

35 RECEIVE ONLY TELETYPEWRITER SET

FUNCTIONAL DIAGRAMS AND CONNECTING INFORMATION

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1. GENERAL

1.01 This section has been reissued to add the sheet index, apparatus figures and circuit notes.

1.02 The attached material (WD6040) provides a complete set of detached-contact schematic drawings for the 35 Receive Only Teletypewriter Set.

2. FUNCTIONAL DIAGRAMS

2.01 The sheet index, functional schematics, apparatus figures, and circuit notes constitute drawing WD6040 and consists of 16 separate pages.

2.02 The sheet index provides a complete contents listing for the functional schematics, apparatus figures and circuit notes.

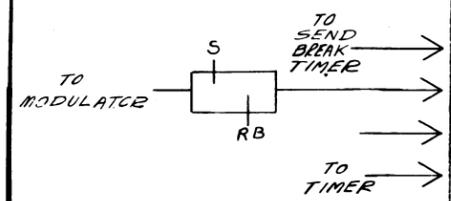
2.03 The functional schematics as shown on pages B1 through B9 show the complete functioning paths of all relays and other apparatus.

2.04 The individual parts of a given relay, jack, key, or other component may perform various functions. A series of apparatus figures, pages C1 through C5, are given to show these parts independent of their functional schematics and indicate their varied functions. In addition, the apparatus figures serve as convenient indexes for locating specific parts or areas in associated functional schematics.

2.05 Pertinent circuit notes are given on page D1.

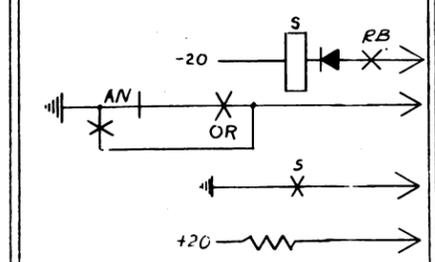
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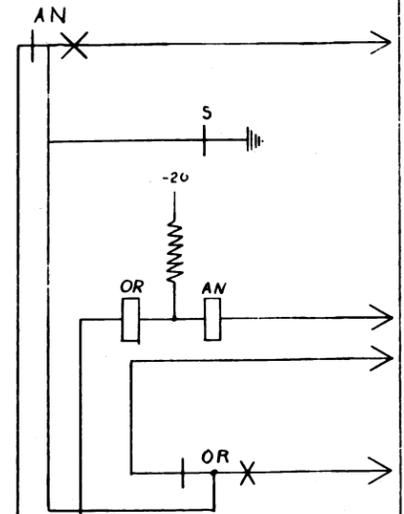


FS-1 TEST

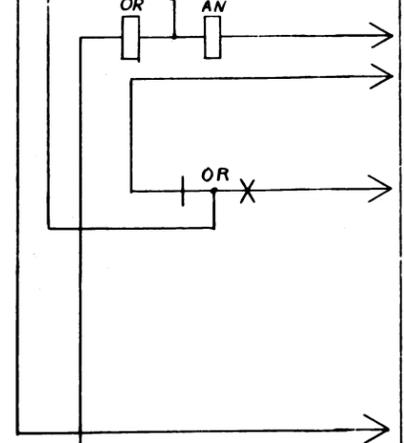
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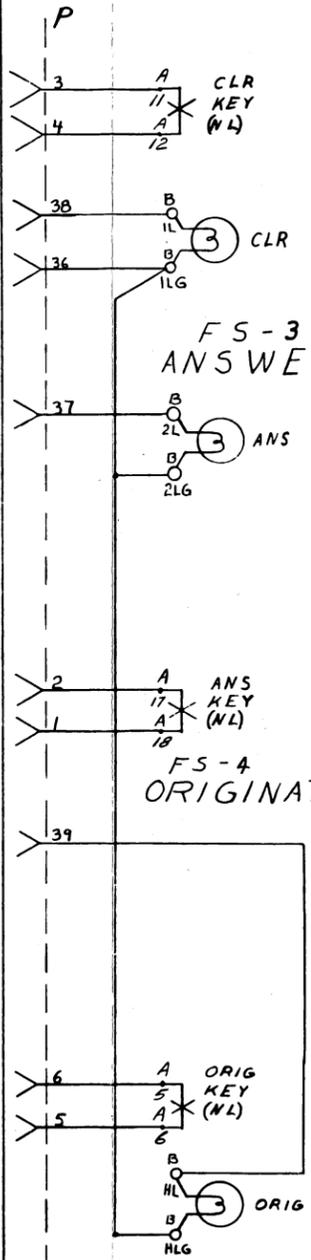
FS-2 CLEAR



FS-3 ANSWER



FS-4 ORIGINATE



DETAILED SCHEMATIC
WIRING DIAGRAM FOR
35E, 35F, 35G, 35H
TELETYPE WRITER SET
(RO)
SHEET B1

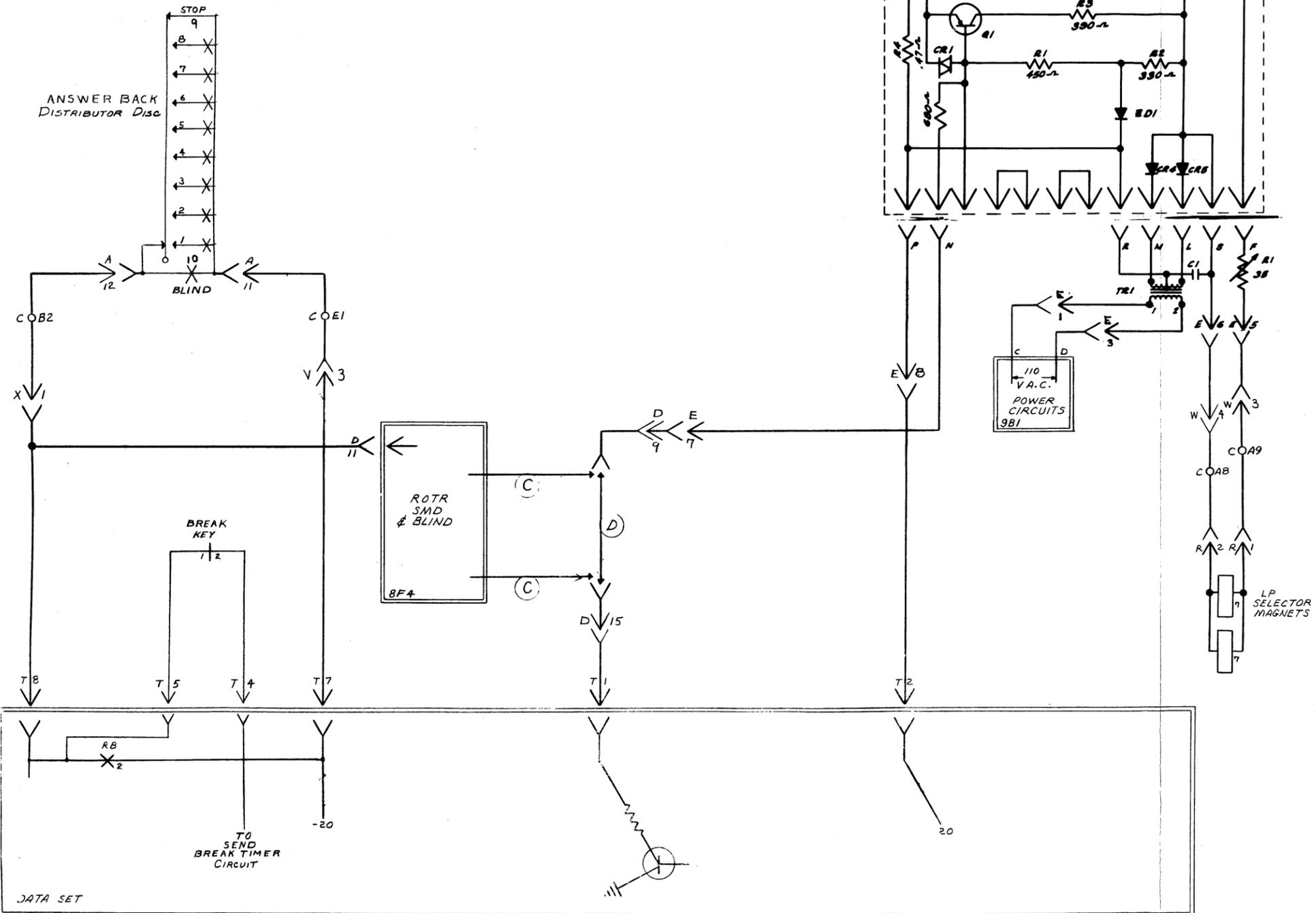
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E-NUMBER	
PROD. NO. WD 6040-B1	
DATE: 8-20-62	
P.D. FILE NO. C-A151AA	
DRAWN R.E.D.	CHKD. <i>Sh</i>
ENGD. R.D.S.	APPD. <i>Sh</i>

TELETYPE
CORPORATION
6040 BI WD

FS-5
SIGNAL GENERATOR AND SELECTOR MAGNET DRIVERS

6040-B2 WD

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2	11-12-62	75072



DETACHED SCHEMATIC
WIRING DIAGRAM FOR
35E, 35F, 35G, 35H
TELETYPE WRITER SET
(EO)
SHEET B2

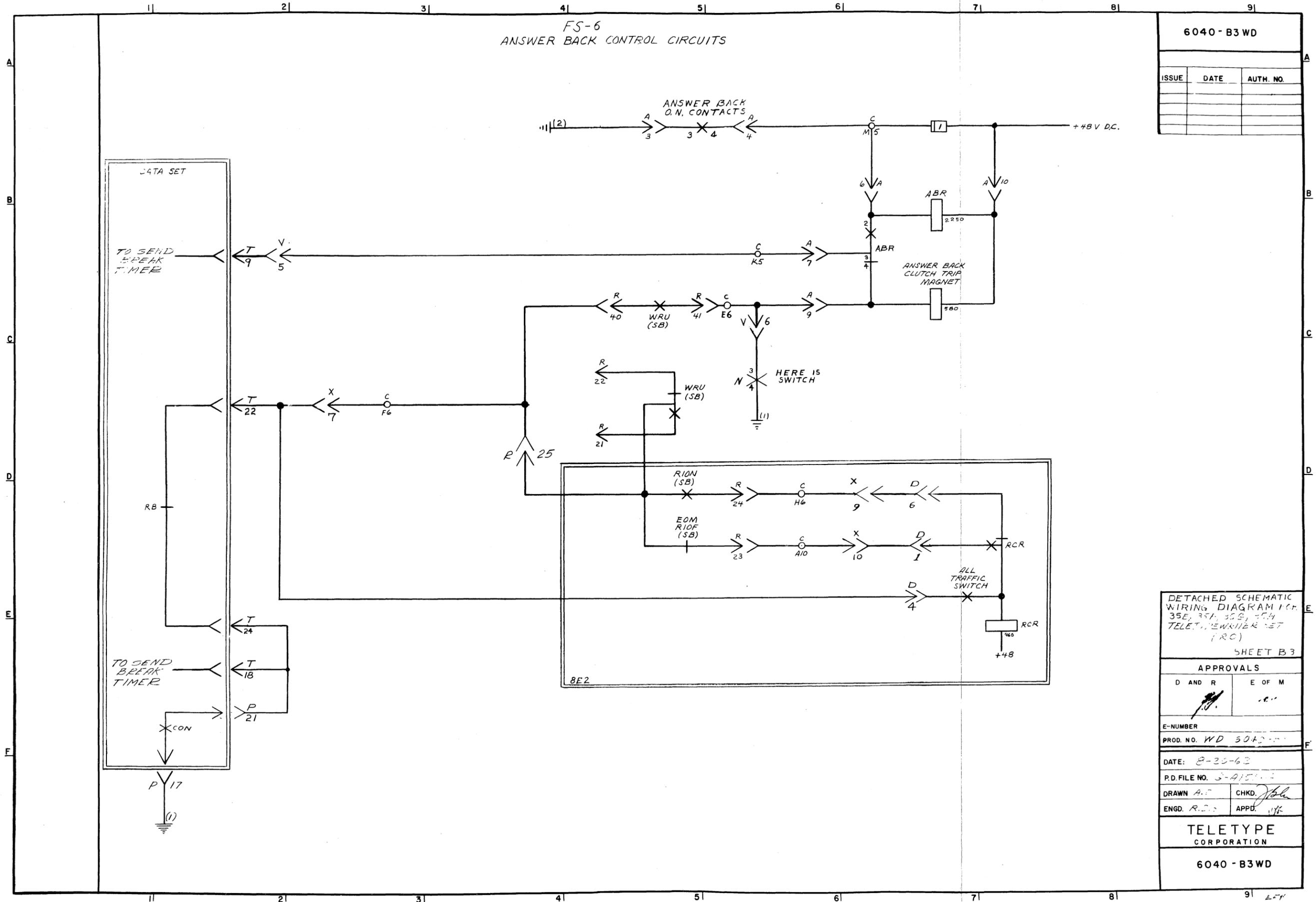
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ENGD: R.D.S.	APPD: <i>[Signature]</i>

TELETYPE
CORPORATION
6040-B2 WD

FS-6
ANSWER BACK CONTROL CIRCUITS

6040-B3WD

ISSUE	DATE	AUTH. NO.

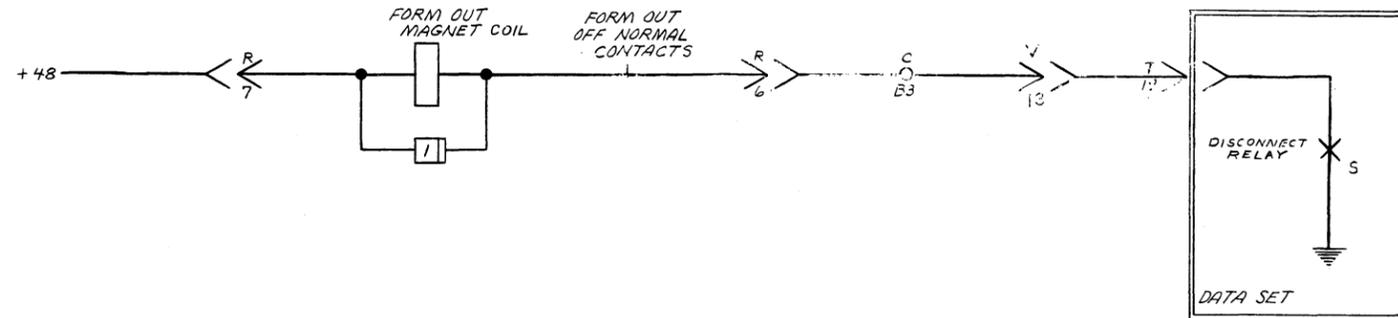


DETACHED SCHEMATIC
WIRING DIAGRAM FOR
352, 357, 358, 359
TELETYPE UNIT SET
(RC)
SHEET B3

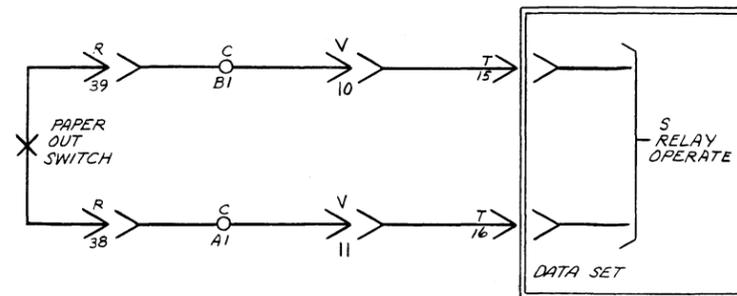
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DATE: 8-25-62	
P.D. FILE NO. S-4151	
DRAWN A.D.	CHKD. J.S.
ENGD. R.D.	APPD. J.S.

TELETYPE
CORPORATION
6040-B3WD

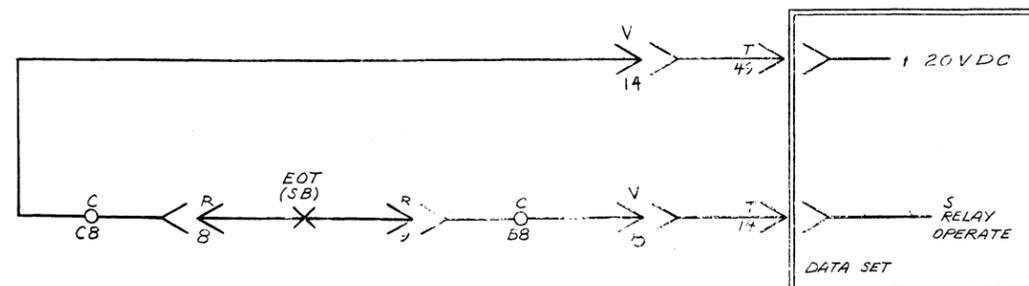
Ⓛ FS-7
FORM OUT MAGNET



FS-8
PAPER OUT DISCONNECT



FS-9
EOT DISCONNECT



SHEET NOTES:
1.  DENOTES 1BSA NET

6040-B4WD

ISSUE	DATE	AUTH. NO.

DETACHED SCHEMATIC
WIRING DIAGRAM FOR
35 E, 35F, 35G, 35H
TELETYPE WRITER
(RO)

SHEET 34

APPROVALS

D AND R	E OF M
	

E-NUMBER

PROD. NO. WD 6040-B4

DATE: 8-2-62

P.D. FILE NO. 2-251-19

DRAWN A.D. CHKD. 

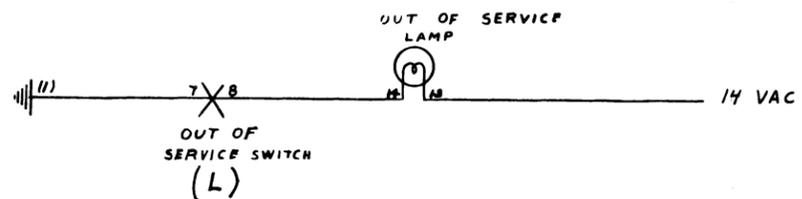
ENG'D. R.D.S. APP'D. 

TELETYPE
CORPORATION

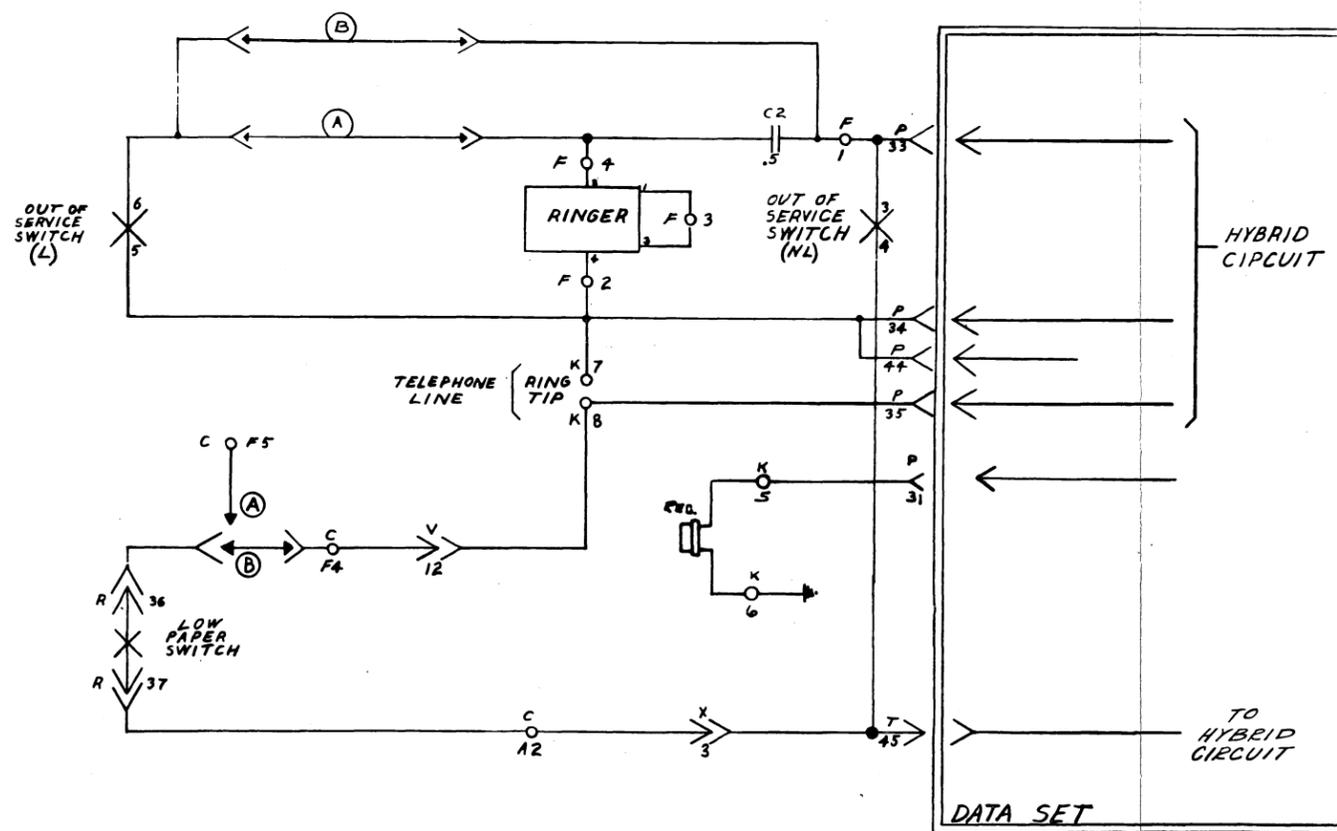
6040-B4WD

ISSUE	DATE	AUTH. NO.
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FS-11
OUT OF SERVICE
INDICATOR



FS-12
RINGER CIRCUIT
& OFF HOOK CIRCUIT



DETACHED SCHEMATIC
WIRING DIAGRAM FOR
35 E, 35 F, 35 G, 35 H
TELETYPEWRITER SET
(RO)
SHEET B6

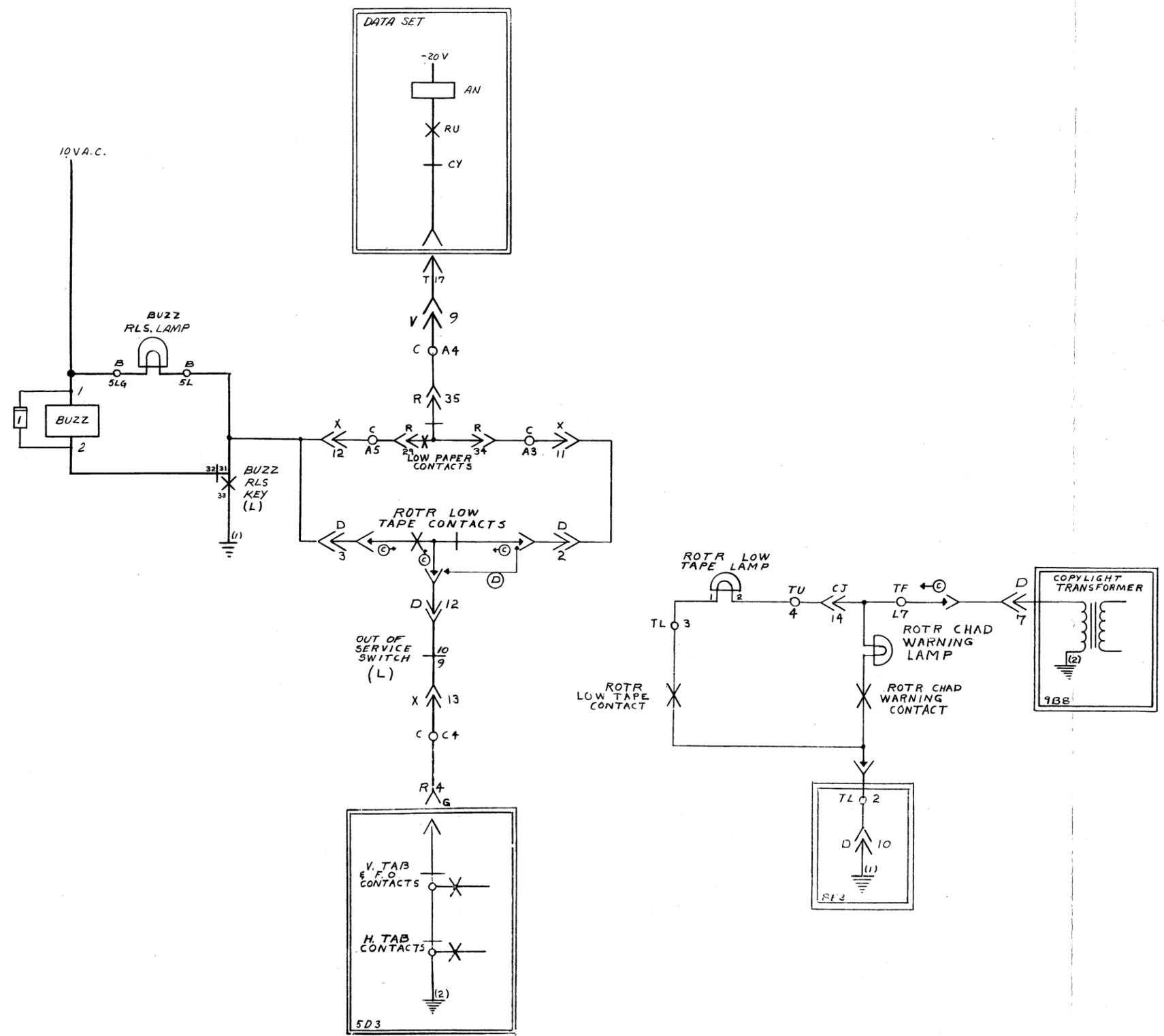
APPROVALS	
D AND R	E OF M
	4
E-NUMBER	
PROD. NO. WD 6040-B6	
DATE: 8-20-62	
P.D. FILE NO. G-A151AA	
DRAWN R.E.D.	CHKD. <i>[Signature]</i>
ENGD. R.D.S.	APPD.

TELETYPE
CORPORATION
6040 - B6 WD

FS - 13
PAPER ALARMS

6040 - 87 WD

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2	11-12-62	75072

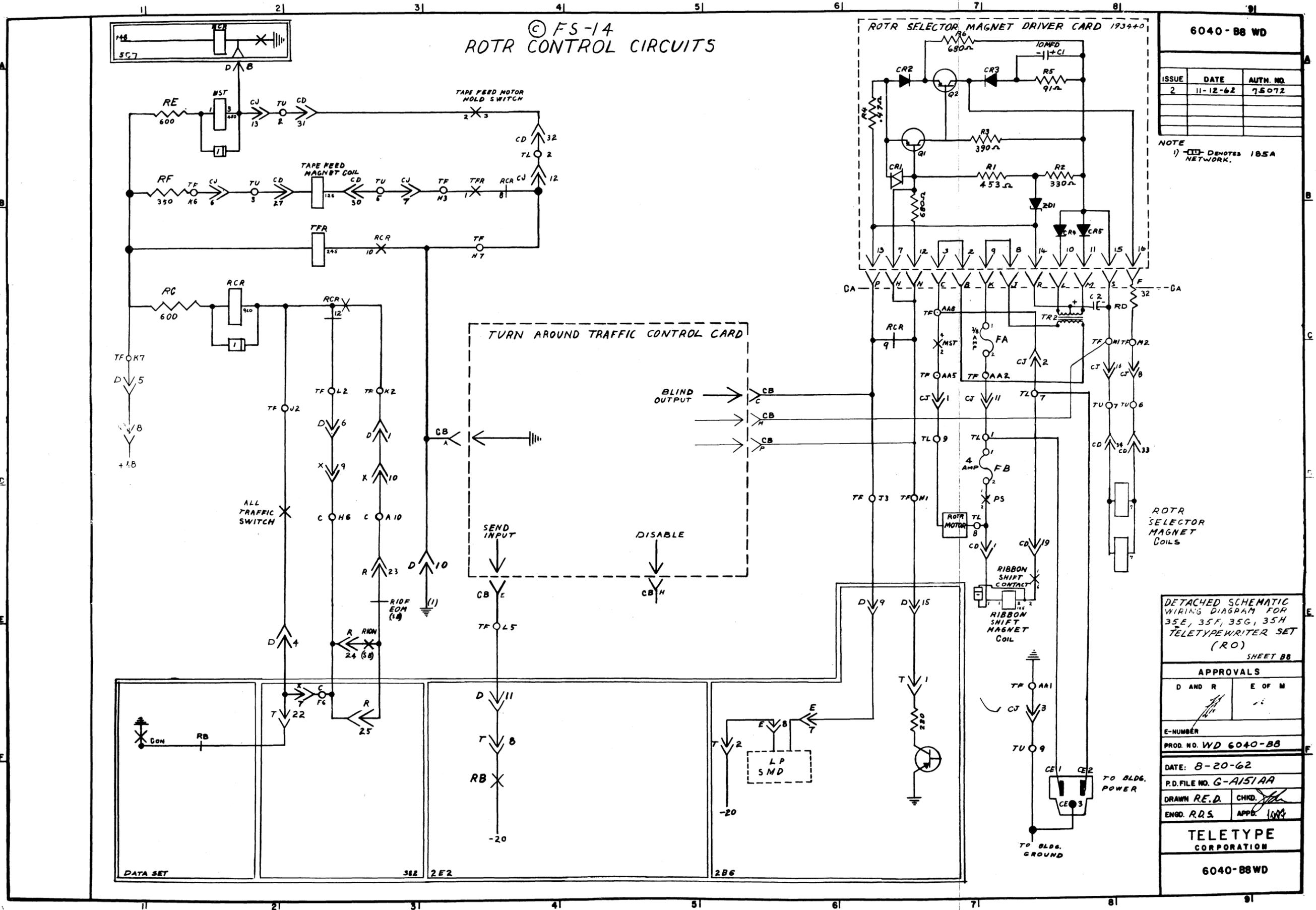


DETACHED SCHEMATIC
WIRING DIAGRAM FOR
35E, 35F, 35G, 35H
TELETYPEWRITER SET
(20)
SHEET 20

APPROVALS	
AND R	E OF M
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PROD. NO. 110 010 50	
DATE: 8-2-62	
P.D. FILE NO. 3-27-4	
DRAWN A.D.	CHKD <i>[Signature]</i>
ENG. R.D.S.	APPD. <i>[Signature]</i>

TELETYPE
CORPORATION
6040 - 87 WD

© FS-14
ROTR CONTROL CIRCUITS



6040-B8 WD

ISSUE	DATE	AUTH. NO.
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NOTE
1) Denotes 185A NETWORK.

DETACHED SCHEMATIC
WIRING DIAGRAM FOR
35E, 35F, 35G, 35H
TELETYPEWRITER SET
(RO)
SHEET 88

APPROVALS

D AND R	E OF M

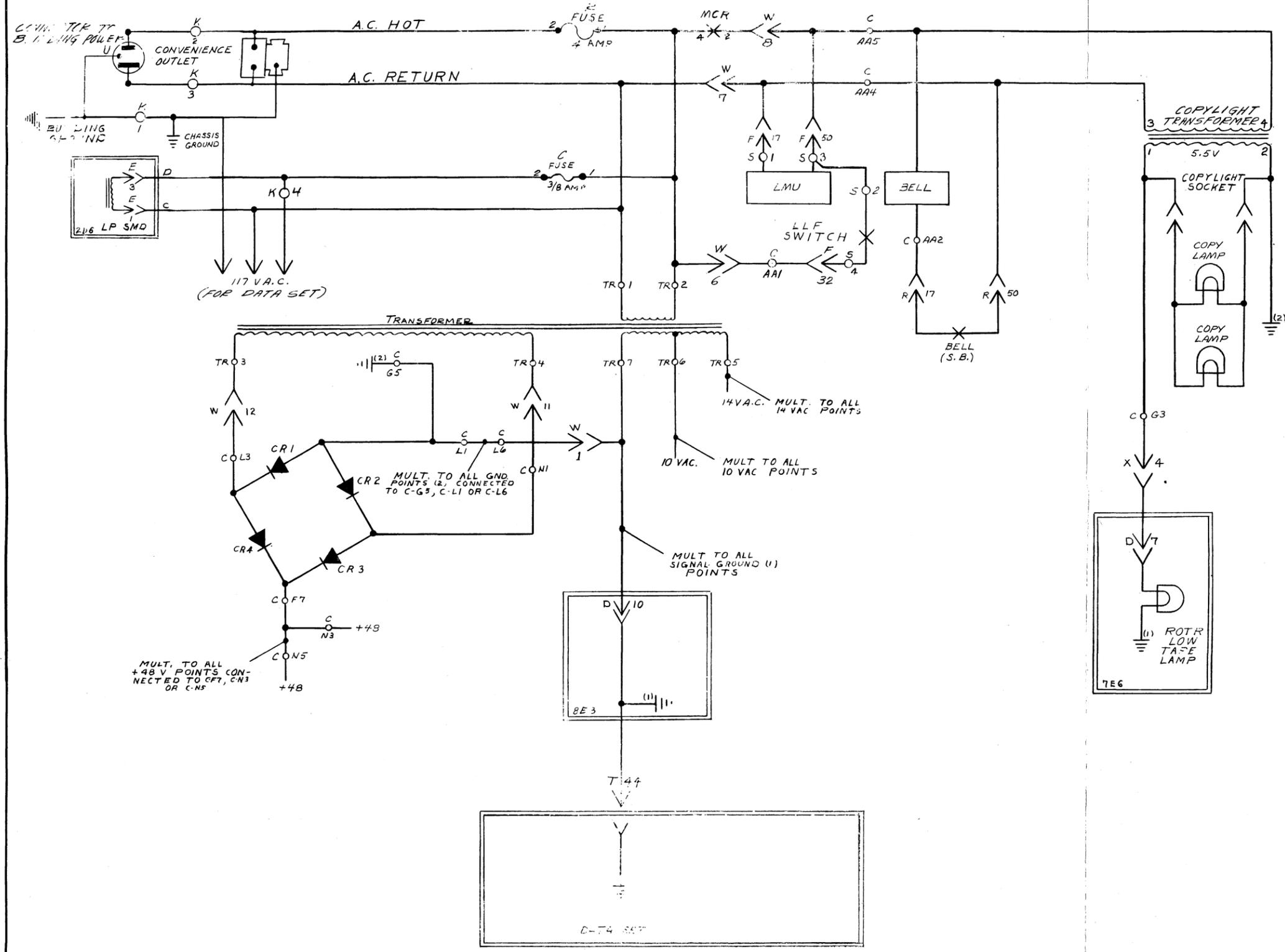
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PROD. NO. WD 6040-B8
DATE: 8-20-62
P.D. FILE NO. G-A151AA
DRAWN R.E.D. CHKD.
ENGR. R.D.S. APPR.

TELETYPE CORPORATION
6040-B8WD

FS-15
POWER AND CABINET CIRCUITS

6040 - B9 WD

ISSUE	DATE	AUTH. NO.
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DETACHED SCHEMATIC
WIRING DIAGRAM FOR
35E, 35F, 35G, 35H
TELETYPE WRITER SET
(RO)
SHEET B9

APPROVALS	
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E-NUMBER	
PROD. NO. 100-1039	
DATE: 3-2-62	
P.D. FILE NO. 6040-B9	
DRAWN: J.C.	CHKD: J.C.
ENGD: J.C.	APPD: J.C.

TELETYPE
CORPORATION
6040 - B9 WD

PART OF APPARATUS FIGURE 1

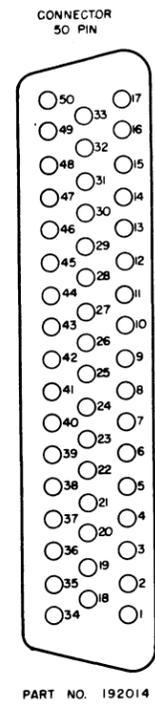
6040WD-CI

ISSUE	DATE	AUTH. NO.

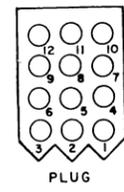
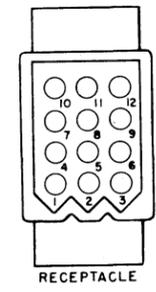
TERMINAL BOARD

DESIG.	C
PART NO.	193422
TERM.	LOC.
AA1	9B5
AA2	9B6
AA3	
AA4	9A6
AA5	9A6
A1	404
A2	6F5
A3	7D4
A4	7C3
A5	7D3
A6	
A7	
A8	2D7
A9	2D7
A10	8D3
B1	4C4
B2	2C1
B3	4A5
B4	
B5	
B6	
B7	
B8	4F4
B9	
B10	
C1	
C2	
C3	
C4	7E3
C5	
C6	
C7	
C8	4F3
C9	
C10	
D1	
D2	
D3	
D4	
D5	
D6	
D7	
D8	
D9	
D10	
E1	2C2
E2	
E3	
E4	
E5	
E6	3C5
E7	
F1	
F2	
F3	
F4	6E4
F5	6E4
F6	3C3
F7	9D2
G1	5C4
G2	
G3	9C7
G4	
G5	9C3

TERM.	LOC.
H1	
H2	
H3	
H4	
H5	
H6	8D2
H7	
J3	
J4	
J5	
J6	
J7	
K1	
K2	
K3	
K4	
K5	3B5
K6	
K7	
L1	9D3
L2	
L3	9D2
L4	
L5	
L6	9D3
L7	
M1	
M2	
M3	
M4	
M5	3A6
M6	
M7	
N1	9D4
N2	
N3	9E2
N4	
N5	9E2
N6	
N7	5C8



DESIG.	R	F
PART NO.	192014	192014
TERM.	LOC.	LOC.
1	2E7	
2	2E7	
3	5D4	
4	7E3	
5	5D4	
6	4A4	
7	4A2	
8	4F3	
9	4F4	
10		
11		
12		
13	5D3	
14	5D3	
15		
16		
17	9C6	9B5
18		
19		
20		
21		
22		
23	8E3	
24	8E3	
25	3D4	
26		
27		
28		
29	7D3	
30		
31		
32		9C5
33		
34	7D4	
35	7C3	
36	6E3	
37	6F3	
38	4D3	
39	4C3	
40	3C4	
41	3C5	
42		
43		
44	5E3	
45	5E4	
46		
47		
48		
49		
50	9C6	9B5

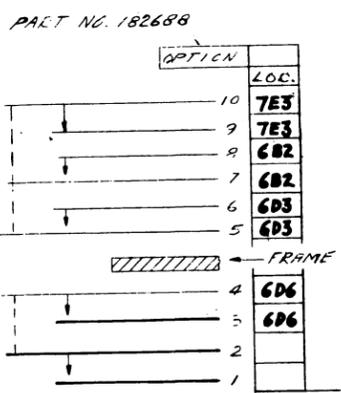


PART NO.	182648	182647
MTG.	CHASSIS	CABLE

TERMINAL NUMBERING AS VIEWED FROM TERMINAL END.
TERMINALS ARE INDIVIDUALLY INSERTED AND MAY BE EITHER MALE OR FEMALE.

INSERT	PART NO.
MALE	182643
FEMALE	182644

KEY



DESIG.	A
PART NO.	182649
TERM.	LOC.
1	5D5
2	5C5
3	3A5
4	3A5
5	
6	3B6
7	3B6
8	
9	3B6
10	3B7
11	2C2
12	2C1

PART NO.	182716	182645
MTG.	CHASSIS	CABLE

TERMINAL NUMBERING AS VIEWED FROM TERMINAL END

TERMINALS ARE INDIVIDUALLY INSERTED AND MAY BE EITHER MALE OR FEMALE

INSERT	PART NO.
MALE	182643
FEMALE	182644

TERMINAL BOARD

DESIG.	K
PART NO.	182611
TERM.	LOC.
1	9B1
2	9A2
3	9A2
4	9B2
5	6E6
6	6E6
7	6E5
8	6E5
9	

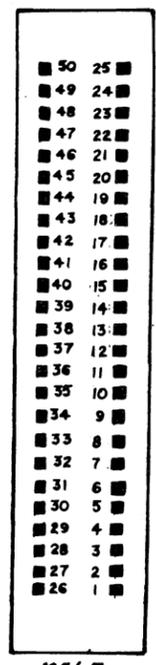
15 PIN RECEPTACLE



DESIG.	SMD
PART NO.	182536
TERM.	LOC.
1	
2	
3	
4	
5	
6	2C7
7	
8	
9	
10	2C7
11	2C7
12	2C6
13	2C6
14	2C7
15	2C7

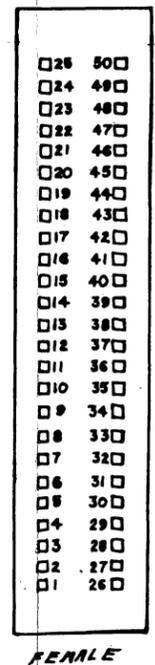
A THRU S NOT USED

182732 CONNECTOR



MALE

182733 CONNECTOR



FEMALE

CONNECTOR

DESIG.	E
PART NO.	182716
TERM.	LOC.
1	2D6
2	
3	2D6
4	
5	2D7
6	2D7
7	2D4
8	2D6
9	

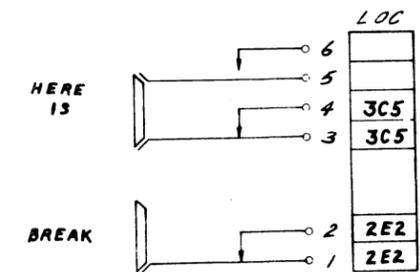
CONNECTOR

DESIG.	P	T
PART NO.	182733	182732
TERM.	LOC.	LOC.
1	1D7	2E4
2	1D7	2E6
3	1B7	
4	1B7	2E2
5	1F7	2E2
6	1F7	
7		2E2
8		2E1
9		3B2
10		
11		
12		
13	1D2	
14		4F5
15	1C2	4C5
16	1D2	4D5
17		7C3
18		3E2
19		
20		
21	3F2	
22	1C2	3C2
23		
24		3E2
25		
26		
27		
28		
29		
30		
31	6E6	
32	5C7	
33	6D6	
34	6E6	
35	6E6	
36	1C7	
37	1C7	
38	1C7	
39	1E7	
40		
41		
42		
43		
44	6E6	9F4
45		6F6
46		
47		
48		
49		4E5
50		

DESIG.	COPYRIGHT
PART NO.	100657
OPTION	100658
TERM.	LOC.
1	9B7
2	9B8

PRINTED CIRCUIT CARDS

DESIG.	PART NO.	LOC.
LP SELECTOR MAGNET DRIVER	100440	2B6



PART NO. TERMINALS ARE INSERTED INDIVIDUALLY AND ARE ALL MALE.

APPARATUS FIGURE FOR 35E, 35F, 35G, 35H TELETYPEWRITER SET (RO)

APPROVALS

D AND R E OF M

E-NUMBER PROD. NO. 6040-CI

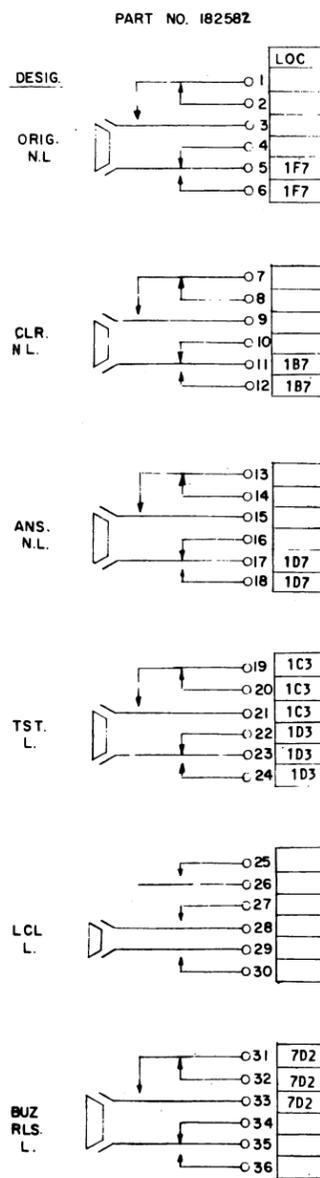
DATE: 10-5-62
P.D. FILE NO. G-A151A
DRAWN GCK CHKD. J. J. J.
ENGR. WEC APPD. J. J. J.

TELETYPE CORPORATION

6040WD-CI

PART OF
APPARATUS FIGURE 1

SWITCH ASSEMBLY



BUZZER

DESIG.	LOC.	PART NO.
BUZZER	7D1	182718

CORD

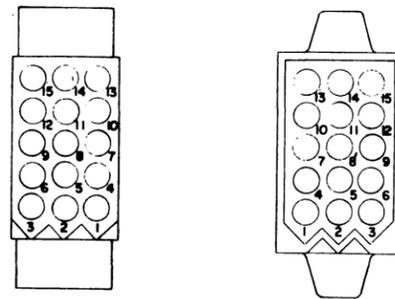
DESIG.	LOC.	PART NO.
U	9A1	182510

CONVENIENCE RECEPTACLE

DESIG.	LOC.	PART NO.
M	9A2	178884

RINGER

DESIG.	LOC.	PART NO.
RINGER	6D5	182608



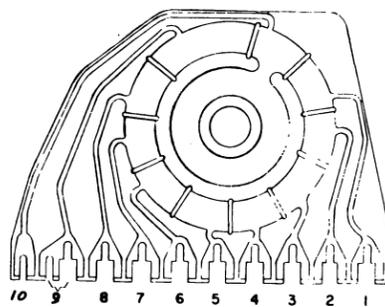
PART NO.	182539	182540
MTG.	CHASSIS	CABLE

TERMINAL NUMBERING AS VIEWED FROM TERMINAL END
TERMINALS ARE INDIVIDUALLY INSERTED AND MAY BE EITHER MALE OR FEMALE

INSERT	PART NO.
MALE	182643
FEMALE	182644

CONNECTOR

DESIG.	V	W	X	D	D
PART NO.	182539	182539	182539	182539	182539
OPTION				C	D
TERM.	LOC.	LOC.	LOC.	LOC.	LOC.
1		9D4	2D1	8D3	
2				7D4	7D4
3	2D2	2D7	6F5	7D3	
4		2D7	9D7	8E2	
5	3B2		5C6	8C1	
6	3C5	9C5		8D2	
7		9A5	3C2	7E7	
8	4F5	9A5	8D1	8A2	
9	7C3	5C8	8D2	2D4	2D4
10	4C4		8D3	8E3	
11	4D4	9D4	7D4	2D2	
12	6E4	9D2	7D3	7E3	7E3
13	4A5		7E3		
14	4E5				
15				2E4	2E4



DISTRIBUTOR DISC

DESIG.	PART NO.	LOC.
	182687	
TERM.		LOC.
1		2C2
2		2C2
3		2C2
4		2C2
5		2B2
6		2B2
7		2B2
8		2B2
9		2B2
10		2C2

TERMINAL BOARD

DESIG.	S	F
PART NO.	151415	151415
TERM.	LOC.	LOC.
1	9B5	6D6
2	9B5	6D5
3	9B5	6D5
4	9B5	6D5

MOTOR

DESIG.	LOC.	PART NO.
LMU3	9B5	151786

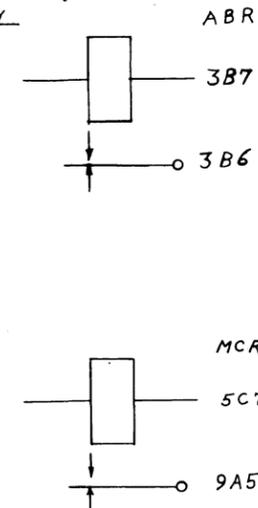
SWITCH

DESIG.	PART NO.	LOC.
	192225	
TERM.		LOC.
1		5D5
2		5D5
3		3A5
4		3A5

MAGNET COIL

DESIG.	PART NO.	LOC.
AB CLUTCH TRIP	274M	3C7

RELAY



BELL

DESIG.	LOC.	PART NO.
BELL	9B6	183451

DIODES

DESIG.	LOC.	PART NO.
CR1	9D2	171541
CR2	9D2	171541
CR3	9D2	171541
CR4	9D2	171541

NETWORKS

DESIG.	LOC.	PART NO.
ABR	3A7	153631
MCR	5C7	153631
BUZZ	7C1	153631

TRANSFORMERS

DESIG.	LOC.	PART NO.
TR1	2C7	182513
TR	9B3	182687
COPY LIGHT	9C8	183412

DESIG. - REC
LOC. - 6E5
OPTION
PART NO. 182662
WECO CODE
731A61

6040WD-C2

ISSUE	DATE	AUTH. NO.

LAMPS

DESIG.	PART NO.	LOC.
(2) COPY	151882	9C8
TST	182623	1D3
CLR	182623	1C7
ANS	182623	1C7
ORIG	182623	1F7
OUT OF SERVICE	182623	6B3
BUZZ ALS	182623	7C2

CAPACITORS

DESIG.	LOC.	PART NO.	VALUE
C1	2C7	182501	100PF
C2	6D6	182761	.5MFD

FUSES

DESIG.	LOC.	PART NO.	VALUE
C	9B4	153263	3/8 A.
R	9A4	129915	4 A.

RESISTORS

DESIG.	LOC.	PART NO.	VALUE
R1	2C7	182517	35.0
R2	5C8	171524	700.0

APPARATUS FIGURE FOR
35E, 35F, 35Q, 35H
TELETYPEWRITER
SET (RO)

APPROVALS
D AND R E OF M
[Signatures]

E-NUMBER
PROD. NO. 6040WD-C2

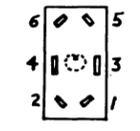
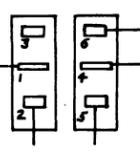
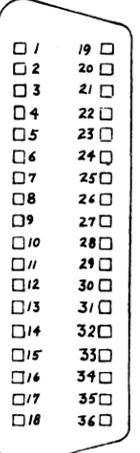
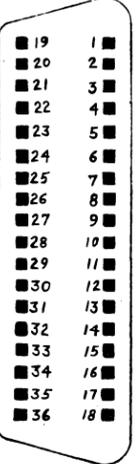
DATE: 10-5-62
P.D. FILE NO. G-A151AA
DRAWN GCK CHKD *[Signature]*
ENGD. WEC APPD *[Signature]*

TELETYPE CORPORATION
6040WD-C2

APPARATUS FIGURE 2

6040WD-C3

ISSUE	DATE	AUTH. NO.



CONNECTOR

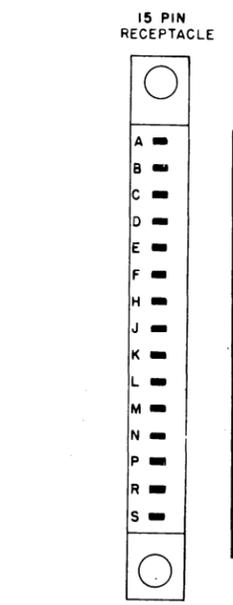
DESIG.	CD
PART NO. 141338 / 161239	
TERM. LOC.	
1	BE7
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	BE7
20	
21	
22	
23	
24	
25	
26	
27	BB2
28	
29	
30	BB2
31	BA2
32	BA4
33	BD8
34	BD8
35	
36	

SWITCH

DESIG.	TAPP OUT
PART NO. 194220	
TERM. LOC.	
1	7E5
2	7E5
3	
4	7D3
5	7D3
6	7D3

SWITCH

DESIG.	ALL TRAFFIC
PART NO. 139778	
TERM. LOC.	
1	BD2
2	
3	BD2
4	
5	
6	



PART NO. 193040
TERMINALS ON BOTTOM OF RECEPTACLE ARE WIRE WRAP.

TERMINAL BOARD

DESIG.	TU	TL
PART NO. 151411 151411		
TERM. LOC. LOC.		
1		BD7
2	BA2	BB4
3	BB2	7E5
4	7E5	
5	BB3	
6	BC8	
7	BC8	BC7
8		BD7
9	BF7	BD7
10		
11		
12		
13		
14		
15		
16		
17		
18		

TRANSFORMERS

DESIG.	LOC.	PART NO.
TA2	BC8	182510

CONNECTOR

DESIG.	CA	CB
PART NO. 193040 193040		
TERM. LOC. LOC.		
A		BD3
B	BC7	
C	BC7	BD5
D		
E		BE3
F	BC8	
H	BC6	BE5
J	BC7	
K	BC7	
L	BC7	
M	BC8	BD5
N	BC6	
P	BC6	BD5
R	BC7	
S	BC8	

RELAY

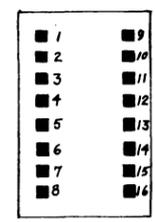
DESIG	RCR	TFR
CODE	AK-1	AK-1
PART NO.	193834	193834
CONT ARR	LOC	CONT ARR
LOC	LOC	LOC
12	EBM	BC2
11	EBM	
10	M	BB3
9	B	BC6
8	EMB	BB4
7		
6		
5		
4		
3		
2		
1		
COIL	BC2	BB2

LAMPS

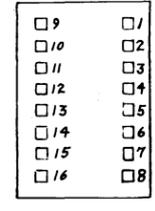
DESIG.	PART NO.	LOC
ROTR LOW TAPE	151982	7D5
ROTR CHAD WARNING	151982	7E6

SWITCHES

DESIG.	LOC.	PART NO.
ROTR CHAD WARNING	7E6	151982
TAPE FEED	8A3	125005
ROTR	BD7	17074



159541



159542

CONNECTOR

DESIG.	CJ
PART NO. 159541 159542	
TERM. LOC.	
1	BD7
2	BC8
3	BF7
4	
5	
6	BB2
7	BB3
8	BC8
9	
10	
11	BD7
12	BB4
13	BA2
14	7D6
15	
16	BC8

PRINTED CIRCUIT CARDS

DESIG.	PART NO.	LOC.
ROTR SELECTOR MAGNET DRIVER	193440	BB7

RESISTORS

DESIG.	LOC.	PART NO.	VALUE
RE	BA1	153455	600
RF	BB1	77362	350
RC	BC1	153455	600
RD	BC8	193489	32

MAGNET COILS

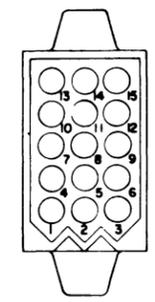
DESIG.	LOC.	PART NO.
ROTR	BD8	271M
TAPE FEED	BB2	224M
ROTR SHIFT	BE7	224M

CAPACITOR

DESIG.	LOC.	PART NO.	VALUE
C2	BC8	182501	1500MFD

MOTOR

DESIG.	LOC.	PART NO.
ROTR	BD7	17074



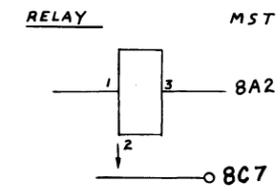
182540
CABLE

TERMINAL NUMBERING AS VIEWED FROM TERMINAL END
TERMINALS ARE INDIVIDUALLY INSERTED AND MAY BE EITHER MALE OR FEMALE

INSERT	PART NO.
MALE	182643
FEMALE	182644

CONNECTOR

DESIG.	D
PART NO. 182540	
TERM. LOC.	
1	BD3
2	7D4
3	7D3
4	BE2
5	BC1
6	BD2
7	7E7
8	BA2
9	2D4
10	BE3
11	2D2
12	7E3
13	
14	
15	2E4



FUSES

DESIG.	LOC.	PART NO.	VALUE
FA	BC7	158263	3/8A.
FB	BD7	125915	4A.

NETWORKS

DESIG.	LOC.	PART NO.
MST	BB2	153631
RCR	BC2	153631

CORD

DESIG.	LOC.	PART NO.
CE	BF8	114467

TERMINAL BOARD

DESIG.	TF
PART NO. 193068	
TERM. LOC.	
AA1	BE7
AA2	BC7
AA3	
AA4	
AA5	BC7
AA6	BC7
AA7	
H1	BD6
H2	
H3	BB3
H4	
H5	
H6	
H7	BB3
J1	
J2	BC2
J3	BD6
J4	
J5	
J6	
J7	
K1	
K2	BC3
K3	
K4	
K5	
K6	BB1
K7	BC1
L1	
L2	BC2
L3	
L4	
L5	BE3
L6	
L7	7D6
M1	BC8
M2	BC8
M3	
M4	
M5	
M6	
M7	

APPARATUS FIGURE FOR 35E, 35F, 35G, 35H TELETYPEWRITER SET (RO)

APPROVALS

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

E-NUMBER

PROD. NO. 6040WD-C3

DATE: 10-5-62

P.D. FILE NO. G-A151AA

DRAWN GCK CHKD *[Signature]*

ENGD. WEC APPD *[Signature]*

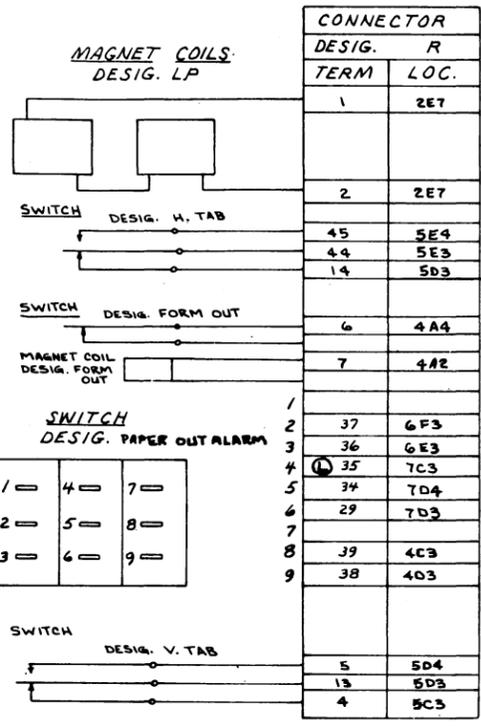
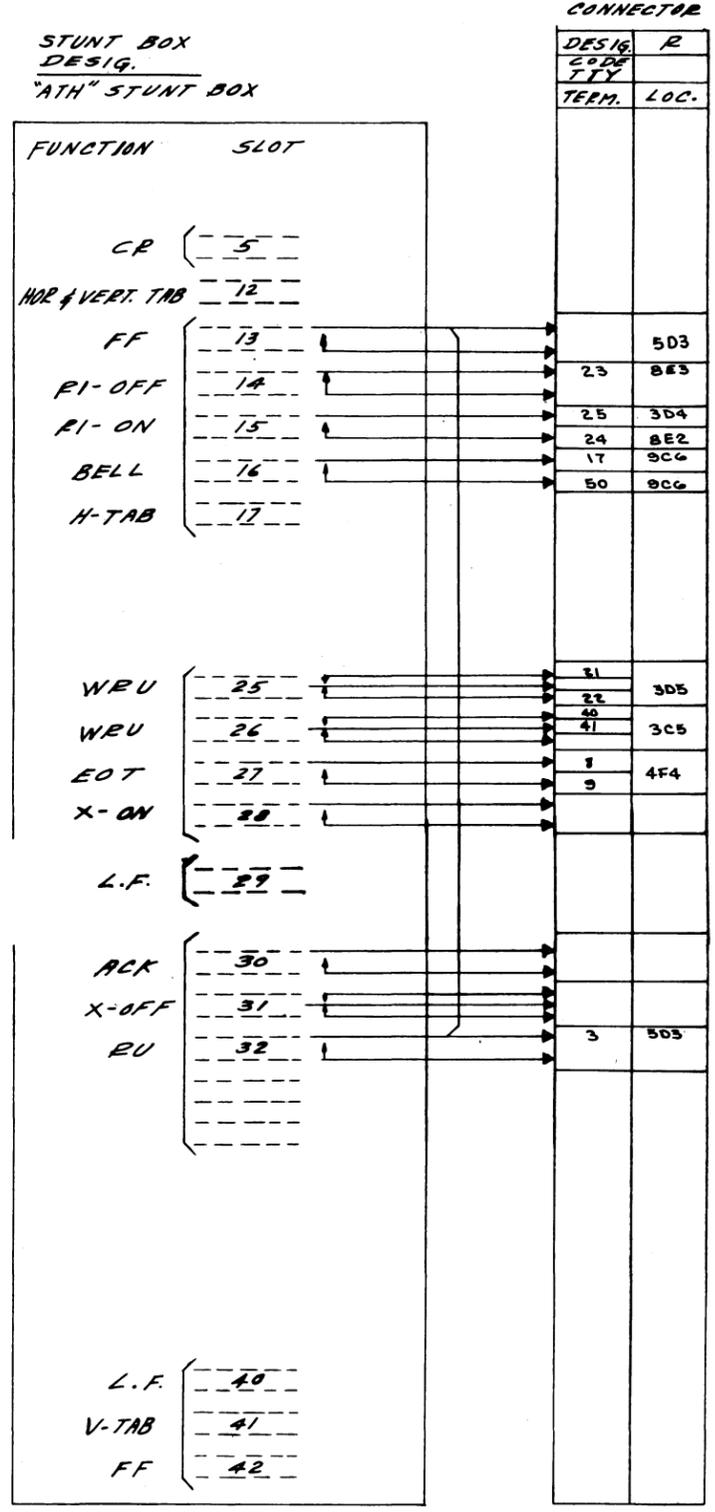
TELETYPE CORPORATION

6040WD-C3

ISSUE	DATE	AUTH. NO.

APPARATUS FIGURE 4

APP. FIG. 5



PRINTED CIRCUIT CARDS

DESIG.	PART NO.	LOC.
TURN AROUND TRAFFIC CONTROL	177519	8D4

NETWORK

DESIG.	LOC.	PART NO.
FORM OUT	4B3	153631

SWITCH (X)
DESIG. PAPER JAM ALARM

1 =	5 =
2 =	6 =
3 =	7 =
4 =	8 =

TERM.	LOC.	PART OF R. CONN.	LOC.
1			
2	4D3		
3			
4	4D3		
5	7C3	35	7C3
6	7C3		
7			
8	7C3		

APPARATUS FIGURE FOR 35E, 35F, 35G, 35H TELETYPEWRITER SET (RO)

APPROVALS

D AND B E OF M

E-NUMBER
PROD. NO. 6040WD-C5

DATE: 10-5-62
P.D. FILE NO. G-A151AA
DRAWN GCK CHKD. J. J. J.
ENGD. WEC APPD. J. J. J.

TELETYPE CORPORATION

6040WD-C5

