

INSTALLING NOTES: (CONT'D)

- 89-IF ANY ASSOCIATED DEVICE (NOT COMMON TO THE OFFICE) REQUIRES A "START" LEAD, USE FIGURE 1A OR 16A TERMINAL LG OR FIGURE 4A TERMINAL LO.
- 90-IF FIGURE 14A IS USED, IN FIGURES 22A, 24A, 25A, 26A, 27A, 28A AND 29A REMOVE STRAP BETWEEN TERMINAL LG AND TERMINAL LG1.
- 91-IF OFFICE WITH AUTOMATIC LINE-INSULATION ROUTINER, AT CONNECTOR SHELF SERVING FIGURE 1A, DISCONNECT TEST CONNECTOR'S FIGURE 1A LEAD C BANK MULTIPLE, AND GROUND THE TEST CONNECTOR BANK'S LEAD C FOR EACH FIGURE 1A FIRE-REPORTING LINE.
- 92-IF A WARNING TONE IS REQUIRED IN FIGURE 17A, CONNECT TONE TO TERMINALS DT & RTN. IF A LOUDER TONE IS DESIRED AT THE FIREMAN'S STATION, THE INSTALLER SHALL ADD "W" STRAPS.
- 93-IF FIGURES 16A & 18A INSTALLER IS TO CUT "W" STRAPS IF THESE FIGURES ARE USED IN NO. 1EAX. ALSO IN FIGURE 16A, INSTALLER IS TO ADD "Z" STRAP IF THIS FIGURE IS USED IN NO. 1EAX. (FOR NO. 2 EAX "W" STRAPS ARE REQUIRED AND "Z" STRAP IS NOT USED.)
- 94-SAME AS NOTE 8 AND NOTE 60. THE CAPACITORS (IN NOTE 60) INVOLVED ARE C24, C22, C23 AND ARE DESIGNATED AS "U" WIRING AND APPARATUS WITH ISSUE 26.

INSTALLING NOTES:

- 76-AS SHIPPED FROM FACTORY, FIGURES 1A & 3A ARE FOR USE WITH CONNECTORS FOR 1200 OHM MAXIMUM LOOP. IF CONNECTORS ARE FOR 1000 OHM MAXIMUM LOOP, IN FIGURES 1A & 3A STRAP (SHORT-CIRCUIT) RESISTORS R2, R4, R9 & R11. IF THIS CIRCUIT IS USED IN A CXP5 OFFICE WHICH USES TERMINATING JUNCTIONS H-851040-A, B, C OR EQUIVALENT, THE INSTALLER SHALL CUT STRAPS "AE" AND "AD" STRAPS "AS". IF THIS CIRCUIT IS USED WITH CONNECTORS FOR 1700 OHMS TO 2000 OHMS MAXIMUM LOOPS, THE INSTALLER SHALL CUT STRAPS "AE" AND ADD STRAPS "AG".
- 77-IF NO SIREN IS USED, CONNECT FIGURE 4A, 8A (OR 9A), 17A WIRING "NS". IF SIREN IS USED, USE WIRING "S" PER NOTE 51.
- 78-FOR BATTERY-CONNECTED GENERATOR, IN FIGURES 8A & 12A ADD WIRING "B". FOR GROUND-CONNECTED GENERATOR, IN FIGURES 9A & 12A ADD WIRING "G".
- 79-FOR EACH SUBSCRIBER LINE WITH WHICH FIGURE 8A OR 9A IS USED, OMIT USING DIRECT CONNECTION OF CONNECTOR-SHELF CONTROL LEAD C TO LINE-INSIDER SHELF TERMINAL CN. CONNECTOR-SHELF CONTROL LEAD C MUST CONNECT ONLY TO FIGURE 8A OR 9A TERMINAL CN. CONNECT FIGURE 8A OR 9A TERMINAL CN TO LINE-INSIDER SHELF TERMINAL CN.
- 80-IF A FIRE CALL IS TO CUT OFF INSTANTLY ANY FIREMEN ALREADY CONVERSING, IN FIGURES 8A (OR 9A), 17A DO NOT STRAP TERMINAL BT TO TERMINAL HU, "W" WIRING.
- IF A FIRE CALL IS TO PLACE TONE ON LINES OF ANY CONVERSING FIREMEN, AND THEY ARE TO BE ALLOWED TO CONCLUDE THEIR CONVERSATIONS (AND HANG UP MOMENTARILY) BEFORE ENTERING FIRE-CALL CONFERENCE, STRAP FIGURE 8A (OR 9A), 17A TERMINAL BT TO TERMINAL HU. CONNECT TONE TO TERMINAL T. IF LOUDER TONE IS DESIRED, CONNECT PARALLELING CAPACITORS.

- 81-ADJUST FIGURE 10A RELAYS SA & SB TIMING FOR CYCLE OF 10 TO 13 SECONDS.

- 82-FACTORY'S COMPLETE STRAPPING OF ALL FIGURE 10A SWITCH SW BANK CONTACTS (EXCEPT LEVEL C CONTACT N) RUNS SIREN WHILE FIREMAN PRESSES HIS TELEPHONE'S PUSH BUTTON, ONLY.

IF THE FIREMAN'S TELEPHONE PUSH BUTTON IS ONLY TO START THE SIREN, AND THE SIREN IS TO SOUND FOR A FIXED TIME THEREAFTER, REMOVE 1 OR MORE SWITCH SW BANK-CONTACT STRAPS, STARTING AT LEVEL A CONTACT #1. FOR EACH BANK-CONTACT STRAP THUS REMOVED, THE SIREN WILL SOUND 10 TO 13 SECONDS, IF ALL STRAPS ARE REMOVED, SIREN WILL SOUND FOR ABOUT 5 TO 7 MINUTES. HOWEVER, FIREMAN WITH PUSH BUTTON CAN STOP SIREN BEFORE ITS NORMAL RUNNING TIME, BY PRESSING PUSH BUTTON A SECOND TIME (EXCEPT AS IN NOTE 88).

- 83-IF A CONFERENCE REPEATER (AMPLIFIER) H-85931 OR EQUIV. IS USED, CONNECT H-75607-A FIGURE 4A OR BOTH FIGURES 4A & 17A TO FIGURE 4A TO 17A LINE CIRCULITS. CONNECT ALL 3-A TO 5607-A FIG. 4A THRU ANOTHER FIGURE 4A TO ANOTHER H-85931 LINE CIRCULIT. (THAT IS, DO NOT MIX H-75607-A FIG. 4A, 3A, 4A, 8A NOR 9A INTO SAME H-85931 LINE CIRCULIT.)

CONFERENCE REPEATER H-85931 IS MANUFACTURED 2 WAYS: WITH 6 OR WITH 12 LINE CIRCULITS. ORDER 1 OR 2 LINE CIRCULITS: 1 FOR THE FIGURE 4A FOR FIGURES 1A & 3A AND, IF USED, ANOTHER FOR THE FIGURE 4A FOR FIGURES 9A. DIVIDE THE NUMBER OF H-85931 REMAINING LINE CIRCULITS INTO THE NUMBER OF H-75607-A WORKING FIGURES 4A OR 9A TO GET THE APPROXIMATE NUMBER OF H-75607-A FIGURES 4A OR 9A TO CONNECT TO EACH H-85931 REMAINING LINE CIRCULIT. HOWEVER, CONNECT NOT MORE THAN 3 LINE LINES TO ANY H-85931 LINE CIRCULIT. CONNECT NOT MORE THAN 5 SHORT-LOOP LINES TO ANY H-85931 LINE CIRCULIT.

- 84-FIGURE 4A IS SHIPPED WITH TERMINAL LO STRAPPED TO TERMINAL LG. THEN FIRE-STATION PERSONNEL CAN HANG UP TO GO TO FIRE, AND LET TAPE RECORDER OR ANY FIREMAN WHO HAS ANSWERED INSTRUCT FIREMEN WHO ANSWER LATER.

IF, HOWEVER, PUTTING FIGURE 4A TELEPHONE BACK ON HOOK IS TO COMPLETELY DISCONNECT THE FIRE CONFERENCE, REMOVE STRAP BETWEEN FIGURE 4A TERMINALS LO & LG.

- 85-GROUND FIGURE 8A OR 9A TERMINAL PU OF EVERY FIREMAN'S LINE EXCEPT THOSE RUNG WITH CODED RINGING.

- 86-AT FIGURE 8A OR 9A FOR ANY FIREMAN'S LINE RUNG WITH CODED RINGING, CONNECT PICK-UP LEAD TO TERMINAL PU, AND CONNECT APPROPRIATE RINGING-GENERATOR LEAD PER NOTE 78 TO TERMINAL TB OR GG.

- 87-IF CENTRAL OFFICE HAS SUPERIMPOSED RINGING, TO FIGURE 8A CONNECT "P" WIRING "NB". SEE NOTE 54.

- 88-IF THE FIREMAN'S TELEPHONE PUSHBUTTON SHOULD NOT BE ABLE TO STOP THE SIREN, AT FIGURE 10A TERMINAL BLOCK REMOVE STRAP BETWEEN TERMINALS SS & ST.

ENGINEERING NOTES:

- 51-IF SIREN IS USED, ORDER FIGURE 2A OR 18A, 3A OR 18A, A, AND 10A PER TABLE A. FOR FIREMEN WITH SIREN CONTROL PUSH BUTTONS, FIGURE 10A CAN FIELD 1 FIGURE 4A OR UP TO 3 FIGURES 8A (OR 9A) WIRING "S". IF MORE THAN 3 FIREMEN LINES ARE AUTHORIZED TO CONTROL SIREN, INSTRUCT INSTALLER TO CONNECT FIGURE 4A OR UP TO 3 FIGURES 1A, 8A (OR 9A) OR 17A TO FIGURE 10A, AND ORDER FIGURE 11A FOR EACH ADDITIONAL 3 LINES WITH SIREN-CONTROL PUSH BUTTON. SEE ALSO NOTE 78.

ATTENTION IS INVITED TO NATIONAL FIRE PROTECTION ASSOCIATION STANDARD NFPA 703 "MUNICIPAL FIRE ALARM SYSTEMS", WHOSE 1964 EDITION SAYS IN SECTION 1227: ".....GROUNDS WILL NOT BE NECESSARY TO SECURE ANY REQUIRED FUNCTION....." THUS A 4-CONNECTED METALLIC 3RD CONDUCTOR MAY BE REQUIRED TO HOMES OR OFFICES OF FIREMEN WHOSE TELEPHONES HAVE SIREN-CONTROL PUSH BUTTONS.

- 52-IF THERE ARE 15 OR FEWER FIREMEN'S STATIONS, AND THEY MAY BE RUNG UNINTERRUPTEDLY, OMIT FIGURES 12A & 13A.

- 53-IF THERE ARE MORE THAN 15 FIREMEN'S STATIONS, INSTRUCT INSTALLER TO DIVIDE THEM INTO 2 EQUAL ALTERNATELY-RUNG GROUPS, AND ORDER FIGURES 12A & 13A.

TO BE DISTINCTIVELY DIFFERENT FROM REGULAR RINGING, FIRE-CALL RINGING & SILENT PERIODS SHOULD BE EQUAL. THE CENTRAL OFFICE'S RINGING INTERRUPTER USUALLY HAS REVERTING-CALL-ALTERNATING PULSE TERMINALS "RC" OR OTHER TERMINAL WITH EQUAL "ON" AND "OFF" PERIODS OF ABOUT 1 TO 2 SECONDS. CONNECT SUCH A TERMINAL, IF AVAILABLE, TO FIGURE 12A TERMINAL RC. OTHERWISE, ORDER FIGURE 13A PER TABLE "A".

FOREGOING APPLIES ONLY TO FIREMEN ON INDIVIDUAL LINES OR SELECTIVELY RUNG PARTY LINES. FOR CODED RINGING, SEE NOTE 86.

- 54-WHERE THE CENTRAL OFFICE HAS SUPERIMPOSED RINGING, ORDER FIGURE 8A, AND INSTRUCT INSTALLER PER NOTE 87. EACH FIREMAN'S LINE SHOULD PREFERABLY BE AN INDIVIDUAL LINE WITH STRAIGHT-LINE BRIDGED-RINGING TELEPHONE WHICH HAS NOT A TUBE NOR A RELAY BUT A CAPACITOR FOR THE RINGER. EACH FIREMAN WHO NEVERTHESS IS ON A PARTY LINE MUST BE ON A LINE OF NOT MORE THAN 1000 OHMS RESISTANCE, AND MUST BE THE 1-1-RING PARTY. CONNECT NOT MORE THAN 1 ADDITIONAL 1-RINGER TO THE FIREMAN'S SIDE OF THE LINE (FOR EXAMPLE, EXTENSION IN FIREMAN'S PREMISES OR A 1-2-RING PARTY...BUT NOT BOTH).

- 55-FIGURE 14A, IF USED, LIMITS RINGING OF FIGURE 8A, (9A) OR 17A: FIGURE 14A NORMALLY RINGS FIREMEN NOT OVER 3-1/2 MINUTES. IF FIGURE 14A STRAP "L" IS WIRED, OR IF FIRE STATION'S KEY IS OPERATED, FIREMEN ARE RUNG FOR NOT OVER 1 MINUTE.

- 56-USE FIGURE 15A (IN LIEU OF NOTE 80 STRAP) IF OTHER MANUFACTURER'S EQUIPMENT (FOR EXAMPLE, KELLOGG COIN-TELEPHONE RESTRICTOR C-17728) REQUIRES FIGURE 8A OR 9A LEAD CN CURRENT DRAIN BE 1.0V.
- 57-IF USED WITH LEICH CDO EQUIPMENT OF ANY TYPE, PROVIDE 2 WATT RESISTORS (D-284451-A) R15, R17 IN FIGURES 1A, 3A. WITH LEICH TPL EQUIPMENT, ALSO PROVIDE RING TRIP ADAPTER FOR FIGURE 1A PER GENOA DRAWING CF-1520.

- 58-IF FIGURE 14A IS SPECIFIED, ORDER PRINTS H-850615-A FOR CUSTOMER'S FILES.

MANUFACTURING NOTES: (CONT'D)

- 5-FOR FIGURES 8A & 9A: PRIOR TO ISSUE 5, WIRINGS "D" AND "G" WERE PART OF CIRCUIT.

ISSUE	USE WIRINGS				DIODE CRT	NUMBER OF SPRINGS	
	D	E	F	G		RELAY RC	RELAY ST
1					NEVER MANUFACTURED		
2, 3, 4	X			X		14	8
5		X			X	14	8
6			X	X	X	10	11
6 LATER							

* NUMBERED AS IN PARENTHESES.

- 6-PRIOR TO ISSUE 8, FIGURE 4A RELAY "ANS" COIL HAD 1 WINDING, WITH WIRING "A". WIRING "B" SUPERSEDES WIRING "A".

- 7-ISSUES 1-12, FIGURE 1A RELAY C AND FIGURE 3A RELAY RM HAD ONLY 11 SPRINGS (SPRINGS 1-11). ISSUE 13 ADDED SPRINGS 12-13.

- 8-IN FIGURE 17A, FACTORY WILL ADD STRAP "M".

- 9-CAPACITORS ARE BALANCED WITHIN 5%.

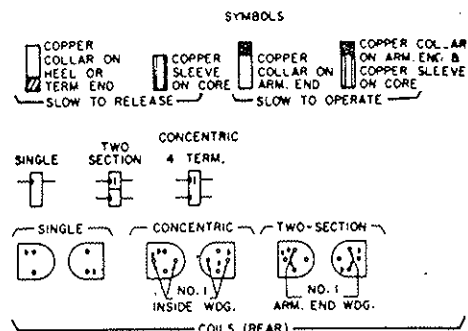
- 10-PRIOR TO ISSUE 20, "R" WIRING AND APPARATUS WAS NOT SHOWN AND "P" WIRING WAS PART OF THE CIRCUIT. RELAY RB HAD SPRING NUMBERS IN PARENTHESES (1, BEGINNING WITH ISSUE 20, "R" WIRING AND APPARATUS SUPERSEDES "P" WIRING AND RELAY RB USES SPRING NUMBERS NOT IN PARENTHESES (1).

- 11-PRIOR TO ISSUE 22, "V" WIRING IN FIGURE 17A WAS DESIGNATED AS "M", HENCEFORTH "V" WIRING BECOMES INSTALLER'S OPTION PER NOTE 92.

- 12-ALL DIODES ARE FD-1029-DG UNLESS OTHERWISE SPECIFIED

- 13-WITH ISSUE 28 THE USE OF A CONFERENCE AMPLIFIER IS ALWAYS RECOMMENDED WHEN FIGURES 16A AND/OR 18A IS/ARE USED.

- 14-"Z" WIRING WAS FACTORY WIRING ON ISSUES 26-28. WITH ISSUE 29, "Z" WIRING IS INSTALLER'S WIRING. SEE NOTE 93.



INDICATES INSIDE TERMINAL (START OF WINDING)
 TERMINAL ON UNIT TERMINAL BLOCK
 UNIT TERMINAL BLOCK TERMINAL (COMMON)
 TERMINAL ON TURRET OR ON STRIP

- 1-CAPACITANCES OF FIGURE 5A CAPACITORS C3 & C4 MATCH WITHIN 5%. CAPACITANCES OF FIGURE 8A OR 9A CAPACITORS C5 & C6 MATCH WITHIN 5%. CAPACITANCES OF FIGURE 1A CAPACITORS C3 & C4, FIGURE 3A CAPACITORS C5 & C6, AND FIGURE 4A CAPACITORS C11 & C12 MATCH WITHIN 5%.

- 2-WHEN RELAYS OPERATE, CONTACTS "X" MAKE FIRST.

- 3-FACTORY STRAPS FIGURE 4A TERMINALS LO & LG ON FIGURE 4A TERMINAL BLOCK, FIGURE 10A TERMINALS SS & ST ON FIGURE 10A TERMINAL BLOCK, AND FIGURE 13A TERMINAL LG AND FIGURE 12A TERMINAL LG1 ON FIGURES 12A-13A TERMINAL BLOCK. FACTORY STRAPS FIGURE 10A ROTARY SWITCH SW BANK CONTACTS AS SHOWN IN FIGURE 10A. FACTORY OMTS ALL OTHER OPTIONAL STRAPS. SEE ALSO "OPTION TABLE".

- 4-FIGURE 1A "A" WIRING WAS PART OF CIRCUIT, AND RELAY FMO HAD BREAK-MAKE FOR ISSUES 1-3. BEGINNING WITH ISSUE 4, FIGURE 1A RELAY FMO HAS MAKE-BEFORE-BREAK & "B" WIRING SUPERSEDES "A" WIRING.

STOCKLIST

DH-75607-727 (FIG. 98A)
DH-75607-728 (FIG. 99A)
DH-75607-729 (FIG. 17A)
DH-75607-724 (FIG. 97A)
DH-75607-723 (FIG. 8A)
DH-75607-722 (FIG. 96A)
DH-75607-721 (FIG. 14A)
DH-75607-720 (FIG. 17A)
DH-75607-719 (FIG. 29A)
DH-75607-718 (FIG. 6A)
DH-75607-717 (FIG. 15A)
DH-75607-716 (FIG. 10A)
DH-75607-715 (FIG. 26A)
DH-75607-714 (FIG. 28A)
DH-75607-713 (FIG. 22A)
DH-75607-712 (FIG. 9A)
DH-75607-711 (FIG. 3A & 4A)
DH-75607-710 (FIG. 25A)
DH-75607-709 (FIG. 24A)
DH-75607-708 (FIG. 23A)
DH-75607-707 (FIG. 21A)
DH-75607-706 (FIG. 11A)
DH-75607-705 (FIG. 8A)
DH-75607-704 (FIG. 5A)
DH-75607-703 (FIG. 10A)
DH-75607-702 (FIG. 28A)
DH-75607-701 (FIG. 27A)
DH-75607-700 (FIG. 26A)
DH-75607-A79 (FIG. 23A)
DH-75607-A78 (FIG. 24A)
DH-75607-A77 (FIG. 22A)
DH-75607-A76 (FIG. 21A)
DH-75607-A75 (FIG. 11A)
DH-75607-A74 (FIG. 8A)
DH-75607-A73 (FIG. 5A)
DH-75607-A72 (FIG. 23A)
RUNNING LIST RLDH-75607-A73 (FIG. 6A)
RUNNING LIST RLDH-75607-A72 (FIG. 5A)

CURRENT DRAIN DATA:

FIGS.	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A	13A	14A	15A	16A	17A	18A	19A
HOLDING CURRENT	0.22	0.04	0.04	0.23	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06

ISSUE CONTROLLED

ASSOCIATED DRAWINGS		
DRAWING NO.	ISS.	DESCRIPTION
AH-75607-A	22	ADJUSTMENT
E-75607-A	7	EXPLANATION

DESIGNED K.E. STEINHAUER
 APP'D. L.L. SMITH
 SCALE: DATE 5-14-63
 DO NOT SCALE DRAWING

FIRE-REPORTING AND FIREMEN'S CONFERENCE CIRCUIT

H-75607-A

AUTOMATIC ELECTRIC COMPANY

MORTHLAKE, ILL., U.S.A. GENOA, ILL., U.S.A. OMAHA, NEB., U.S.A.

OPTION TABLE

OPTION	ISSUES		WIRED BY		FIGURES	NOTES
	FIRST USED	LAST USED	FACTORY	INSTALLER		
A	1	7	*		1A	2
B	8		*		1A	4
C	14		*		8A, 9A	5
D	1	4	*		8A, 9A	5
E	5	5	*		8A, 9A	5
F	6	4	*		8A, 9A	5
G	6		*		8A, 9A	5
H	14		*		9A, 12A	78
I	17		*		1A, 3A	57
J					1A, 3A, 4A	
K	11		*		14A	55
L	19		*		17A	8, 80
M						
N						
O	1	19	*		4A	10
P			*		8A, 9A	51
Q						
R	20		*		4A	10
S	1		*		8A, 9A	51
T						
U	26	28	*		17A	94
V	27		*		17A	11, 92
W	28		*		16A, 18A	53
X		25	*		16A, 18A	
Y	26		*		16A, 18A	
Z	26		*		16A, 18A	14
NS	1		*		4A, 8A, 9A, 17A	77

OPTION TABLE

APPROX. OR WIRING	ISSUES		WAS PART OF	SUPERSEDED BY	WIRED BY	FIGURE OR SUFFIX	TABLE	NOTES
	FIRST USED	LAST USED			FACTORY	INSTALLER		
AA	1	26		*		16A, 18A		
AB	27	27		*		16A, 18A	13	
AC	1	26		AD		18A		
AD	27			*		18A		
AE	1			*		1A, 3A	76	
AF	29			*		1A, 3A		
AG	29			*		1A, 3A	76	
AH								
AI								
AJ								
AK								
AL								
AM								
AN								
AO								
AP								
AQ								
AR								
AS								
AT								
AU								
AV								
AW								
AX								
AY								
AZ								

ISS: 29
 30-H-75607-A (CL.B)
 31-H-75607-A (CL.B)
 32-H-75607-A (CL.B)
 33-H-75607-A (CL.B)
 34-H-75607-A (CL.B)
 35-H-75607-A (CL.B)
 36-H-75607-A (CL.B)
 37-H-75607-A (CL.B)
 38-H-75607-A (CL.B)
 39-H-75607-A (CL.B)
 40-H-75607-A (CL.B)
 41-H-75607-A (CL.B)
 42-H-75607-A (CL.B)
 43-H-75607-A (CL.B)
 44-H-75607-A (CL.B)
 45-H-75607-A (CL.B)
 46-H-75607-A (CL.B)
 47-H-75607-A (CL.B)
 48-H-75607-A (CL.B)
 49-H-75607-A (CL.B)
 50-H-75607-A (CL.B)
 51-H-75607-A (CL.B)
 52-H-75607-A (CL.B)
 53-H-75607-A (CL.B)
 54-H-75607-A (CL.B)
 55-H-75607-A (CL.B)
 56-H-75607-A (CL.B)
 57-H-75607-A (CL.B)
 58-H-75607-A (CL.B)
 59-H-75607-A (CL.B)
 60-H-75607-A (CL.B)
 61-H-75607-A (CL.B)
 62-H-75607-A (CL.B)
 63-H-75607-A (CL.B)
 64-H-75607-A (CL.B)
 65-H-75607-A (CL.B)
 66-H-75607-A (CL.B)
 67-H-75607-A (CL.B)
 68-H-75607-A (CL.B)
 69-H-75607-A (CL.B)
 70-H-75607-A (CL.B)
 71-H-75607-A (CL.B)
 72-H-75607-A (CL.B)
 73-H-75607-A (CL.B)
 74-H-75607-A (CL.B)
 75-H-75607-A (CL.B)
 76-H-75607-A (CL.B)
 77-H-75607-A (CL.B)
 78-H-75607-A (CL.B)
 79-H-75607-A (CL.B)
 80-H-75607-A (CL.B)
 81-H-75607-A (CL.B)
 82-H-75607-A (CL.B)
 83-H-75607-A (CL.B)
 84-H-75607-A (CL.B)
 85-H-75607-A (CL.B)
 86-H-75607-A (CL.B)
 87-H-75607-A (CL.B)
 88-H-75607-A (CL.B)
 89-H-75607-A (CL.B)
 90-H-75607-A (CL.B)
 91-H-75607-A (CL.B)
 92-H-75607-A (CL.B)
 93-H-75607-A (CL.B)
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TABLE A - ORDERING FIGURES

ODR. FIG.	FIRE REPORT CONN. TERM. (SXS)	REMOTE ANSWERING (NOTE 51) (SXS)	FIRE STA. TEL. LINE	CONF. AMPL. ISOL. CAPS.	CONF. BLKG. RES.	START EQPT.	FIREMAN'S LINE RLY (SXS)		SIREN TIMER (NOTE 51)	SIREN CONTR. (NOTE 51)	RINGING INTERRUPTER (NOTE 52 & 53)	TIME LIMITER	ADAPTER (NOTE 56)	MATRIX FIRE REPORT TRUNK (NO.1 & NO.2 EAX)	FIREMAN'S LINE CIRCUIT (NO.1 & NO.2 EAX)	REMOTE ANSWERING (NO.1 & NO.2 EAX)		G. T. E. P. 444-103-100AE FIRE PLAN	REMARKS TYPE OF EXCHANGE		
							BAT. GEN.	GRD. GEN.								18A	19A		SXS	NO. 8 NO.2 EAX	
5A	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A	13A	14A	15A	16A	17A	18A	19A		
5A					4 CKTS																
6A					20 CKTS			1 CKT.													
9A									1 CKT.												
10A										1 CKT.											
11A											7 OR 10 CKTS.										
14A												1 CKT.									
15A													5 CKTS.								
17A																	AR				*
21A					1 CKT.		1 CKT.													1, 2	* *
22A					1 CKT.		1 CKT.					1 CKT.	1 CKT.							4A	* *
23A	2 CKTS.						1 CKT.													3A	* *
24A	2 CKTS.						1 CKT.					1 CKT.	1 CKT.							3B	* *
25A	2 CKTS.	1 CKT.	3 CKTS.				1 CKT.					1 CKT.	1 CKT.							3C, 3D, 3E	* *
26A	2 CKTS.			1 CKT.			1 CKT.					1 CKT.	1 CKT.								* *
27A	2 CKTS.	1 CKT.	3 CKTS.	1 CKT.			1 CKT.					1 CKT.	1 CKT.								* *
28A	2 CKTS.	1 CKT.	3 CKTS.	1 CKT.			1 CKT.					1 CKT.	1 CKT.							4B	* *
29A	2 CKTS.	1 CKT.	3 CKTS.	1 CKT.			1 CKT.					1 CKT.	1 CKT.								* *
30A			1 CKT.	1 CKT.																	* *
99A							1 CKT.									2 CKTS.				3A	*
98A							1 CKT.					1 CKT.	1 CKT.			2 CKTS.				3B	*
97A							1 CKT.			1 CKT.		1 CKT.	1 CKT.			2 CKTS.		3 CKTS.	1 CKT.	3C, 3D, 3E	*
96A				1 CKT.			1 CKT.			1 CKT.		1 CKT.	1 CKT.			2 CKTS.		3 CKTS.	1 CKT.		*
95A				1 CKT.			1 CKT.			1 CKT.		1 CKT.	1 CKT.			2 CKTS.		3 CKTS.	1 CKT.		*
94A				1 CKT.			1 CKT.			1 CKT.		1 CKT.	1 CKT.			2 CKTS.		3 CKTS.	1 CKT.		*
93A				1 CKT.			1 CKT.			1 CKT.		1 CKT.	1 CKT.			2 CKTS.		3 CKTS.	1 CKT.		*

NAFM

TABLE B - APPROXIMATE OPERATING LIMITS FOR SIGNALING (NOT FOR TRANSMISSION)

FIREMAN'S TELEPHONE CONDUCTOR - LOOP MAX. RESISTANCE (OVER AND ABOVE TELEPHONE - INSTRUMENT RESISTANCE)		
FIREMAN WITHOUT SIREN CONTROL (FIGURE 8A, 9A OR 17A ALONE)		
1200 OHMS		
SIREN - CONTROL RETURN		
KIND	MAX. RESISTANCE	
EARTH CONNECTION AT FIREMAN'S PREMISES	200 OHMS	1200 OHMS
PER NOTE 51. PARALLELED PAIR OF SAME LENGTH AND GAGE AS TALKING PAIR	250 OHMS	1000 OHMS
PER NOTE 51. SINGLE CONDUCTOR OF SAME LENGTH AND GAGE AS TALKING PAIR.	375 OHMS	750 OHMS

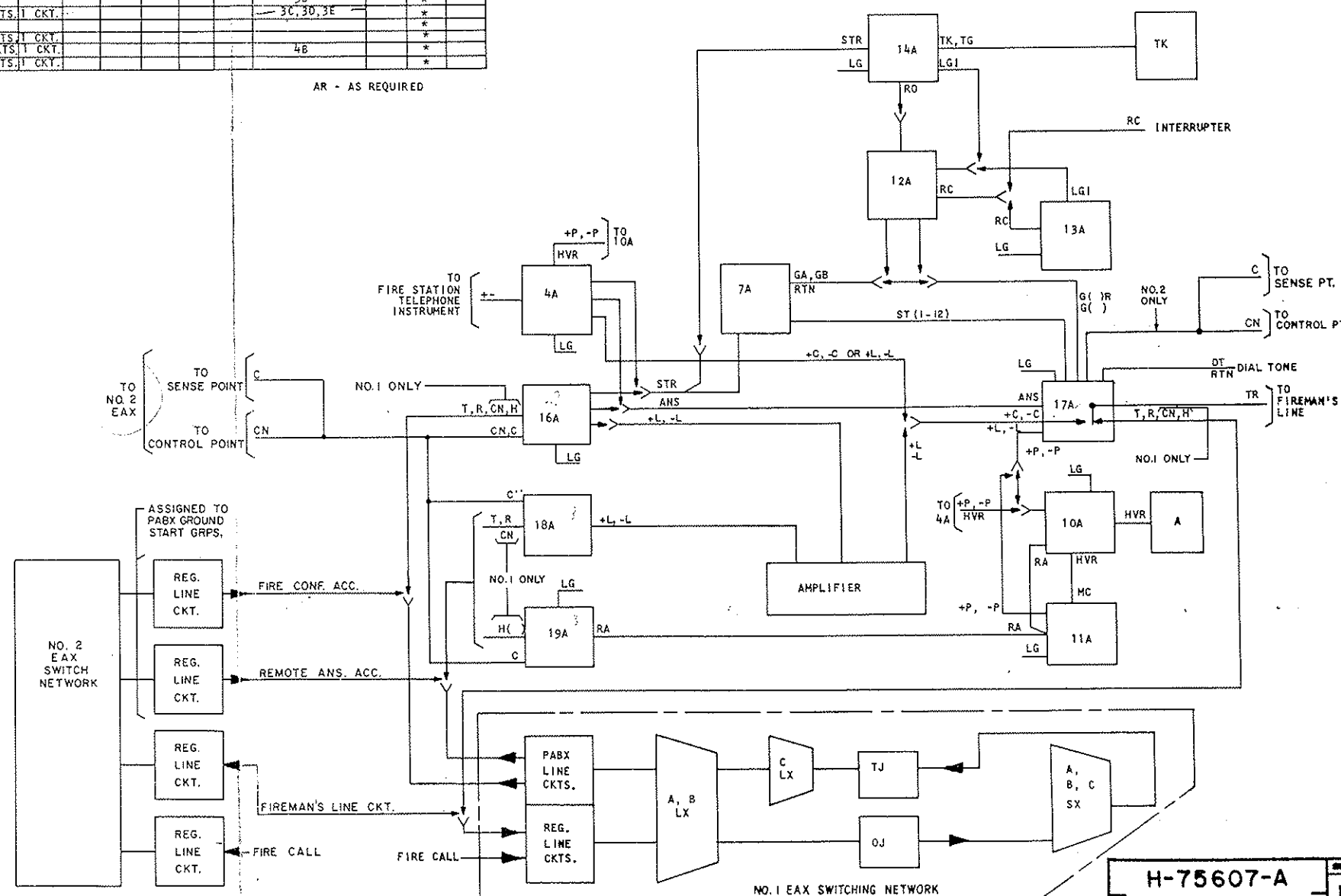
AR - AS REQUIRED

FIG. EAX

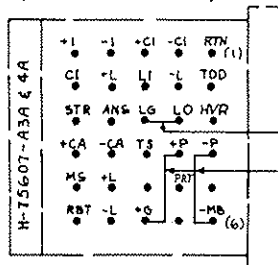
(FOR REFERENCE ONLY)

NO. 1 EAX AND NO. 2 EAX EXCEPT AS NOTED

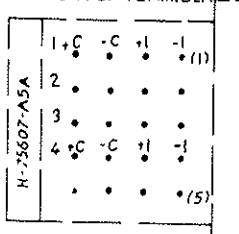
FIRE REPORTING AND CONFERENCE CKT.



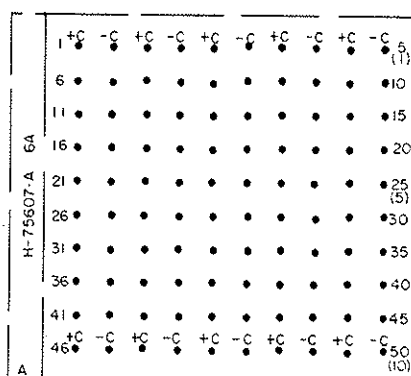
TERM. BLK. (5x6)
FOR FIGS. 3A & 4A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)



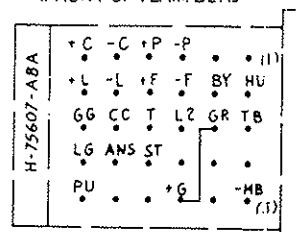
TERM. BLK. (4x5)
FOR 4 CKTS. OF FIG. 5A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)



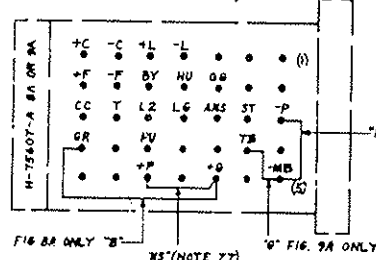
TERM. BLKS. A (10x10) & B (10x5)
FOR 70 CKTS. OF FIG. 6A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)



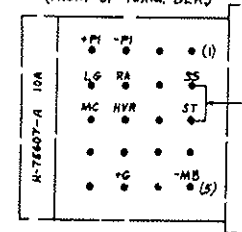
TERM. BLK. (6x5)
FOR FIG. 8A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)



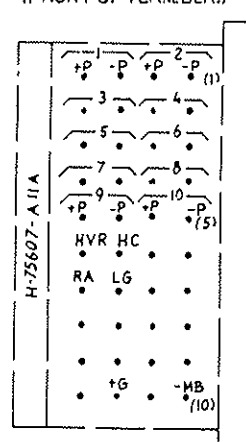
TERM. BLK. (7x5)
FOR FIG. 8A OR 9A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)



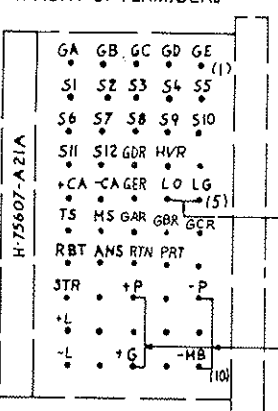
TERM. BLK. (4x5)
FOR FIG. 10A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)



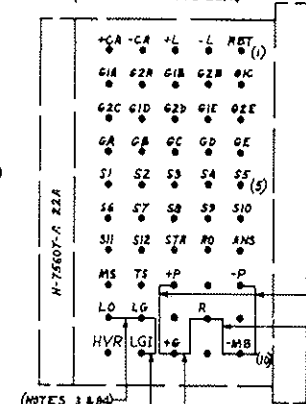
TERM. BLK. (4x10)
FOR 10 CKTS. OF FIG. 11A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)



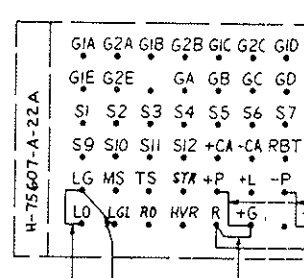
TERM. BLK. (5x10)
FOR FIG. 21A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)



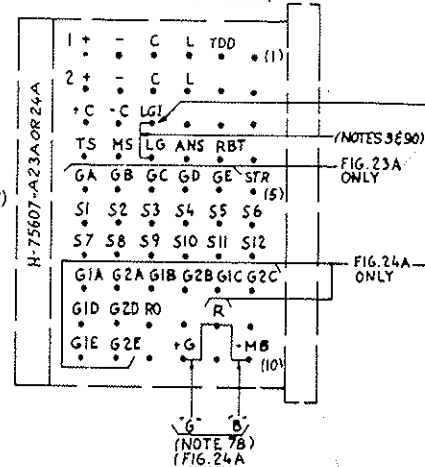
PRIOR TO ISSUE 19
TERM. BLK. (5x10)
FOR FIG. 22A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)



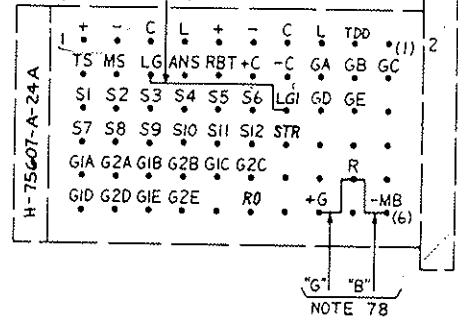
PRIOR TO ISSUE 19
TERM. BLK. (5x6) (FIG. 22A)
FOR 1 CKT. OF FIGS. 4A, 7A, 12A & 13A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)



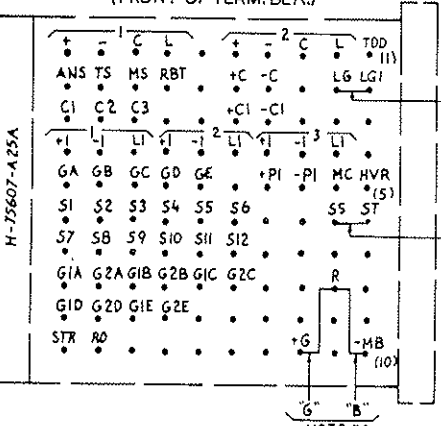
PRIOR TO ISSUE 17
TERM. BLK. (6x10)
FOR FIG. 23A OR 24A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)



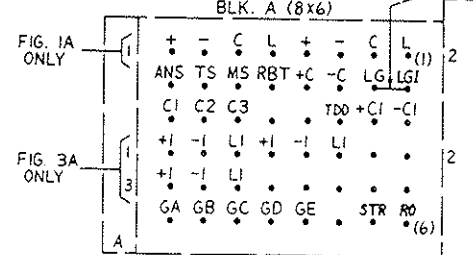
PRIOR TO ISSUE 17
TERM. BLK. (10x6) (FIG. 24A)
FOR 2 CKTS. OF FIG. 1A & 1 CKT. OF FIGS. 7A, 12A, 6, 13A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)
(NOTES 3 & 90)



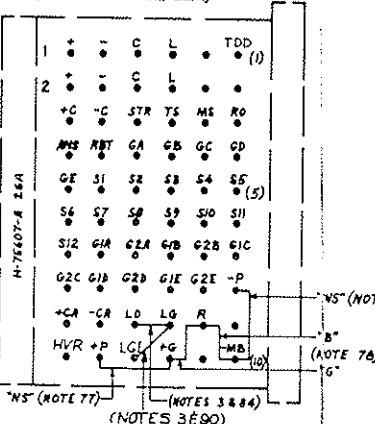
PRIOR TO ISSUE 17
TERM. BLK. (10x10)
FOR FIG. 25A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)



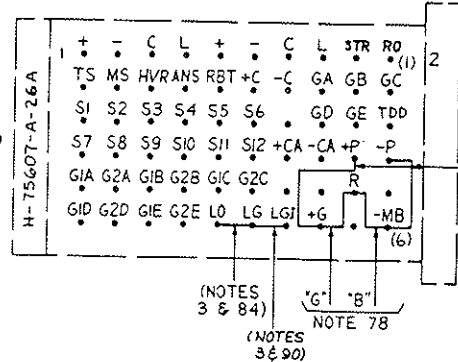
PRIOR TO ISSUE 17
TERM. BLKS. (A & B) (FIG. 25A)
FOR 2 CKTS. OF FIG. 1A, 3 CKTS. OF FIG. 3A
& 1 CKT. OF FIGS. 2A, 7A, 10A, 12A, & 13A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)
(NOTES 3 & 90)



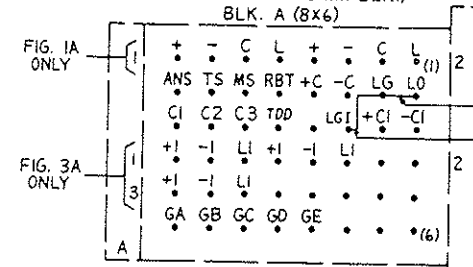
PRIOR TO ISSUE 17
TERM. BLK. (4x10)
FOR FIG. 26A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)



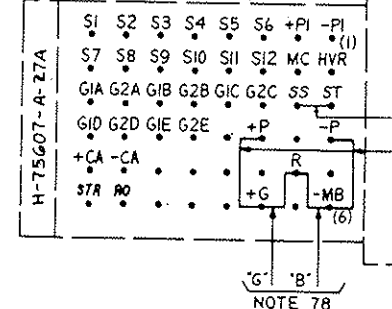
PRIOR TO ISSUE 17
TERM. BLK. (10x6) (FIG. 26A)
FOR 2 CKTS. OF FIG. 1A & 1 CKT. OF FIGS. 4A, 7A, 12A & 13A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)



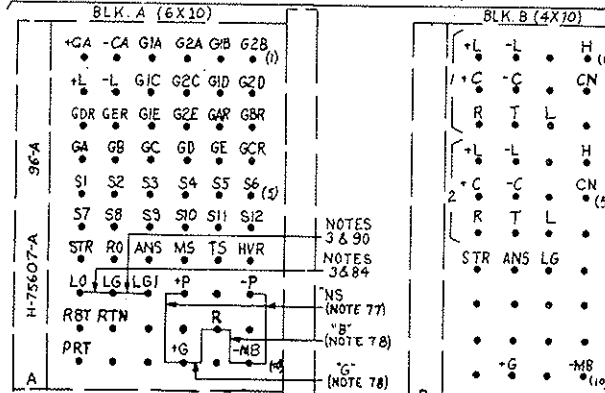
PRIOR TO ISSUE 17
TERM. BLKS. (A & B) (FIG. 27A)
FOR 2 CKTS. OF FIG. 1A, 3 CKTS. OF FIG. 3A
& 1 CKT. OF FIGS. 2A, 4A, 7A, 10A, 12A, & 13A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)
BLK. A (8x6)



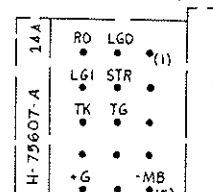
BLK. B (8x6)



TERM. BLKS. (A & B) (FIG. 96A)
FOR 1 CKT. OF FIGS. 4A, 7A, 12A, & 13A & 2 CKTS. OF FIG. 16A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)



TERM. BLK. (3x5)
FOR 1 CKT. OF FIG. 14A
RIGHT SIDE = INST. SIDE
(FRONT OF TERM. BLK.)



FIRE
REPAIR
BLOCK

401
TO AMP
CONTINUED
TO FIRE
SECTION

BEGINNING WITH ISSUE 17
TERM. BLK. (10 X 10)
FOR 2 CKTS. OF FIG. 1A
RIGHT SIDE=INST. SIDE
(FRONT OF TERM. BLK.)

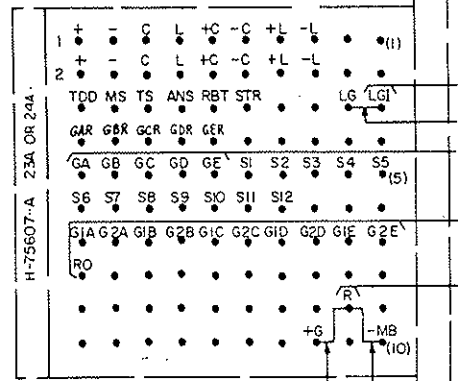
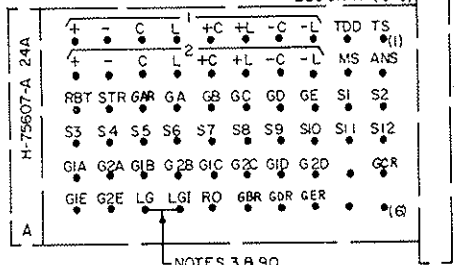


FIG. 24A ONLY

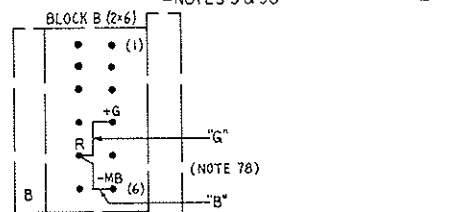
NOTES 3 & 90

FIG. 24A ONLY

BEGINNING WITH ISSUE 21
TERM. BLKS. A & B (FIG. 24A)
FOR 2 CKTS. OF FIG. 1A
RIGHT SIDE=INST. SIDE
(FRONT OF TERM. BLK.)

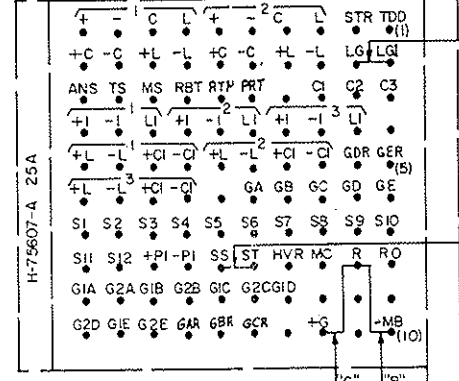


NOTES 3 & 90



NOTE 78

BEGINNING WITH ISSUE 17
TERM. BLK. (10 X 10)
FOR 2 CKTS. OF FIG. 1A
RIGHT SIDE=INST. SIDE
(FRONT OF TERM. BLK.)

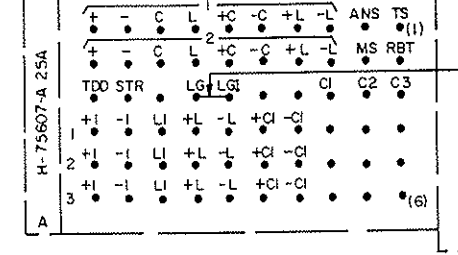


NOTES 3 & 90

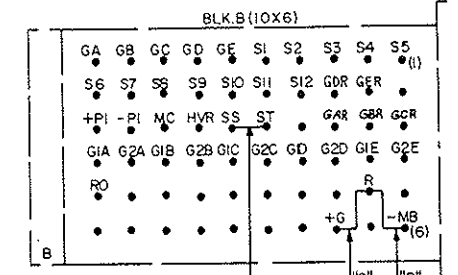
NOTES 3 & 88

NOTE 78

BEGINNING WITH ISSUE 17
TERM. BLKS. A & B (FIG. 25A)
FOR 2 CKTS. OF FIG. 1A, 3 CKTS. OF FIG. 3A
RIGHT SIDE=INST. SIDE
(FRONT OF TERM. BLK.)

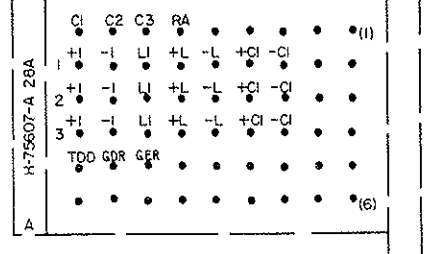


NOTES 3 & 90

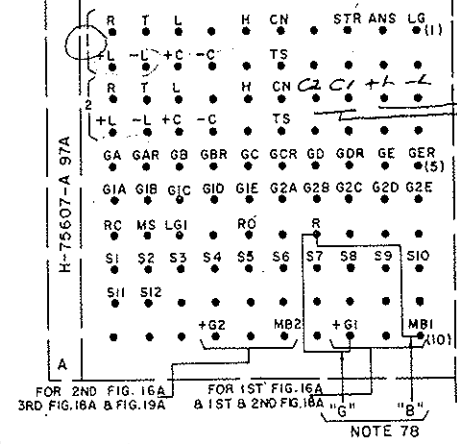


NOTES 3 & 88

BEGINNING WITH ISSUE 17
TERM. BLKS. A & B (FIG. 25A)
FOR 2 CKTS. OF FIG. 1A, 3 CKTS. OF FIG. 3A
RIGHT SIDE=INST. SIDE
(FRONT OF TERM. BLK.)



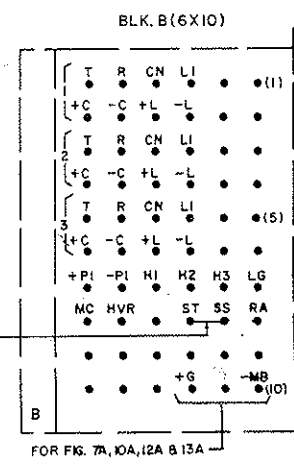
BEGINNING WITH ISSUE 26
TERM. BLKS. A & B (FIG. 27A)
FOR 3 CKTS. OF FIG. 1A,
2 CKTS. OF FIG. 16A,
1 CKT. OF FIGS. 7A, 10A, 12A, 13A & 19A
RIGHT SIDE=INST. SIDE
(FRONT OF TERM. BLK.)



FOR 2ND FIG. 16A
3RD FIG. 16A & FIG. 19A

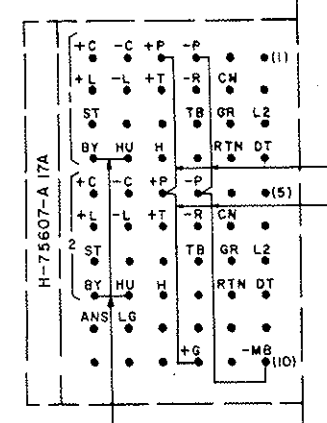
FOR 1ST FIG. 16A
& 1ST & 2ND FIG. 16A

NOTE 78



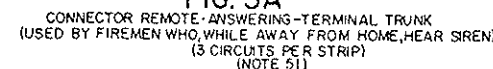
FOR FIG. 7A, 10A, 12A & 13A

BEGINNING WITH ISSUE 26
TERM. BLK. (6X10)
FOR 2 CKTS. OF FIG. 17A
RIGHT SIDE=INST. SIDE
(FRONT OF TERM. BLK.)



"M" STRAP
NOTES 8 & 80

CONNECTOR FIRE-REPORTING-TERMINAL TRUNK
(2 CIRCUITS PER STRIP)
ST



REMOTE-ANSWERING-TERMINAL OPENING CIRCUIT
(1 PER 3 FIG. 3A)
(NOTE 51)

FIREHOUSE SUPERVISORY-LAMP PANEL
(FOR REFERENCE ONLY)
ANS

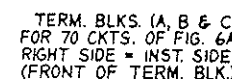
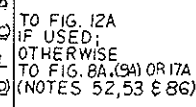
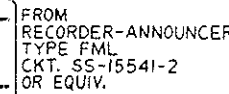


FIG. 7A
START EQUIPMENT



CONVERSATION BLOCKING RESISTORS
(1 CKT. PER FIGURE 3A, 4A, 8A (OR 9A), 17A & 18A
IF RECORDER-ANNOUNCER IS USED)
(70 CKT. PER STRIP)



CONFERENCE AMPLIFIER ISOLATION CAPACITORS
(2 CKT. REQUIRED IF CONFERENCE REPEATER IS USED;
1 FOR FIG. 4A OR BOTH FIG. 1A & 1 FOR ALL FIG. 3A)

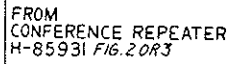


FIG. 16A

LINE MATRIX FIRE REPORTING TERMINAL TRUNK
(2 CKTS. PER UNIT)
(SEE FIG. EAX)

FIG. 17A

FIREMAN'S LINE CIRCUIT

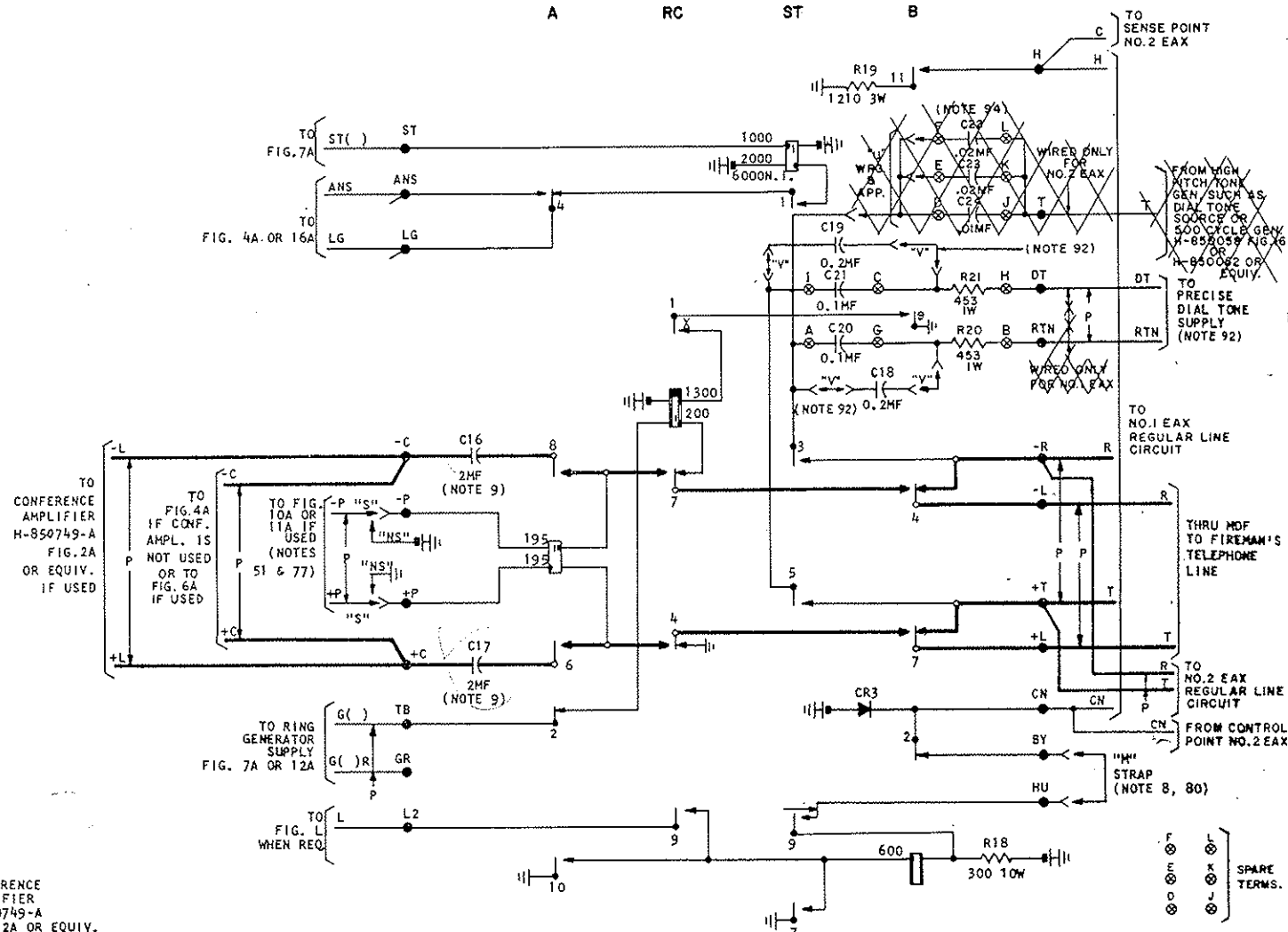
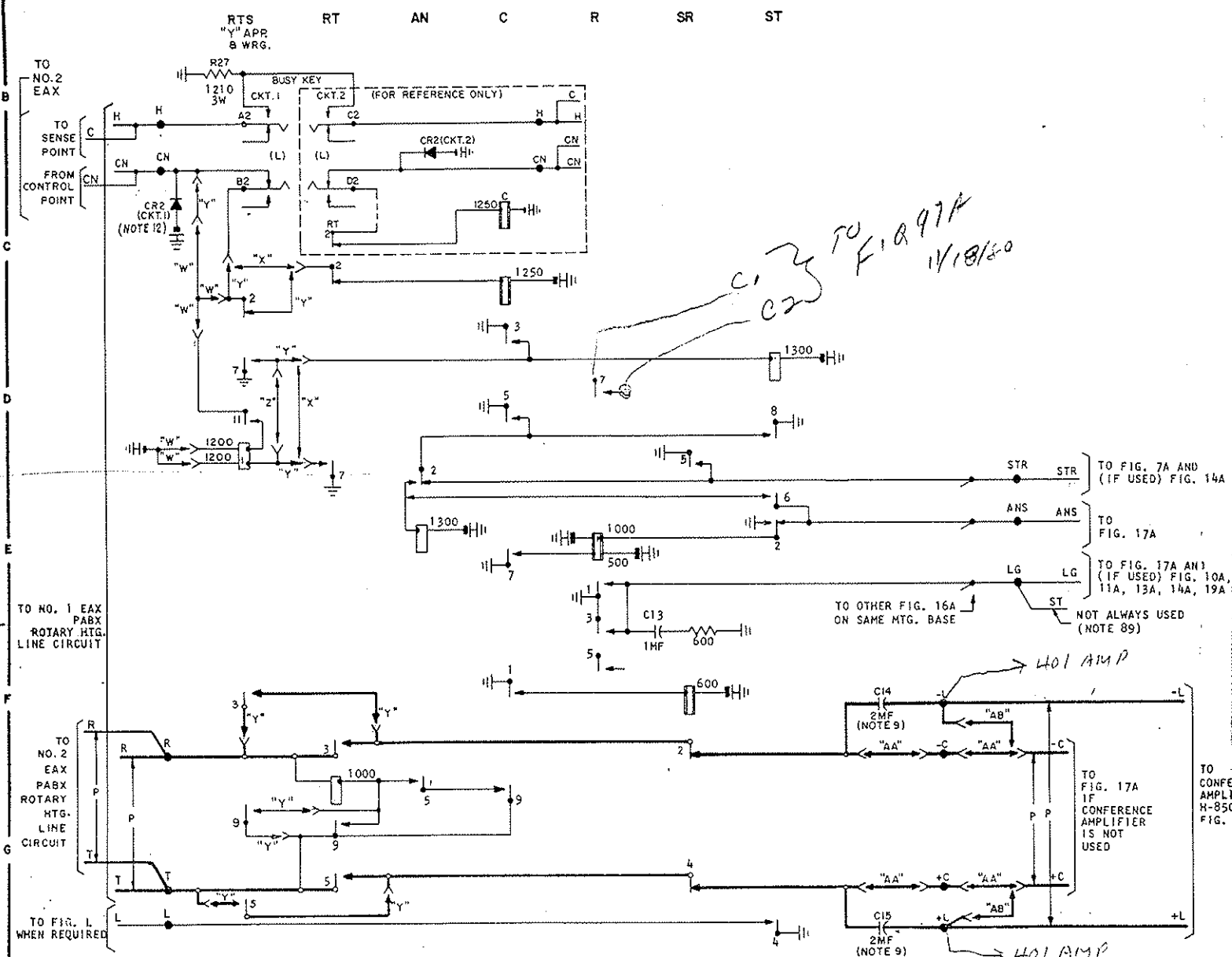


FIG. 19A

REMOTE ANSWERING LINE MATRIX BUSY CIRCUIT
RAC

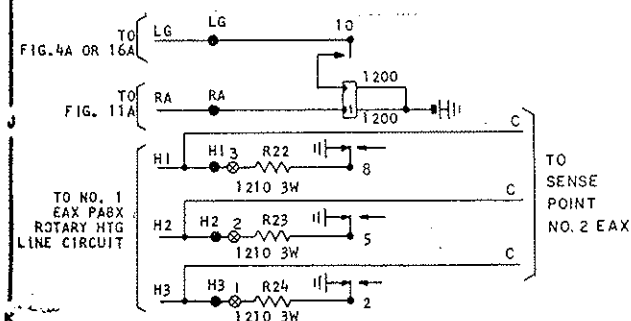


FIG. 18A

REMOTE ANSWERING TRUNK
CA (SEE FIG. EAX)

