

CIRCUIT NOTES:

101. (A) PROVIDE ONE 2 AMP FUSE FOR EACH FIGS. 3 AND 5.
(B) PROVIDE ONE 2 AMP FUSE FOR FIG. A OR B
102. PROVIDE ONE 8B OR 12B LAMP FOR 7 BUZZERS.
103. PROVIDE ONE FIG. A OR FIG. B ONLY WHEN BUZZER COMMON TO ALL LINES IN A GROUP IS SPECIFIED AND CONTINUOUS RINGING SUPPLY IS NOT AVAILABLE.
104. PROVIDE "X" WIRING AND APPARATUS WHEN (BUZZER) KEY IS SPECIFIED. OTHERWISE PROVIDE "Y" WIRING.
- (MFR. DISC.) 105. LEADS DESIGNATED "C" SHALL BE RUN IN SEPARATE CABLE.
106. NOT MORE THAN 12 LAMPS SHALL BE CONNECTED TO THE "L" LEAD OR THE "B" LEAD. PRIOR TO ISSUE 6-D THE LAMPS WERE LIMITED TO 6.
107. TERMINATE "HI" LEAD AT POSITION OF KEY.
108. THE MANUFACTURE OF THE 6002B KEY FOR USE IN THIS CKT. HAS BEEN DISCONTINUED. THE 6002B KEY IS SUPERSEDED BY THE 6017B KEY ON ISSUE 5-D OF THIS CKT. PRIOR TO ISSUE 5-D THE 6017B KEY WAS NOT SHOWN.
109. "W" WIRING IS RATED "MFR. DISC." ON ISSUE 7-D.
110. PROVIDE ONE FIG. 6 PER INSTALLATION WHEN INDIVIDUAL BUZZERS ARE REQUIRED WITH FIG. 5.
111. CONNECT THE "A" OR "B" LEAD FIG. 5 TO THE "A" LEAD FIG. 4 WHEN INDIVIDUAL BUZZER IS USED; OTHERWISE CONNECT THE "A" OR "B" LEAD FIG. 5 TO THE "B" LEAD FIG. A OR B AS SPEC.
112. PRIOR TO ISSUE 10-D, FIG. 3 WAS DESIGNATED "PRIVATE LINE" AND THE CONNECTING INFORMATION AT THE "T" AND "R" LEADS WAS "TO PRIVATE LINE".
113. (A) SEPARATE LEADS SHALL BE PROVIDED BETWEEN THE RELAY EQUIPMENT UNIT AND THE KEY BOX FOR THE "A" AND "B" GROUNDS.
(B) WHEN FIG. 6 IS PROVIDED ON EXISTING INSTALLATIONS THE EQUIPMENT MUST BE MODIFIED TO PROVIDE THE SEPARATE LEADS FOR THE "A" AND "B" GROUNDS.
(C) PRIOR TO ISSUE 10-D, THE "A" AND "B" GROUNDS WERE NOT DESIGNATED.

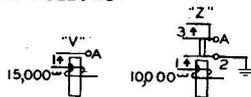
114. RECORD OF FIGURES, WIRING AND APPARATUS CHANGES

CHANGED ON ISS.	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN.	SEE NOTE	USE IN CIRCUIT			
				STD.	A & M	M. D.	
12-D	FIGS. 7, 8, 9, 10, OR 11	FIG. A, B, OR 4		7, 8, 9, 10, 11		A, B, 4	
12-D						C	
12-D	12B LAMP	8B LAMP		12B		8B	
15-D	Z OR V	V		Z		V	
15-D						FIG. 3	

14-26V.

WORKING LIMITS
MAX. EXT. CKT. LOOP
FOR FIG. 3, OUTGOING CALLS 1620w
FOR FIG. 3, INCOMING CALLS 1785w
FOR FIG. 5, MAX. CONDUCTOR LOOP 2000w
FOR FIGS. 3 & 5, MIN. INS. RES. 20,000w

115. WHEN THE 4C BUZZER IS USED THE STRAP WIRE BETWEEN THE FRAME AND THE WDG. TERMINAL OF THE BUZZER COIL SHALL BE DISCONNECTED. PRIOR TO ISSUE 13-D THIS NOTE WAS NOT SHOWN.
116. THE DIFFERENCE BETWEEN THE (H) RELAYS, FIG. 3 IS AS FOLLOWS:



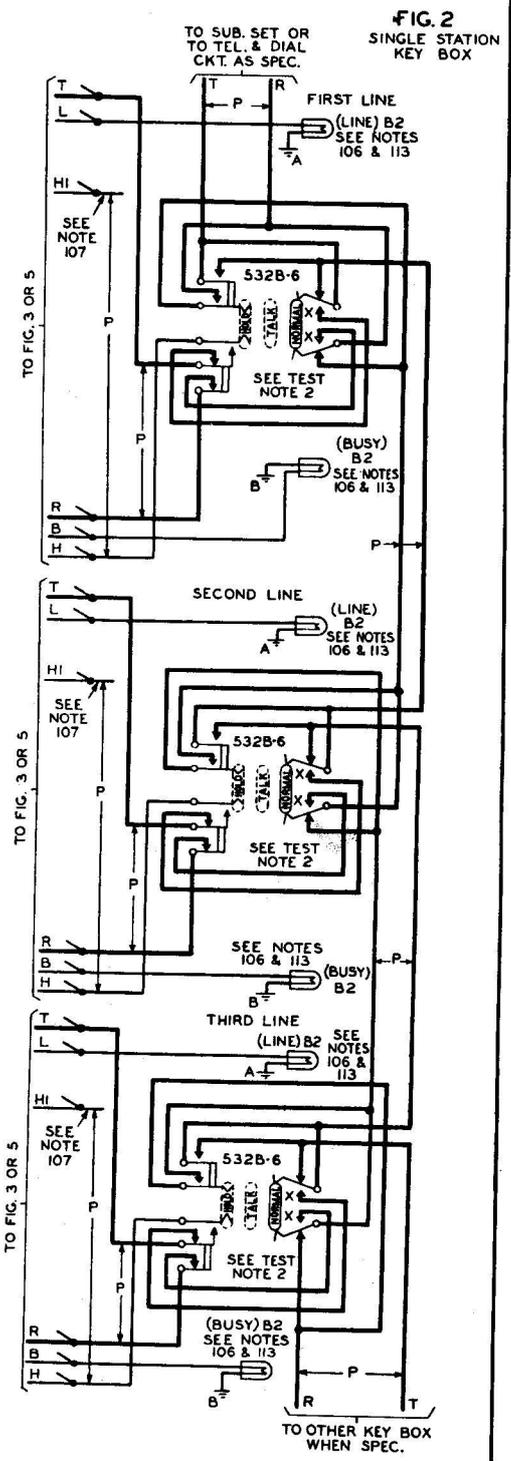
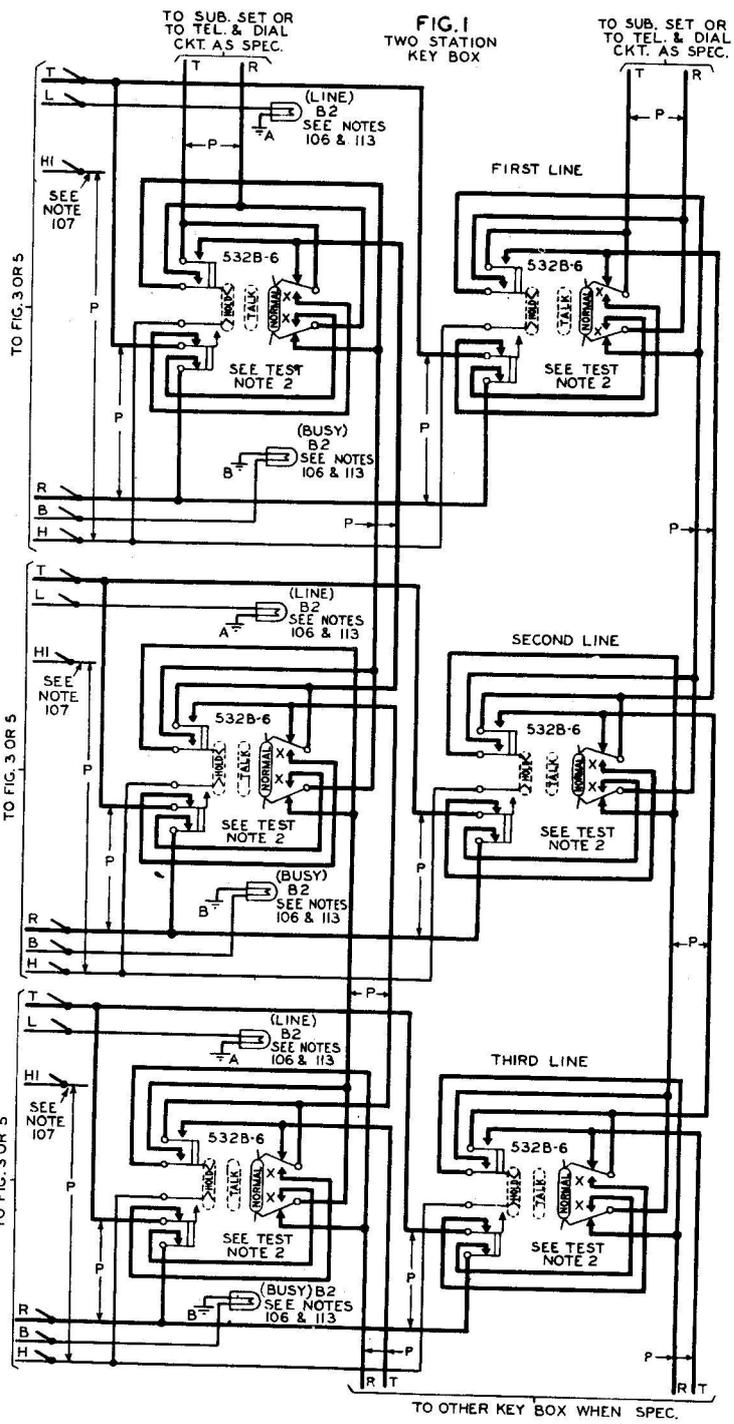


FIG. 3
(MFR. DISC.)
TIE LINE CIRCUIT TO PB.X.

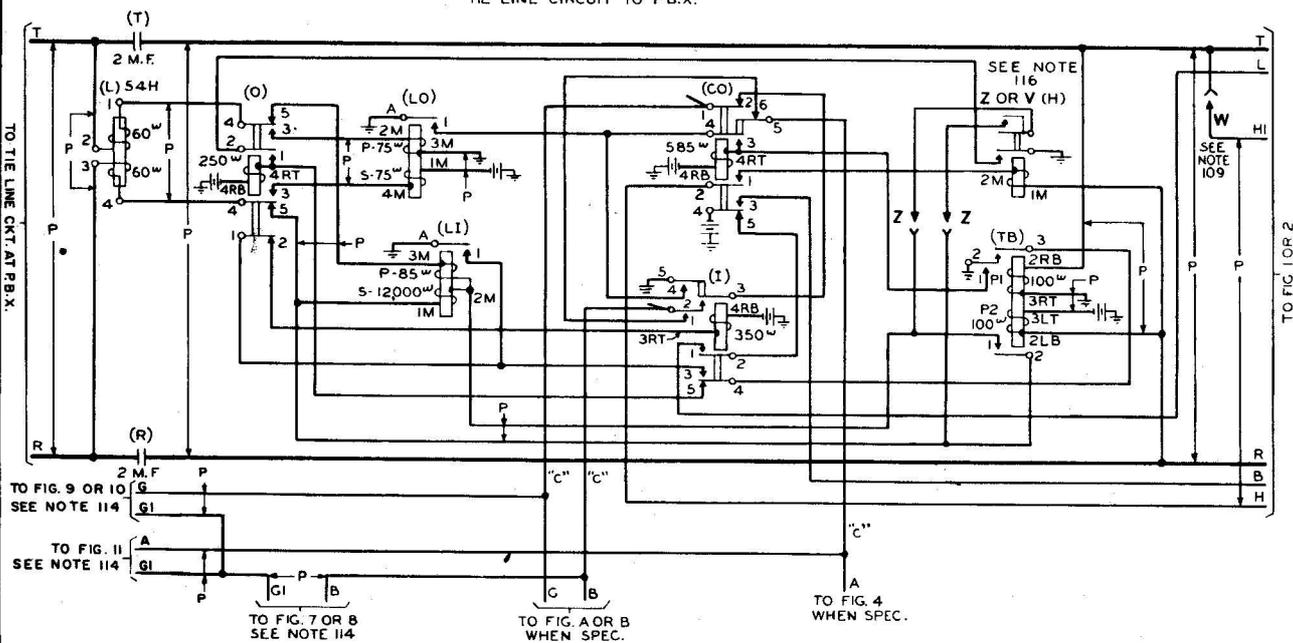


FIG. A
D-C BUZZER
COMMON TO ALL
LINES IN A GROUP
SEE NOTE 103

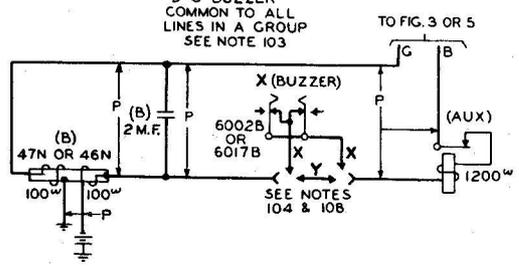


FIG. B
A-C BUZZER
COMMON TO ALL
LINES IN A GROUP

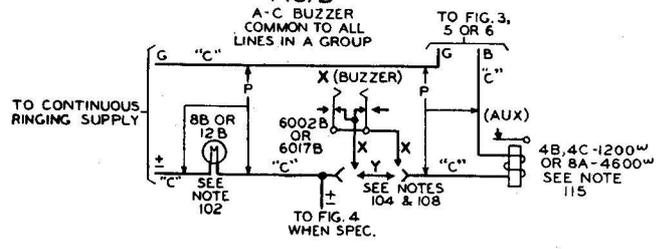
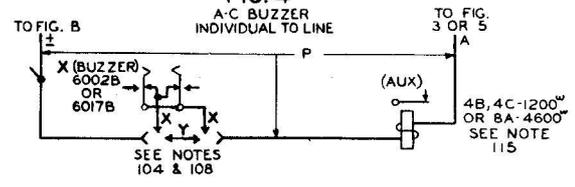
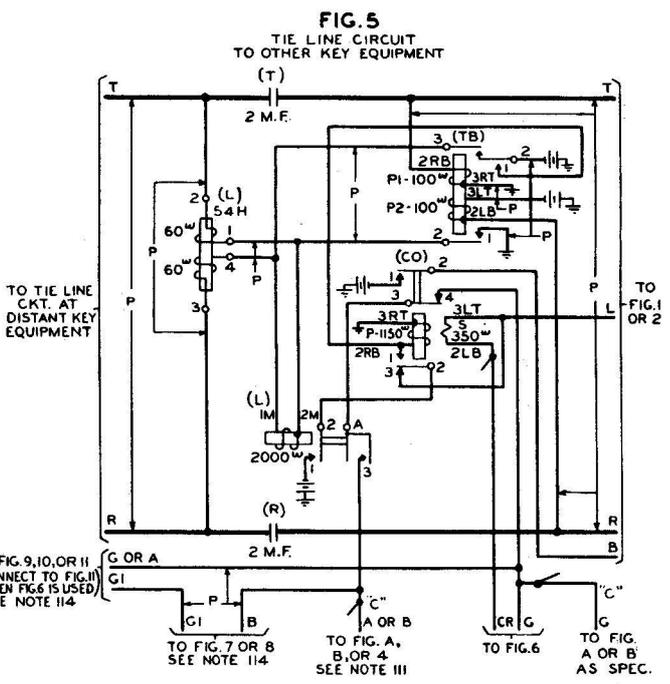
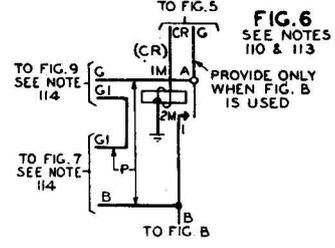
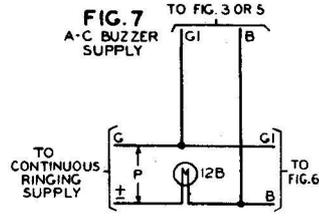
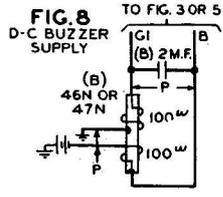
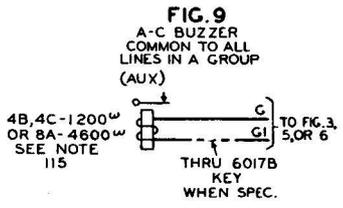
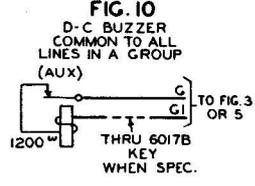
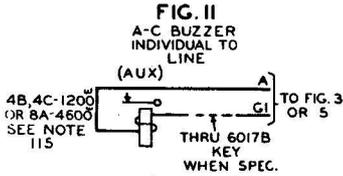


FIG. 4
A-C BUZZER
INDIVIDUAL TO LINE





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	AFTR SOAK	TEST	READJ		
								CONN BAT.	CONN GRD					MA.	MA.	MA.		
MAGNETS																		
AUX	4B, 4C, OR 8A BUZ		4, B, 9, 11															
AUX	4C BUZ		A, 10															
RELAYS																		
CO	R1703		3	35/8	L	.025			RT(CO)	GRD			0	.019	.018			
CO	R2058		5	10/3	L	.020			RB(CO)	BAT.			0	.0095	.009			
CR	B297		6	1		.030			1M(CR) 1M(CR)	BAT. BAT.	I I		0 R	.150 .150	.0235 .0019	.022 .002		
H	B348		3	6		.030			1B(CO) 1B(CO)	GRD GRD			0 R	.0008 .0001	.0007 .0002	V APPARATUS V APPARATUS		
H	B551		3	7		.035			1B(CO) 1B(CO)	GRD GRD			0 R	.0012 .0001	.0011 .0002	Z APPARATUS Z APPARATUS		
I	R1704		3	22/8	L	.030	(CO)O		RT(I)	GRD			0	.0265	.025			
L	B611		5	7		.035			3T(TB) 3T(TB)	2B(TB) 2B(TB)	B/G B/G		0 R	.0067 .0067	.0025 .0002	.0019 .0006	OPEN T & R LEADS TOWARD DISTANT END	
LI	B1068		3	6		.030	5T(O), 5B(O), (I)NO	5B(O) 5B(O) 1B(TB)	5T(O) 5T(O) 5T(O)	B/G B/G B/G	P/S P/S P	0 R 0	.0008 .0001 .0062	.0007 .0002				
LO	B1067		3	6		.050			3T(O) 3T(O)	3B(O) 3B(O)	M M	P/S P/S	0 R	.050 .050	.0068 .0036	.0064 .0038		
O	E1859		3	8/7	L	.020			RT(O)	GRD			0	.033	.031			
TB	H118		3	4/1	L	.025	(O)NO (O)NO	2RB(TB) 2RB(TB)	2LB(TB) 2LB(TB)	M M	P1/P2 P1/P2	0 R	.035 .0054	.031 .0057				
TB	H118		5	4/1	L	.025		2RB(TB) 2RB(TB)	2LB(TB) 2LB(TB)	M M	P1/P2 P1/P2	0 R	.035 .0054	.031 .0057				
MISCELLANEOUS																		
	532B-6 KEY		1, 2															

TEST NOTES:

- REMOVE ALL LAMPS PER FIG. 1 OR 2 ASSOCIATED WITH FIG. 5 OR REMOVE WIRE FROM 1M(CR).
- THE X CONTACTS SHALL NOT BREAK WHEN THE KEY IS RESTORED UNRESTRAINED FROM THE HOLD POSITION TO THE TALK POSITION. PRIOR TO ISSUE 11D, THIS ADJUSTMENT WAS NOT SPECIFIED.
- THE 4B, 4C OR 8A BUZZER SHALL BE TESTED AND READJUSTED TO OPERATE SATISFACTORILY WHEN RELAY (I) IS BLOCKED OPERATED.

NO. 100 KEY EQUIPMENT
MULTIPLE LINE
TIE LINE AND AUXILIARY SIGNAL CIRCUIT

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FIG. K (A & M ONLY)
MULTIPLYING TERM. BOX

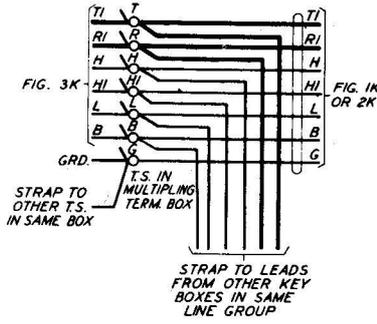


FIG. 1K OR 2K

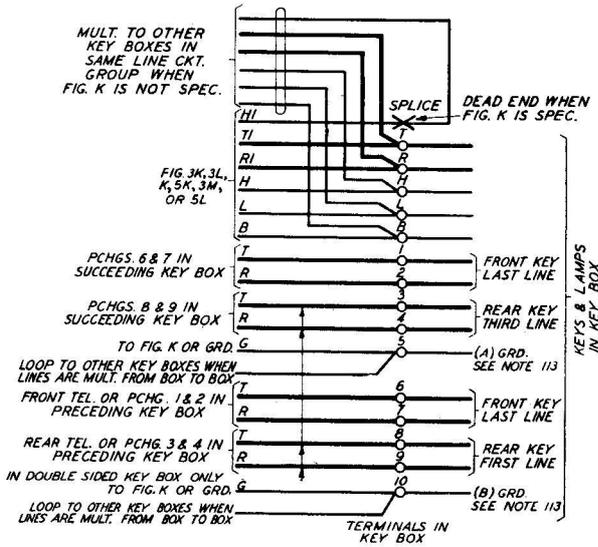
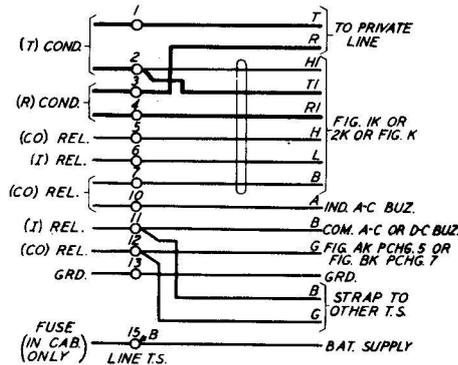


FIG. 3K (MFR. DISC.)



FIGS. 5K & 6K (MFR. DISC.)

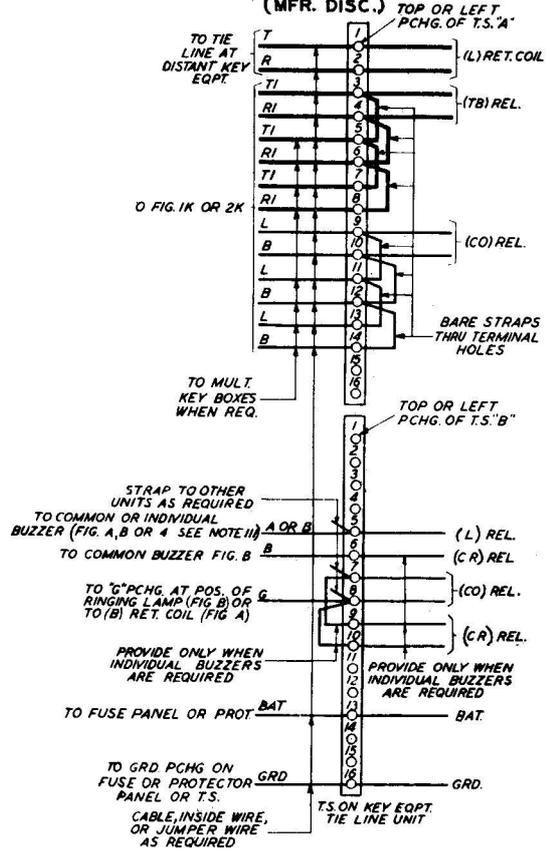


FIG. 4L (MFR. DISC.)

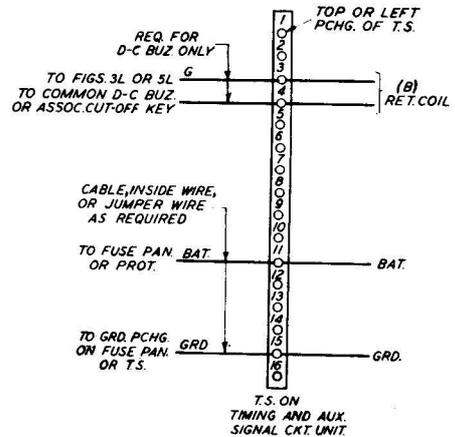


FIG. 3L (MFR. DISC.)

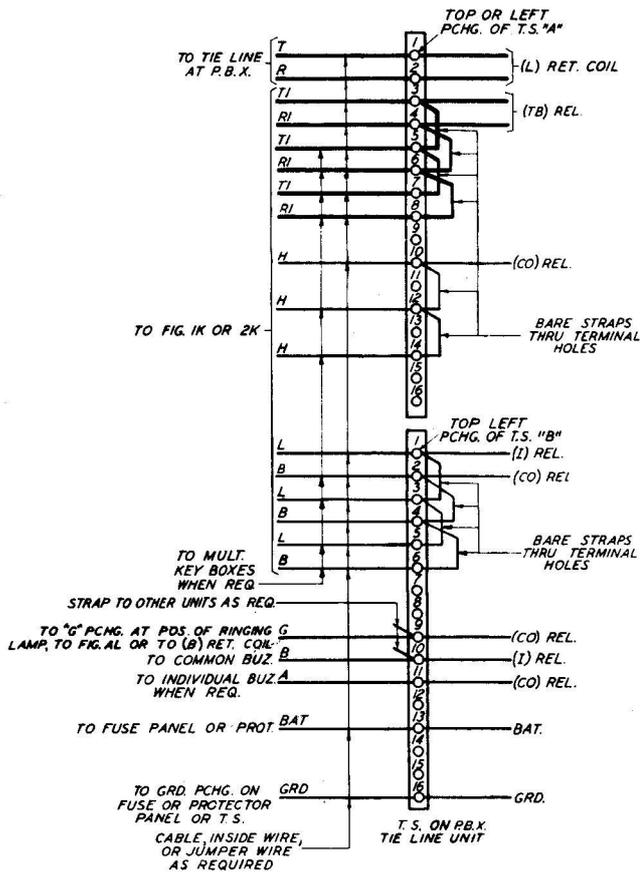
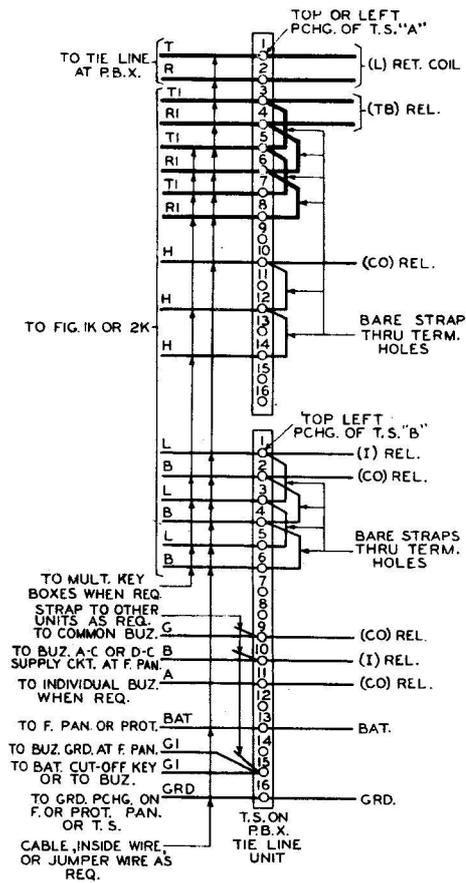


FIG. 3M (MFR. DISC.)



FIGS. 5L & 6L

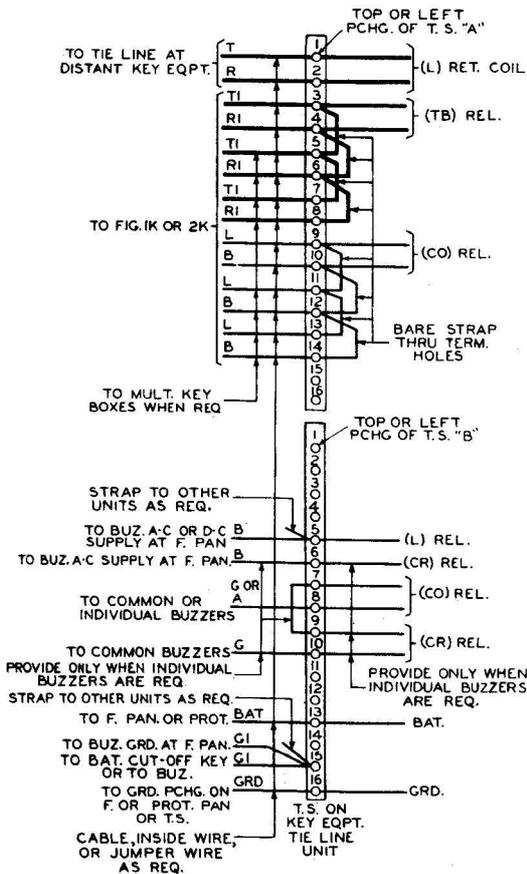


FIG. 4K (A & M ONLY)

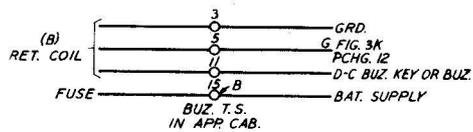
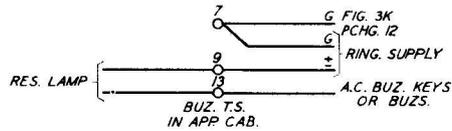


FIG. 4K (A & M ONLY)



NO. 100 KEY EQUIPMENT
MULTIPLE LINE
TIE LINE AND AUXILIARY SIGNAL CIRCUIT

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