

SHEET INDEX (INITIATED ON ISSUE 3)

FIG.	CONTENTS	SHEET NO.	ISSUE NO.																		OLD SHEET NO.
			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
	SHEET INDEX SUPPORTING INFORMATION	A1	3																		
	CIRCUIT NOTES INFORMATION NOTES WORKING LIMITS FIGURES & OPTIONS FIG. 101	B1	3																		-011
1 4	LINE & CONTROL CKT (MD) CONN BLOCKS IN NO. 2A TEL ANSWERING SET. SEE NOTE 107 (MD)	C1	3																		-012
2	KEY TEL CONTROL STA CKT (MD)	C2	3																		-013
3	CONTROL STA CKT (MD)	C3	3																		-014
5	CONTROL STA CKT SEE NOTE 108	C4	3																		
	CIRCUIT REQUIREMENTS	D1	3																		-014

DWG 188	CD 188	DWG 188	CD 188	DWG 188	CD 188
1	1	2D	APP 10		
DWG ISSUE	CD ISSUE	DATE ISSUED	DRAWN	APP	
3A	1	APP 2A	3-4-65	HBW DHC	ADP GAP ARM

SHEET INDEX NOTES

1. WHEN CHANGES ARE MADE IN THIS DRAWING, ONLY THOSE SHEETS AFFECTED WILL BE REISSUED.
2. THIS SHEET INDEX WILL BE REISSUED AND BROUGHT UP TO DATE EACH TIME ANY SHEET OF THE DRAWING IS REISSUED, OR A NEW SHEET IS ADDED.
3. THE ISSUE NUMBER ASSIGNED TO A CHANGED OR NEW SHEET WILL BE THE SAME ISSUE NUMBER AS THAT OF THE SHEET INDEX
4. SHEETS THAT ARE NOT CHANGED WILL RETAIN THEIR EXISTING ISSUE NUMBER.
5. THE LAST ISSUE NUMBER OF THE SHEET INDEX IS RECOGNIZED AS THE LATEST ISSUE NUMBER OF THE DRAWING AS A WHOLE.
6. "OLD SHEET NO." REFERS TO SHEET NO. PRIOR TO ISSUE: 3A.

SUPPORTING INFORMATION

CATEGORY	NO.

PARTIALLY REPLACED BY SD-69385-01

SD-69364-01

STATION SYSTEMS
CONTROL STATION CIRCUIT
FOR USE WITH CENTRAL OFFICE GROUP
ALERTING SYSTEM

AT&TCO
STANDARD

SD-69364-01-A1
7 SHEETS

BELL TELEPHONE LABORATORIES
INCORPORATED

DWG SIZE
3S

PRINTED IN U. S. A.

CIRCUIT NOTES:

101.

DESIG	AMP	POTENTIAL FUSED	ONE PER

102.

FEATURE OR OPTION	PROVIDE	
	FIGS	QUANTITY
CONTROL STATION CKT - LIVE ANNOUNCEMENTS ONLY	5	ONE PER INSTL

103.

NETWORK VALUES			
NO.	NETWORK CODE	RESISTANCE	CAPACITANCE
		IN OHMS	IN UF

104.

RECORD OF FIGURES, WIRING AND APPARATUS CHANGES						
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT		
				STD	A&M	MD
2D						FIGS. 1,2,4

105. (MFR. DISC.)
MODIFY THE KEY TELEPHONE SET OF FIG. 2 AS SHOWN IN THE FOLLOWING TABLE AND NOTES:

LEAD	BK-BR	Y	BK	Y-BK
CORD CONDUCTOR				
FROM	X	L1	ON1	IT
TO	RR	X	L2	IR

CONVERT PICKUP KEY NO. 5 TO NON-LOCKING BY REMOVING SCREW DETAIL P-12A892 FROM THE PLUNGER. PLACE A 51A LAMP IN LAMP SOCKET NO. 5 ASSOCIATED WITH NO. 5 PICKUP KEY. TERMINATE ALL UNUSED CORD CONDUCTORS ON CONNECTING BLOCKS OR TAPE AND STORE.

106. (MFR. DISC.)
MODIFY THE TELEPHONE SET OF FIG. 3 AS SHOWN IN THE FOLLOWING TABLE AND NOTES:

LEAD	BK	S
CORD CONDUCTOR		
FROM	G	L2
TO	L1	G

CONNECT A 511Ω KS-14603, L1A RESISTOR BETWEEN TERMINALS L1 AND G OF 425B NETWORK AS SHOWN IN FIG. 101.

107. (MFR. DISC.)
REVISE THE STRAPPING ON T54 OF THE 2A TELEPHONE ANSWERING SET AS SHOWN IN THE FOLLOWING TABLE:

REMOVE STRAPS	ADD STRAPS
7-8	9-10

108. A. REMOVE D10H CORD SUPPLIED WITH SET AND REPLACE WITH A D38N CORD.
B. MODIFY THE TELEPHONE SET OF FIG. 5 AS SHOWN IN THE FOLLOWING TABLE:

LEAD	SWITCHHOOK				DIAL RING		CORD			
	S	Y	BR	G	W	G	BK	Y	G	R
FROM	4	E1	5	E2	RR	E2	G			
TO	G	L2	C	L1	F	RR	L2	L1	L1	L2

- C. CONNECT A 511-OHM KS-14603 L1A RESISTOR BETWEEN TERMINALS L1 AND G OF 425B NETWORK AS SHOWN IN FIG. 101.
D. STENCIL BOTTOM OF TELEPHONE SET "MODIFIED PER SD-69364-01".

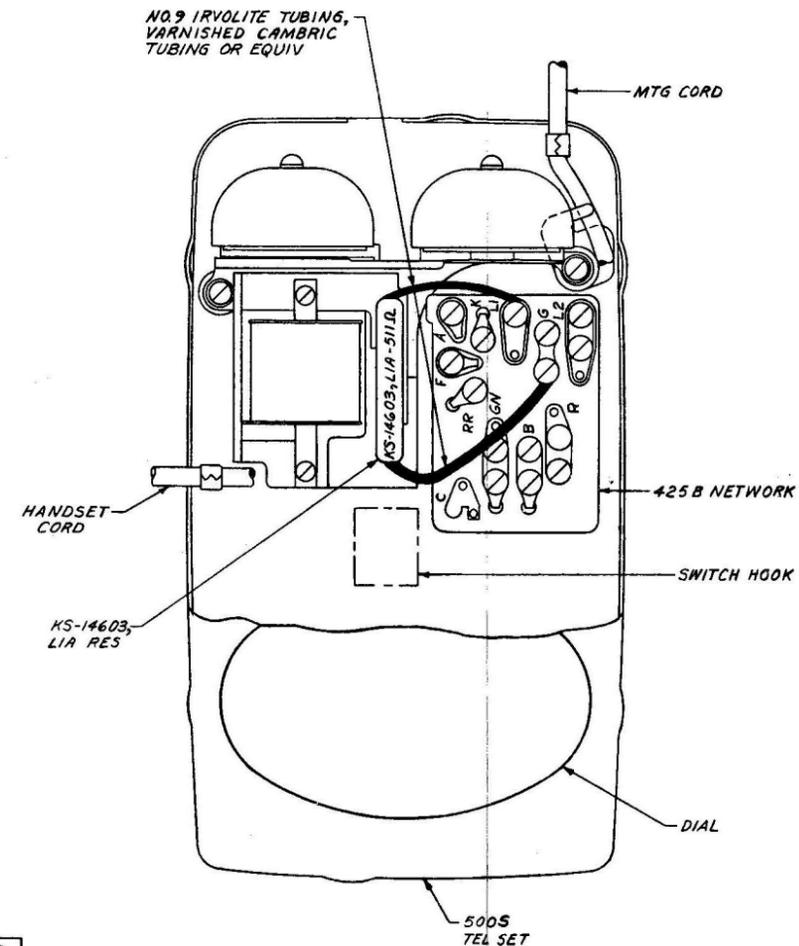
INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED:
RESISTANCE VALUES ARE IN OHMS,
CAPACITANCE VALUES ARE IN MICROFARADS,
VALUES PRECEDED BY THE SYMBOL + (PLUS) OR - (MINUS) ARE IN VOLTS.

WORKING LIMITS

OPERATING RANGE FOR THE (R) RELAY, FIG. 1:
MAXIMUM EXTERNAL CIRCUIT LOOP RES=1500Ω
BASED ON A MINIMUM 20 CYCLE RINGING VOLTAGE OF 80 VOLTS AND 10,000 OHM MINIMUM INSULATION RESISTANCE.

FIG. 101

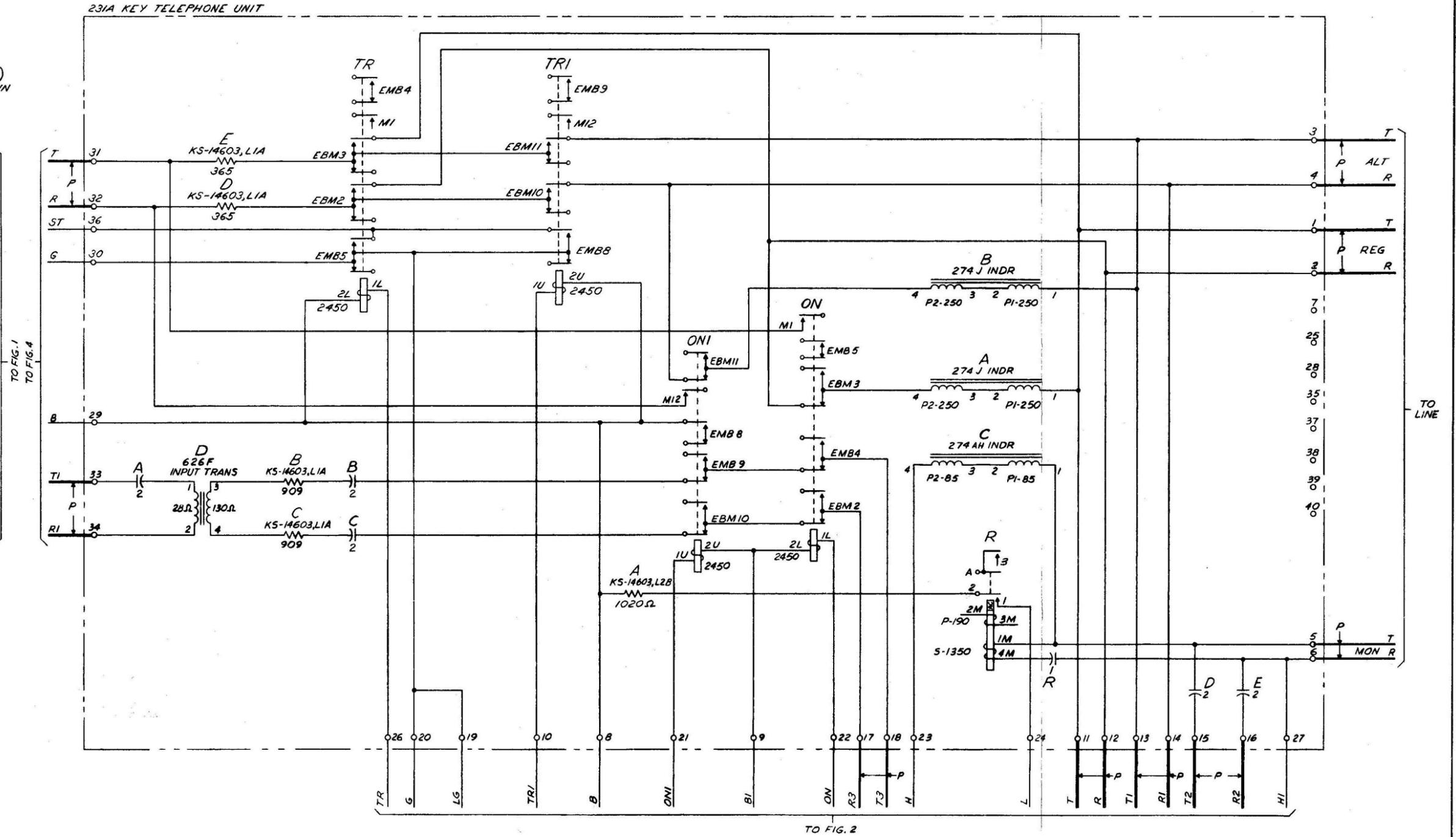
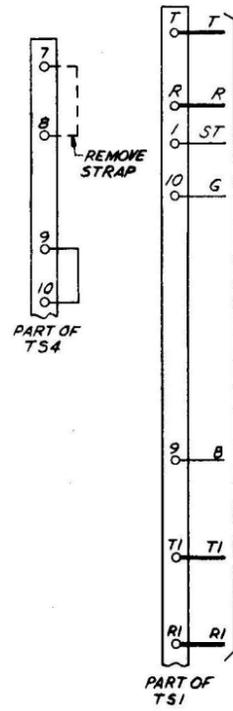


FIGURES AND OPTIONS ON THIS DWG

CKT FIG	APP OR WIRING
1	101
2	
3	
4	
5	

FIG. 1 (MFR. DISC.)
LINE AND CONTROL CKT

FIG. 4 (MFR. DISC.)
CONNECTING BLOCKS IN
NO. 2A TELEPHONE
ANSWERING SET
SEE NOTE 107



DRAWING	ISSUE
1	P.J.R.
2D	D.W.C.
3A	H.B.M.
	D.W.C.
	A.R.R.

FIG. 2 (MFR. DISC)
KEY TELEPHONE CONTROL STATION CIRCUIT

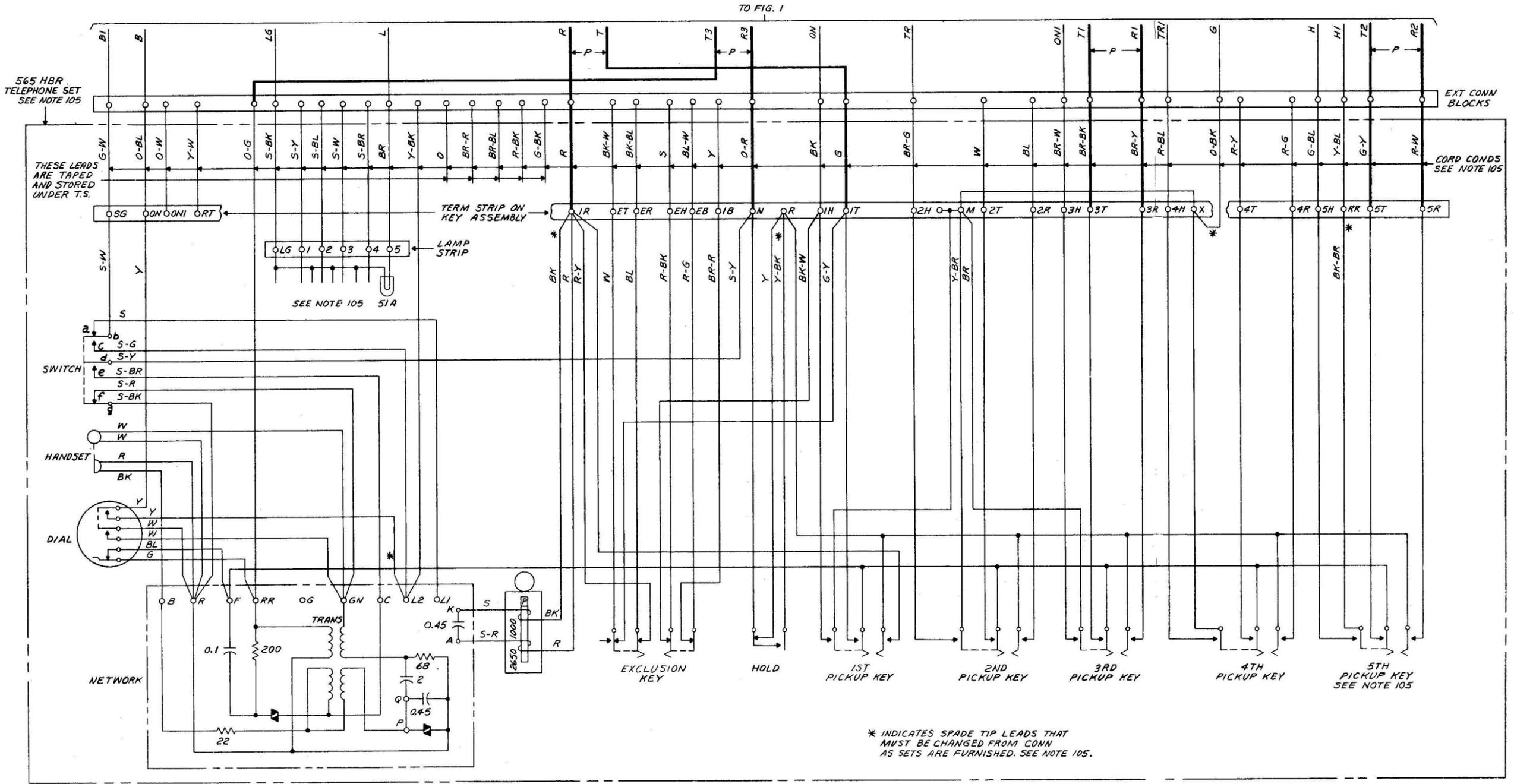


FIG. 3 (MFR DISC.)
CONTROL STATION CKT

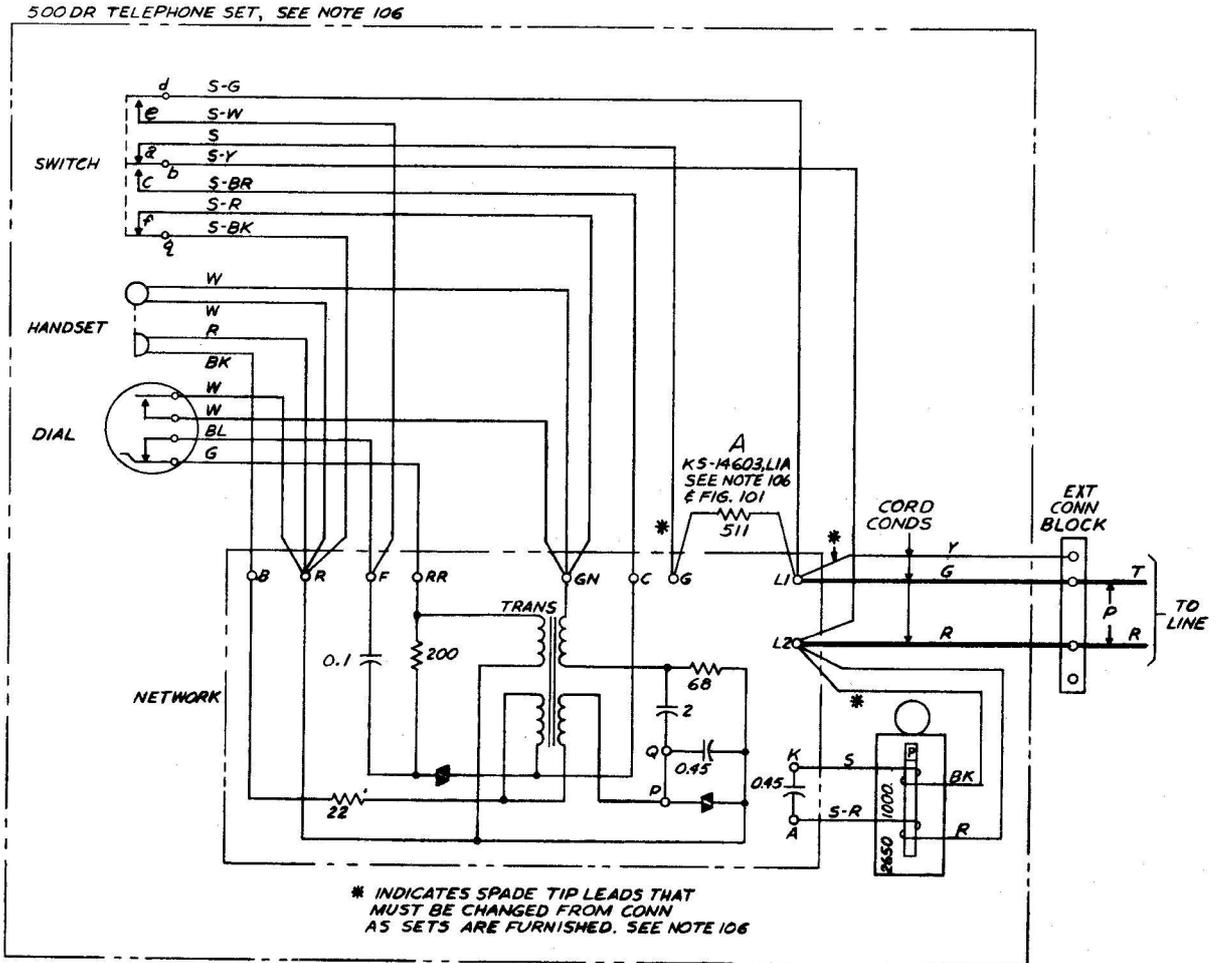
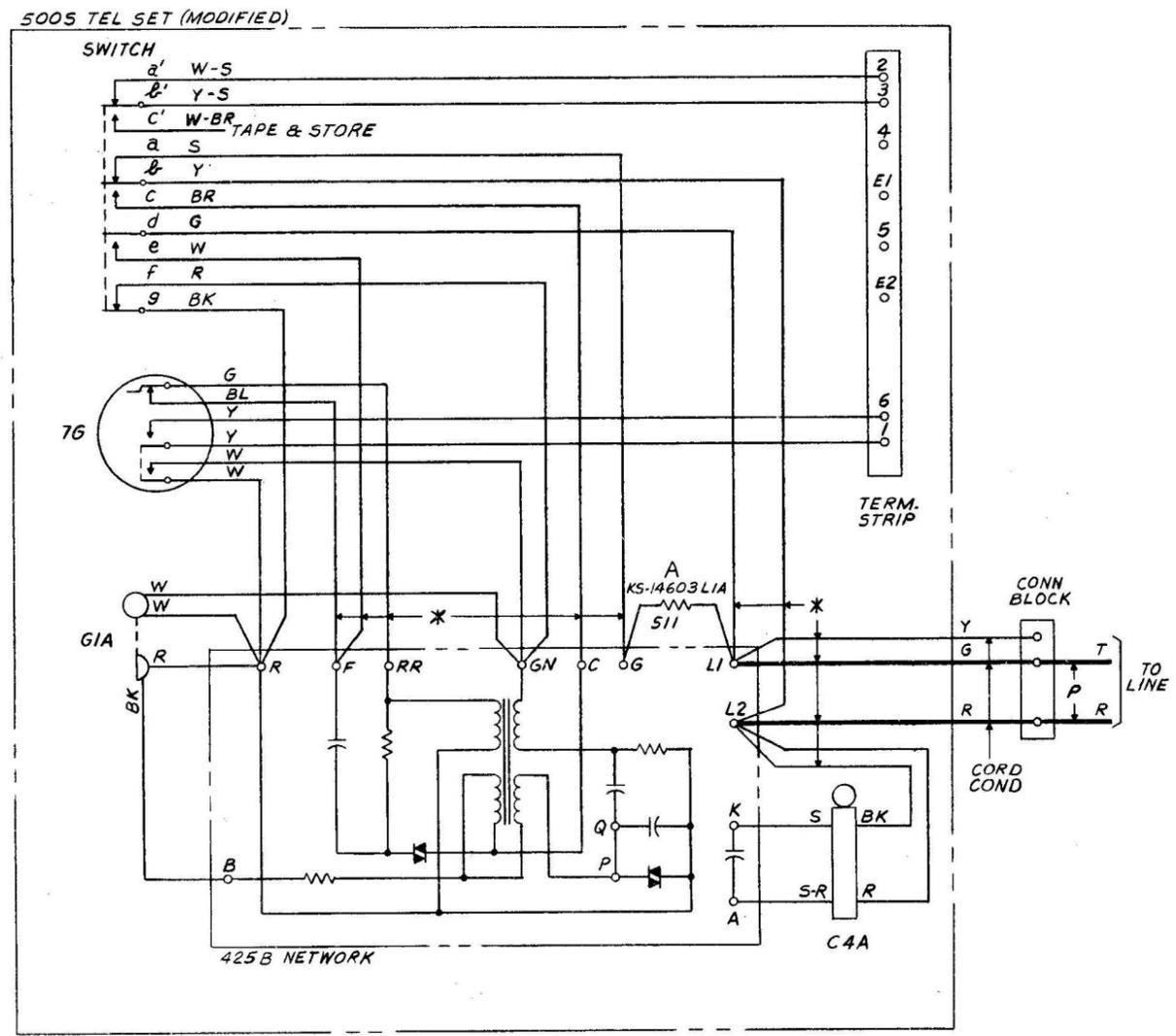


FIG. 5
CONTROL STATION CKT
SEE NOTE 108



* INDICATES LEADS THAT MUST BE CHANGED.

CIRCUIT REQUIREMENTS

CONTROL STATION CIRCUIT

APPARATUS				MECH REQ			CIRCUIT PREPARATION				DIRECT CURRENT FLOW REQ						REMARKS
DESIG	CODE	OPTION	FIG.	BSP FIG.	CONT PRESS	ARM TRVL	BLOCK OR INSULATE	TEST CLIP DATA		TEST SET PREP	SEE TEST NOTE	TEST WDG	TEST FOR	AFTER SOAK	TEST	READJ	
								CONN BAT.	CONN GRD					MA.	MA.	MA.	
RELAYS																	
ON	1/2AK4		I	202				2L(ON)	1L(ON)	B/G	1,2		0		11.9	11.3	MOUNTED WITH (ONI)
ONI	1/2AK4		I	202				2U(ONI)	1U(ONI)	B/G	1,2		0		11.9	11.3	MOUNTED WITH (ON)
R	J23		I	5		23		1M(R)	4M(R)	B/G	1,2,4	3	S	0	AC	AC	
													S	NO	7.2	7.6	
TR	1/2AK4		I	202					1L(TR)	G	1,2,5		0		11.9	11.3	MOUNTED WITH (TRI)
TRI	1/2AK4		I	202					1U(TRI)	G	1,2,6		0		11.9	11.3	MOUNTED WITH (TR)

1. NO. 2A ANSWERING SET MUST BE TURNED ON TO PROVIDE 48 VOLTS FOR RELAY OPERATION.
2. BATTERY AND GROUND FOR THE TEST SET MAY BE OBTAINED FROM THE B AND G LEADS FROM FIG. 4 WITH THE NO. 2A ANSWERING SET TURNED ON.
3. TEST AND READJUST BY DIALING 9 ON EITHER THE REGULAR OR ALTERNATE LINE AND OBTAINING A TEST RING ON THE MONITOR LINE.
4. REMOVE UNSOLDERED CONNECTIONS FROM TERMINALS 5 AND 6 OF THE 231A KEY TELEPHONE UNIT.
5. THE 2ND PICKUP KEY ON THE KEY TELEPHONE SET, FIG. 2, MUST BE RELEASED.
6. THE 4TH PICKUP KEY ON THE KEY TELEPHONE SET, FIG. 2, MUST BE RELEASED.

STATION SYSTEMS CONTROL STATION CIRCUIT		SD-69364-01-DI
BELL TELEPHONE LABORATORIES INCORPORATED		

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DRAWING ISSUE
1
2D
3A

(PAGES) PAGE