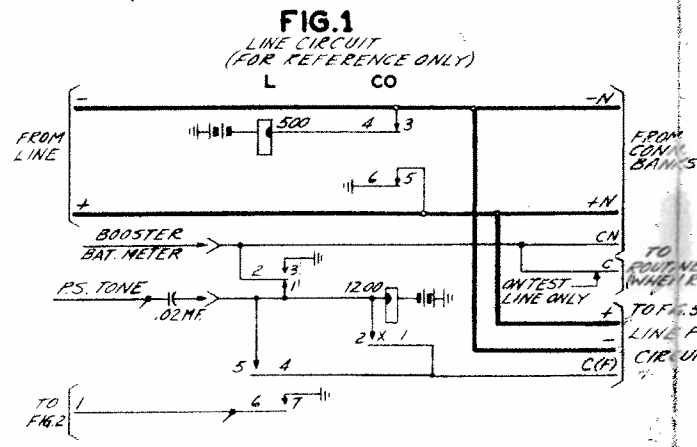
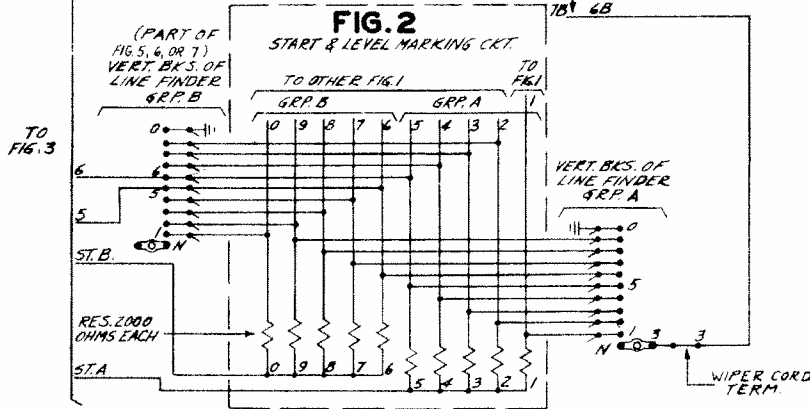
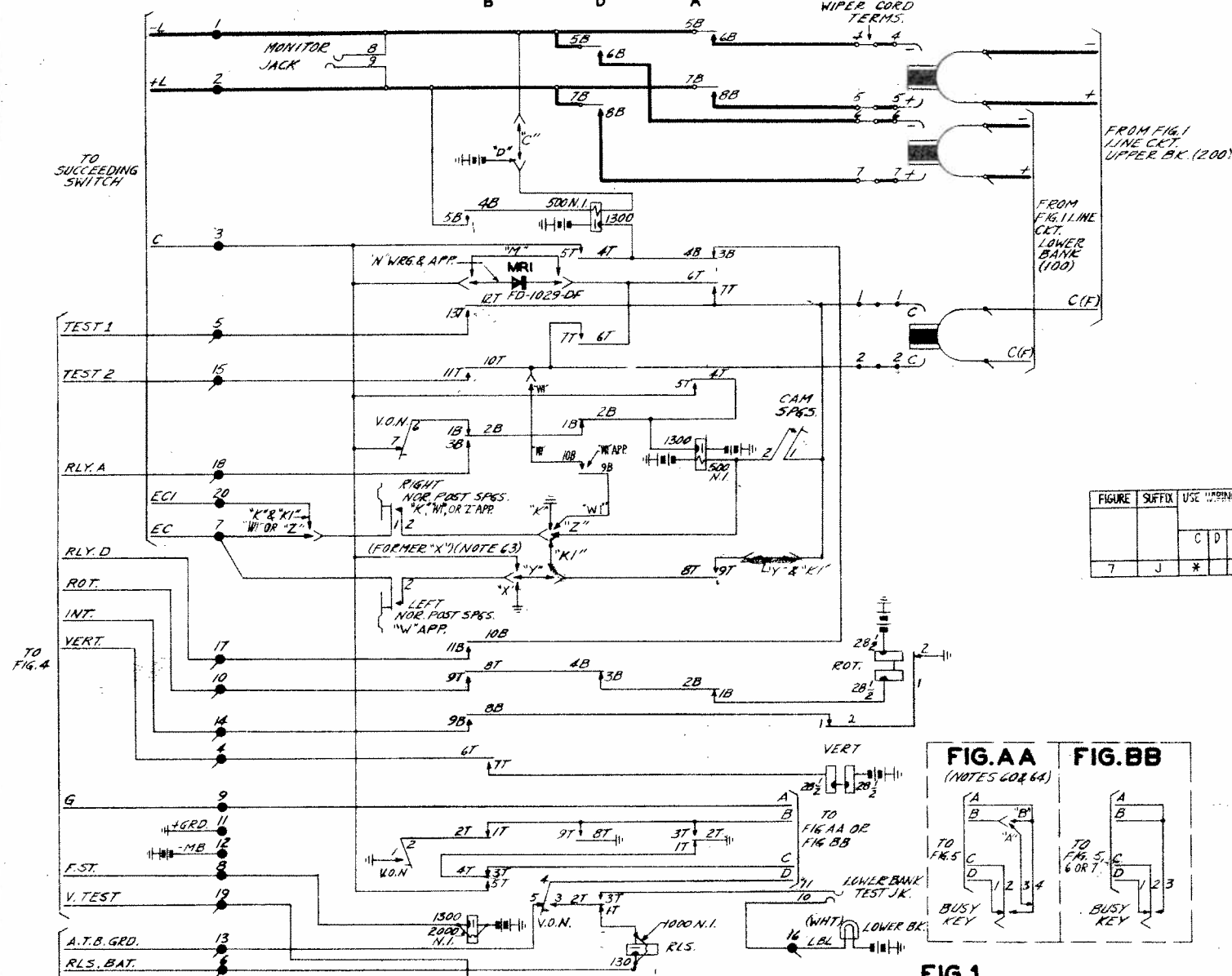


FIG. 7
(NOTES 67 & 68 & TABLE A)

MFG DIS. FIG. 5
LINE FINDER CIRCUIT

USE "M" WRS. OMIT "N" WRS. & APP. NOTE 67 & SUFFIXES
USE "N" WRS. & APP. OMIT "M" WRS.



ENGINEER NOTES (CONT'D)

67- PROVIDE FIGURE 6 OR 7 WHEN OFFICE IS ARRANGED FOR LAST PARTY RELEASE CONNECTORS. FIGURE 6 OR 7 MUST NOT BE USED WITH DIRECTORY NUMBERS REVERTING CALL CONNECTORS WHICH RELY ON GROUND RETURN OVER "C" LEAD FOR REVERTING CALL TEST.

68- PRIOR TO ISSUE 27, "W" WIRING AND APPARATUS, TABLE A AND FIGURE 7 WERE NOT SHOWN.

ENGINEERING NOTES:

51- SHELF JACKS 9611 OF FIG. 5, 6 OR 7 MAKE CONTACT WHEN SWITCH IS REMOVED.

52- CAM SPRINGS OPERATE ON 11TH ROTARY STEP.

53- CONTACTS "X" OPERATE FIRST.

54- SHELF JACKS 10 & 30 AND 170 & 190 OF FIGURE 3 MAKE CONTACT WHEN SWITCH IS REMOVED.

55- LEVEL A OF FIGURE 4 IS NEAREST RATCHET.

56- NUMBER X TERMINAL OF RECTIFIER IS NEAREST MOUNTING PLATE.

57- THE START SIGNAL & RELEASE ALARMS ARE CLASSIFIED AS DELAYED NO DANGER ALARM SIGNALS WHEN USED WITH POWER SUPERVISORY CIRCUIT H-61704 OR EQUIVALENT. THESE ALARMS ARE DELAYED FROM 15 TO 30 SECONDS. WHEN POWER SUPERVISORY CIRCUIT H-61704 OR EQUIVALENT IS NOT USED, THE START SIGNAL IS CLASSIFIED AS A DANGER ALARM HAVING A DELAY PERIOD OF 2 TO 4 MINUTES & THE RELEASE SIGNAL IS CLASSIFIED AS A NO DANGER ALARM WITH A MINIMUM DELAY PERIOD OF 4 SECONDS. THE FINDER BLOCKED SIGNAL IS CLASSIFIED AS AN IMMEDIATE NO DANGER ALARM & THE FUSE ALARM IS CLASSIFIED AS AN IMMEDIATE DANGER ALARM SIGNAL.

58- THE TIME 1 & TIME 2 LEADS SHALL HAVE A TIME INTERVAL OF MINIMUM 6 SECONDS, MAXIMUM 30 SECONDS.

59- SPECIFY "R" WIRING & APPARATUS & OMIT "S" WIRING WHEN THE RELEASE ALARM & FUSE ALARM LAMPS ARE INDIVIDUALLY ASSOCIATED WITH LINEFINDER UNIT. SPECIFY "S" WIRING & OMIT "R" WIRING & APPARATUS WHEN THE RELEASE ALARM & FUSE ALARM LAMPS ARE NOT INDIVIDUALLY ASSOCIATED WITH LINEFINDER UNIT.

60- IN FIG. 5 OR 6, PRIOR TO ISSUE 5, "B" WIRING WAS NOT SHOWN; "A" WIRING WAS PART OF CIRCUIT. "B" WIRING SUPERSEDES "A" WIRING ON FUTURE ORDERS.

61- PRIOR TO ISSUE 7, "D" WIRING WAS NOT SHOWN AND "C" WIRING WAS PART OF CIRCUIT.

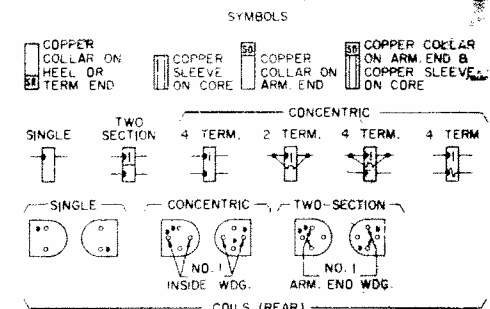
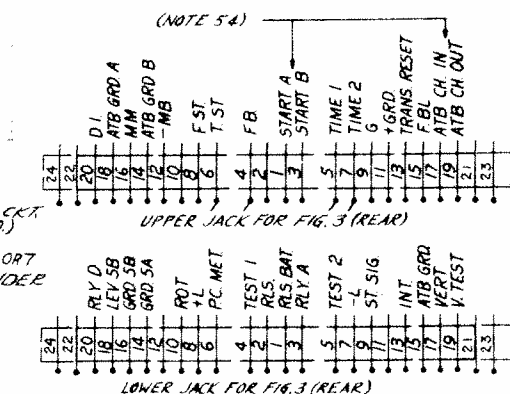
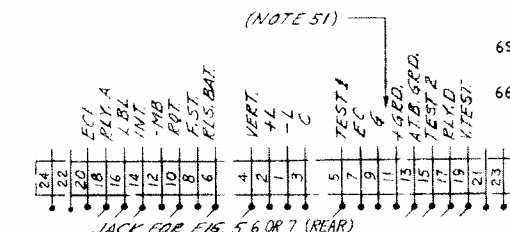
62- FOR PREPAY PAYSTATION LINES IN TOLL TICKETING OFFICES USE FIG. 5 OR 6 WITH SUFFIX A, B, C OR D AS REQUIRED.

63- IN FIG. 5 OR 6 PRIOR TO ISSUE 12, "X" WIRING WAS CONNECTED TO "C" LEAD. "X" WIRING IS TO BE CONNECTED TO GROUND ON FUTURE ORDERS.

64- IN FIG. 5 OR 6 PRIOR TO ISSUE 12, FIGURE BB WAS NOT SHOWN. FIGURE AA WAS PART OF CIRCUIT. FIGURE BB SUPERSEDES FIGURE AA, IS PART OF FIGURE 7.

65- ADD STRAP "C" WHEN ONLY GROUP "A" RELAYS ARE USED.

66- PRIOR TO ISSUE 20, DIODES RA & RB WERE COPPER OXIDE, D-35219-D, DIODE TERMINAL NEAREST TO MOUNTING PLATE WAS NO. 1 AND WAS ON GROUND SIDE.



INDICATES INSIDE TERMINAL (START OF WINDING)
(SD) SLOW TO OPERATE
(SR) SLOW TO RELEASE
JACK TERMINAL
JACK TERMINAL (COMMON)

SUFFIXES (FOR FIG. 5 OR 6):

A - OMIT "M", "X" & "Y" WIRING & APPARATUS, PROVIDE "C" WIRING (NO RESTRICTED SERVICE).

B - PROVIDE "X" WIRING & "W" APPARATUS & OMIT "Y" WIRING. PROVIDE "C" WIRING. ADJUST LEFT NORMAL POST SPRINGS TO OPERATE ON RESTRICTED LEVELS FOR BOTH GROUPS.

C - PROVIDE "Y" WIRING AND "W" APPARATUS & OMIT "X" WIRING. PROVIDE "C" WIRING. ADJUST LEFT NORMAL POST SPRINGS TO OPERATE ON RESTRICTED LEVELS FOR ONLY UPPER GROUP.

D - PROVIDE "D" WIRING, OMIT "W", "X", "C", & "Y" WIRING & APPARATUS (NO RESTRICTED SERVICE).

E - PROVIDE "D", "X", "C", & "Y" WIRING. "Z" WIRING & APPARATUS. OMIT "C" & "Y" WIRING. FOR CLASS OF SERVICE IDENTIFICATION ADJUST LEFT NORMAL POST SPRINGS ON LEVELS (IN BOTH GROUPS) SERVING CLASS 2 OR CLASS 5 LINES. ADJUST RIGHT NORMAL POST SPRINGS ON LEVELS (IN BOTH GROUPS) SERVING CLASS 3 OR CLASS 6 LINES. LEFT & RIGHT NORMAL POST SPRINGS MUST NOT OPERATE ON SAME LEVEL. ONE 200 LINE GROUP MAY SERVE CLASS 1, 2 & 3 LINES OR CLASS 4, 5 & 6 LINES. NO OTHER COMBINATIONS ARE POSSIBLE. LINES IN CLASS 1 OR 4 ARE CONNECTED TO LEVELS WHERE NORMAL POST SPRINGS ARE NOT OPERATED. LINEFINDERS SERVING CLASS 4, 5 OR 6 LINES REQUIRE A SUPPLEMENTARY STRAPPING ON THE PRIMARY SELECTOR. (SEE REFERENCE FIGURES ON PRIMARY SELECTOR CIRCUIT). LEFT NORMAL POST SPRINGS TO OPERATE ON LEVELS (IN BOTH GROUPS) SERVING RESTRICTED LINES RIGHT NORMAL POST SPRINGS MUST NOT BE OPERATED WHEN RESTRICTED SERVICE LINES ARE SERVED ON ANY LEVEL.

F - PROVIDE "D", "Y" WIRING & "W" APPARATUS & OMIT "X" WIRING. ADJUST LEFT NORMAL POST SPRINGS TO OPERATE ON RESTRICTED LEVELS FOR ONLY UPPER GROUP.

G - PROVIDE "X", "K", "C", & "Y" WIRING AND "W" APPARATUS & OMIT "D" WIRING. ADJUST RIGHT NORMAL POST SPRINGS TO CONTROL CONVERSATION TIMING IN THE ASSOCIATED SELECTOR ON LEVELS FOR BOTH GROUPS. ADJUST LEFT NORMAL POST SPRINGS TO CONTROL RESTRICTED LEVELS FOR BOTH GROUPS.

H - PROVIDE "X", "K", "C", & "Y" WIRING & "W" APPARATUS. OMIT "D", "Y", "H", & "D" WIRING. ADJUST LEFT NORMAL POST SPRINGS TO CONTROL CONVERSATION TIMING IN THE ASSOCIATED SELECTOR ON LEVELS FOR BOTH GROUPS. ADJUST RIGHT NORMAL POST SPRINGS TO CONTROL RESTRICTED SERVICE IN THE ASSOCIATED SELECTOR FOR UPPER GROUP.

J - SEE TABLE "A"

FIGURE	SUFFIX	USE WIRING OR WIRING AND APPARATUS	NORMAL - POST SPRINGS UNINSTALLER'S INSTRUCTIONS RESTRICTED SERVICE
		C D K X I N W M X Y Z	UPPER BANKS LEFT LOWER BANKS RIGHT
7	J	*	*

DRAWING NO.	ISS.	DESCRIPTION
AH-75311	16	ADJUSTMENT
E-75311	10	EXPLANATION

RUNNING LIST RL-75311 (FIG. 3)
DH-75311-20 (FIG. 5)
DH-75311-21 (FIG. 5)
DH-75311-22 (FIG. 5)
DH-75311-23 (FIG. 6)
DH-75311-24 (FIG. 6)
DH-75311-25 (FIG. 6)

DESIGNED H.N. 7-10-45		DR. K.M.F. 7-20-45	
APP'D. J. VOSS 7-14-45		CK. H.A.	
SCALE: AS SHOWN UNLESS OTHERWISE NOTED		INDEX A.M.B.	
DATE: 6-21-45		DATE: 6-21-45	
SHEET 1 OF 2		SHEET 1 OF 2	
H-75311		H-75311	
11692-H		11692-H	
200 LINE LINE FINDER UNIT CKT.		200 LINE LINE FINDER UNIT CKT.	
H-75311		H-75311	
SHEET 1 OF 2		SHEET 1 OF 2	
AUTOMATIC ELECTRIC COMPANY NORTHLAKE, ILL., U.S.A.		AUTOMATIC ELECTRIC COMPANY NORTHLAKE, ILL., U.S.A.	

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