

CIRCUIT REQUIREMENTS

750 R & X TRUNK CIRCUIT (TRK)

APPARATUS DESIG. CODE	MECH. REQ.			CIRCUIT PREPARATION				TEST SET PREP	SEE TEST NOTE NO.	DIRECT CURRENT FLOW REQ.			REMARKS	
	BSP FIG.	CONT. PRESS.	ARM TRVL.	SEC. SP. POS.	BLOCK	TEST CLIP DATA (CONN. BAT. CONN. GRD.)	TEST W/DG. FOR			TEST W/DG. FOR	AFTER SOAK AMP.	TEST READ. AMP.		TEST READ. AMP.
MAGNETS														
FIG. A2														
									2					
4-C BUZZER														
RELAYS														
FIG. 1														
C	R1663	21/8	H	D25		RT(C) GRD.				0		D70 D86	CONNECT DIRECT BAT. TO RB(C).	
T	R860	11/4	L	D25		RT(T) GRD. RT(T) GRD.				0 R		D233 D24 D043 D048		
FIG. 2														
H	S32					RB1(H) RB1(H)		BAT. BAT.		0 NO		D40 D57 D483 D51		
FIG. 3														
H1	R1665	47/1	H	D25		RT(H) GRD.				0		D133 D128	INSULATE JT(H4).	
H2	B74	1		D20		3T(H) 2T(H) B/G 3T(H) 2T(H) B/G 2B(H4) 2T(H) B/G		B/G B/G B/G		5 5 1	0 R P/S	D09 D085 D023 D025 D047	OPEN "T" & "R" TOWARD CENTRAL OFFICE.	

TEST NOTES:

- INSULATE JT(LQ).
- TEST AND READJUST THE 4-C BUZZER TO OPERATE SATISFACTORILY ON RINGING CURRENT, IN ACCORDANCE WITH THE BSP.

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APPARATUS		MECH. RES.		CIRCUIT PREPARATION				TEST SET				EXPECTED CURRENT FLOW				REMARKS	CIT. ASK. NO.
DESIGN.	CODE	BSP FIG.	CONTR. PRESS.	AMP. RATE	BLOCK	TEST CLIP DATA		TEST SET NO.	TEST WDG.	TEST FOR	AFTER 30 SEC. AMP.	TEST READ.					
						TEST CLIP	TEST CLIP					AMP.	AMP.				
B3	B332	2		020		2B(N)O	3B(N)O	RG 4	P	O		000	0036	OPEN RING TOWARD CENTRAL OFFICE.	7		
						2B(N)O	3B(N)O	RG 4	P	N		0011	0014		8		
H4	H168	1423	H	033	H2(N)O			RT(H)O	GRD		O	038	036		9		
LO	14010	1510	L	020				RT(LO)	GRD	J	O	.120	.115		10		
H	J44	3		020		1M(O)	2M(O)	BIG 2		O		.007			11		
						1M(O)	2M(O)	BIG 2		NO		.008			12		
						2M(O)				O		A.C.					
FIG. B																	
H4	H168	2311	H	020				RT(R)O	GRD	1	O	075	0243	INSULATE 3B(LO)			
								RT(O)O	GRD		NO	025	0265				
H7	H168	2303	H	020				RT(R)O	GRD	1	O	020	025	INSULATE 3B(LO)			
								RT(O)O	GRD		NO	024	0233				
FIG. C																	
H4	H168	111	H	015				RT(R)O	GRD		O	010	0082	INSULATE 3B(LO)			
H1	H168	2472	L	015				RT(O)O	GRD		O	0365	0375				
								RT(R)O	GRD		NO	0195	021				
FIG. A																	
H	H168	1	L	015				RT(R)O	GRD		P	0146	012				
								LB(R)O	GRD		S	018	012				
FIG. 3																	
H	H168	1	H	015				RT(O)O	GRD		O	018	007				

TEST NOTES:

1. INDICATES THAT THERE IS MORE THAN ONE RELAY WITH THE SAME DESIGNATION.
2. READJUST MECHANICALLY IN ACCORDANCE WITH BSP FOR "J" TYPE RELAYS. CHECK ELECTRICALLY ON RINGING CURRENT FROM CENTRAL OFFICE.
3. CONTACTS 1B & 2B SHALL MAKE BEFORE 3B & 4B BREAK.
4. INSULATE 3B(N).

CIRCUIT NOTES:

101. PROVIDE ONE 1½ AMP FUSE PER TRUNK EXCEPT FOR THE (T) RELAY. THE BATTERY FOR THE (T) RELAY SHALL BE TAKEN FROM THE ASSOCIATED LINE CIRCUIT.

102. PROVIDE LAMPS ONLY WHEN REQUIRED. NOT MORE THAN LAMPS SHALL BE CONNECTED IN MULTIPLE.

103. WHEN NON-LOCKOUT SERVICE FROM TRUNKS IS REQUIRED ON A TRUNK PROVIDE "Z" WIRING. WHEN LOCKOUT SERVICE ON TRUNKS IS REQUIRED PROVIDE "W" WIRING. "Z" WIRING SHALL NOT BE PROVIDED ON MORE THAN 5 STATIONS ON ANY ONE TRUNK.

104. PROVIDE ONE S34-D SUB SET, FIG. 3, PER TRUNK ONLY WHEN SPECIFIED.

105. PROVIDE "Y" WIRING TO THE (T) RELAY ONLY WHEN THE STATION ASSOCIATED WITH THAT RELAY IS TO BE RESTRICTED FROM MAKING OUTWARD CENTRAL OFFICE CALLS OTHERWISE PROVIDE "X" WIRING.

106. LEADS DESIGNATED "C" SHALL BE RUN IN A SEPARATE CABLE.

107. THE USE OF THE S34-D SUB SET (A) IS "MFR DISC" ON ISSUE 5-D.

108. THE MANUFACTURE OF RELAY R1664 FOR USE IN THIS CIRCUIT HAS BEEN DISCONTINUED. RELAY R1664 IS SUPERSEDED BY REL. R1662 ON ISSUE 5-D OF THIS CIRCUIT. PRIOR TO ISSUE 5-D RELAY R1662, LEADS M AND B AND N AND R AND FIG. 4 WERE NOT SHOWN.

109. BATTERY DESIGNATED "A" AND "B" FIG. 4 SHALL BE TAKEN FROM TRUNKS NO. 1 AND NO. 2 RESPECTIVELY. BATTERY FOR FIG. 5 SHALL BE TAKEN FROM TRUNK NO. 3.

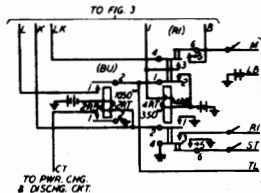
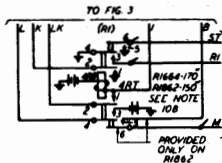
110. PRIOR TO ISSUE 7-D FIGS. 4, 5 AND A-2 WERE NOT SHOWN.

111. NOT MORE THAN 8 BUZZERS SHALL BE FURNISHED PER P.B.X. INCLUDING THOSE ON THE TRUNKS AND TONE, RINGING, ALARM AND COMMON TIMING CIRCUIT.

112. WHEN RINGERS OR RINGERS AND BUZZERS ARE DESIRED 3 RINGERS SHALL BE CONSIDERED THE EQUIVALENT OF ONE BUZZER.

113. THE MANUFACTURE OF THE S84-DD SUB SET FOR USE IN THIS CRT HAS BEEN DISCONTINUED. IT IS SUPERSEDED BY THE S84-DF SUB SET ON ISSUE 8-D OF THIS CRT. PRIOR TO ISSUE 8-D THE S84-DE SUB SET WAS NOT SHOWN.

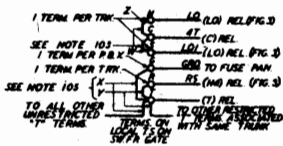
114. WHEN TRUNK LAMPS ARE TO FLASH ON INCOMING CALLS PROVIDE FIG. C AND OMIT FIGS. 4 AND 5, OTHERWISE PROVIDE FIGS. B, 4 AND 5. PRIOR TO ISSUE 120 FIG. B WAS PART OF FIG. 3 AND FIG. C WAS NOT SHOWN.



WORKING LIMITS

STATION	
MAX RES PER CONDUCTOR	10"
MIN INSULATION RES	
MANUAL AND PANEL AREAS	20,000"
STEP BY STEP AREAS	30,000"
TRUNK	
MAX CONDUCTOR LOOP RES	750"
MIN INSULATION RES	
MANUAL AND PANEL AREAS	20,000"
STEP BY STEP AREAS	30,000"
MAX RES OF CONDUCTOR BETWEEN (R) REL AND EACH (TRUNK) LAMP	5"
MAX RES OF CONDUCTOR FROM EACH APPEARANCE OF (TRUNK) LAMPS TO GRD.	2.5"

FIGS. 1-K & 2-K (MFR. DISC.)
SEE NOTE 201



FIGS. 1-L & 2-L

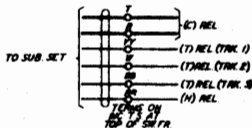
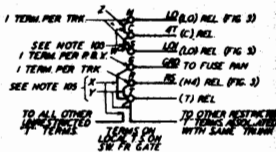


FIG. 3-K (MFR. DISC.)
SEE NOTE 201

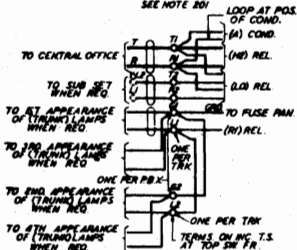
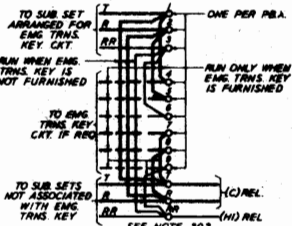
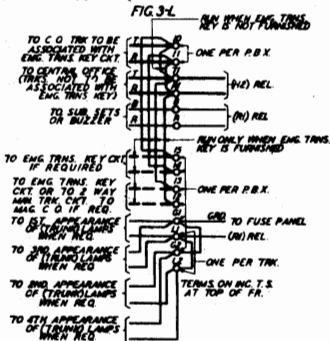


FIG. 3-L



EQUIPMENT NOTES:

201. THE MANUFACTURE OF FIGS. 1-K, 2-K AND 3-K FOR USE IN THIS CIRCUIT HAS BEEN DISCONTINUED. THEY HAVE BEEN SUPERSEDED BY FIGS. 1-L, 2-L AND 3-L RESPECTIVELY. ON ISSUE 5-D - PRIOR TO ISSUE 5-D FIGS. 1-L, 2-L AND 3-L WERE NOT SHOWN.

202. PRIOR TO ISSUE 8-D STRAPS IN FIGS. 1-L AND 2-L BETWEEN PUNCHINGS 1 AND T, 2 AND R, AND 3 AND RR WERE SHOWN ON THE LOCAL CABLE SIDE.

	42-D	DWG. 1331/M
	11-D	C.B. ISSUE