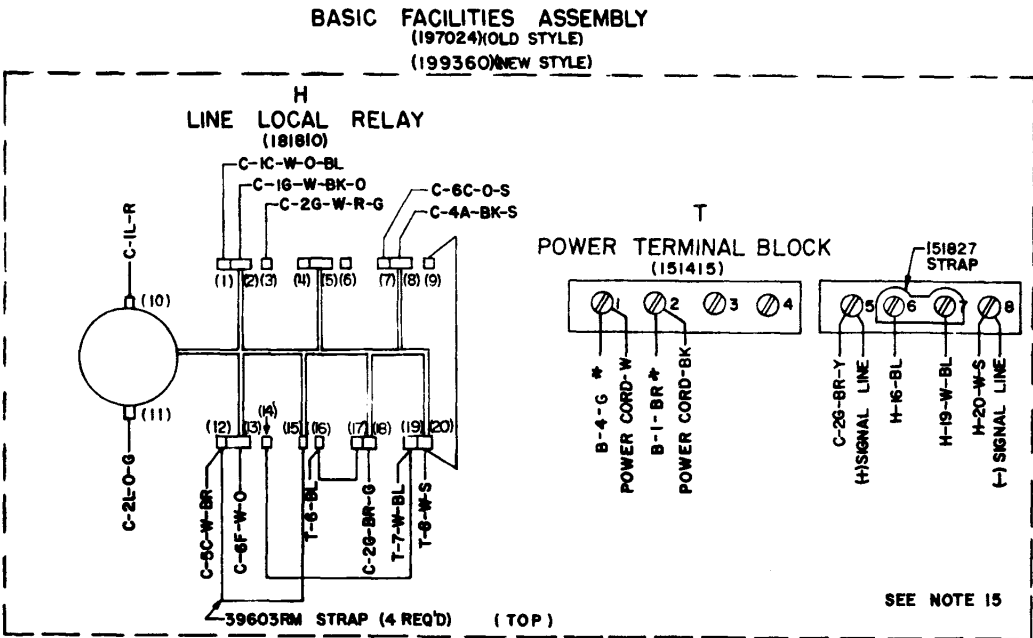
5814 WD

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.
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	11-25-65	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

SEE SHEET 1 FOR NOTES.

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

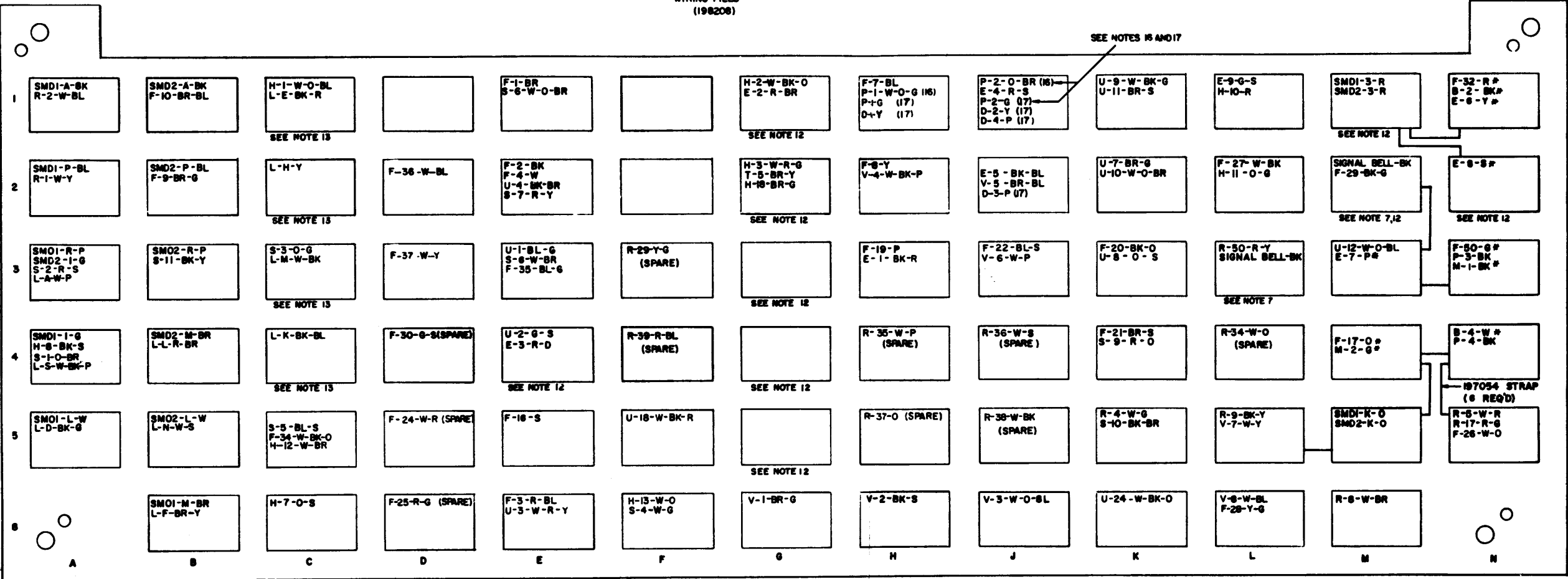
6394WD

REVISIONS

ISSUE	DATE	AUTH. NO.
A 2	10-7-63	77838
B 3	1-23-64	79298
C 4	4-6-64	80188
D 5	6-12-64	82025
E 6	7-2-64	80188-1
F 7	9-9-64	83617
G 8	12-11-64	84597
H 9	11-25-66	91980

C
WIRING FIELD
(198208)

SEE NOTES 16 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 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

6394WD

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	90936
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

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

3. ALL COMPONENTS VIEWED FROM THE SOLDERED SIDE

4. FOR ASSOCIATED W.D.'S SEE 182630 (20MA) 182631 (60MA)

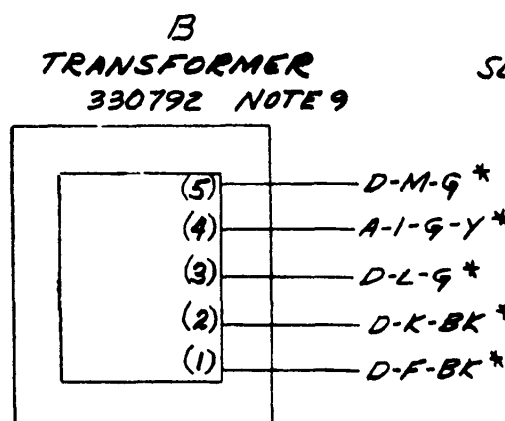
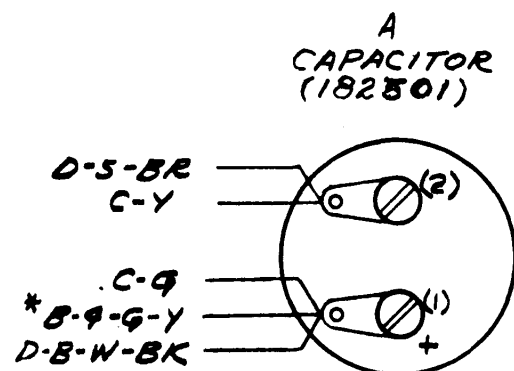
5. SIGNAL INPUT IMPEDANCE IS 30 OHMS, FOR 680 OHM RESISTANCE REMOVE 113492 STRAP

6. * INDICATES 18 GA WIRE

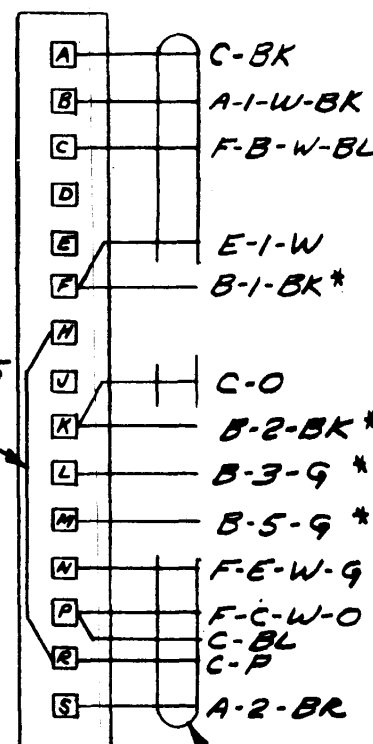
7. FOR TELETYPE PERSONNEL REFER TO SPEC 60.5275.

8. NUMBERS IN PARENTHESIS ARE NOT MARKED ON COMPONENTS

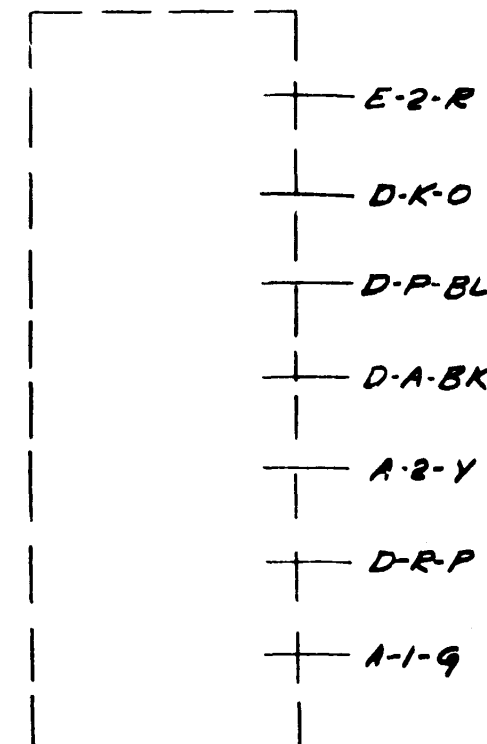
9. SOME UNITS CONTAIN 195153-60 HERTZ OR 181878-50/60 HERTZ TRANSFORMER



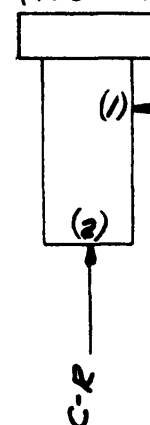
D
CARD CONNECTOR
(198649)



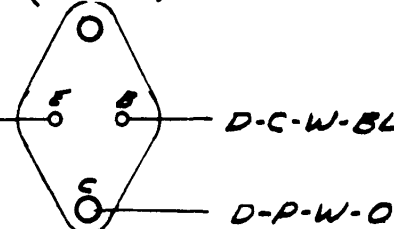
C
WIRING FIELD (LESU)



E
FUSE HOLDER
(116783)



F
POWER TRANSISTOR
(181675)



WRAP & SOLDER (10) ENDS OF CABLE 195244 (B) AND (C) TRANSFORMER WIRES.

TABLE I

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

ACTUAL WIRING DIAGRAM OF 5983 WD CONSTANT CURRENT SELECTOR MAGNET DRIVER FOR M35 SETS

(SEE TABLE I)

APPROVALS

D AND R E OF M
F.L. ✓

E-NUMBER

PROD. NO. 5983 WD

DATE: 11-10-62

P.D. FILE NO. 1-159.151AA

DRAWN PSD CHKD. JEM

ENGD. JGM APPD. BCB

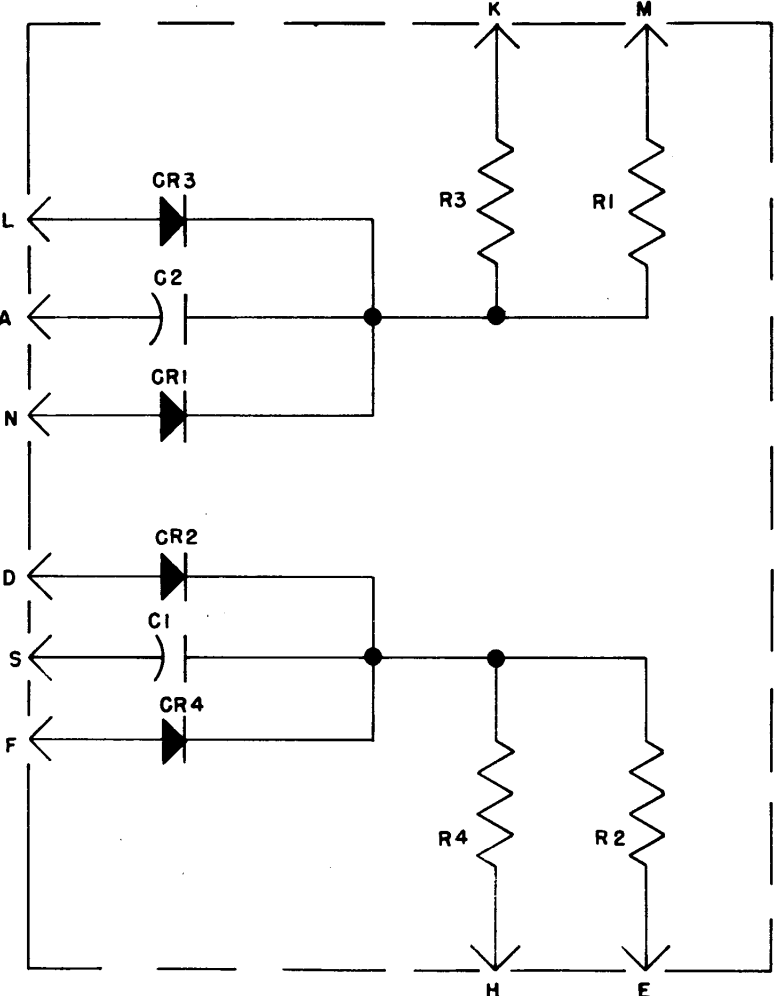
TELETYPE CORPORATION

5983 WD

REVISIONS

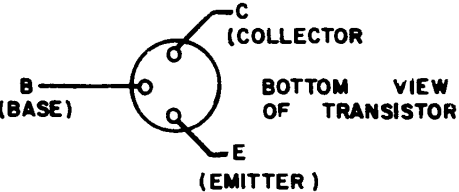
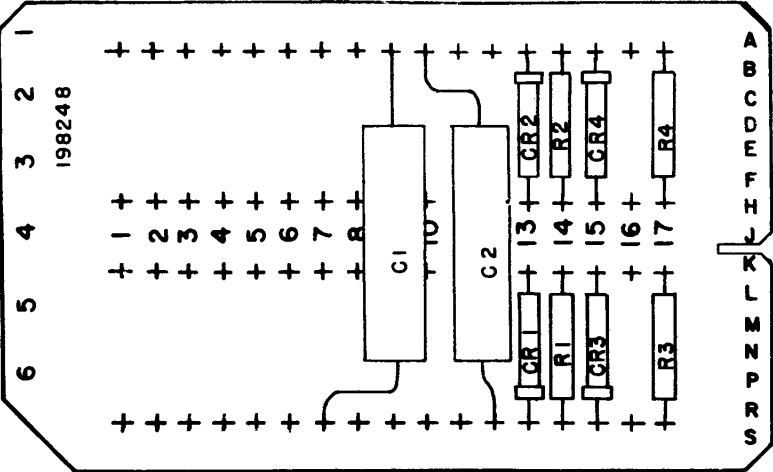
ISSUE	DATE	AUTH. NO.
2	9-18-63	77527
3	2-17-64	80150
4	1-24-66	89862

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



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

177499



NOTE:
REFER TO 5016 WD FOR MARKING INFORMATION.

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		

WDP

APPROVALS

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

E-NUMBER.
PROD. NO. 198248

DATE 6-29-63
FILE NO. 3-A15/116.219A
DRAWN. R.G.K. CHKD. J.L.M.
ENG. R.D.S. APPD. B.S.

TELETYPE CORPORATION

NOTES

I. 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.

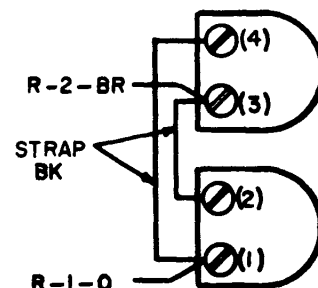
8. SELECTOR COIL IS WIRED FOR .500AMP OPERATION.

9. ASSOCIATED CABLE ASSEMBLIES: CABLE ASSEMBLY - 197045 (AREA R-W) CABLE ASSEMBLY - 192484 (AREA R-V) CABLE ASSEMBLY - 179718 (AREA R-X) LP840

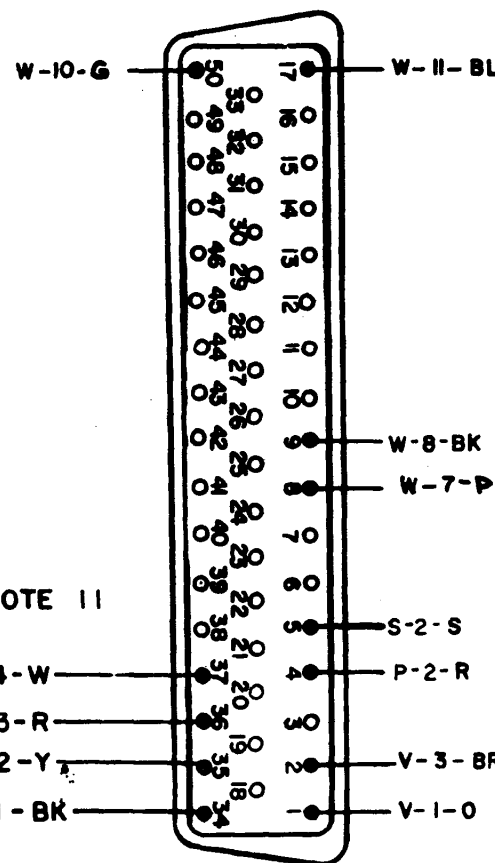
10. TERMINAL DESIGNATION ENCLOSED IN PARENT-HESIS ARE FOR REFERENCE AND ARE NOT MARKED ON COMPONENT.

II. WIRING FOR LP 840 ONLY.

V SELECTOR MAGNET 192570



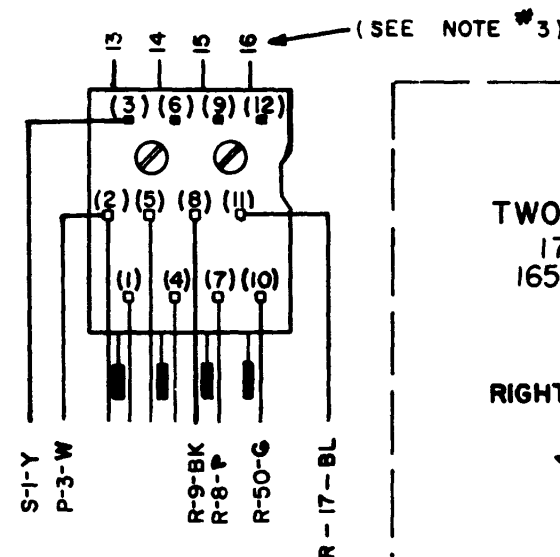
R PRINTER CONNECTOR 192013 (SEE NOTE 2)



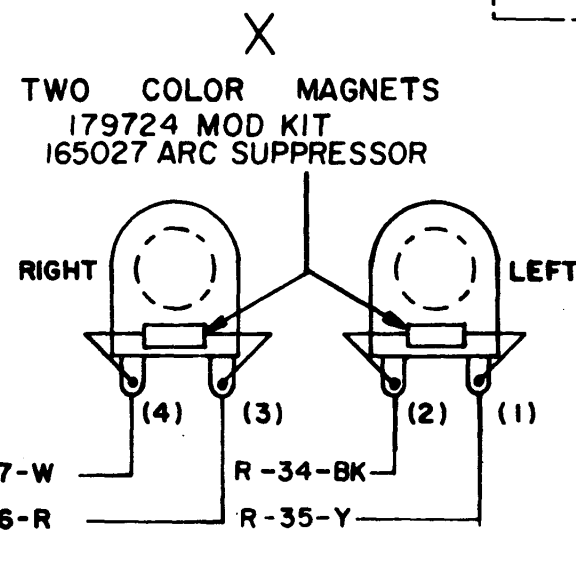
NOTE 11

X-4-W
X-3-R
X-2-Y
X-1-BK

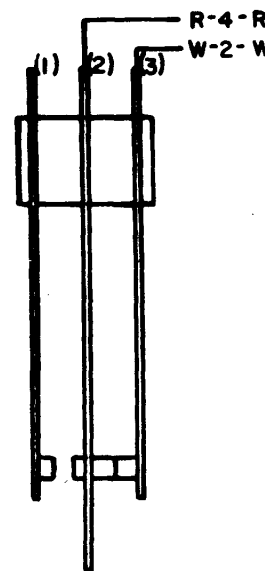
W STUNT BOX CONTACTS ARRANGEMENTS



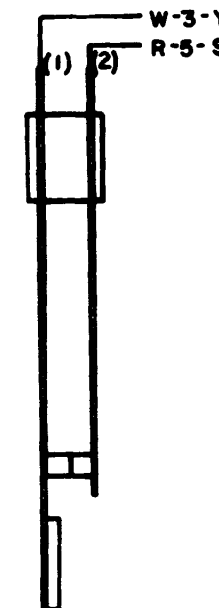
NOTE 11



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

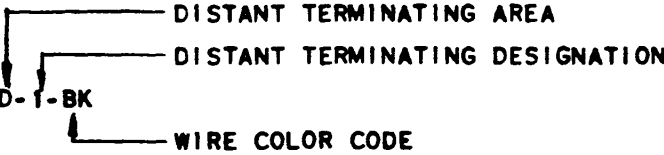
P.D. FILE NO. 1-30.151AA

DRAWN M.K. CHKD

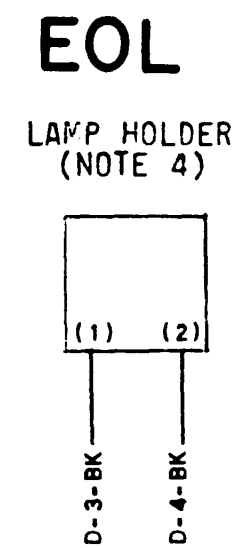
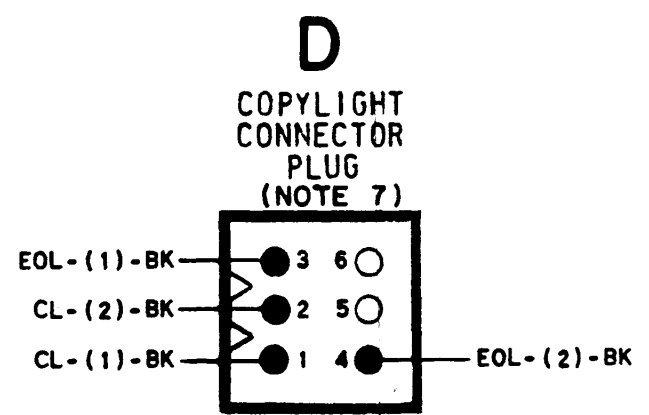
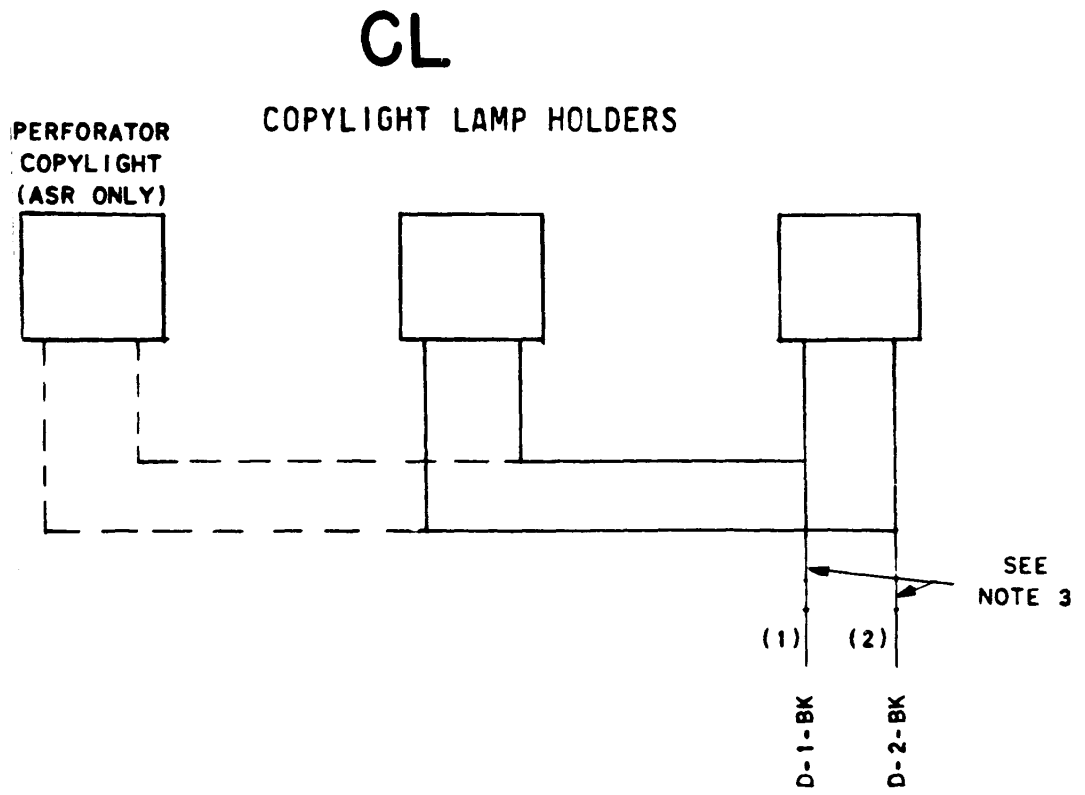
ENGD WEC APPD

TELETYPE
CORPORATION

6044 WD

NO.	NOTES
1.	WIRING LEGEND: 
2.	COLOR CODE: <div style="display: flex; justify-content: space-between;"> <div> W - WHITE BK - BLACK BL - BLUE BR - BROWN G - GREEN </div> <div> R - RED Y - YELLOW S - SLATE O - ORANGE P - PURPLE </div> </div>
3.	ASSOCIATED CABLES: <div style="display: flex; justify-content: space-between;"> <div> 199346 ASSEMBLY (KSR) 199347 ASSEMBLY (ASR) 199354 ASSEMBLY (RO) </div> <div> 199348 CABLE 199323 CABLE (E.O.L.) 199349 CABLE 199323 CABLE (E.O.L.) 199348 CABLE </div> </div>
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.

7584 WD		
REVISIONS		
ISSUE	DATE	AUTH NO.
1	1-13-65	16174-R
2	5-5-65	87048
3	8-18-65	88121



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

6903 WD

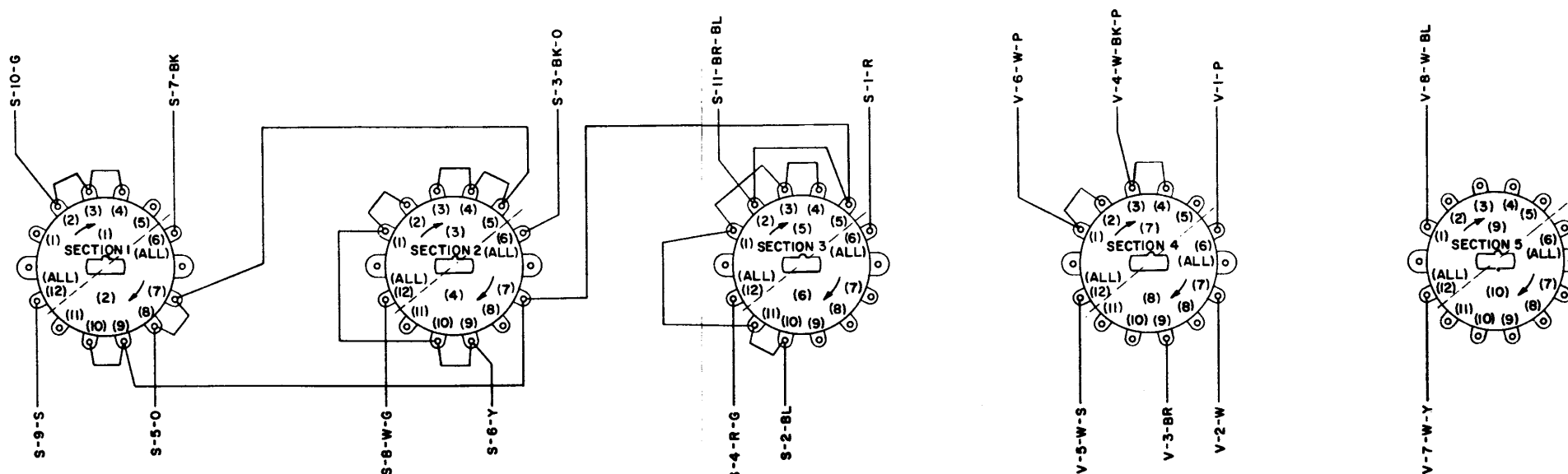
REVISIONS

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)

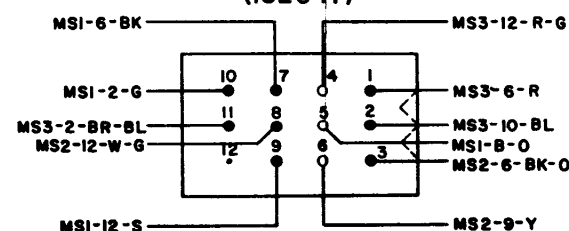
(198253)



S

MODE SWITCH CONNECTOR

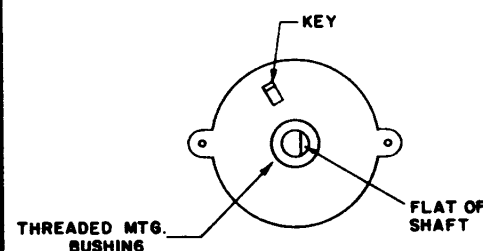
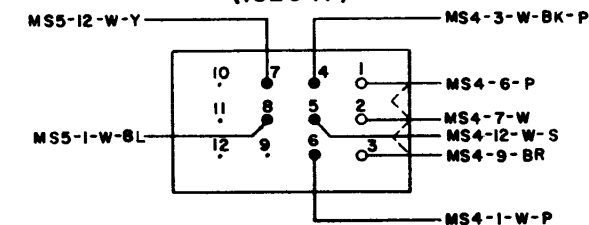
(182647)



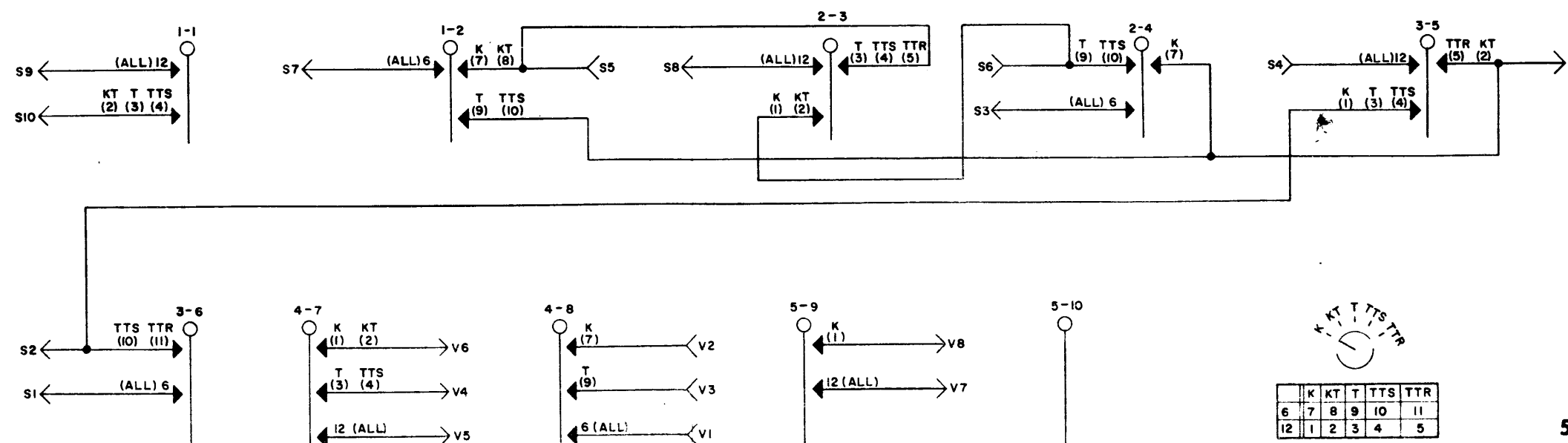
V

MODE SWITCH CONNECTOR

(182647)



SCHEMATIC



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.

ENGD. W.E.C.

L.K.M.

CHKD. *RRS*APPD. *RRS*

TELETYPE
CORPORATION

6903 WD

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.

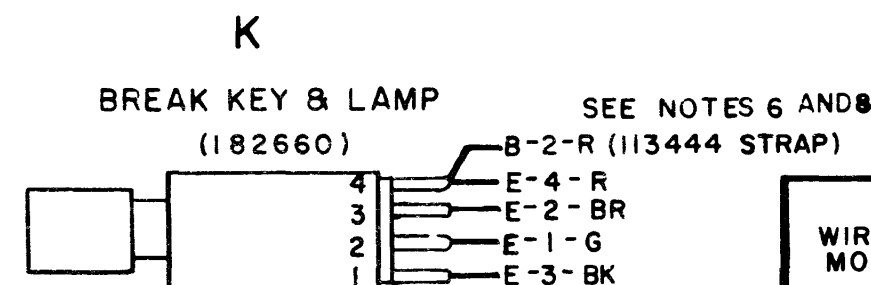
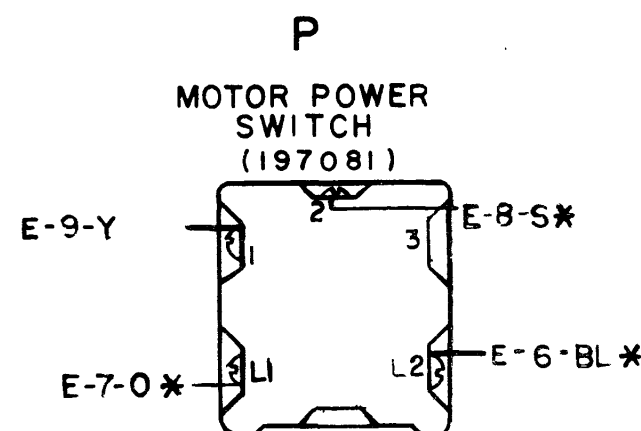
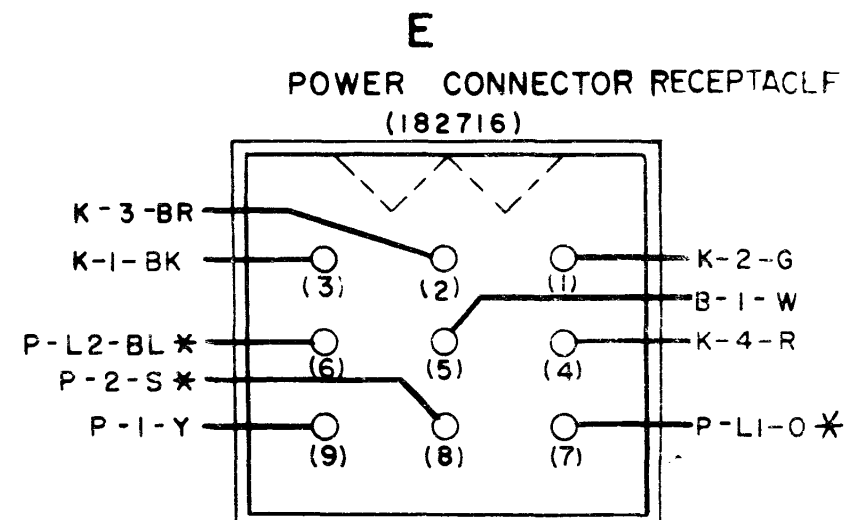
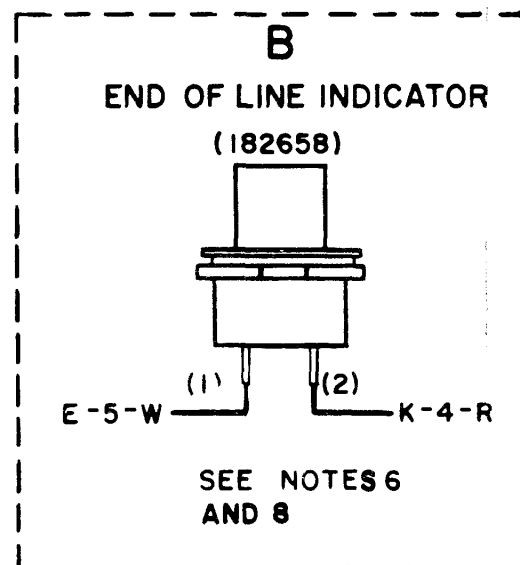
4. CONNECTORS AND SWITCHES ARE VIEWED FROM
TERMINAL END.

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

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

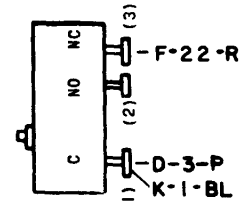
DRAWN R.W.D. CHKD

ENGD W.E.C. APPD

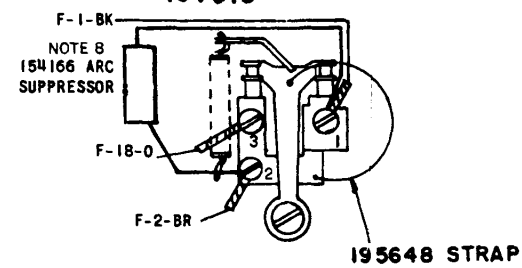
TELETYPE
CORPORATION

NO	NOTES
1.	WIRING LEGEND: <div> <div> DISTANT TERMINATING AREA DISTANT TERMINATING DESIGNATION A-1-BK WIRE COLOR CODE </div> </div>
2.	COLOR CODE: <div> <div> BK-BLACK BL-BLUE BR-BROWN P-PURPLE G-GREEN </div> <div> W-WHITE R-RED O-ORANGE S-SLATE Y-YELLOW </div> </div>
3.	CONNECTOR VIEWED FROM BOTTOM.
4.	*ASTERISKED DEMOTES 18 GA. WIRE.
5.	ASSOCIATED CABLE: 198217 CABLE ASSEMBLY
6.	NUMBERS IN PARENTHESIS ARE NOT MARKED ON COMPONENTS.
7.	REFER TO SPEC. 6932S AND 60,869S FOR DETAILED DESCRIPTION AND THEORY OF OPERATION.
8.	THE 154166 ARC SUPPRESSOR MUST BE DISCONNECTED IN SYSTEMS THAT EMPLOY THE 312325 OR 323609 REGENERATOR CARDS.

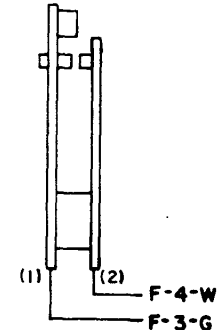
A
MARGIN INDICATOR SWITCH
155954



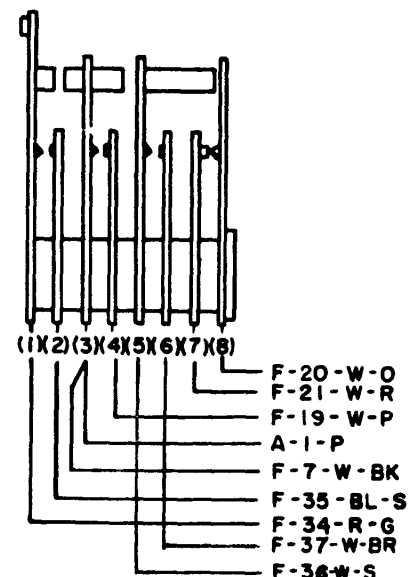
B
CONTACT BOX ASSEMBLY
197019



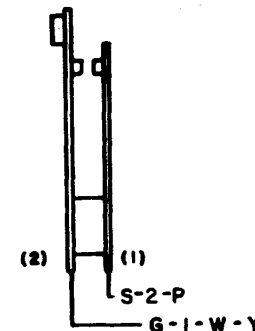
C
TIMING CONTACT



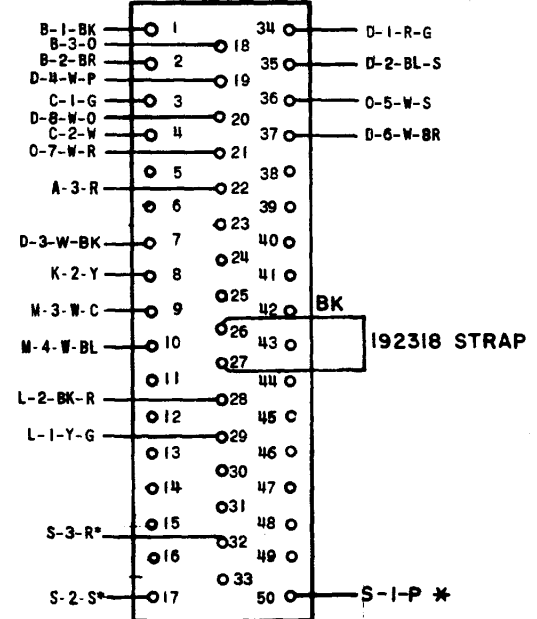
D
RECEIVE BREAK SWITCH



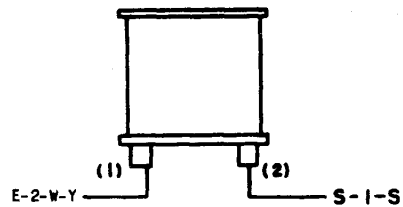
E
BACKSPACE CONTACT



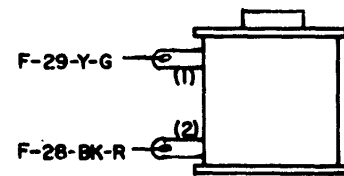
F
KEYBOARD CONNECTOR
192013



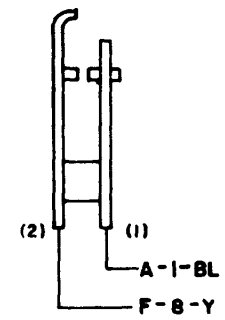
G
BACKSPACE MAGNET
(ON REPERFORATOR)



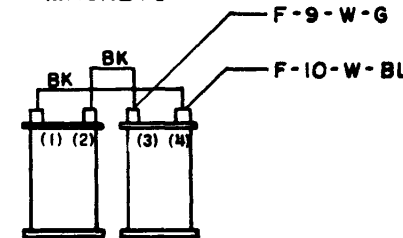
L
CHARACTER COUNTER SUPPRESS COIL



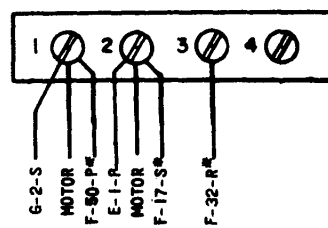
K
END OF LINE INDICATOR SWITCH



M
REPERFORATOR SELECTOR MAGNETS



S
MOTOR TERMINAL BLOCK
151415



6395 WD

REVISIONS		
ISSUE	DATE	AUTH. NO.
A2	2-19-64	80153
B3	3-23-64	80166
C4	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

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	

6395 WD

WDP0028

R & D FORM 361 (6-66)

NO.	NOTES
1.	WIRING DIAGRAMS:
	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

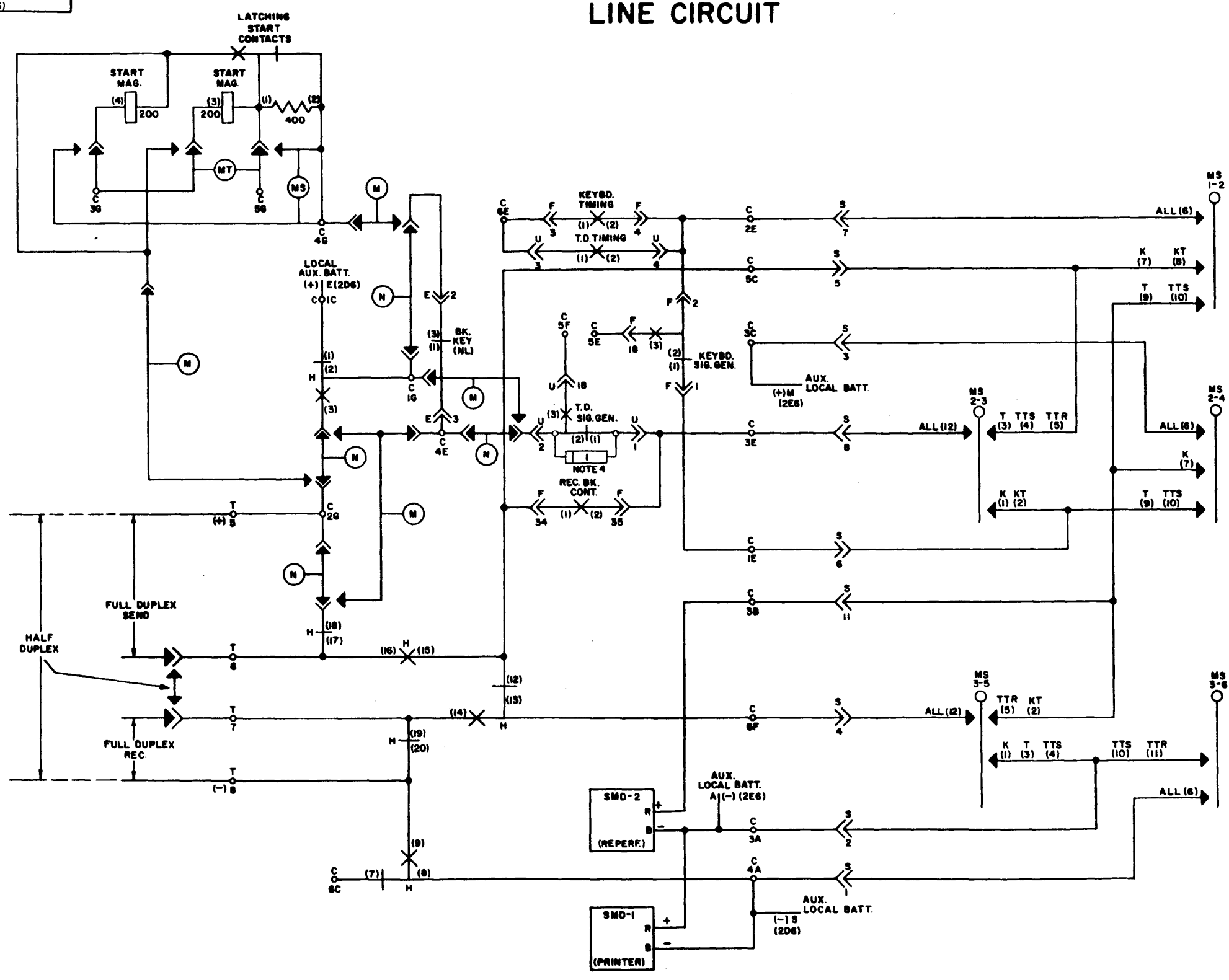
FS-1 LINE CIRCUIT

NOTE:
REVISION INFORMATION MUST ALSO BE REFLECTED ON THE ISSUE CONTROL RECORD, 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
14	1-2-69	96495
15	2-17-69	96777



FS-2

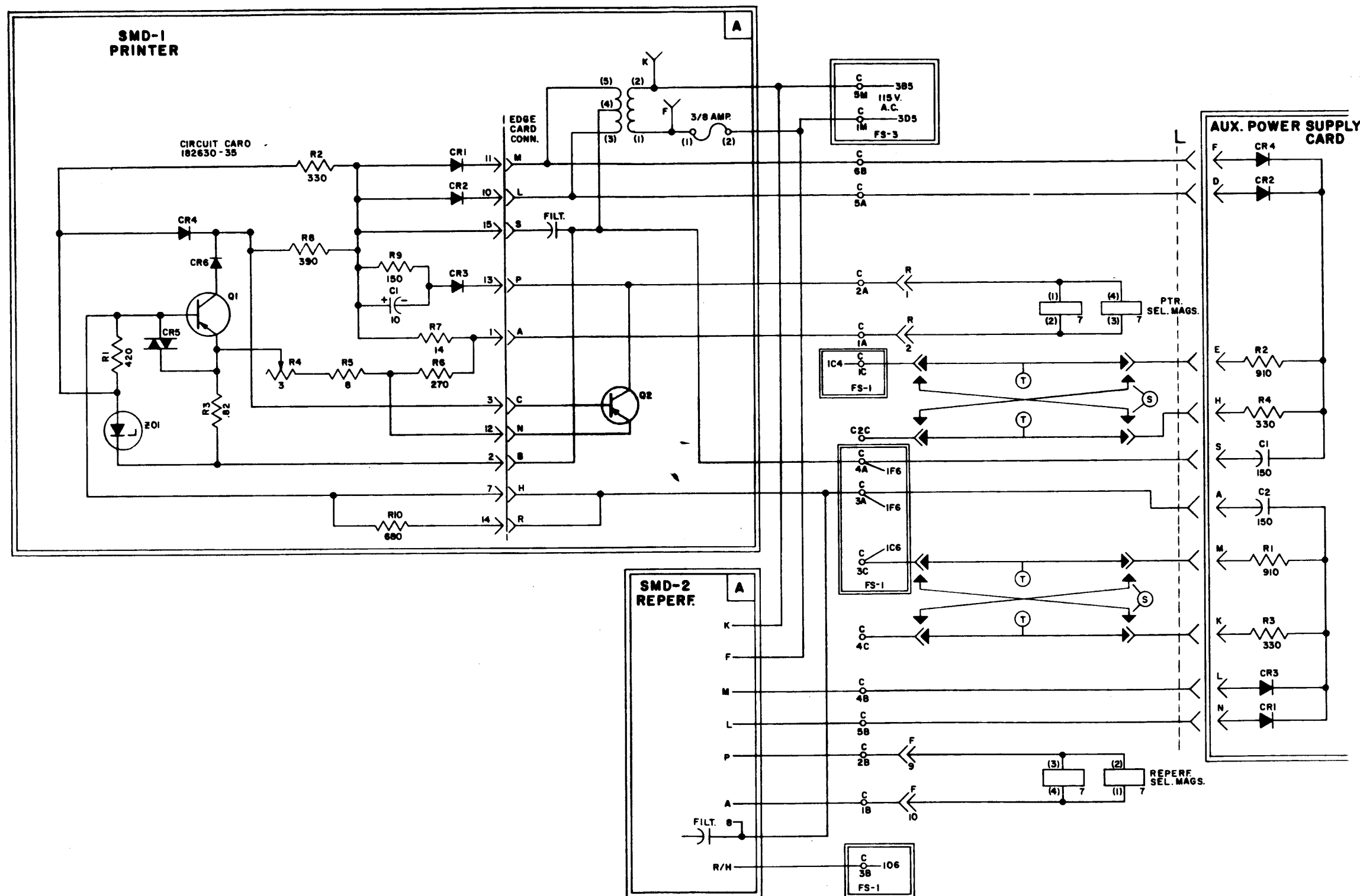
SELECTOR MAG. DRIVERS

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	84080
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
E OF M

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

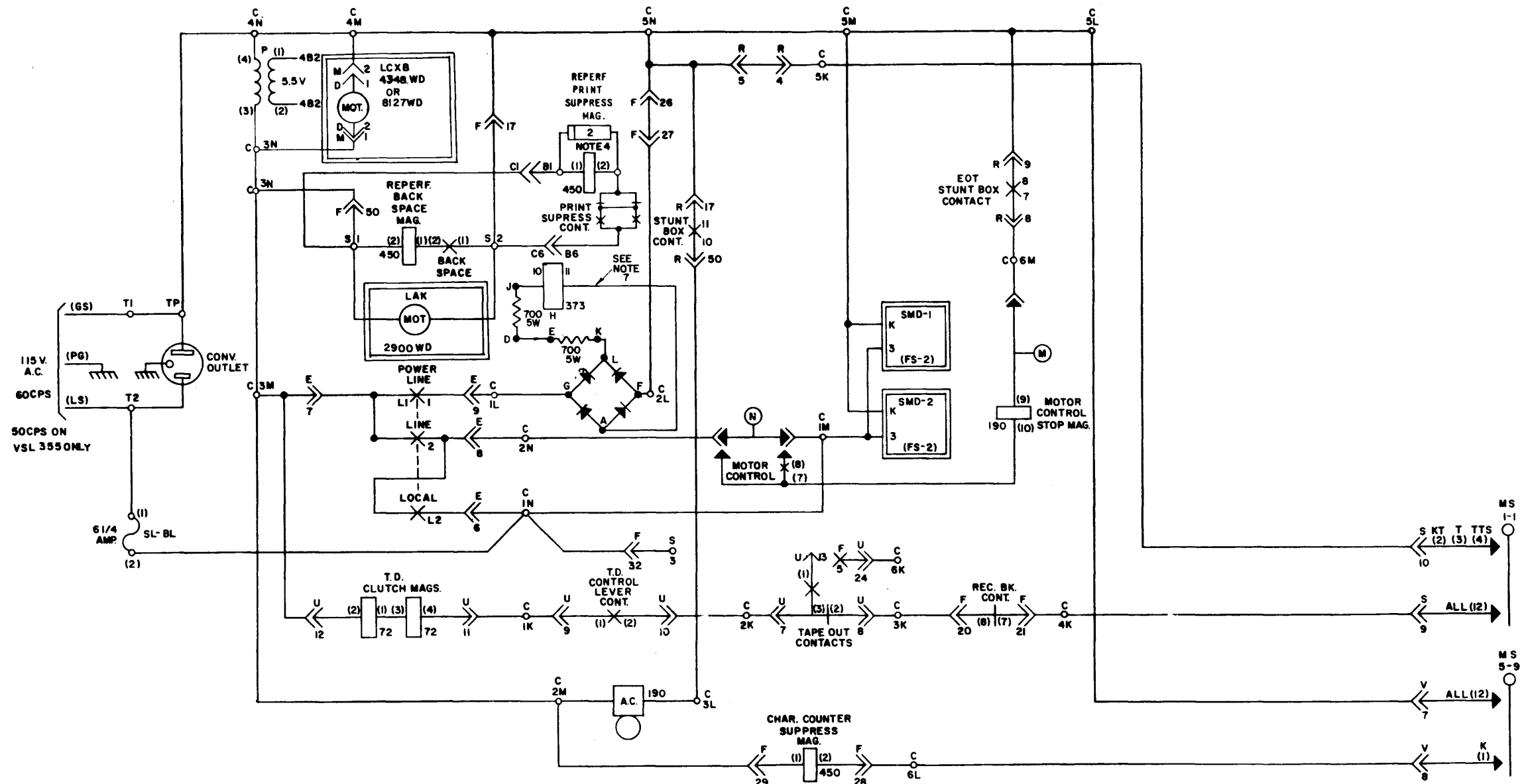
NOTE:
REVISION INFORMATION MUST ALSO BE
REFLECTED ON THE ISSUE CONTROL REC-
ORD, WHICH IS A PART OF THIS DRAWING.

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	84587
8	1-5-65	84060
9	12-11-65	88017
10	8-2-66	91499-RC
11	5-3-67	93297
12	12-4-67	94819-B
13	12-21-67	95147-RC
14	1-2-69	96495
15	2-17-69	96777

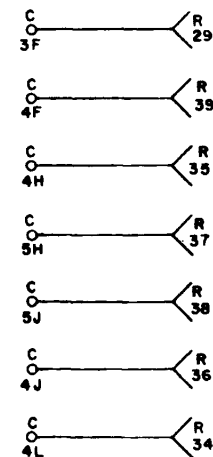
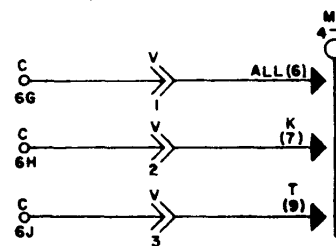
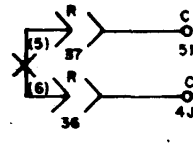
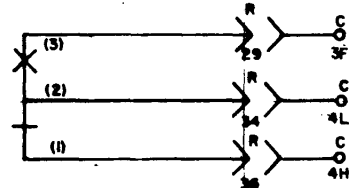
FS-3
AC-POWER



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

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



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

SHEET 4

**SCHEMATIC
WIRING DIAGRAM
FOR
MODEL 35 ASR SETS
35 AR, 35 AS, VCL327, VCL339,
VCL351, 379, & 389
VSL 355
(VCL 401) (VCL827)
VCL 319**

APPROVALS

D AND R

E OF M

E- NUMBER

PROD. NO. 6384 WD

DATE 7-5-66

P.D. FILE NO. G-A151AA

DRAWN F. C. S.

CHKD.

ENGD.

APPD

**TELETYPE
CORPORATION**

6384WD

6394 WE

SEE R&D ROUTINE #5
FDR USE OF THIS FORM

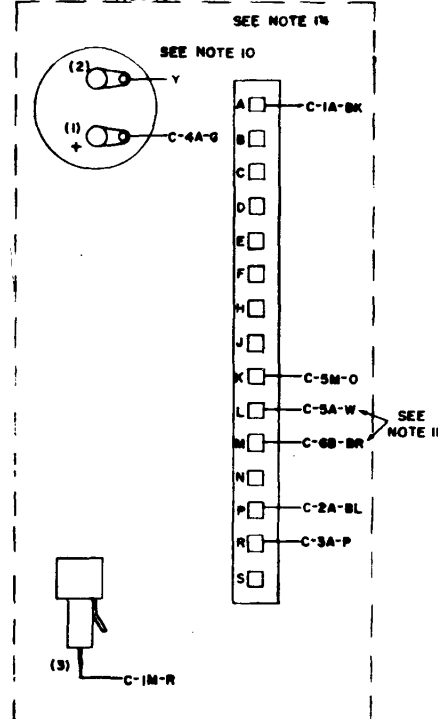
NOTE
REVISION INFORMATION MUST ALSO BE
REFLECTED ON THE ISSUE CONTROL REC-
ORD, WHICH IS A PART OF THIS DRAWING.

6394 WD

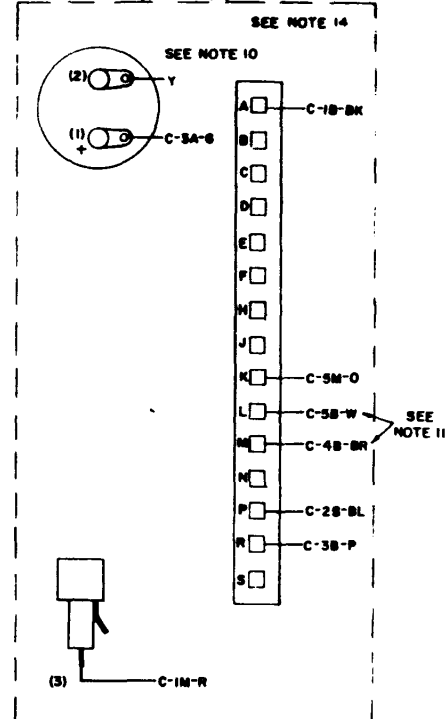
REVISIONS

ISSUE	DATE	AUTH. NO.
A 2	10-7-63	77538
B 3	1-23-64	79298
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	5-26-67	94063
11	5-26-67	93296
12	5-6-68	95524-1

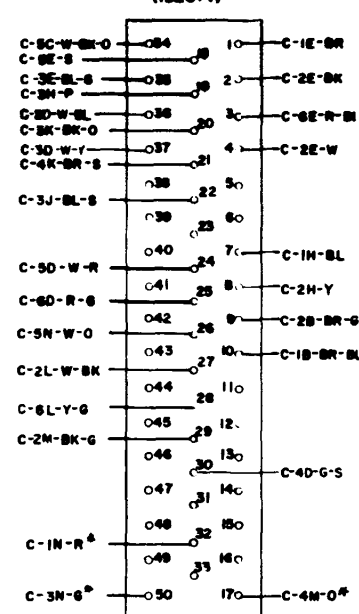
SMD 1
LP SELECTOR MAGNET DRIVER
(193485) NOTE 19



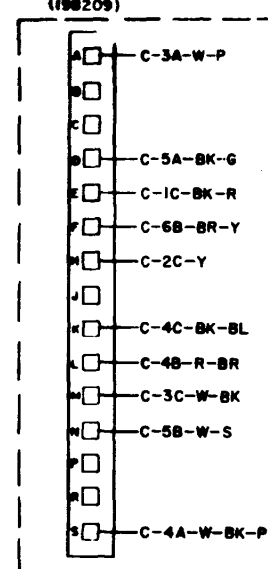
SMD 2
LRPE SELECTOR MAGNET DRIVER
(193485) NOTE 19



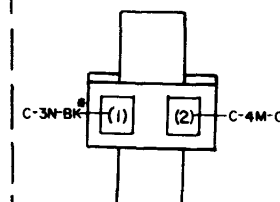
F
KEYBOARD CONNECTOR
(182014)



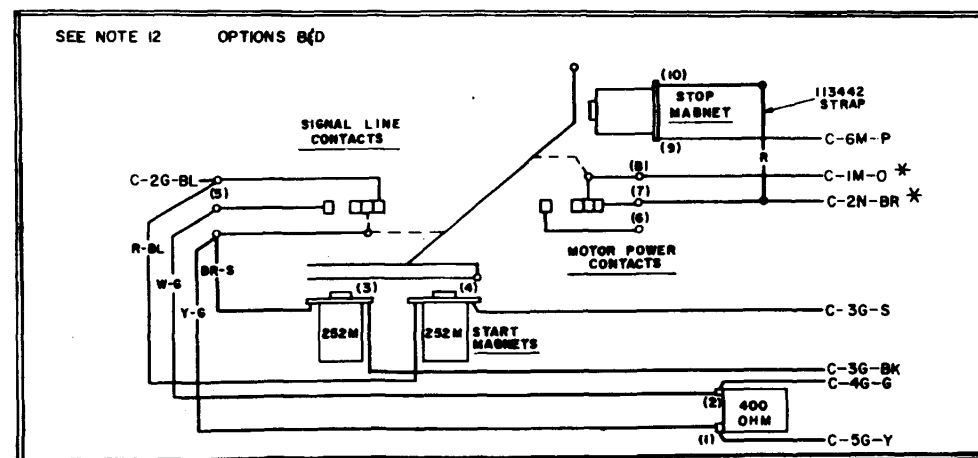
L
AUXILIARY
POWER SUPPLY ASSEMBLY
(182019)



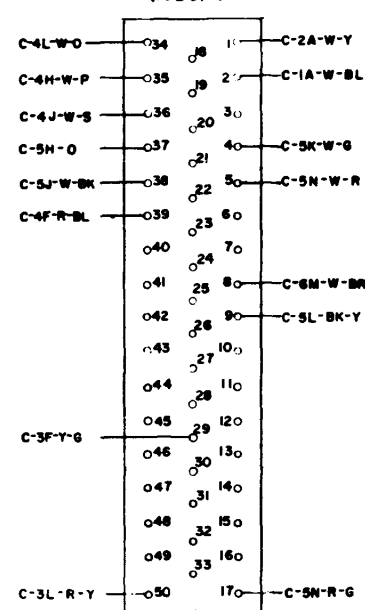
M
CONNECTOR
(195863)



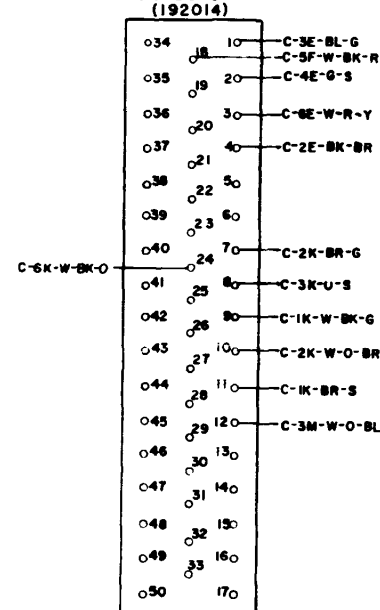
W
ELECTRICAL MOTOR CONTROL ASSEMBLY
(197035)



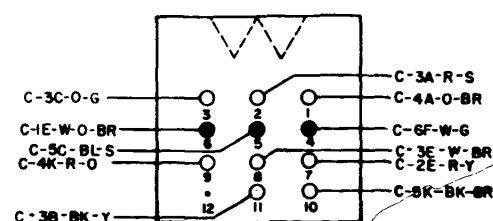
R
PAGE PRINTER CONNECTOR
(192014)



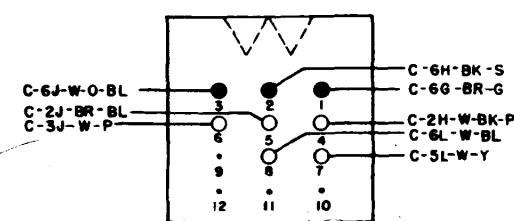
U
TRANSMITTER DISTRIBUTOR
CONNECTOR
(192014)



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

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.

ENG. 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.

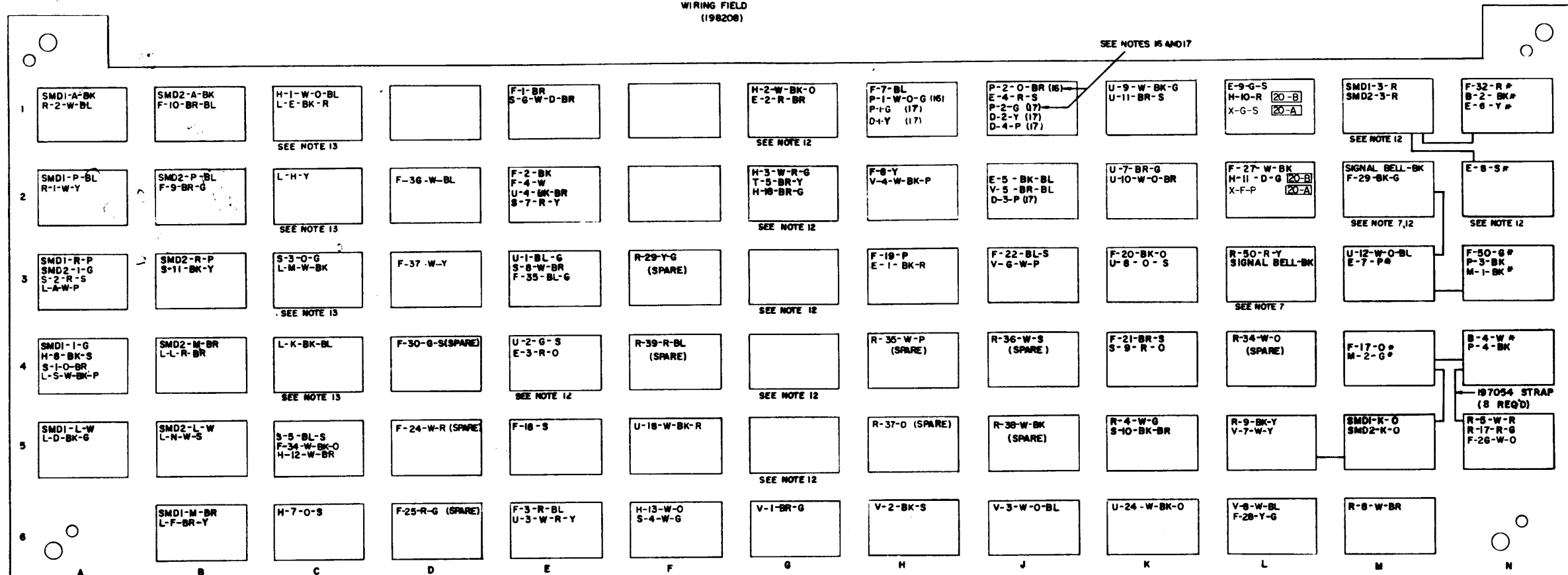
6394WD

REVISIONS

ISSUE	DATE	AUTH. NO.
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

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

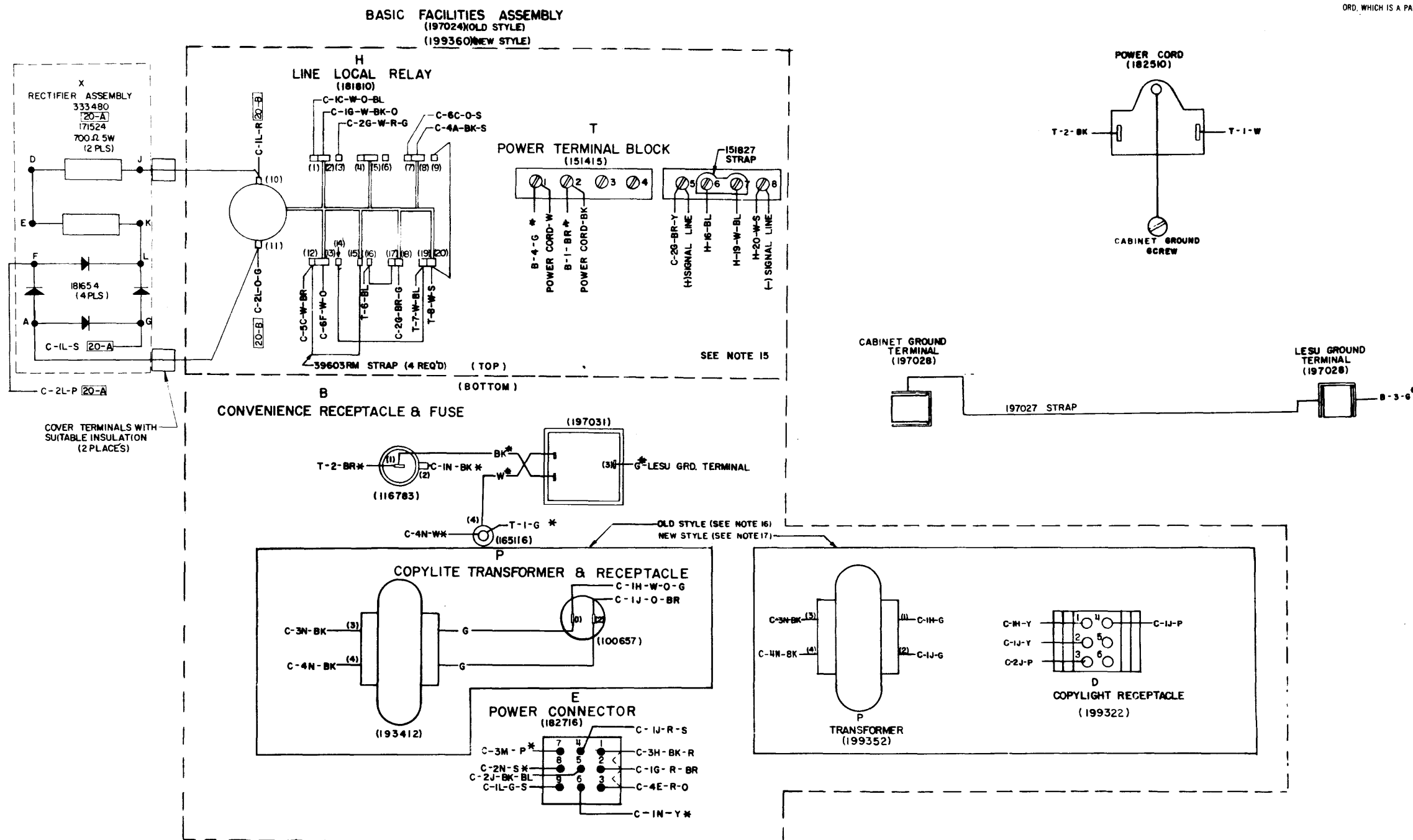
6394WD

NOTE:
REVISION INFORMATION MUST ALSO BE
REFLECTED ON THE ISSUE CONTROL 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
10	1-2-69	96495



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

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

6395 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
13	12-5-69	99944-RC
14	8-27-70	710

ACTUAL
WIRING DIAGRAM
FOR
MODEL 35
KEYBOARD
LAK806, 810, 821, 844

APPROVALS

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

E-NUMBER

PROD. NO. 6395WD

DATE

P.D. FILE NO. 1-18.151AA

DRAWN

CHKD.

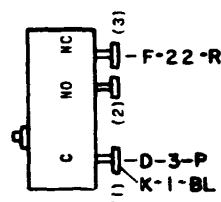
ENGD. V.E.C.

APPD.

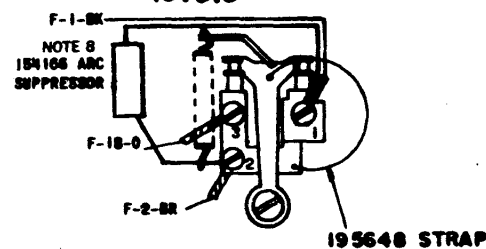
TELETYPE
CORPORATION

6395 WD

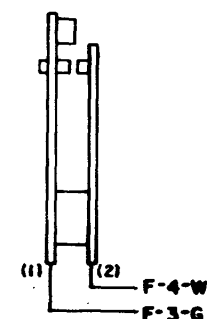
A
MARGIN INDICATOR SWITCH
155954



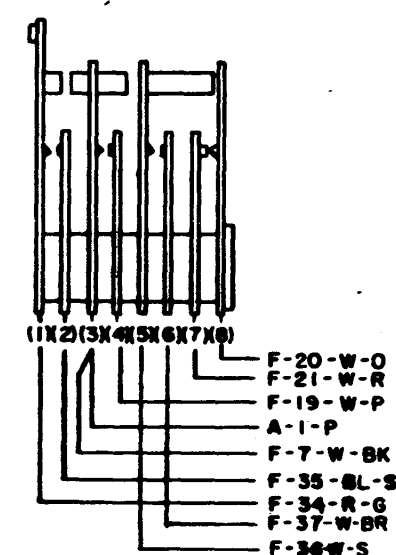
B
CONTACT
BOX ASSEMBLY
197019



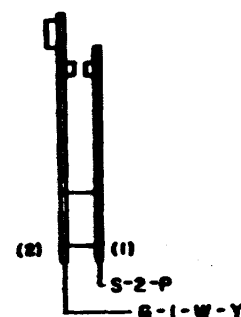
C
TIMING
CONTACT
NOTE 11



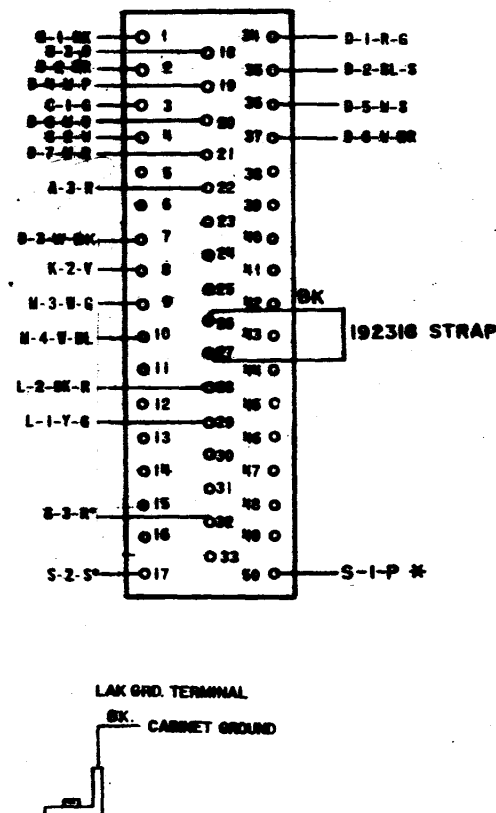
D
RECEIVE BREAK
SWITCH



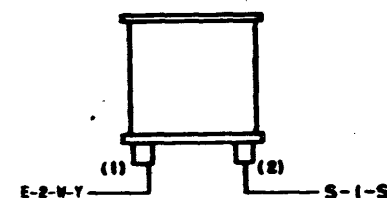
E
BACKSPACE
CONTACT



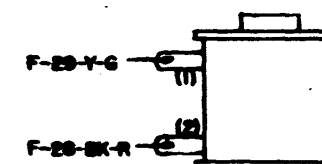
F
KEYBOARD CONNECTOR
192013



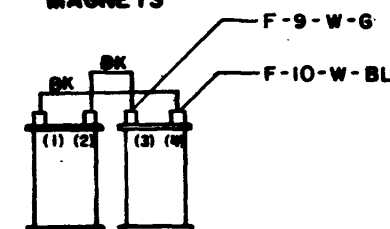
G
BACKSPACE
MAGNET
(ON REPERFORATOR)



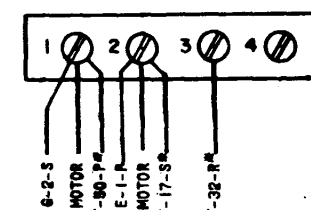
L
CHARACTER COUNTER
SUPPRESS COIL



M
REPERFORATOR SELECTOR
MAGNETS



S
MOTOR TERMINAL
BLOCK
151415



NO.	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 INTER-CHANGEABLE.														
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 BL - BLUE BR - BROWN P - PURPLE W - WHITE R - RED O - ORANGE Y - YELLOW S - SLATE G - GREEN														
8.	<table border="1"> <thead> <tr> <th>LMU</th><th>STARTING CAPACITOR VALUE</th></tr> </thead> <tbody> <tr> <td>3,15,21,30,33,36,37,38,42,46,49,51,52</td><td>43-48 MFD</td></tr> <tr> <td>11,12</td><td>170-226 MFD</td></tr> <tr> <td>35</td><td>64-77 MFD</td></tr> <tr> <td>55</td><td>15-18 MFD</td></tr> <tr> <td>19,20,24,28,31,45,56</td><td>88-108 MFD</td></tr> <tr> <td>50</td><td>161-193 MFD</td></tr> </tbody> </table>	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	19,20,24,28,31,45,56	88-108 MFD	50	161-193 MFD
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														
19,20,24,28,31,45,56	88-108 MFD														
50	161-193 MFD														

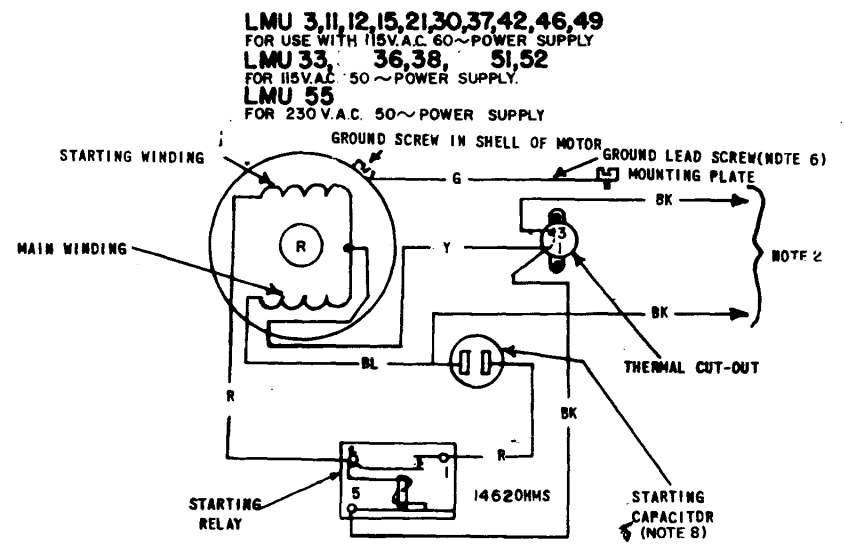
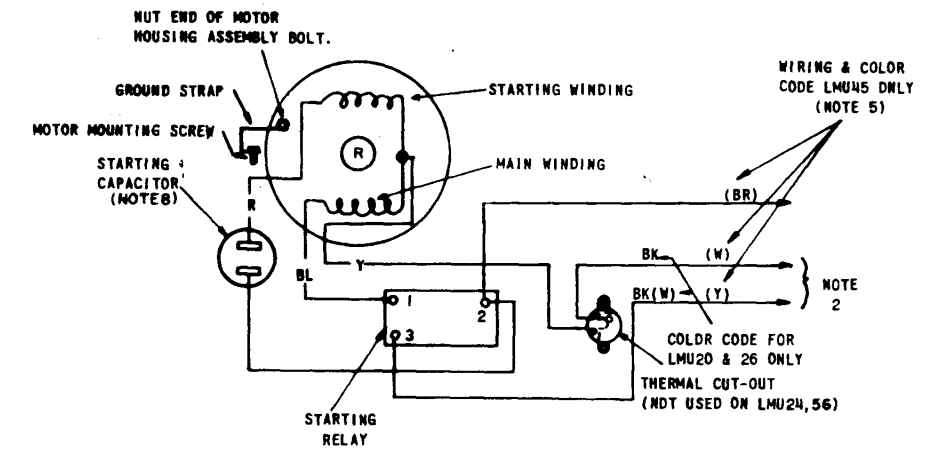
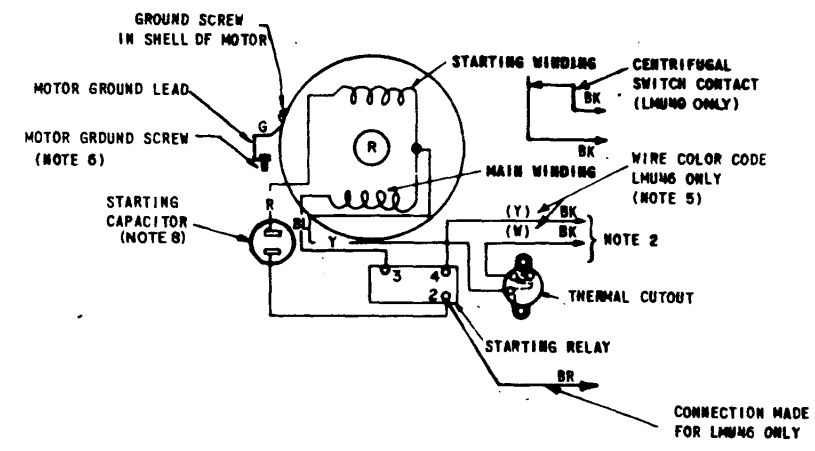
SYNCHRONOUS MOTOR UNITS

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

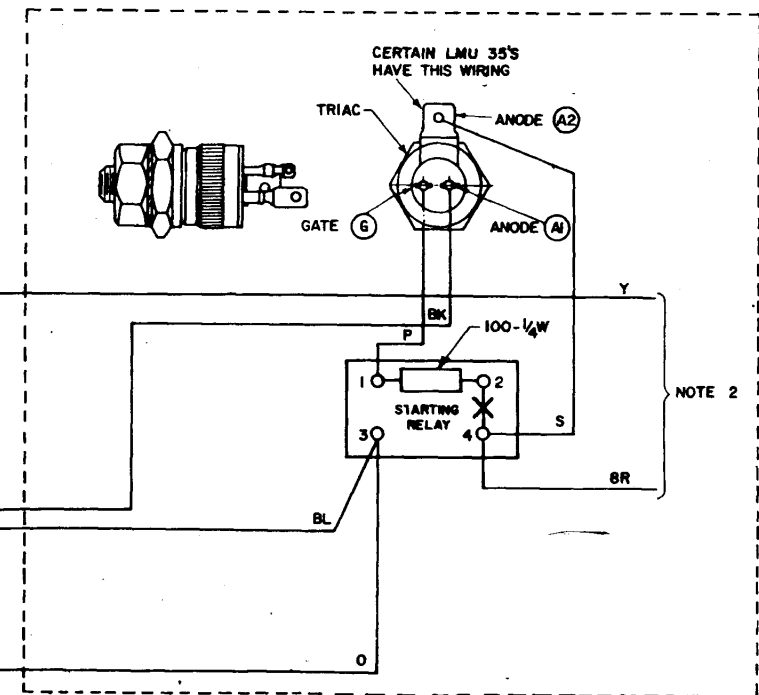
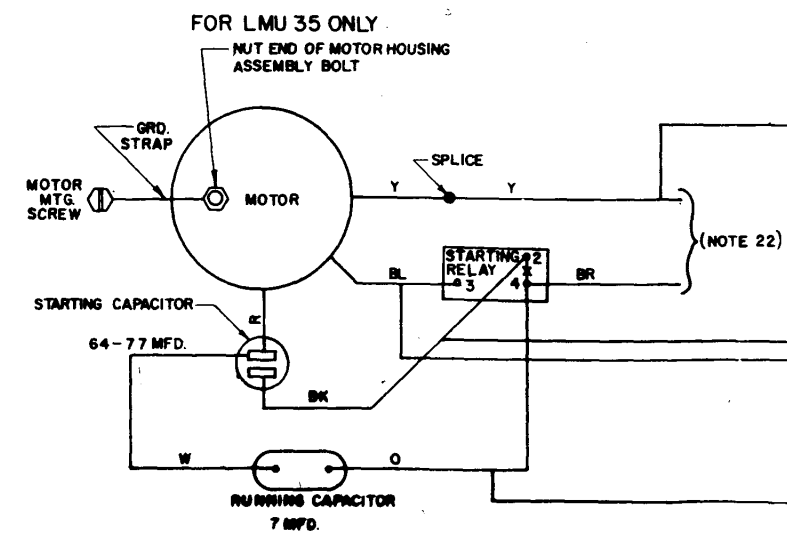
2900WD

REVISIONS

ISSUE	DATE	AUTH. NO.
L	2-15-60	28-12447
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	76528
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



LMU 50,
FOR USE WITH 115V AC 50~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

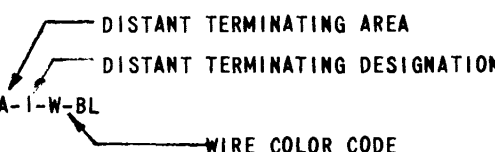
P.D. FILE NO. 1-30.65.156A

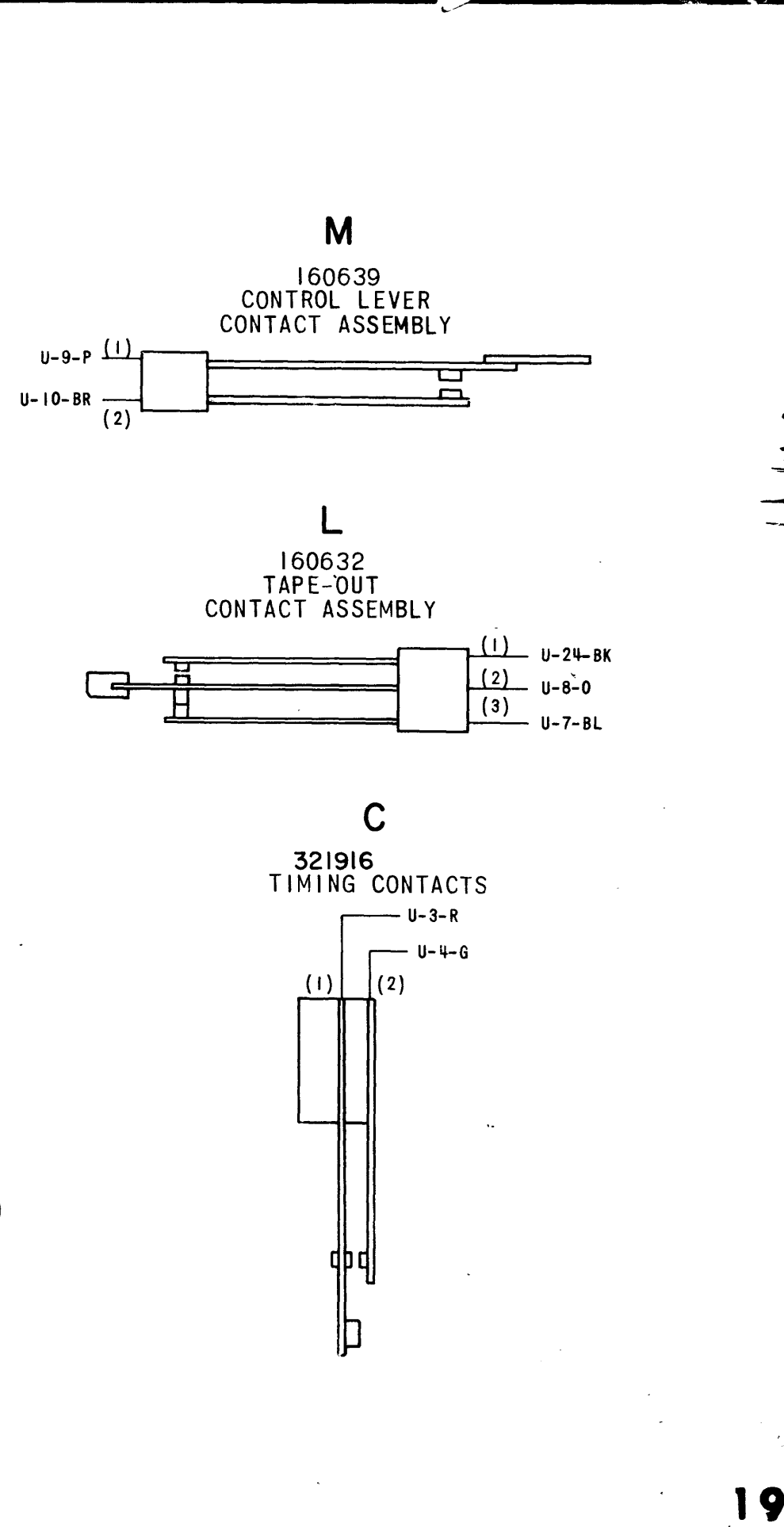
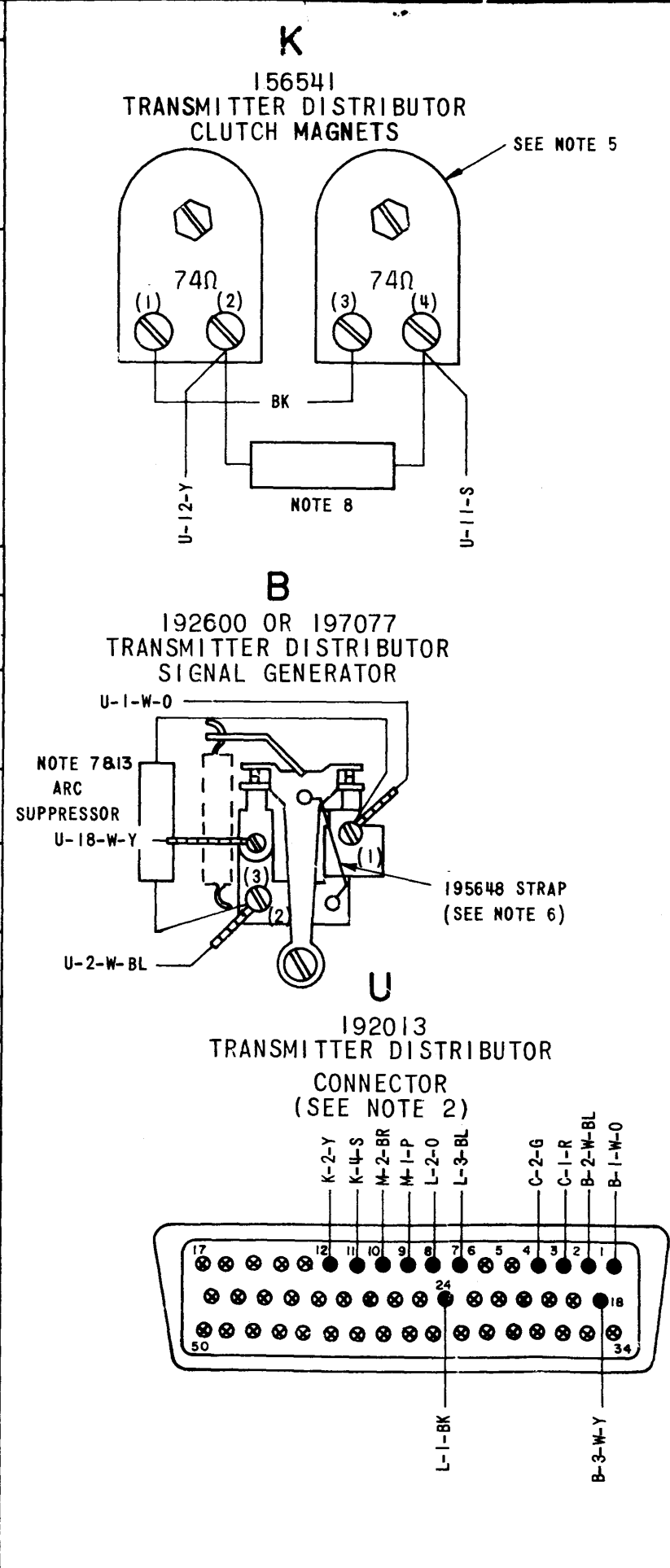
DRAWN E.R. CHKD. RGT

ENGD. B.M.B. APPD.

TELETYPE CORPORATION

2900WD

NO.	NOTES						
1.	<p>WIRING LEGEND:</p> <div><p>A-I-W-BL</p><p>WIRE COLOR CODE</p></div>						
2.	<p>COLOR CODE:</p> <p>BK - BLACK BR - BROWN R - RED O - ORANGE Y - YELLOW G - GREEN BL - BLUE P - PURPLE W - WHITE S - SLATE</p>						
3.	CONNECTOR VIEWED FROM WIRING SIDE.						
4.	ALL CONTACTS SHOWN IN UNOPERATED POSITION. CONTROL LEVER IN STOP POSITION (WHERE APPLICABLE).						
5.	48V DC \pm 10% POWER TO BE USED ON CLUTCH TRIP MAGNET ASSEMBLY CIRCUIT WITH AN EXTERNAL 350 OHM RESISTOR.						
6.	THE 195648 STRAP IS NOT PRESENT IN EARLY MANUFACTURED UNITS.						
7.	154166 ARC SUPPRESSOR ON LXD804 ONLY. DISCONNECT ONE ARC SUPPRESSOR LEAD WHEN STROBING SIGNAL GENERATOR.						
8.	178535 SPARK SUPPRESSOR ASSEMBLY (153631 NETWORK).						
9.	FOR TELETYPE PERSONNEL, REFER TO SPEC. 6880S.						
10.	CROSS REFERENCE ACTUAL TO SCHEMATIC: <table><tr><td>WD NO.</td><td>VSL CODE</td><td>UNIT CODE</td></tr><tr><td>7804WD</td><td>VSL324</td><td>LXD804</td></tr></table>	WD NO.	VSL CODE	UNIT CODE	7804WD	VSL324	LXD804
WD NO.	VSL CODE	UNIT CODE					
7804WD	VSL324	LXD804					
11.	NUMBERS IN PARENTHESES ARE NOT MARKED ON COMPONENT.						
12.	TIMING CONTACT USED IN CONJUNCTION WITH SIGNAL REGENERATOR ASSEMBLY 305445 OR 305446 (OPTIONAL).						
13.	THE 154166 ARC SUPPRESSOR MUST BE DISCONNECTED IN SYSTEMS THAT EMPLOY THE 312325 OR 323609 REGENERATOR CARDS.						



5814 WD		
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
H 9	6-1-64	82547
I 10	11-2-64	84468
J 11	8-18-65	87498
K 12	9-10-65	87498-2
L 13	2-16-66	89706
M 14	2-22-66	90356
N 15	4-5-66	90384
O 16	8-16-66	91444
P 17	9-19-66	91284
Q 18	12-13-66	91976
R 19	4-12-67	93156

WDP

ACTUAL
 WIRING DIAGRAM
 FOR MODEL 35
 TRANSMITTER
 DISTRIBUTOR
 LXD803
 LXD804
 LXD809

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. -

ENG'D. J. V. P. APP'D. -

TELETYPE CORPORATION

5814 WD

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
8	10-3-68	96011

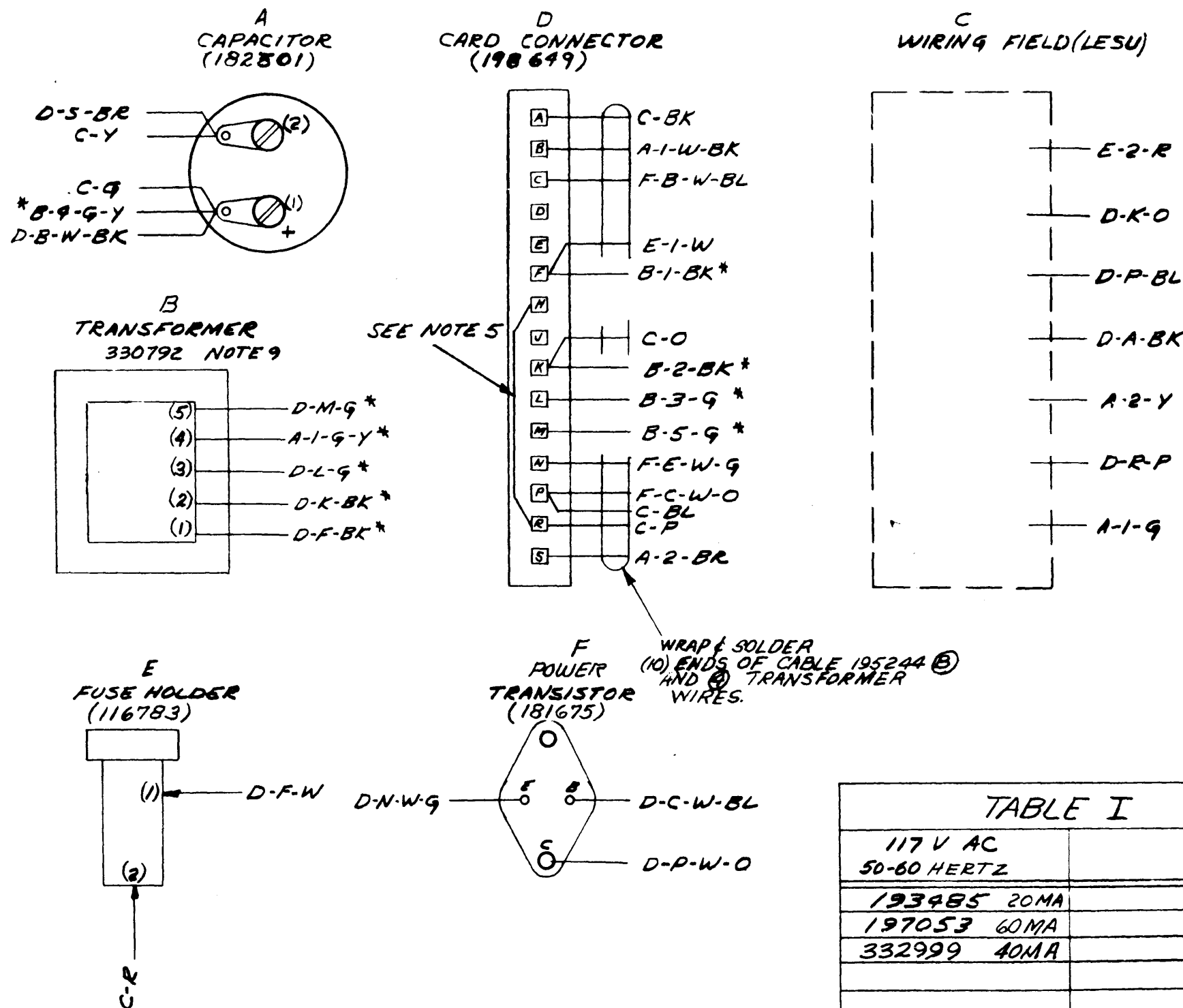


TABLE I

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

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. 1-159.151AA

DRAWN PSD CHKD. JEM

ENGD. JGM APPD. BGG

TELETYPE
CORPORATION

5983 WD

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.

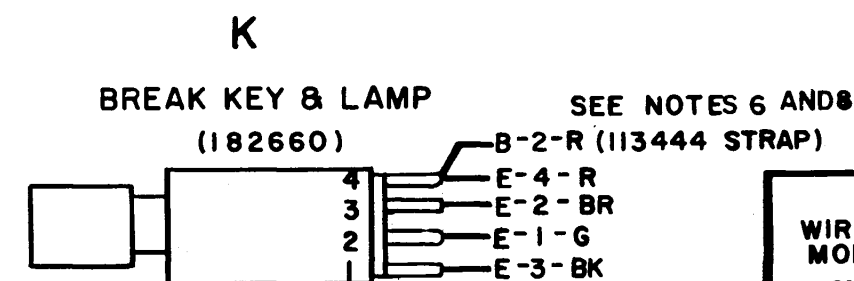
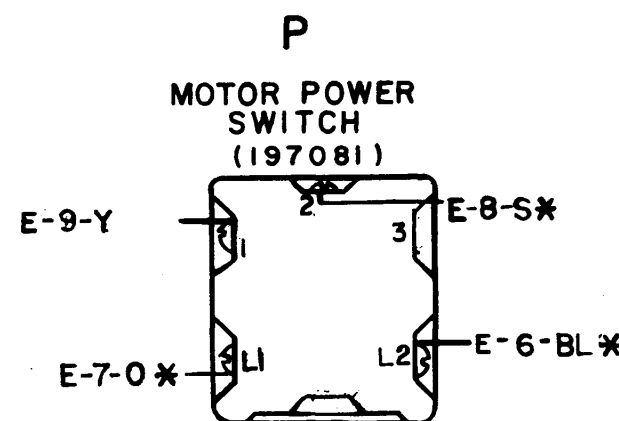
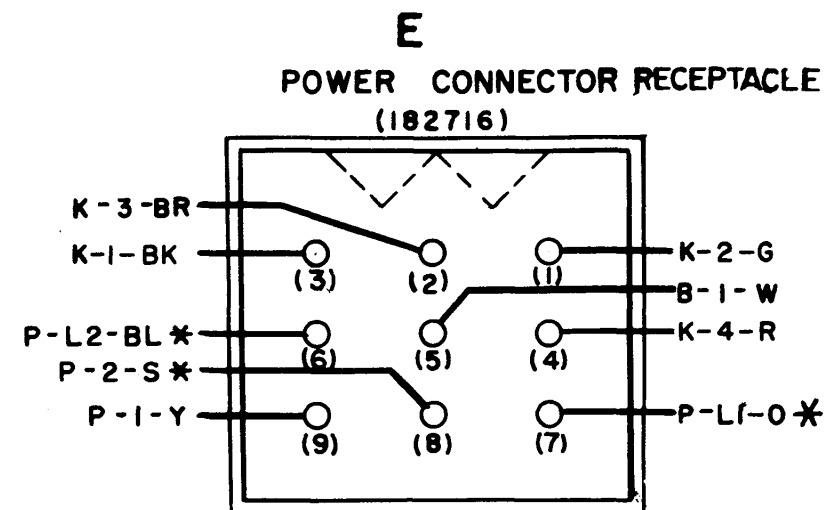
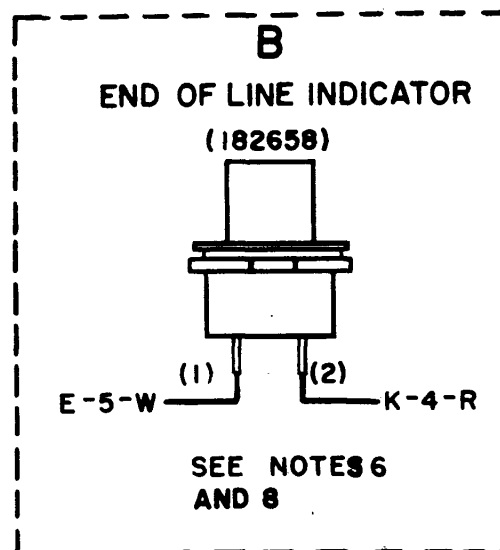
4. CONNECTORS AND SWITCHES ARE VIEWED FROM
TERMINAL END.

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	86870
4	2-22-66	90356

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]*

ENG'D. W.E.C. APP'D. *[Signature]*

TELETYPE
CORPORATION

6380 WD

6903 WD

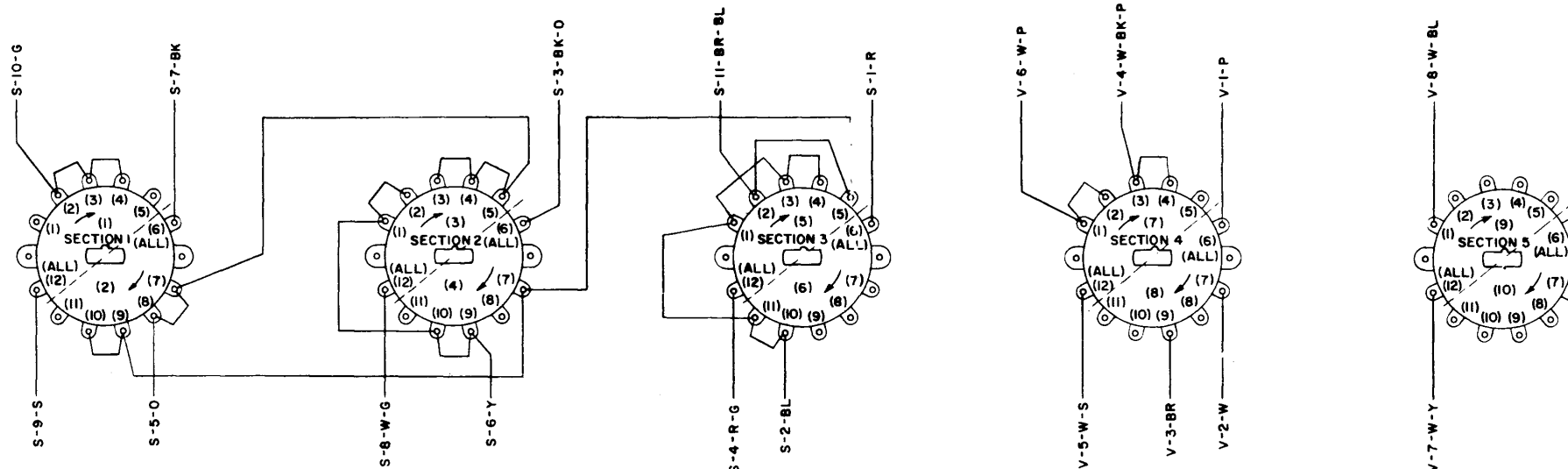
REVISIONS

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)

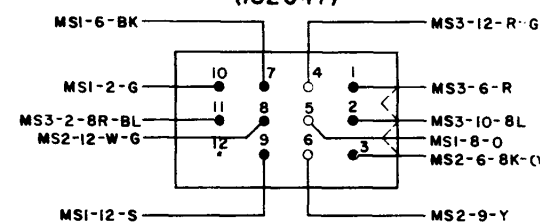
(198253)



S

MODE SWITCH CONNECTOR

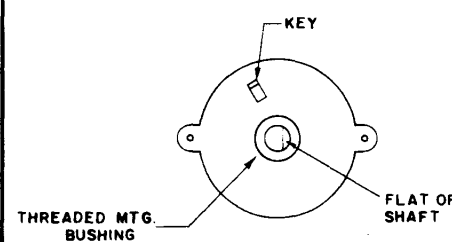
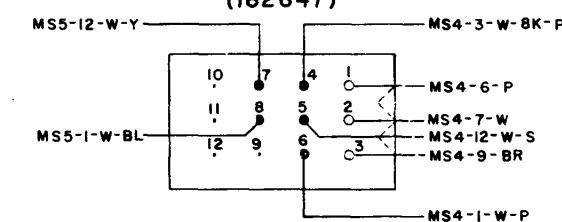
(182647)



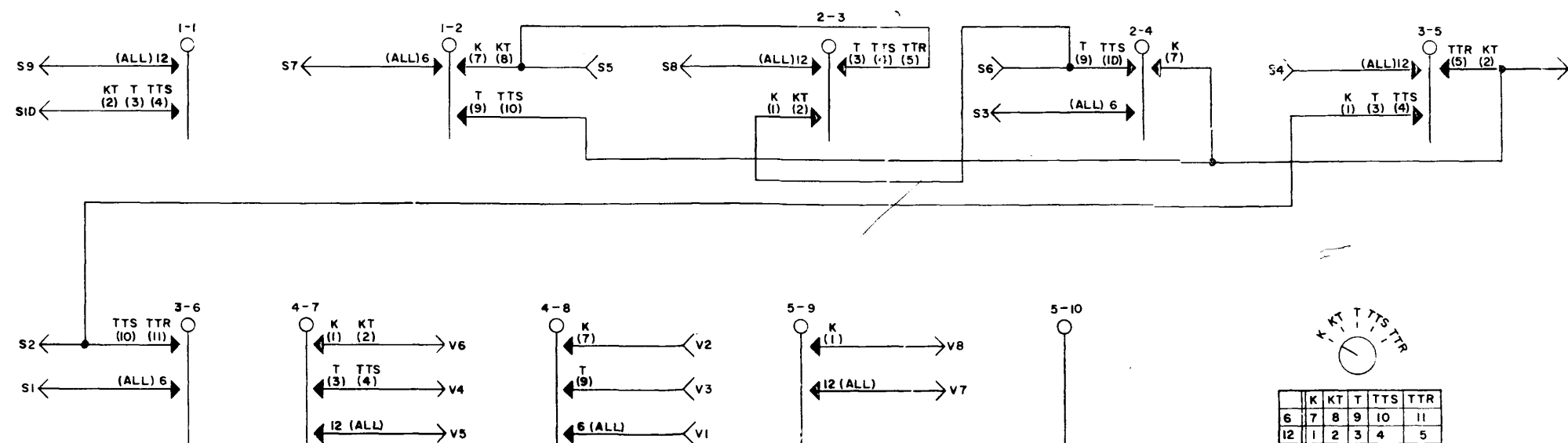
V

MODE SWITCH CONNECTOR

(182647)



SCHEMATIC



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.

ENG. W.E.C.

L.K.M.

CHKD.

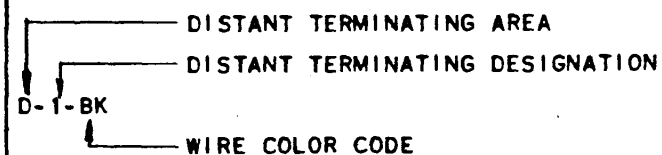
APPD. RRS

TELETYPE
CORPORATION

6903 WD

NOTES

WIRING LEGEND:



2. COLOR CODE:

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

3. ASSOCIATED CABLES:

199346 ASSEMBLY (KSR) — 199348 CABLE
 199347 ASSEMBLY (ASR) — 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.

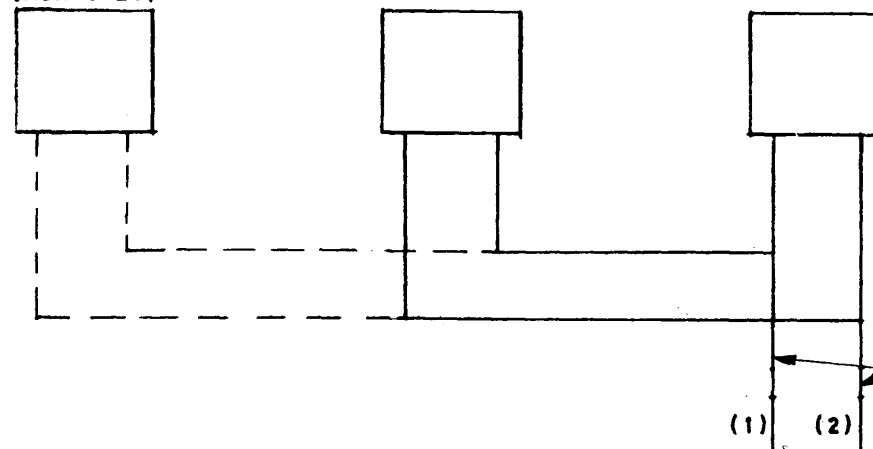
6. CONNECTORS VIEWED FROM WIRING SIDE.

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

CL

COPYLIGHT LAMP HOLDERS

PERFORATOR
COPYLIGHT
(ASR ONLY)

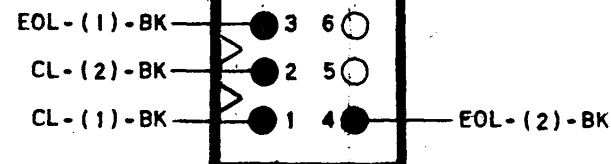


SEE
NOTE 3

(1)
 D-1-BK
 (2)
 D-2-BK

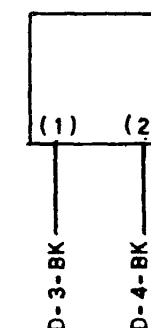
D

COPYLIGHT
CONNECTOR
PLUG
(NOTE 7)



EOL

LAMP HOLDER
(NOTE 4)



7584 WD

REVISIONS

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

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

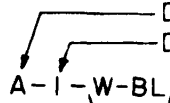
P.D. FILE NO. G-A151AA

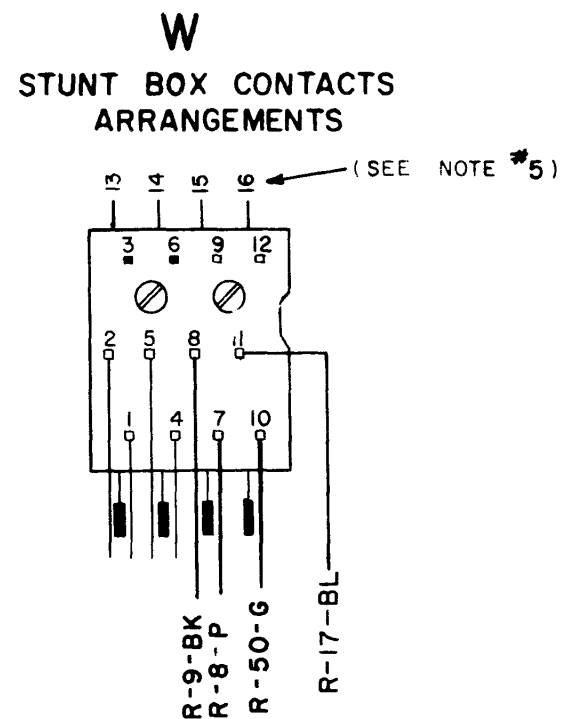
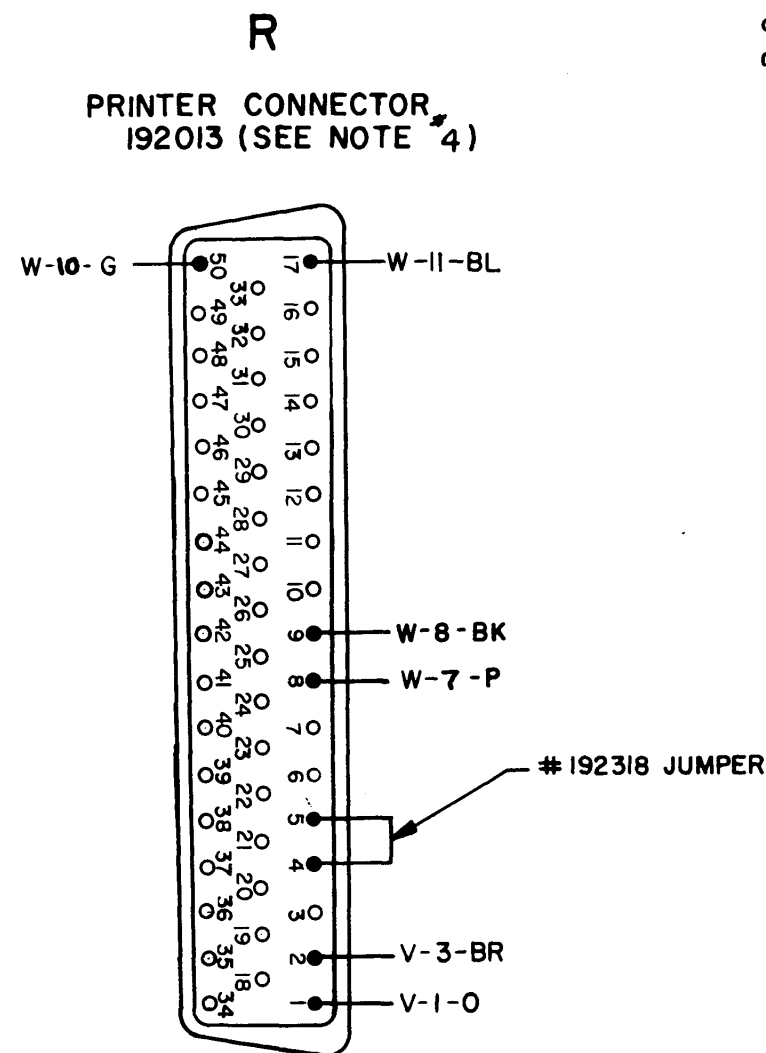
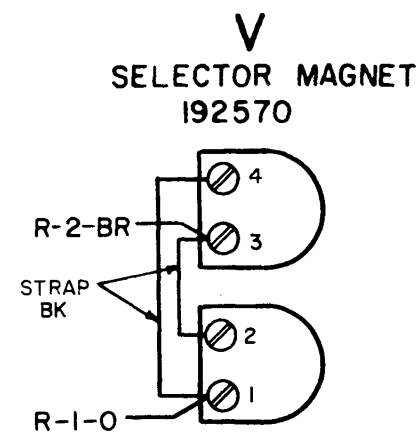
DRAWN D.D.G. CHKD NB/OC

ENG'D F.G.H. APP'D O.A.C.

TELETYPE
CORPORATION

7584 WD

NO.	NOTES												
1.	<p>WIRING LEGEND:</p>  <p>A-I-W-BL — DISTANT TERMINATING AREA. A-I-W-BL — DISTANT TERMINAL DESIGNATION. A-I-W-BL — WIRE COLOR CODE.</p>												
2.	<p>COLOR CODE:</p> <table><tr><td>BK — BLACK</td><td>R — RED</td><td>O — ORANGE</td></tr><tr><td>BR — BROWN</td><td>Y — YELLOW</td><td>G — GREEN</td></tr><tr><td>BL — BLUE</td><td>P — PURPLE</td><td>W — WHITE</td></tr><tr><td>S — SLATE</td><td></td><td></td></tr></table>	BK — BLACK	R — RED	O — ORANGE	BR — BROWN	Y — YELLOW	G — GREEN	BL — BLUE	P — PURPLE	W — WHITE	S — SLATE		
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.	<p>ASSOCIATED CABLE ASSEMBLIES:</p> <p>CABLE ASSEMBLY — 197044 (AREA R-W) CABLE ASSEMBLY — 192484 (AREA R-V)</p>												



6043 WD

ISSUE	DATE	AUTH. NO.

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

1 6043 WD

Diagram of the NEU 18263 card components and connections:

- Top Label:** O A NEU 18263
- Vertical Label:** U.S. PAT. 3283005 INFO. BY TELETYPE COMP.
- Components:**
 - R7, R6, R8, R2, R5 (Resistors)
 - CR4, CR3, CR1, CR2, CR5, CR6 (Capacitors)
 - ZD1 (Zener Diode)
 - Q1 (Vacuum Tube)
 - R4 (Resistor, shown in a circle)
- Connections:**
 - NOTE 4 points to the top of R7, R6, R8, R2, and R5.
 - NOTE 2 points to the bottom of CR1 and CR2.
 - NOTE 3 points to the bottom of CR2 and R10.
- Other Labels:** REMOVE POWER BEFORE CARD (near R6 and R8).

The schematic diagram illustrates a control circuit for a power transistor, divided into two main sections: CARD CIRCUITRY and EXTERNAL CIRCUITRY.

CARD CIRCUITRY:

- Power Section:** A power transformer provides 115 ± 10% V AC, 50-60HZ (NOTE 5). The secondary is connected to a rectifier bridge (CR1, CR2) and a filter capacitor (C1). The rectifier output is connected to the base input (pin 1) of the power transistor (Q2).
- Control Section:** A transistor (Q1) is used as a driver. Its base is connected to a resistor network (R1, R2, R3, R4, R5, R6, R7, R8, R9, R10) and a diode (CR4). The emitter of Q1 is connected to a resistor (R3) and a diode (CR5). The collector of Q1 is connected to a resistor (R4) and a diode (CR6).
- Other Components:** A diode (ZD1) is connected to the base input (pin 1) of the power transistor. A resistor (R10) is connected to the emitter bias (pin 12) of the power transistor.

EXTERNAL CIRCUITRY:

- Power Transistor (Q2):** A power transistor (ON HEAT SINK) with pins 1 (MAGNET), 2 (BASE INPUT), 3 (EMITTER BIAS), 10 (TRANSIENT SUPPRESSION), 11 (RECTIFIER INPUT), 12 (EMITTER BIAS), 13 (SELECTOR MAGNET), 14 (RESISTANCE INPUT), 15 (FILTER CAPACITOR), and 20 (NEUTRAL LINE NEGATIVE DIRECT INPUT).
- Selector Magnet:** A component connected to the base input (pin 1) and the emitter bias (pin 12) of the power transistor.
- DC Signal Line Circuit:** A circuit connected to the base input (pin 1) and the emitter bias (pin 12) of the power transistor.

Notes:

- NOTE 1: SEE NOTE 7
- NOTE 2: R1
- NOTE 3: R10
- NOTE 4: R5
- NOTE 5: 115 ± 10% V AC, 50-60HZ

REF DESIG.	TELETYPE PART NO.	TOTAL QTY	NAME & DESIGNATION	LOCATING FUNCTION	USED ON	FOR
R1	182779	1 SELECT ONE SEE NOTE 2	RESISTOR 420 OHMS 1/2W	.010 AMP. SWITCHING	182630	020A NEUTRAL LINE
"	182797		RESISTOR 135 OHMS 1/2W	.030 AMP. SWITCHING	182631	060A " "
"	182180		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		SAME AS CR1	POWER RECTIFIER		
CR3	181619	2	DIODE 1N482	COLLECTOR TRANSIENT LIMITING		
CP4	181619		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, ETCHCO			

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 OC AT TERMINAL 15. THE CIRCUIT COMMON IS CONNECTED TO TERMINAL 2 AND A POWER SUPPLY FILTER CAPACITOR IS CONNECTED BETWEEN TERMINALS 2 AND F5.

THE DIRECT CURRENT SIGNAL LINE CIRCUIT IS CONNECTED THROUGH TERMINALS 7 AND 2. WITH AN ALTERNATE CONNECTION THROUGH RIO AT TERMINAL 11 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. DFB-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.

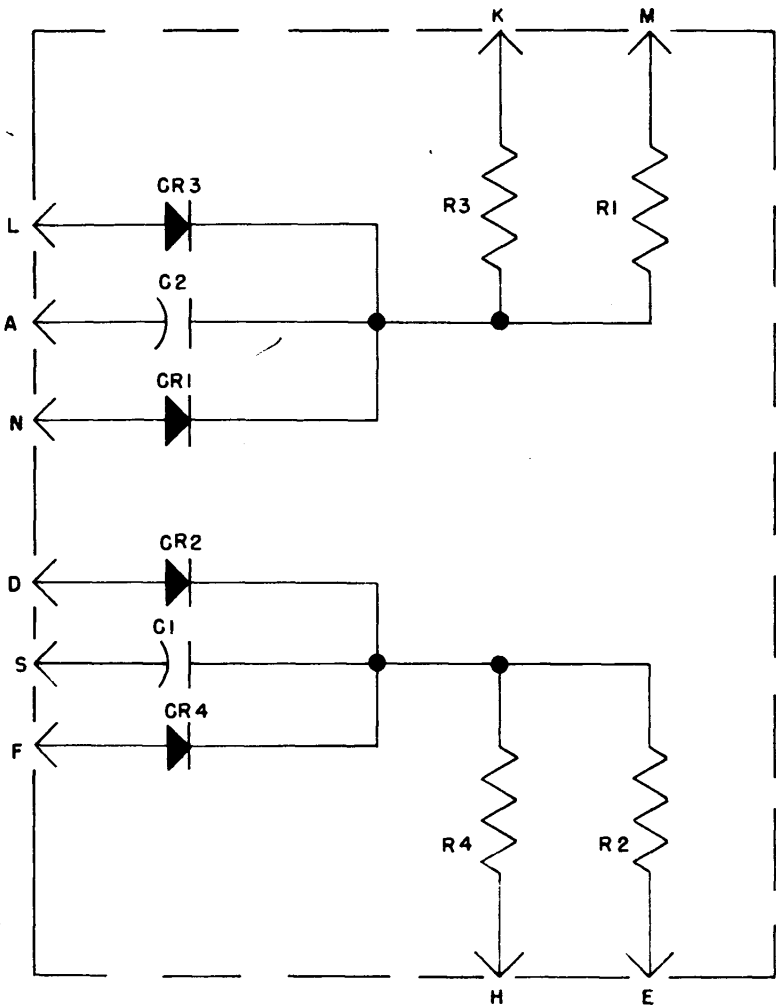
"SNAP-ACTION" IS SUPPLIED TO THE CIRCUIT TRANSITIONS BY FEEDBACK IN THE EMITTER CIRCUITS OF TRANSISTORS Q1 AND Q2.

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

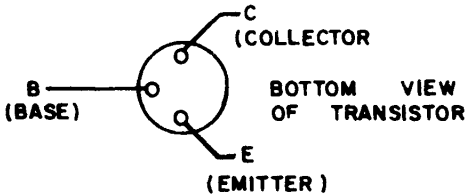
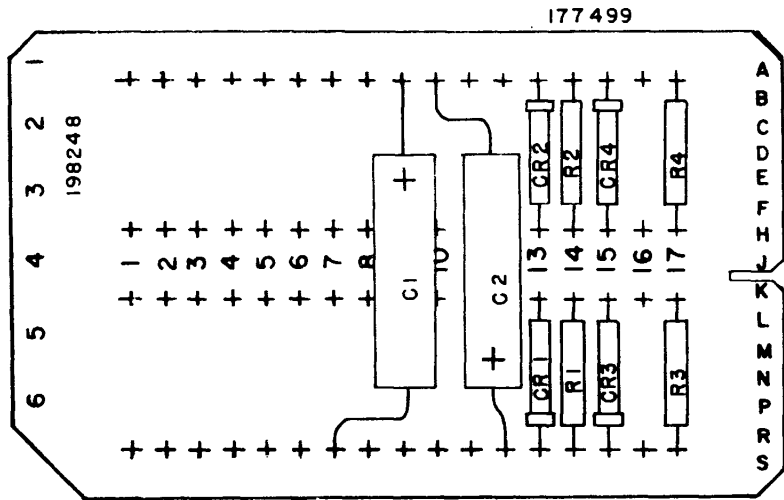
REVISIONS

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



NOTE:
REFER TO 5016 WD FOR MARKING INFORMATION.

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		

WDP

APPROVALS

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

E-NUMBER.

PROD. NO. 198248

DATE 6-29-63

FILE NO.3-A15/116,219A

DRAWN. R.G.K. CHKD. J.M.

ENGD. R.D.S. APPD. J.M.

TELETYPE CORPORATION

SCHEMATIC WIRING DIAGRAM

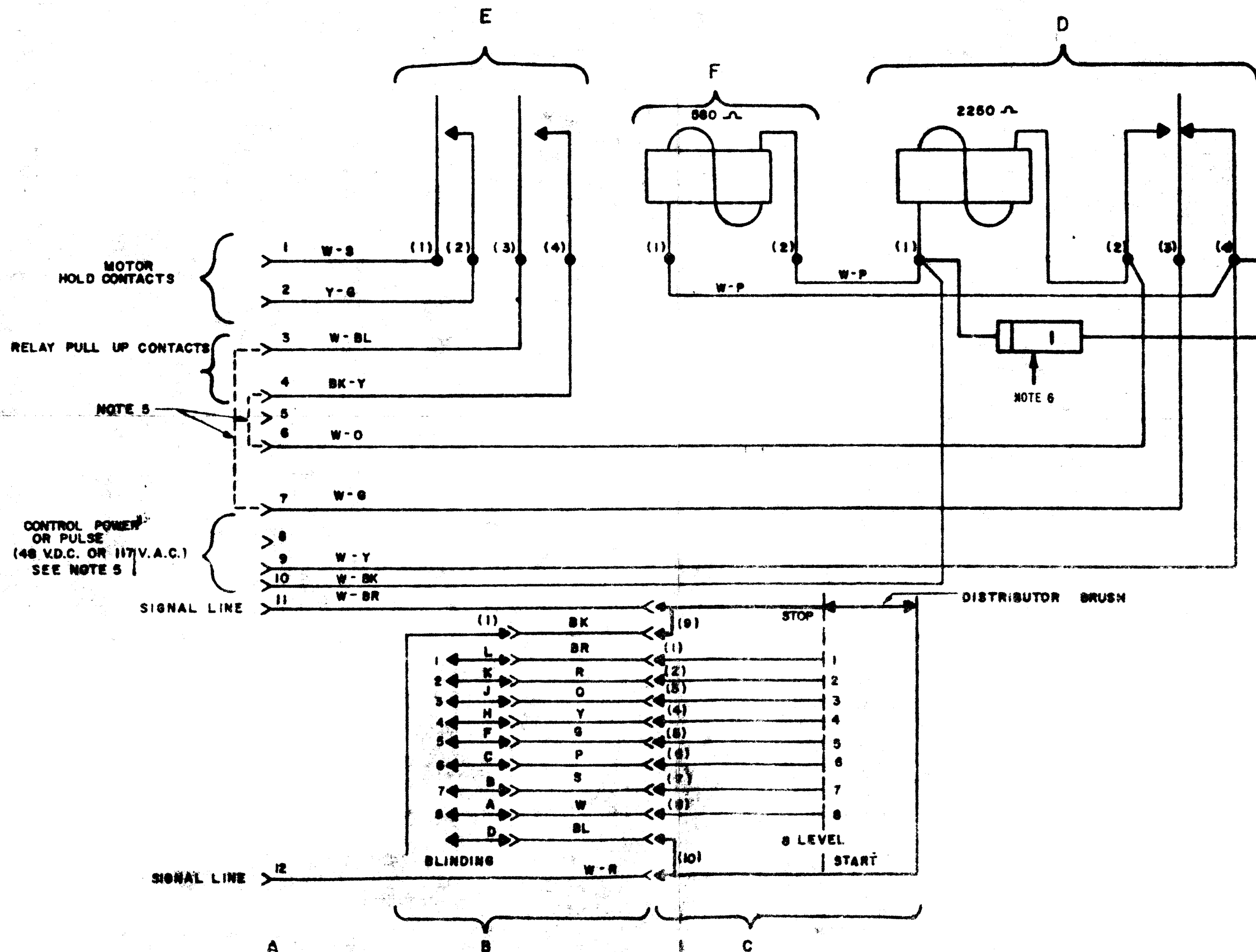
SEE SHEET 1 FOR NOTES

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.
1	1-8-67	75183	
2	1-28-67	75200	
3	2-15-67	75200-1	
4	2-2-67	81562	
5	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.
(6 LEVEL)

APPROVALS

D AND R E OF M

E NUMBER

PROD NO. 572000

DATE

P.O. FILE NO.

DRAWN BY

ENGR. BY

TELETYPE CORPORATION

7

4726 WD

ISS. 1 OCT. 20TH 1969

ON PUNCH CONTROL SWITCH LINK BETWEEN 5 & 9 REMOVED, DIAGM. OF TERM. NOS OF RELAY RL1 ADDED. ON PUNCH CONTROL SWITCH STRAP FROM CONTACT 2 TO 5 WAS TO 6 CONTACT 5 & 511 WERE WIRED TO CONTACT 3. CABLE COLOUR 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 RL2/11/6 DELETED
A7 TO RL2/11/6 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 C12M (DIODE ADDED)
ADDD 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 55 & 57 AND
56 TO -SB ADDED
DIODE REMOVED FROM PIN 8
OF RL2/4

ISS. 5. 23rd DEC 1970

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

TERMINAL REF NOS.

LSD. 54119

PUSH KEY.

ASSOCIATED DRWGS.
ASSEMBLY
WIRING

MOD. 1312

TO 35 ASR 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.

LSO-15264

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

REF. TELETYPE DRWG. 6384 WD. SCHEMATIC.

