

CLASS (ON WHOLE LEVEL)	MARK ON EC	FIGURE 2B			FIGURE 6B		
		UPPER 100 LINES (ONLY)	LOWER 100 LINES (ONLY)	BOTH HUNDREDS	UPPER 100 LINES (ONLY)	LOWER 100 LINES (ONLY)	BOTH HUNDREDS
1 OR 4	(NONE)						
2 OR 5	GROUND	LEFT NORMAL-POST SPRINGS		LEFT N-P SPGS & WRG G	LEFT NORMAL-POST SPRINGS		LEFT N-P SPGS & WRG G
3 OR 6	-BATT. THRU 500 Ω		RIGHT NORMAL-POST SPRINGS	RIGHT N-P SPGS & WRG RS			RIGHT N-P SPRINGS

TABLE C
FEWER THAN 100 CLASS A LINES AND FEWER THAN 100 CLASS C LINES
(NOTE 55A)

P-A-B-X STATION CLASS OF SERVICE	CLASS MARK ON EC	N.P. SPGS. OPERATED	BANK ON WHICH LINE SHALL BE LOCATED
A	FROM C	LEFT	UPPER
B	NONE	NONE	EITHER
C	FROM C THRU 2000 J	RIGHT	LOWER

TABLE O MORE THAN 100 LINES CLASS A OR CLASS C (NOTE 55B)				
EC LEAO TO SHELF JK	CLASSES POSSIBLE ON LEVELS OF:		N.P. SPGS OPERATED	
	UPPER BANK	LOWER BANK	LEFT	RIGHT
21 (MORE CLASS A LINES THAN CLASS C LINES)	A	A		X
	B	B		
	C	B	X	
7 (MORE CLASS C LINES THAN CLASS A LINES)	A	B	X	
	B	B		
	C	C		X

FIG.	USES SUFFIXES	100 LINE 400 PT. BANK	200 LINE 600 PT. BANK	200 LINE 800 PT. BANK	N.P. SPGS.		MESSAGE REG. RLYS. (SINGLE PARTY METERING)
					"W" APP.	"H" APP.	
1	A, C		X				
2	A, B, C		X		X		
3	A, C			X	X		
4	A, C			X	X		
5	A, B			X	X		X
6	A, B			X	X		X
7	A, C, D	X					
8	A, C, D	X				X	

SUFFIX	"A" WRG. DIODE BLKING. IN C LEAD	"B" WRG. THRU "C" LEAD. (NOTE 57)	"C" WRG. LOOP SEIZURE OF SUCC. SW.	"D" WRG. BAT. SEIZURE OF SUCC. SW. (TYPE A CIR. SYSTEMS)	FIGURES 7-8	
					STANDARD ("E" WRG.)	TRK. FINDER REQ. HUNT (H) LEAD ("F" WRG.)
A	X		X		X	
B	X			X	X	
C		X	X		X	
D		X	X		X	X

APP. AND/OR WIRING	ISSUES		WAS PART OF	SUPERSEDED BY	WIRED BY		FIGURE OR SUFFIX	TABLE	NOTES
	FIRST USED	LAST USED			FACTORY	INSTALLER			
A	1				*		A, B	B	
B	2				*		C, 0	B	
C	1				*		A, C, 0	B	
E	1				*		B	B	
E	2				*		7B, A, B, C	B	
F	2				*		7, B, 0	B	
G	4				*	*	2B, 6B	E	
H	15				*		B	A	
I									
J									
K									
L	1				*		1 - B		3, 51
M									
N									
O									
P									
Q									
R	1				*		1 - 6		3, 55, 56
S									
T									
U									
V									
W	1				*		2, 4, 6	A	
X									
Y									
Z									
RS	1				*		1 - 6	E	55B, 56
HH	16				*		B	A	
RR	16				*		7, B		3, 55

ENGINEERING NOTES:

51-ENGINEER SHALL INSTRUCT INSTALLER TO CUT "L" STRAP WHEN USED WITH REGISTER SENOER ACCESS CIRCUIT H-850348-A FIG.1A OR EQUIVALENT.

52-ADJUST NORMAL POST SPRINGS TO OPERATE ON LEVELS HAVING RESTRICTED SUBSCRIBERS. LEFT NORMAL POST SPRINGS ARE FOR UPPER BANK OR GROUP A RESTRICTIONS (FIG.8). RIGHT NORMAL POST SPRINGS ARE FOR LOWER BANK (NOTE 56) OR GROUP C RESTRICTION (FIG.8).

53-WIRE FOR RESTRICTED OR SPECIAL SERVICE AS
REQUIRED. REFER TO SUCCEEDING SWITCH CIRCUIT.
FOR GROUND FOR LINES REQUIRING GROUND ON THE
"EC" LEAD, STRAP "EC" LEAD TO "C" LEAD.

54-FIGURE 3 CAN BE USED TO PROVIDE INDIVIDUAL
LINE RESTRICTION IF REQUIRED. ENGINEER SHALL
INSTRUCT INSTALLER TO CABLE EC LEAD TO JACK
POINT 20 (NOTES 53 & 56).

55- ENGINEER SHALL ORDER ONE 2000 OHM 1 WATT RESISTOR PER LINE FINDER TO BE STRAPPED BETWEEN SHELF JACK 7 & 21 IN PLACE OF "R" STRAP, OR SHELF JACK 20 & 21 IN PLACE OF "RR" STRAP WHEN FIGURE 2, 4, 6 OR 8 IS USED WITH 3-CLASSES-OF-SERVICE SEL.(H-580338-A OR EQUIV.)

55A- IF MAXIMUM NUMBER OF LINES IN EITHER CLASS A OR CLASS C IS 100, BOTH SETS OF NORMAL POST SPRINGS CAN OPERATE ON THE SAME LEVEL. (SEE TABLE C).

55B-IF MORE THAN 100 LINES OF CLASS A OR C RESTRICTION ARE REQUIRED IN A 200 LINE GROUP, INSTRUCT INSTALLER TO ADD "RS" STRAP TO ALL FINGERS IN THE GROUP AND WHETHER TO CONNECT THE EC LEAD TO SHELF JACK 7 OR 21. ONLY ONE SET OF NORMAL POST SPRINGS CAN OPERATE ON ANY LEVEL. (SEE TABLE D).

56-IF MORE THAN ONE RESTRICTED OR SPECIAL SERVICE IS REQUIRED, STRAP "R" CAN BE CUT AND BOTH JACK PTS 7 & 21 (AND 20 ON FIG. 4) CAN BE USED SEPARATELY AS EC AND ECI, OR AS REQUIRED. AN "RS" STRAP (AS SHOWN ON FIG. 2) CAN ALSO BE ADDED BY THE INSTALLER ON FIGS. 2, 4, & 6 WHEN RESTRICTION ON BOTH UPPER AND LOWER GROUPS BY A SINGLE SET OF N.P. SPRINGS IS REQUIRED.

57-A THRU C LEAD IS REQUIRED WHEN GROUND OR BOOSTER BATTERY IS TO BE PROJECTED FORWARD FROM THE LINE EQUIPMENT OR CONNECTOR THRU THE LINEFINDER TO SUCCEEDING SWITCHES. SERIES 300 SYSTEMS HAVING CAMP-ON AND OVERRIDE ON THE OPERATORS OUTGOING TO LINE EQUIPMENT TRUNKS AND DIRECTORY NUMBER REVERTING CALL CONNECTORS (H-580142--A AND SIMILAR) USE THIS METHOD OF OPERATION.

SYMBOLS

 COPPER COLLAR ON WHEEL OR TERM. END SLOW TO RELEASE	 COPPER SLEEVE ON CORE	 COPPER COLLAR ON ARM. END SLOW TO OPERATE	 COPPER COLLAR ON ARM. END & COPPER SLEEVE ON CORE
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CONCENTRIC

SINGLE 	TWO SECTION 	4 TERM. 
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SINGLE 	CONCENTRIC  NO. 1 INSIDE WDG.	TWO-SECTION  NO. 1 ARM. END WDG.
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COLS. (REAR)

• INDICATES INSIDE TERMINAL (START OF WINDING)

—• JACK TERMINAL

—• JACK TERMINAL (COMMON)

MANUFACTURING NOTES:

1-SHELF JACKS 9 & 11 MAKE CONTACT WHEN SWITCH IS REMOVED.

2-CAM SPRINGS OPERATE ON 11TH ROTARY STEP

3-"L", "R" & "RR" STRAPS TO BE PROVIDED ON ALL SWITCH POSITIONS.

4-RELAY UB SPRING NUMBERS IN PARENTHESES ARE FOR FIGURES 1 & 3.

5-(FIGURES 7&8) RELAY BR SPRING NUMBERS IN PARENTHESES
ARE PART OF FIGURE 7 AND SPRING NUMBERS NOT IN
PARENTHESES ARE PART OF FIGURE 8.

GTE

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STOCKLIST OH-580368-A27 (FIG.8)
STOCKLIST OH-580368-A26 (FIG.6)
STOCKLIST OH-580368-A25 (FIG.7)
STOCKLIST OH-580368-A24 (FIG.3)
STOCKLIST OH-580368-A23 (FIG.5)
STOCKLIST OH-580368-A22 (FIG.4)
STOCKLIST OH-580368-A21 (FIG.2)
STOCKLIST OH-580368-A20 (FIG.1)
JUMPER LIST JL-580368-A

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ASSOCIATED DRAWINGS		
DRAWING NO.	ISS.	DESCRIPTION
AH-580368-A	12	ADJUSTMENT
E-580368-A	2	EXPLANATION

CURRENT DRAIN DATA
HOLDING CURRENT

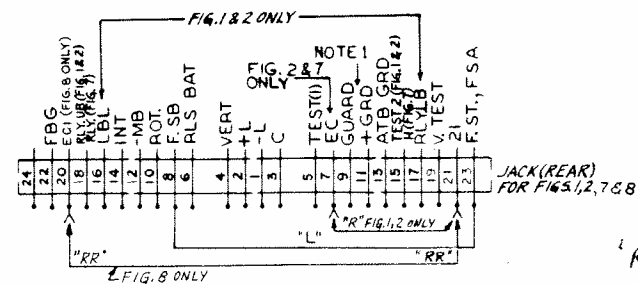
2-25-64
J.B.

LINE FINDER CKTS.
100 AND 200 LINE

H-580368-A

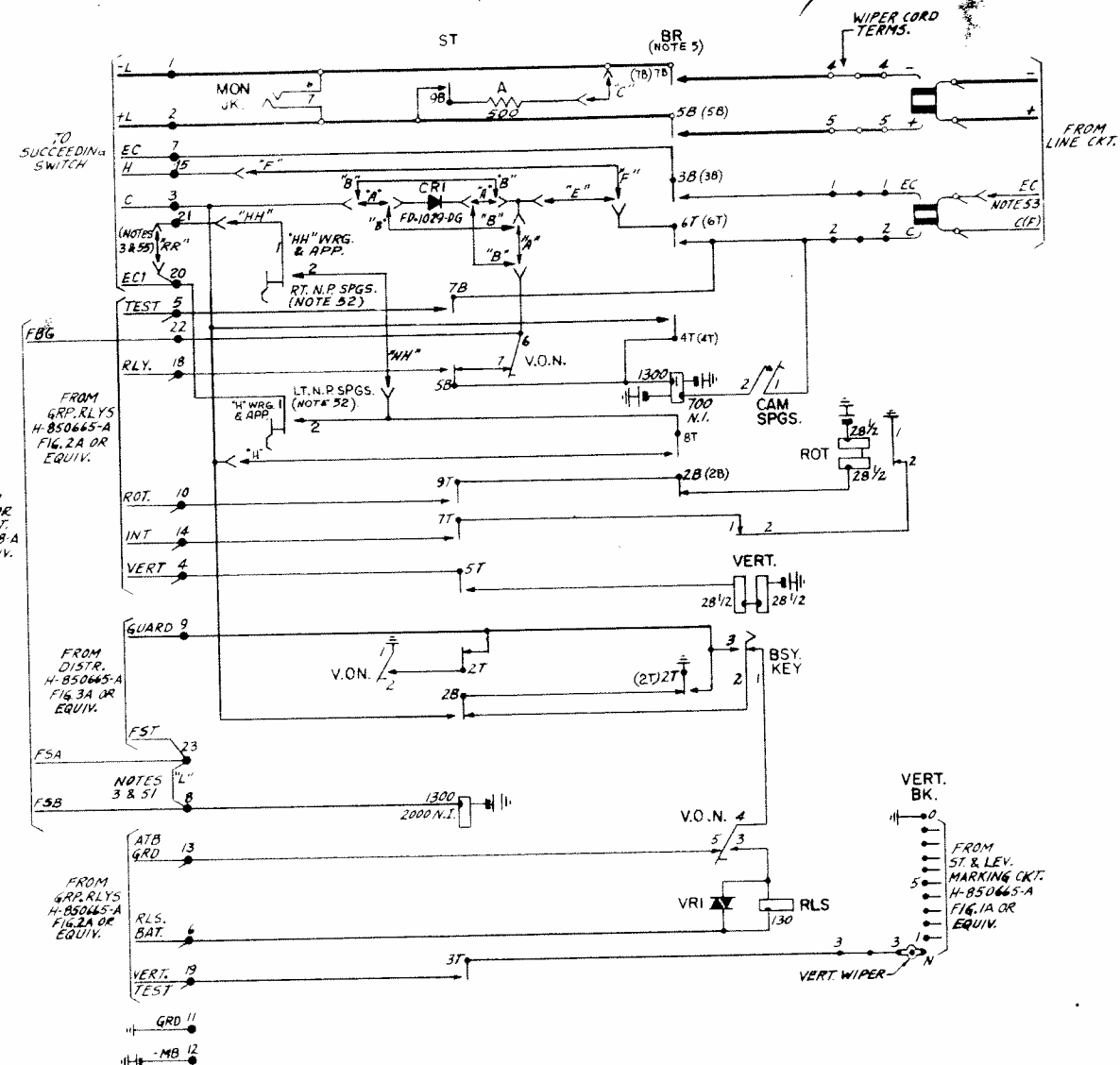
AUTOMATIC ELECTRIC COMPANY
U. S. A. ● GENOA, ILL., U. S. A. ○ WAUKESHA, WISC., U. S. A. ○

REGULAR CIRCUIT



'R' STRAP USED
ON PAX SEL
CIRCUIT ONLY?

400 POINT
SERVES 100
LINE ONLY



H-580368-A

SHEET 2 OF 3

AUTOMATIC ELECTRIC COMPANY

NORTHLAKE, ILL. U.S.A. ● GENOA, ILL. U.S.A. ○ WAUKESHA, WISC. U.S.A.

LINE FINDER CKT.
(TABLES A & B)

