

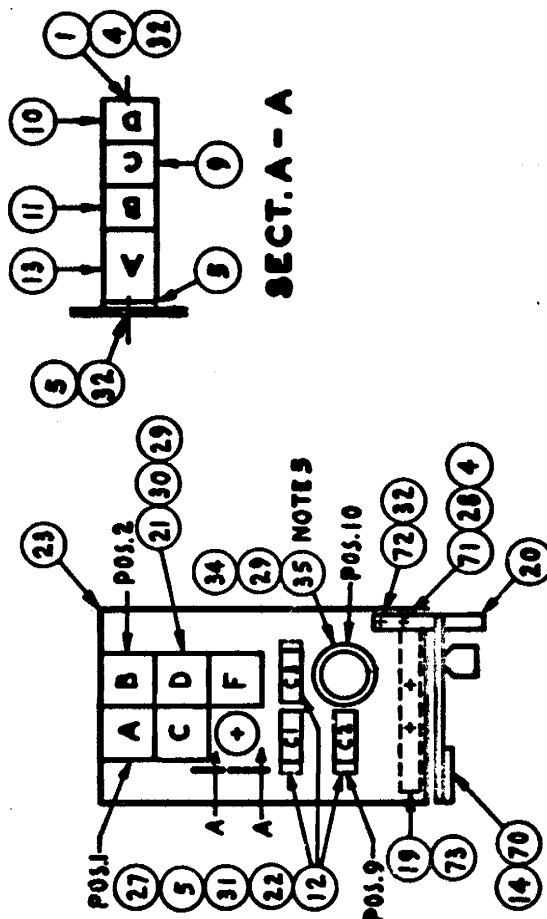
APP'D. G.J. BARAN H.A. BENNETT 43.4A J.E.T. DATE: 4-19-61		DR. J.S.J. 4-14-61 CK. A.G. INDEX 85C 4-21-61	SIZE A	DH-610051-40 SHEET 1 TOTAL 2	
---	--	---	-----------	---------------------------------	--

REG
ITEM 53 WAS
D-49082-AA
H.K.
A.R.P. MK
6-22-61

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- MANUFACTURING NOTES:**
- 1 - FOR MFG INF SEE SPEC. 5296.
 - 2 - GUIDE POSTS TO BE LOCATED ON RELAYS MARKED *.
 - 3 - STAMP FUNCT DESIG. PER H-43286 FIG. 1, 7 & 48.
 - 4 - "31" ITEMS TO BE WRAPPED SEPARATELY.
 - 5 - MOUNT LAMP SOCKET PER H-47041-25 FIG. A & STAMP L ON SIDE OF SOCKET.
 - 9 - FOR LOCATING & WIRING OF RECTIFIER SEE RLDH-610051-40 USE SLEEVING OVER EXPOSED PIGTAILS.



ENGINEERING NOTES:

51 - ● DENOTES DETAILS ON MD DRGS.

INCOMING REPEATER EQUIPMENT

SERIES "S-1" MTG.

H-610051 RLDH-610051-40A	3	DH-610051-40A
CKT & RL	FIG.	DRG. NO.

DH-610051-40

STOCKLIST 6D-859015 REG ADDED ITEM 37 & 41 ITEM 26 G.N.T. MK 5-3-62 155:3		APPD. _____ DATE: _____		DR. _____ CR. _____ INDEX _____		SIZE _____ A		SHEET 2 TOTAL 2 AUTOMATIC ELECTRIC COMPANY NORTHLAKE, ILL., U.S.A.		DH-610051-40	
		STOCKLIST (CONT'D)									
		AMT. _____		DRG. NO. _____		DESCRIPTION _____		AMT. _____		ITEM _____	
		AMT. _____		DRG. NO. _____		DESCRIPTION _____		AMT. _____		ITEM _____	
1		H-4508-18		STUD-RES		1		2		3	
2 5		D-1724-A D-1742-A		6 WASHER-RES & TEST JK 8 WASHER-RES & CAP		4 5		6		7	
1 1 1 3 1 1 1 1		D-281116-A D-281121-A D-281124-A D-283065-A D-283149-A D-320252-A D-3690-A D-3691-A		RES-50 RES-300 RES-500 RES-600-CAP RES-1000-2W BUSY KEY GUIDE POST-RIGHT RLY GUIDE POST-LEFT RLY		9 10 11 12 13 14 15 16 17		8 9 10 11 12 13 14 15 16 17		10 11 12 13 14 15 16 17	
1 1 5 3 1 1		D-42144-C D-42588-A D-44469-A D-44864-A D-47646-A D-490029-B		24 PT SW JK TEST JACK INS-RLY INS-CAP BASE FRONT COVER		18 19 20 21 22 23 24		18 19 20 21 22 23 24		18 19 20 21 22 23 24	
8 3 1 12 10 3 3		D-542410-A D-68563-A D-73261-C D-75321-A D-760642-A D-7700-A D-7701-A		SLEEVING - PIGTAILS NOTE 6 CAP-1 MF TERM-TEST JK BUSHING-RLY & LP SOCKET 8-32 WHIMS-RLY 8-32 NUT-CAP 6-32 NUT-RES & TEST JK		25 26 27 28 29 30 31 32		25 26 27 28 29 30 31 32		25 26 27 28 29 30 31 32	
1 1 1		D-94012-A D-94082-AA FD-1029-DG FD-1029-DF		LAMP SOCKET RES LAMP RECTIFIER - NOTE 6 RECTIFIER - NOTE 6		33 34 35 36 37		33 34 35 36 37		33 34 35 36 37	
DH-610051-40											

APPD.		G. H. TAYLOR		DH-610051-41	
DR.	DM.	CK.	MK.	SHEET	TOTAL
9-12-52	9-12-52			1	2
INDEX		DATE		A	
9-19-52		9-13-52		AUTOMATIC ELECTRIC COMPANY	
				NORTH LAKE, ILL. U.S.A.	

MANUFACTURING NOTES:

1- FOR MFG. INF. SEE SPEC. 5296.

2- STAMP FUNCT. DESIGNS PER H-43286 FIG. 1, 7 & 48.

3- GUIDE POSTS TO BE LOCATED ON RELAYS MARKED *.

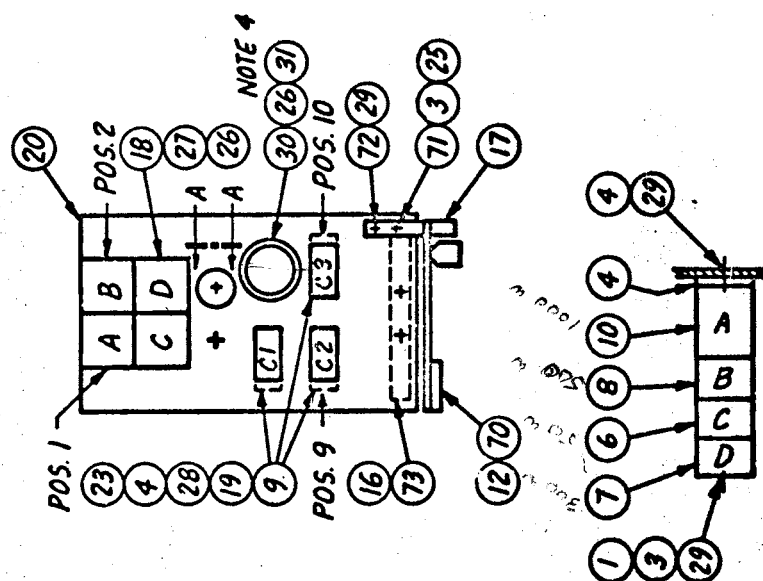
4- MOUNT LAMP SOCKET PER H-47041-25 FIG. A & STAMP "L" ON SIDE OF SOCKET.

5- "SI" ITEMS TO BE WRAPPED SEPARATELY.

6- FOR LOCATING & WIRING OF RECT. SEE WIRING LIST USE SLEEVING OVER EXPOSED PIGTAILS.

ENGINEERING NOTES:

SI-⊗ - DENOTES DETAILS ON MD DRG.



SECT. A-A

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DH-610051-41

INCOMING REP. EQUIPMENT
SERIES "SC-1" MTG.

H-610051	1	DH-610051-41A
CKT.	FIG	DRG. NO.

STOCKLIST				SCREWS											
				APP'D. _____ CK. _____ INDEX. _____ DATE: _____		SIZE _____ SHEET 2 TOTAL 2 A		DH-610051-41 AUTOMATIC ELECTRIC COMPANY NORTHLAKE, ILL., U.S.A.							
				DR. _____ CK. _____ INDEX. _____ DATE: _____		SIZE _____ SHEET 2 TOTAL 2 A		DH-610051-41 AUTOMATIC ELECTRIC COMPANY NORTHLAKE, ILL., U.S.A.							
				DR. _____ CK. _____ INDEX. _____ DATE: _____		SIZE _____ SHEET 2 TOTAL 2 A		DH-610051-41 AUTOMATIC ELECTRIC COMPANY NORTHLAKE, ILL., U.S.A.							
AMT.		DRG. NO.		DESCRIPTION		ITEM		AMT.		SIZE		WHERE USED		ITEM	
1		H-4508-18		STUD - RES		1		2		4-36X3/16		BUSY KEY		70	
2		D-1724-A		6 WASHER - RES. TEST JK		2		1		6-32X5/16		TEST JK		71	
5		D-1742-A		8 WASHER - RES		3		1		6-32X7/16		TEST JK		72	
1		D-281116-A		RES - 50		4		2		6-32X11/16		SW JK		73	
1		D-281121-A		RES - 300		5									
1		D-281124-A		RES - 500		6									
3		D-283065-A		RES - 600 - CAP		7									
1		D-283149-A		RES - 1000 - 2W		8									
1		D-320252-A		BUSY KEY		9									
1		D-3690-A		GUIDE POST - RT RLY		10									
1		D-3691-A		GUIDE POST - LT RLY		11									
1		D-42725-C		24 PT SW JK		12									
1		D-42583-A		TEST JK		13									
4		D-44469-A		INS - RLY		14									
3		D-44864-A		INS - RES		15									
1		D-470288-A		BASE		16									
1		D-490029-B		FRONT COVER		17									
2		D-542410-A		SLEEVEING-PIGTAIL-NOTE 6		18									
3		D-68563-A		CAP - 1 MF		19									
1		D-73261-C		TERM - TEST JK		20									
10		D-75321-A		BUSHING-RLY & LAMP		21									
8		D-760642-A		8-32 WHIMS - RLY		22									
3		D-7700-A		8-32 NUT - CAP		23									
3		D-7701-A		6-32 NUT-RES & TEST JK		24									
1		D-94012-A		LAMP SOCKET		25									
1		D-94082-AA		LAMP		26									
1		FD-1029-DF		RECTIFIER - NOTE 6		27									
						28									
						29									
						30									
						31									
						32									
						33									

D-543299
PVC CL. WIRE 24 AWG.

SWITCH WIRE

RELAYS

AMT.	RELAYS	POS.	M.D. DRG.
1	GR-6181-B8	1	MD-81
1	GR-8018-A2	2	MD-82
1	GR-6373-A4	3*	MD-82
1	GR-7238-A3	4*	MD-81

DH-610051-41

PX-2806.5 (5-61)

APP'D. C. M. WOOD	DR. P.T.	SIZE	DATE	SHEET	TOTAL
23-24	J.F.Y.	A	7-7-66	1	11
ISSUE: /					
2DH-610051-45 EMG. CHANGED PER DET. INFO ON C.O. C.N. F.H. C.S. 11-30-66					
ISS: 2					
ADDED ASSY. B. M.D. F.H. C.S. 11-30-66					
ISS: 3					
4DH-610051-49 REG. RATED DH-610051-45B MFG. DIS., SUPD. BY DH-610051-47A M.D. A.M. MK					
ISS: 4					
5DH-610051-42 EMG. STPG. ON IND. WAS "RET." R.C.S. A.M. MK 4-17-67					
ISS: 5					
6DH-610051-45 REG. REMOVED CAPC4 SECT. A-A WAS 2M. E.A.H. C.N. MK 12-5-67					
ISS: 6					

MANUFACTURING NOTES

1 FOR MFG. INF. SEE SPEC. 5296.

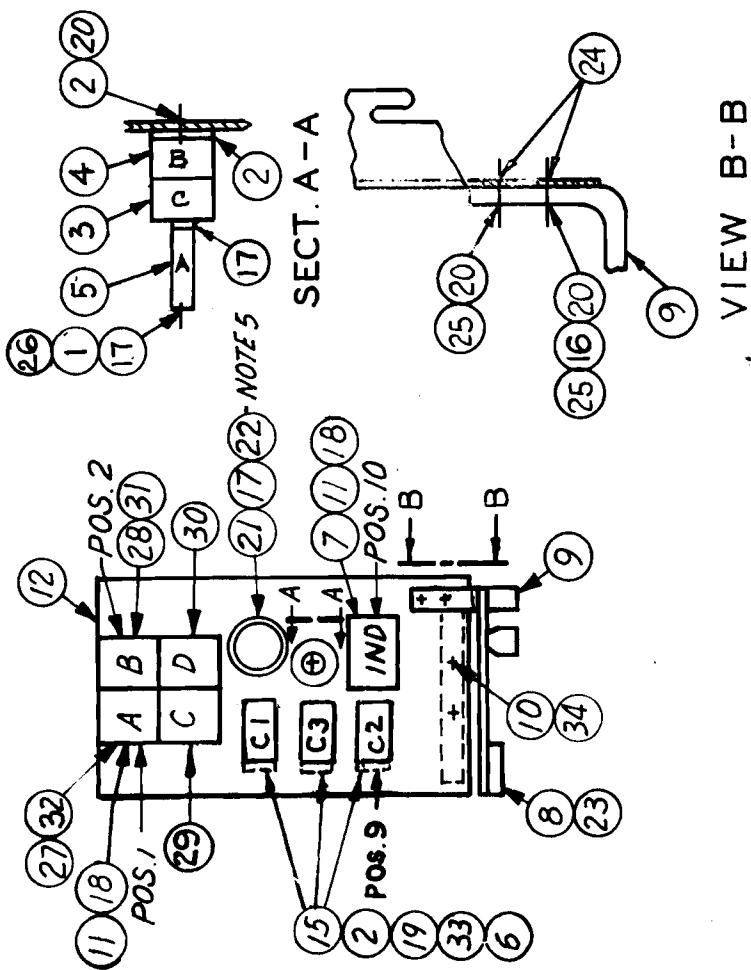
2 STAMP FUNCT. DESIGN. PER H-43286 FIG. 1, 7, 28 & 48.

3 5/8" ITEMS ARE NOT TO BE MTD. BY THE FACTORY.

4 FOR WIRING USE D-543299 PVC CL WIRE 24 AWG.

5 MOUNT LAMP SOCKET PER H-47041-25 FIG. B & STAMP "L" ON SIDE OF SOCKET.

6 FOR LOCATING AND WIRING OF RECT. SEE WIRING INSTRUCTIONS. USE D-543040 SLEEVING OVER EXPOSED PIGTAILS.



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MFG. DIS. SUPD. BY DH-610051-47A

INCOMING REPEATER EQUIPMENT			
SERIES "S-1" MTG.			
H-610051	6	DH-610051-45B	ISS: 6
H-610051	5A	DH-610051-45A	REG. IN CRT COLUMN WAS FIG. 5" R.R. C.N. J.M.H. 1-13-68
CHK.	FIG.	PART NO.	ISS: 7
2DH-610050-841 EMG. ADDED VIEW B-B; SCREW HEADS WERE ON FRONT J.W. A.I. V.A. 2-26-68			
ISS: 8			
7DH-610051-45A CLASS "D" DELETED TERM. 1-D-150029-D. M.M. A.Z. A.Z. 6-10-69			
ISS: 9			
10DH-610051-45 CL.B UPDATED R.C.S. AND MTG PARTS. L.O. G.B. 1-31-72			
ISS: 10			

DRAWING STOCK LIST

AMT	U/M	PART NUMBER		ITEM	G/P	DESCRIPTION
1.00	PC	D	1724 A	1		WHR-PLAIN .149X.312X.032
6.00	PC	D	1742 A *	2		WHR-PLAIN .173X.438X.032
1.00	PC	D	281121 A	3		RESISTOR 300 NI 1W
1.00	PC	D	281222 A	4		RESISTOR 600 NI 1W
1.00	PC	D	284076 A16	5		RESISTOR 1K.5 W
3.00	PC	D	283065 A	6		RESISTOR 600,.2W
1.00	PC	D	284280 A	7		COIL INDUCTOR
1.00	PC	D	320253 A	8		BUSY KEY
1.00	PC	D	42588 A	9		JACK-TEST
1.00	PC	D	42725 C	10		JACK SW-24 PT
5.00	PC	D	44469 A	11		INSULATOR
1.00	PC	D	470288 A	12		BASE ASSEM
1.00	PC	D	490029 B	13		COVER
3.00	PC	D	68563 A	15		CAPACITOR 1MF
1.00	PC	D	73261 C	16		BRKT-BIASING
14.00	PC	D	75321 A	17		BUSHING
10.00	PC	D	760642 A	18		WHIMS 8-32X9/32
3.00	PC	D	7700 A *	19		HEX NUT 8-32
3.00	PC	D	7701 A	20		NUT 6-32
1.00	PC	D	94012 A	21		LAMP-JACK
1.00	PC	D	94082 AA	22	S1	LAMP-RESISTANCE
2.00	PC	D	761052 B	23		PHSLT S MS.112X36X3/16
2.00	PC	D	760857 C	24		82FUHSLTMS.138-32X7/16
2.00	PC	D	17366 A	25		WHR-I T LCK.14X.28X.018
1.00	PC	D	762047 BM	26		PHSLT SMS .138-32X2-3/4
1.00	PC	GR	6181 B8	27	2	RELAY
1.00	PC	GR	8018 A2B	28	2	RELAY
1.00	PC	GR	6407 A6	29		RELAY
1.00	PC	GR	7238 A3	30		RELAY
1.00	PC	D	3690 A	31		POST-GUIDE
1.00	PC	D	3691 A	32		POST-GUIDE
3.00	PC	D	44864 A	33		INSULATOR
2.00	PC	D	762047 BD	34		PHSLT SMS .138-32X11/16
1.00	PC	FD	1029 DG	36		DIODE

ISSUE

007

DATE

4-23-69

SHEET TOTAL

1 OF 1

DESCRIPTION

REP EQPT

PART NUMBER

DH 610051 45A

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A

AUTOMATIC ELECTRIC COMPANY
NORTHLAKE, ILL., U. S. A.

APPROVED: C. M. HANCOCK JR. J.W.		SIZE		DH-610051-46	
DATE: 7-21-68		A		SHEET 1	
ISSUE: 2		TOTAL		1	
AUTOMATIC ELECTRIC COMPANY NORTLAKE, ILL., U.S.A. GENOA, ILL., U.S.A. WAUKESHA, WISC., U.S.A.					

2DH-610051-46 EMG. CHANGED PER DET. INF. ON C.O. F.H. C.S. 11-30-66	ISS: 2	ADDED ASSY. B.D. F.H. C.S. 11-30-66
4DH-610051-46 REG. RATED ASSY. D.M.F.B. DIS. M.D. I.D.B. G.M.H. 3-24-67	ISS: 3	
5DH-610051-46 EMG. REARRANGED RLYS. & LPS PER MT. INR PN C.O. & ENG MOD. PRINT R.C.S. A.Z. A.G. 4-10-67	ISS: 4	
5DH-610051-46 EMG. STPS OF ITEM 7 WAS "RET" R.C.S. A.Z. A.G. 4-10-67	ISS: 5	

MANUFACTURING NOTES:

- 1- FOR MFG. INF. SEE SPEC. 5296.
- 2- STAMP FUNCT. DESIGS. PER N. #3286 FIG. 1, 2, 3 & 4-B
- 3- FOR WIRING USE D-543299 PVC CL WIRE 24 AWG.
- 4- FOR LOCATING & WIRING OF RECT. SEE WRG. INSTS. USE D-543040 SLEEVING OVER EXPOSED PIGTAILS.

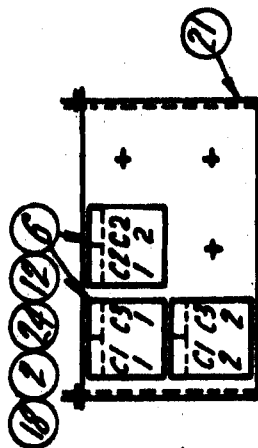


FIG. 2

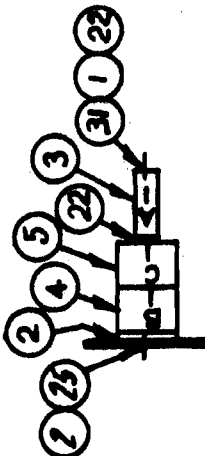


FIG. 3

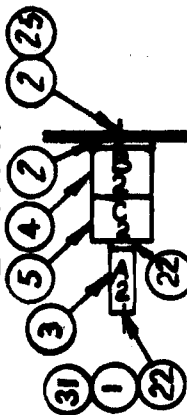


FIG. 4

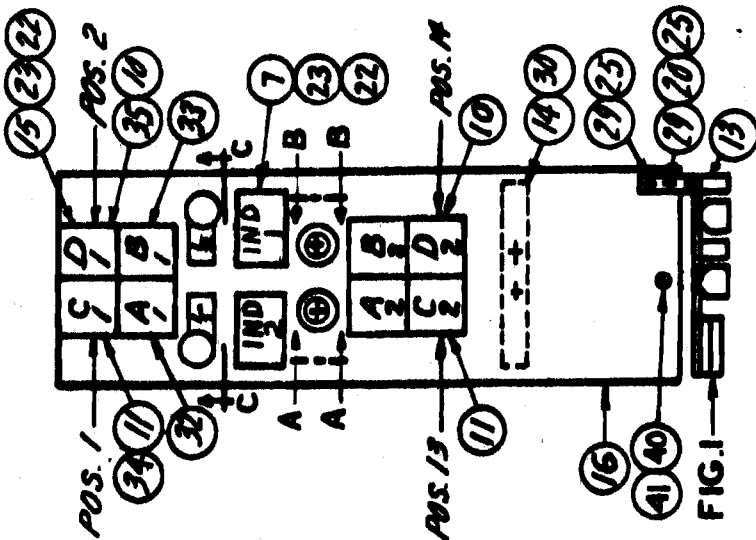


FIG. 5



FIG. 6

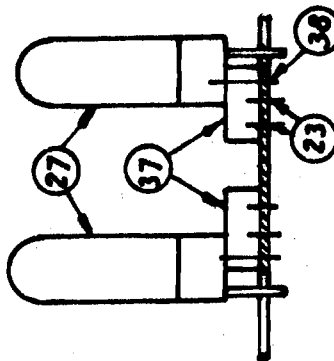


FIG. 7

INCOMING REPEATER EQUIPMENT

2 CATS. PER BASE
SERIES "SC-3" MFG.

N-610051	6	DH-610051-46B
N-610051	5A	DH-610051-46A
CAT	FIG	PART NO

MFG. DIS. →

ISS: 6	7DH-610051-46 EMG. VIEW, PDS. 7 & 8 WHERE "IND" & "RES" RES.P. T.S. J.B. G.M.H. 9-21-67
ISS: 7	8DH-610051-46 REG. INCKT COLUMN WAS FIG. 5. R.P. C.N. G.M.H. 1-23-68
ISS: 8	9DH-610051-46 EMG. SECT. A-A & B-B ITEM 3 WERE D-203149-A FIG. 2 DELETED ITEM 10 J.W. MK 2-22-68
ISS: 9	5DH-610051-40 REG. ADDED ITEM 40 & 41 T.S. W.M. G.M.H. 4-14-69
ISS: 10	7DH-610051-46 CLASS D DELETED TERM D-180039-N I.E.C. M.A. A.Z. 6-25-69
ISS: 11	

DH-610051-46

DRAWING STOCK LIST

AMT	U/M	PART NUMBER	ITEM	G/P	DESCRIPTION
2.00	PC	D 1724 A	1		WHR-PLAIN .149X.312X.032
8.00	PC	D 1742 A *	2		WHR-PLAIN .173X.438X.032
2.00	PC	D 284076 A16	3		RESISTOR 1K.5 W
2.00	PC	D 281222 A	4		RESISTOR 600 NI 1W
2.00	PC	D 281121 A	5		RESISTOR 300 NI 1W
6.00	PC	D 283065 A	6		RESISTOR 600..2W
2.00	PC	D 284280 A	7		COIL INDUCTOR
1.00	PC	D 320253 A	8		BUSY KEY
1.00	PC	D 320253 B	9		BUSY KEY
2.00	PC	D 3690 A	10		POST-GUIDE
2.00	PC	D 3691 A	11		POST-GUIDE
6.00	PC	D 44864 A	12		INSULATOR
1.00	PC	D 42393 F	13		JACK-TEST
1.00	PC	D 42725 C	14		JACK SW-24 PT
8.00	PC	D 44469 A	15		INSULATOR
1.00	PC	D 470265 B	16		BASE
1.00	PC	D 490029 P	17		COVER
3.00	PC	D 68562 A	18		CAPACITOR 161MF
2.00	PC	D 65484 A	19		SPACER
1.00	PC	D 73261 C	20		BRKT-BIASING
1.00	PC	D 731855 B	21		BRKT-ASSY
26.00	PC	D 75321 A	22		BUSHING
24.00	PC	D 760642 A	23		WHIMS 8-32X9/32
3.00	PC	D 7700 A *	24		HEX NUT 8-32
4.00	PC	D 7701 A	25		NUT 6-32
2.00	PC	D 94083 AA	27	S1	LAMP-RESISTANCE
2.00	PC	D 761052 J	28		PHSLT S MS.112-36X5/8
2.00	PC	D 762047 F	29		PHSLT SMS .138-32X7/16
2.00	PC	D 762047 BD	30		PHSLT SMS .138-32X11/16
2.00	PC	D 762047 BM	31		PHSLT SMS .138-32X2-3/4
2.00	PC	GR 6181 B8	32		RELAY
2.00	PC	GR 8018 A2B	33		RELAY
2.00	PC	GR 6407 A6	34		RELAY
2.00	PC	GR 7238 A3	35		RELAY
2.00	PC	H 56763 12	37		ADAPTER-LAMP
2.00	PC	D 762006 K	38		82FHSLTSMS.138-32X3/4
1.00	PC	FD 1029 DG	39		DIODE
1.00	PC	D 36074 A	40		POST
1.00	PC	D 17194 C	41		WHR-SPG LCK.14X.27X.040

ISSUE DATE SHEET TOTAL DESCRIPTION PART NUMBER
008 4-23-69 1 OF 1 INC REP EQPT DH 610051 46A

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A

AUTOMATIC ELECTRIC COMPANY
NORTHLAKE, ILL., U. S. A.

APP'D. P. 5000000000		DR. G. L. H.	SIZE	DH-610051-70-510	
H. 3-4A		CK. L. O.	A	SHEET	1
DATE: 6-17-68					
AUTOMATIC ELECTRIC COMPANY NORTH LAKE, ILL., U.S.A. GENOA, ILL., U.S.A. WAUKESHA, WISC., U.S.A. O					
ISSUE: 1					
3DH-610051-70A CLASS B REMOVED SECT. C-C M.M. I.M. L.O. 6-25-69					
ISS: 2					
3-DH-610051-70A CL. B REVISED SECT. A-A, ITEM 17 WAS D-660343-E E.R.H. A.P.L. G.M.H. 7-1-70					
ISS: 3					
100H-610051-45 CL. B UPDATED RLY MTG PARTS L.O. G.B.S. 1-3-73					
ISS: 4					

MANUFACTURING NOTES:

1-FOR MFG. INF. SEE SPEC. 5296.

2-STAMP FUNCT. DESIGNS PER H-43286 FIG. 1.7.28.32.48&59.

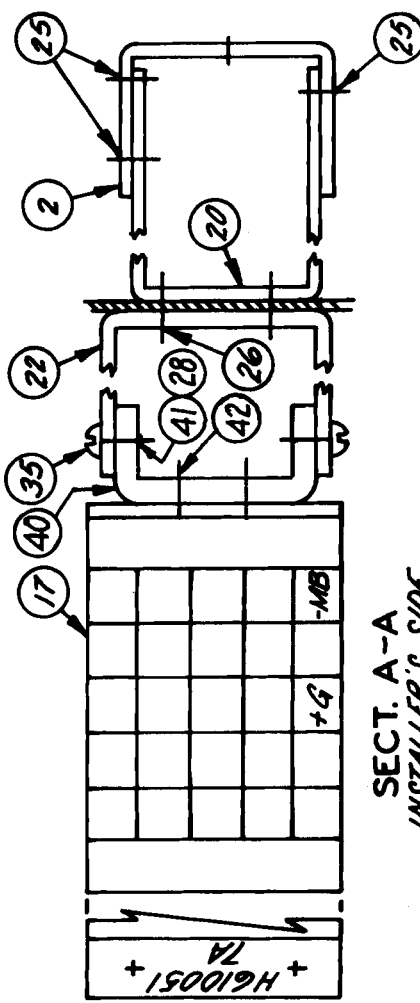
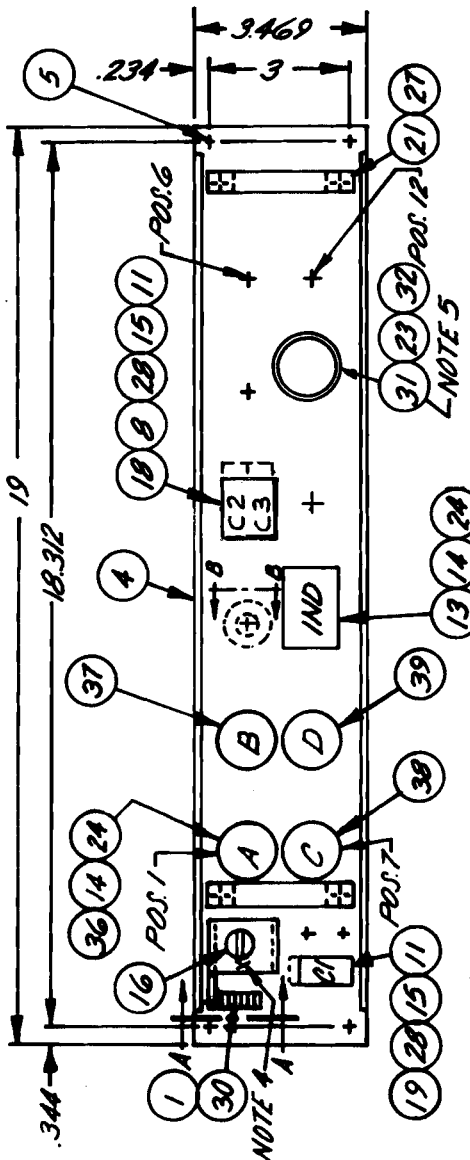
3-"N" ITEMS ARE NOT TO BE MTD. BY THE FACTORY.

4-"X" INDICATES LOCATION OF STAMPING OF TURN KEY DRG. NO. FOR REF. IN MTG.

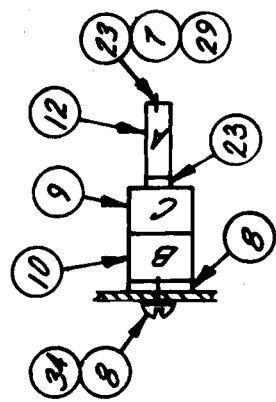
5-MOUNT LAMP SOC. PER H-47041-25 FIG. A & STAMP "1" ON SIDE OF SOCKET.

6-FOR WRG. USE D-543299 PVC. CL. WIRE 24 AWG.

7-FOR LOCATING AND WIRING OF RECT. SEE WRG. INST. USE D-543040 SLEEVING OVER EXPOSED PIGTAILS.



SECT. A-A
INSTALLER'S SIDE



SECT. B-B

**INCOMING REPEATER
EQUIPMENT**

SERIES "RA" MTG.

H-610051	7A	DH-610051-70A
CKT.	FIG.	PART NO.

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DH-610051-70

DRAWING STOCK LIST

AMOUNT	U/M	PART NUMBER				ITEM	G/P	DESCRIPTION
		PRF	BASE	SUFFIX	ISSUE			
1.00	PC	H	885244	6		1		YST JK
1.00	PC	H	885854	4		2		PANEL BK
1.00	PC	H	885901	4		3		FRONT COVER
1.00	PC	H	886258	2B		4		MOUNTING STRIP
1.00	PC	H	886281	2		5	S1	SI MOUNTING PARTS
1.00	PC	D	1724	A		7		WHR-PLAIN .149X.312X.032
3.00	PC	D	1742	A		8		WHR-PLAIN .173X.438X.032
1.00	PC	C	281121	A		9		RESISTOR 500 NI 1W
1.00	PC	D	281222	A		10		RESISTOR 600 NI 1W
3.00	PC	D	283065	A		11		RESISTOR 600.2W
1.00	PC	D	284076	A16		12		RESISTOR 1K.5 W
1.00	PC	D	284280	A		13		COIL INDUCTOR
5.00	PC	C	44469	A		14		INSULATOR
3.00	PC	D	44864	A		15		INSULATOR
1.00	PC	D	59311	T		16		TURN KEY
1.00	PC	D	660435	E		17		TERM BLK ASSY-5X5
1.00	PC	D	68562	A		18		CAPACITOR 161MF
1.00	PC	D	68563	A		19		CAPACITOR 1MF
1.00	PC	D	731988	A		20		BRKT
2.00	PC	D	731993	B		21		COVER GUIDE
1.00	PC	D	732010	A		22		BRACKET
4.00	PC	C	75321	A		23		BUSHING
10.00	PC	D	761072	A		24		SCR&BUSH ASSY
3.00	PC	D	760878	A		25		SPL HHMS 8-32
2.00	PC	D	760934	A		26		RHSMS W/WSS.164-32X3/8
4.00	PC	D	760985	A		27		RHSMS W/WHS.164-32X1/4
4.00	PC	C	7700	A		28		NUT HEX 8-32X5/16
1.00	PC	D	7701	A		29		NUT HEX 6-32X5/16
2.00	PC	D	77358	A		30		NUT 4-36
1.00	PC	D	94012	A		31		LAMP-JACK
1.00	PC	D	94062	AA		32	S1	LAMP-RESISTANCE
1.00	PC	FC	1029	DG		33		DIODE
1.00	PC	C	762047	BM		34		PHSLT SMS .138-32X2-3/4
2.00	PC	C	761056	F		35		PHSLT S MS.164-32X1/2
1.00	PC	GF	50284	A3		36		RLY-HORIZ
1.00	PC	GR	8018	A2B		37		RELAY
1.00	PC	GR	8616	A1B		38		RLY-HORIZ
1.00	PC	GR	7238	A3		39		RELAY
1.00	PC	D	732281	A		40		BRACKET
2.00	PC	C	17195	E		41		WASHER LOCK F/8 SCREW
2.00	PC	D	762047	E		42		PHSLT SMS .138-32X3/8

DATE	SHEET TOTAL	DESCRIPTION	PART NUMBER			ISSUE
			PRF	BASE	SUFFIX	
1-16-73	1 OF 1	INCOMING REPEATER	CH	610051	70A	005

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