				-					
		TAR	LE A						
		METHOD OF SETTING UP RINGING OPTIONS	SPECIAL GEN. SH. MULT. 16	DIR.GEN.SH. MULT.15	NORMAL GEN. SH. MJLT. 5	ADD "A" STRAP 7T-8T RLY.H	STRAP SHELF MILT. 16 TO 5	STRAP SHELF MULT. 15 TO 5	SEE NOTES
	1	IMMEDIATE RING LOCAL SPECIAL RING TRK.	*	*	*				
	2	IMMEDIATE RING LOCAL IMMEDIATE RING TRK.		*	*	×.			52, 54
ı	3	IMMEDIATE RING LOCAL NORMAL RING TRK.		**	*		*		52
	4	NORMAL RING LOCAL NORMAL RING TRK.			*		*	ŵ	52, 53
	5	NORMAL RING LOCAL SPECIAL RING TRK.	*		*			*	53

					TABL	E B				
FIG.	SHELF WRG.			SWITCH WRG.						
	х	U		F	G	D	С		NOTES	
1A	*			*		*		BATTERY CONNECTED GENERATOR	5	
2A		*		*		*		GROUND CONNECTED GENERATOR	5	
ЗА					*		*	LISTED NO. CONN. BAT. CONN. GEN.	12,60	

				TAB	LE (	С	_			
OR	100	UES	0.	D BY	WIR B		FIGURE OR SUFFIX			
APP. AND/OR WIRING	133	UES	FART	SUPERSEDED	FACTORY	NSTALLER		TABLE	NOTES	
49.≽	FIRST USED	LAST USED	WAS		FAC	INSTA	301712			
Α.	1				ļ	*	IA,2A,3A	A	54	
В										
С	1				*		3A	<b>0</b> ,0	57 <b>6</b> 1	
D	ı				*	Ĺ	iA,2A	8,0	57 61	
E	<u> </u>					*	IA,2A,3A		58	
F	1				*		iA,2A	B.		
G	Ī				*		3A	В		
н	<u> </u>	- 1	L_	J	<b>*</b>					
1										
7	2			<u> </u>	*					
ĸ	1	2	<u> </u>	L	*		IA2A,3A			
L	_ 3		L	L	*		IA,2A,3A			
M					L		Ĺ .			
N	, 1			L		*	3A		60	
٥			<u> </u>	L_		L				
P		<u> </u>		L.	<u> </u>	L.				
9			<u> </u>				Ĺ			
R			<u> </u>	L.	<u>L</u>	L	L			
8	4				*	L_	14,24,34	_	6;	
_T	4				<u>Ĺ</u>	*	1A,2A,3A	D	61	
υ					<u> </u>	*	2 <b>A</b>	В	5	
٧	4	4	5	w	*		IA,2A,3A			
W	5			_	*		1A,2A,3A	D ·		
_×_	1	<u> </u>		<u> </u>	*		łA.	8	5	
۲	<u> </u>	<u> </u>			L.		<u></u>			
Z										
LPR	- 1				*		IA,2A,3A		11,59	
BI	1				*		1A,2A,3A		7	
DB	1					*	IA,2A,3A		7	
NT	- 1					*	IA,2A,3A		51	
DI	-1				*		3A		12,9	

| | × 3A

	TABLE D										
FIG.	CDFG		Ιτ	DESCRIPTION							
	۲	*	*	Ť	Ė	FACTORY WIRED (NOTE 57 & TABLE B) (2000 Ω TIP GROUND)					
1 A , 2A	*		*			(SECOND READ OUT) INSTALLER WIRED (NOTE 57 & TABLE B) REMOVE "O" WRG. & ADD "O" WAG CANNOT BE USED WHEN 2000 OMM RING BATTERY IS USED FOR LISTED NUMBER	OPEN "C" LEAD				
			*		*	(THIRD READ OUT) INSTALLER WIRED (HOTE 57 61 & TABLE B) REMOVE "D" WRG, & ADD "TA WRG, CANNOT BE USED WHEN 1000 OHM ON TIP 8 RING IS USED FOR LISTED NUMBER	DIVERT FUNCTION				
_			*			(FOURTH READ OUT) INSTALLER WIRED (NOTE 57, 61 & TABLE B) REMOVE "D" WRG. CANNOT BE USED WHEN OPEN BETWEEN TIP & RING IS USED FOR LISTED NUMBER					
	*			*		FACTORY WIRED (NOTE 57 & TABLE B) 2000 OHM RING BATTERY					
		*		*		(SECOND READ OUT) INSTALLER WIRED (NOTE 57 & TABLE B) REMOVE "C" WRG. & ADD "D" WRG. CANNOT BE USED WHEN 2000 3HH TIP GROUND IS USED FOR OPEN "C" LEAD DIVERT	Listed				
3 <i>A</i>				*	×	(THIRD READ OUT) INSTALLER WIRED (NOTE 57, 61 & TABLE B) REMOVE "C" WRG, & ADD "T" WRG. CANNOT BE USED WHEN 1000 OHM BETWEEN TIP & RING IS USED FOR OPEN "C" LEAD DIVERT	NUMBER DIVERT FUNCTION				
				*		(FOURTH READ OUT) INSTALLER WIRED (NOTE 57, 61 & TABLE B) REMOVE "C" WRG. CANNOT BE USED WHEN OPEN BETWEEN TIP & RING IS USED FOR OPEN "C" LEAD DIVERT					
						-					

91-TO TEST OPERATE TIME OF RELAY "2", MAINTENANCE MAN TO DIAL AN IDLE TERMINAL AND CHECK THAT RELAY "J" OPERATES BEFORE RELAY "2", IF MORE TIME IS REQUIRED, REMOVE STRAP "DI" AND ADD STRAP "D2" TO INCREASE OPERATING TIME APPROXIMATELY 50 TO 60 MILLISECONDS. TO INCREASE AN ADDITIONAL 50 TO 60 MILLISECONDS, REMOVE STRAPS "DI" AND "D2".

ENGINEERING NOTES:

51-LOCAL CALL NUISANCE TRAP FEATURE. STRAP "NT" LEAD SHELF JACK 23 TO "C" LEAD SHELF JACK 9. (OFF HOOK CALLED PARTY WILL HOLD LOCAL CALLING SWITCH TRAIN.)

52-REMOVE SPECIAL TRUNK GENERATOR FROM SHELF MULTIPLE 16. ADD RINGING STRAP OPTIONS FROM TABLE "A"

53-REMOVE DIRECT GENERATOR FROM SHELF MULTIPLE 15. ADD RINGING STRAP OPTIONS FROM TABLE "A".

54-"A" STRAP OPTION REQUIRED IN EACH SWITCH IN GROUP.

55-INT.+12VBB WIRED ONLY IF THIS SWITCH IS TO PROVIDE A DIVERT FUNCTION. SEE "LISTED NUMBER" CIRCUIT H-75672-A; INTR. H-850747-A AND ANY "NIGHT TRANSFER" WHICH MAY BE INVOLVED

56-CAMP ON BUSY-BREAK IN FEATURE WILL ONLY FUNCTION ON LAST TERMINAL IN A GROUP HUNTING NUMBER BLOCK. SEE NOTE 48 FOR METHOD OF RESTRICTION THIS FEATURE.

57-ON FIGURE IA AND 2A ENGINEER TO INSTRUCT INSTALLER
TO ADJUST LEFT NORMAL POST SPRINGS TO OPERATE ON
"DIVERT AS ASSIGNED LEVELS" (2000 OHM TIP GROUND),
ON FIGURE 3A INSTRUCT INSTALLER TO ADJUST LEFT
NORMAL POST SPRINGS TO OPERATE ON LISTED NUMBER
LEVEL (2000 OHM RING BATTERY),
IF 2000 OHM TIP GROUND IS REQUIRED FOR FIGURE
3A, INSTALLER TO REMOVE "C" WIRING & ADD "D" WIRING.
CIRCUIT WITHOUT "C" "D" OR "T" WIRING IS NORMALLY
USED FOR DID CONNECTOR TERMINAL INTERCEPT (NO TIP OR
RING MARK), TABLE D.

58-ENGINEER TO PROUNDE BLOCK OR "IT" WITHOUT STANDARD TO THE PROUNDE BLOCK OR "TO THE PROUND BLOCK OR "TO THE PROUNDE BLOCK OR "TO THE PROUND BLOCK OR "TO THE PROUNDE BLOCK OR "TO THE PROUND BLOCK OR "TO THE PROUNDE B

58-ENGINEER TO PROVIDE DIODE CR5 AND INSTRUCT INSTALLER TO ADD "E" WIRING IF "SUPY 2" FUNCTION IS REQUIRED.

59-ENGINEER TO INSTRUCT INSTALLER TO REMOVE "LPR" STRAP WHEN CALLING PARTY RELEASE IS REQUIRED.

60-FIGURE 3A TO BE USED ON CONNECTOR SHELVES HAVING LISTED NUMBER LEVEL, ENGINEER TO INSTRUCT INSTALLER, WHEN USING FIGURE 3A,TO ADD WIRING TO LISTED NUMBER NIGHT GUARD AND TRANSFER CIRCUIT H-75672-A OR EQUIVILENT WHEN SELECTED STATION NIGHT SERVICE IS REQUIRED, IN ON INSTALL STRAP "N" ON SHELF.

61-FIGURES 1A, 2A & 3A NORMALLY SUPPLIED WITH "C" OR "D" WIRING. (SEE NOTE 57) IF A THIRD LISTED NUMBER IS REQUIRED, INSTRUCT INSTALLER TO DISCONNECT R2 RESISTOR FROM TIE POINT, REMOVE "C" OR "D" WIRING, AND ADD "T" WIRING TO ADD TIP & RING MARKING. (SEE TABLE D).

COPPER COLLAR ON SLEEVE COLLAR ON ARM END & COPPER SLEEVE ON CORE ARM END & COPPER SLEEVE ON CORE

SINGLE - CONCENTRIC - TWO-SECTION **x**• • **x** ARM. END WDG.

SYMBOLS

- COILS (REAR) -MODICATES INSIDE TERMINAL (START OF WINDING)

- JACK TERMINAL

•

JACK TERMINAL (COMMON)
A INDICATES MAKE BEFORE BREAK OR EARLY MAKE

\*\* INDICATES BREAK-MAKE BEFORE-BREAK

TERM. ON TERM. ASSY.

MANUFACTURING NOTES:

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

2-CONTACTS "X" OPERATE FIRST.

3-CAPACITORS C1 & C2 ARE MATCHED WITHIN 5%.

4-"EC" BANK MARKINGS ARE AS FOLLOWS:

A- PBX GROUP HUNTING. STRAP C & EC OF EACH LINE IN GROUP, EXCEPT LAST.

B-CAMP-OVERRIDE RESTRICTION. (NO CAMP OVERRIDE FEATURE). STRAP 1000 OHM 1 WATT MINIMUM GROUND TO TERMINAL TO BE RESTRICTED.

5-PROVIDE SHELF STRAPS "X" FOR BATTERY CONNECTED GENERATOR; TO BE CHANGED IN FIELD BY
INSTALLER TO "U" STRAPS WHEN GROUND CONNECTED GENERATOR IS PROVIDED. 1F "U" STRAPS ARE USED, CONSULT AH-DRAWING FOR FIGURE 2A.

6-ALL DIODES ARE FD-1029-DG UNLESS OTHERWISE SPECIFIED.

7-CONNECTOR IS WIRED WITH CAMP ON BUSY-BREAK IN FEATURE, "B1" WIRING. TO REMOVE BREAK 1N FEATURE, REMOVE "BI" WIRING AND ADD "DB" WIRING.

8-LEFT NORMAL POST SPRINGS (SEE NOTE 57). RIGHT NORMAL POST SPRINGS OPERATE ON TRUNK CALL RESTRICT LEVELS.

9-TRUNK CALL RESTRICT JACK 13 TO BE STRAPPED TO GROUND OR ATTENDANT CONTROLLED GROUND.

10-ROTARY OFF NORMAL SPRINGS OPERATE ON FIRST ROTARY STEP.

11-"D" AND "LPR" STRAPS ARE SHOP WIRING.

12-"C" AND "DI" STRAPS ARE SHOP WIRING FOR FIGURE 3A.

13-PRIOR TO ISSUE 2, RESISTOR R2 WAS 2000 OHM 1 WATT.

STOCKLIST DH - 580370 - 831 (FIG.3A) STOCKLIST DH - 580370 - 830 (FIG. IA & 2A) JUMPER LIST JL-580370-B

ASSOCIATED DRAWINGS DRAWING NO. ISS. DESCRIPTION AH-580370-B ADJUSTMENT EXPLANATION E-580370-B

CURRENT DRAIN DATA HOLDING CURRENT

ф 0 37 03 580 6 Ò I

SIGNED W.S. NUFER CONNECTOR CKT.-GRP. HUNTING CAMP ON BSY-BREAK IN-SW THRU IMMEDIATE RING ON LOCAL CALL SPECIAL RING ON TRUNK CALL DIVERT-NO. TERM. TEST CK. EJ. DATE:9-18-69 DO NOT SCALE DRAWING

H-580370-B

SHEET! OF AUTOMATIC ELECTRIC COMPANY NORTHLAKE, ILL., U. S.A. . GENOA, ILL., U. S.A. O WAUKESHA, WISC., U. S. A.



