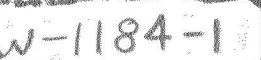
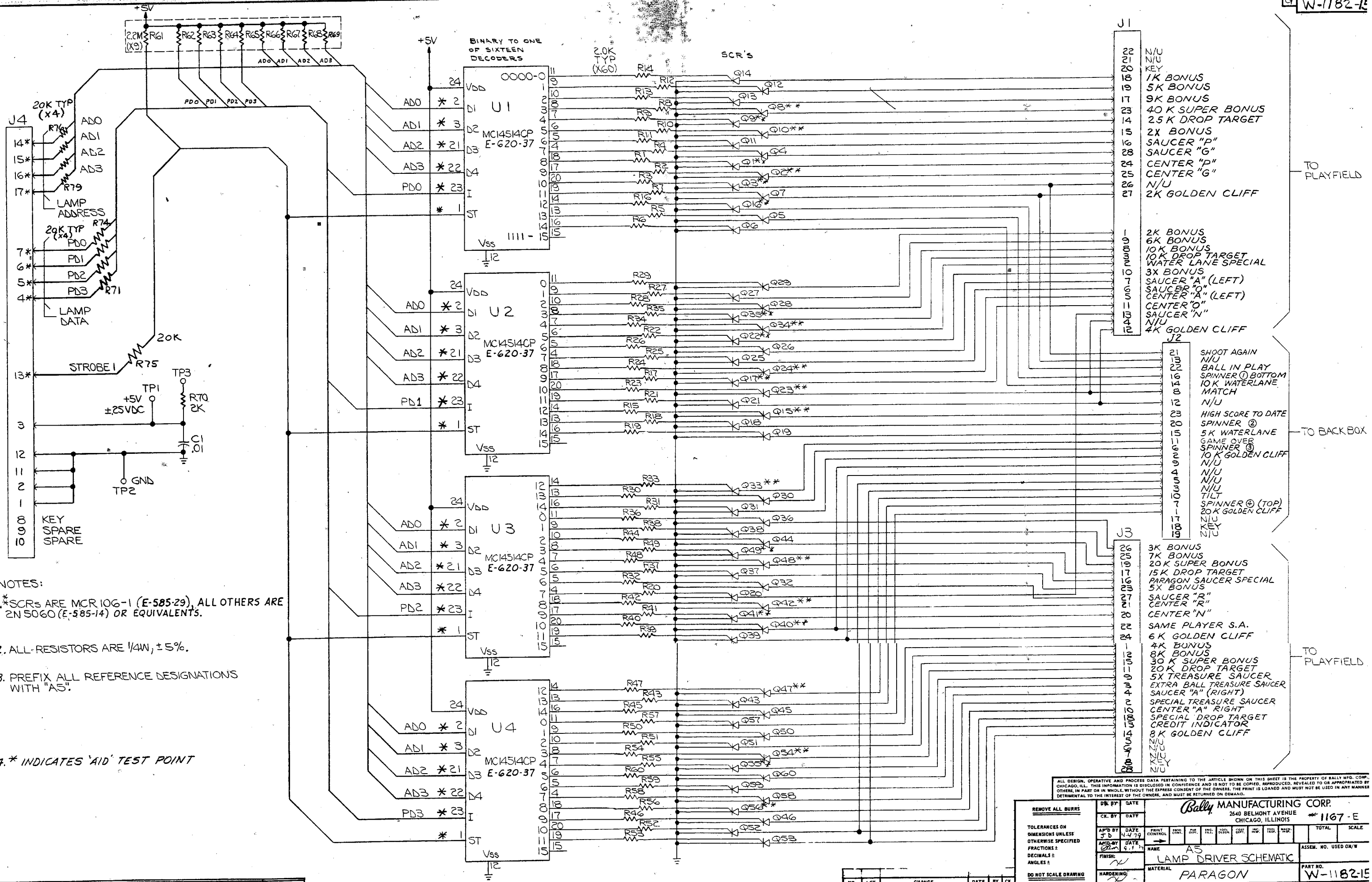


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[illegible]





- NOTES:
- 1. *SCR'S ARE MCR 106-1 (E-585-29), ALL OTHERS ARE 2N5060 (E-585-14) OR EQUIVALENTS.
 - 2. ALL RESISTORS ARE 1/4W, ±5%.
 - 3. PREFIX ALL REFERENCE DESIGNATIONS WITH "A5".
 - 4. * INDICATES 'AID' TEST POINT

ALL DESIGN, OPERATIVE AND PROCESS DATA PERTAINING TO THE ARTICLE SHOWN ON THIS SHEET IS THE PROPERTY OF BALLY MFG. CORP., CHICAGO, ILL. THIS INFORMATION IS DISCLOSED IN CONFIDENCE AND IS NOT TO BE COPIED, REPRODUCED, REVEALED TO OR APPROPRIATED BY OTHERS, IN PART OR IN WHOLE, WITHOUT THE EXPRESS CONSENT OF THE OWNERS. THE PRINT IS LOANED AND MUST NOT BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF THE OWNERS, AND MUST BE RETURNED ON DEMAND.

Bally MANUFACTURING CORP.
2640 BELMONT AVENUE
CHICAGO, ILLINOIS #1167-E

NO.	LET.	CHANGE	DATE	BY	CHK.
1					
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60					

REMOVE ALL BURRS

TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED

FRACTIONS ±

DECIMALS ±

ANGLES ±

DO NOT SCALE DRAWING

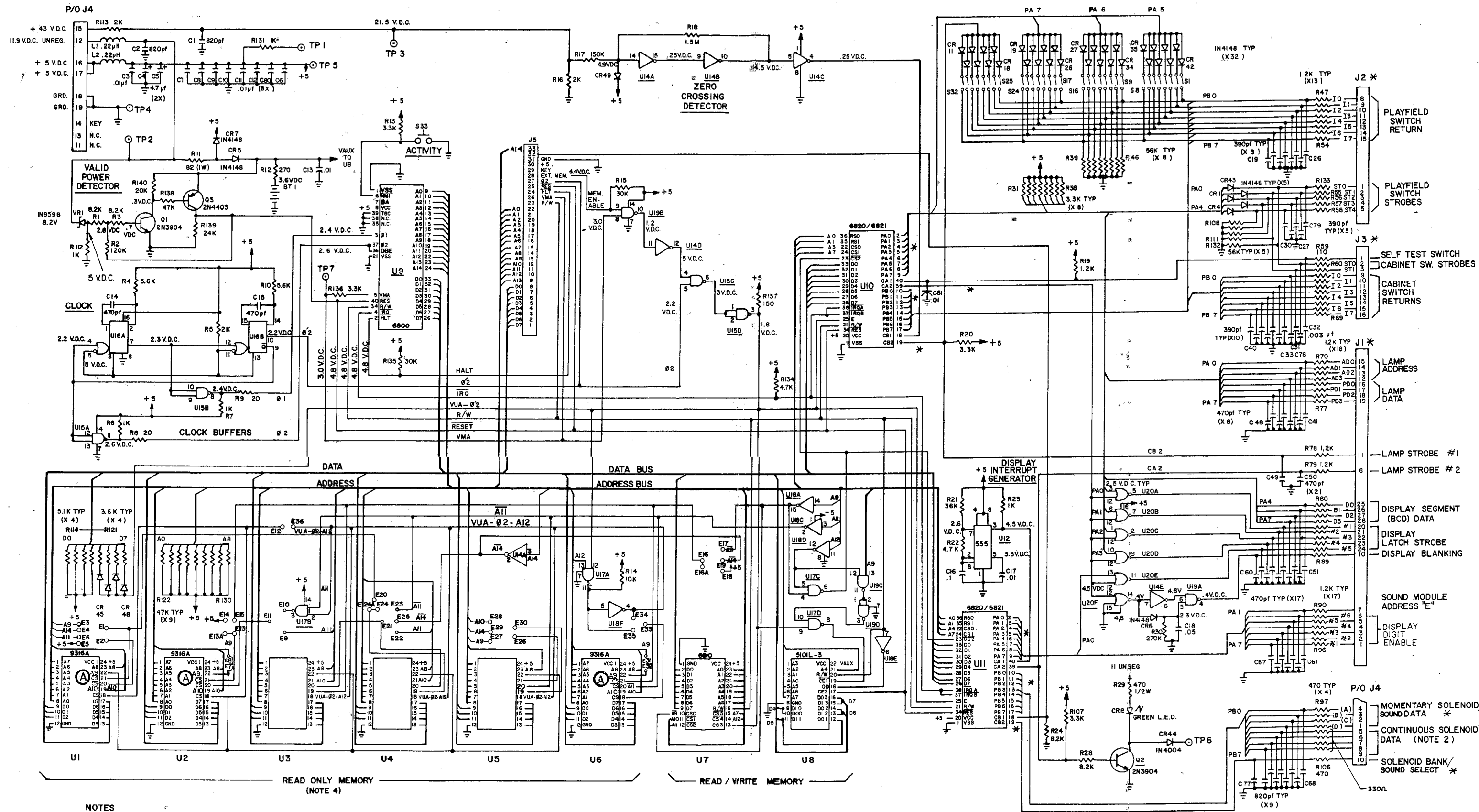
DATE 4-4-79

NAME A5

MATERIAL PARAGON

ASSEMBLY NO. USED ON/W

PART NO. W-1182-15



ALL DESIGN, OPERATIVE AND PROCESS DATA PERTAINING TO THE ARTICLE SHOWN ON THIS SHEET IS THE PROPERTY OF BALLY MFG. CORP., CHICAGO, ILL. THIS INFORMATION IS DISCLOSED IN CONFIDENCE AND IS NOT TO BE COPIED, REPRODUCED, REVEALED TO OR APPROPRIATED BY OTHERS, IN PART OR IN WHOLE, WITHOUT THE EXPRESS CONSENT OF THE OWNERS. THE PRINT IS LOANED AND MUST NOT BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF THE OWNERS, AND MUST BE RETURNED ON DEMAND.

BALLY MANUFACTURING CORP.		1119-E	
2640 BELMONT AVENUE CHICAGO, ILLINOIS			
DR. BY	DATE	REV.	DATE
CR. BY	DATE	REV.	DATE
APP. BY	DATE	REV.	DATE
FINISH	DATE	REV.	DATE
NAME		M.P.U. CONTROL BOARD SCHEMATIC	
MATERIAL		ASSEMB. NO. USED ON W	
HARDENING		PART NO.	
		W-1181-3c	

REMOVE ALL BURRS

TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED

FRACTIONS - 1/64

DECIMALS - .005

ANGLES - °

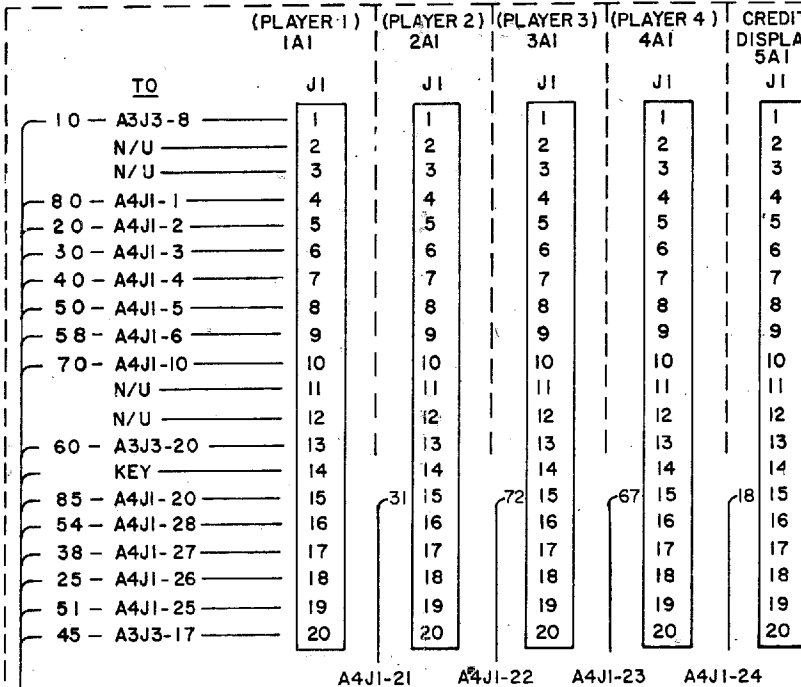
DO NOT SCALE DRAWING

TABLE A AIJ2

FROM	PIN	WIRE
A2J3-6	1	20
A5J2-14	2	12
A2J3-2	3	50
A2J3-11	4	10
A5J2-23	5	97
A5J2-15	6	32
A5J2-22	7	62
A5J2-8	8	93
A5J2-1	9	60
A5J2-2	10	20
A5J2-11	11	95
A5J2-21	12	47
A5J2-10	13	98
A5J2-6	14	91
A5J2-20	15	85
A5J2-16	16	35
A5J2-17	17	34
A2J3-1	18	40
A2J3-10	19	70
A5J2-13	20	53
A5J2-12	21	61
A5J2-4	22	72
A5J2-3	23	84
	24	

INSERT TO BACK CAB.
PLUG

AI INSERT



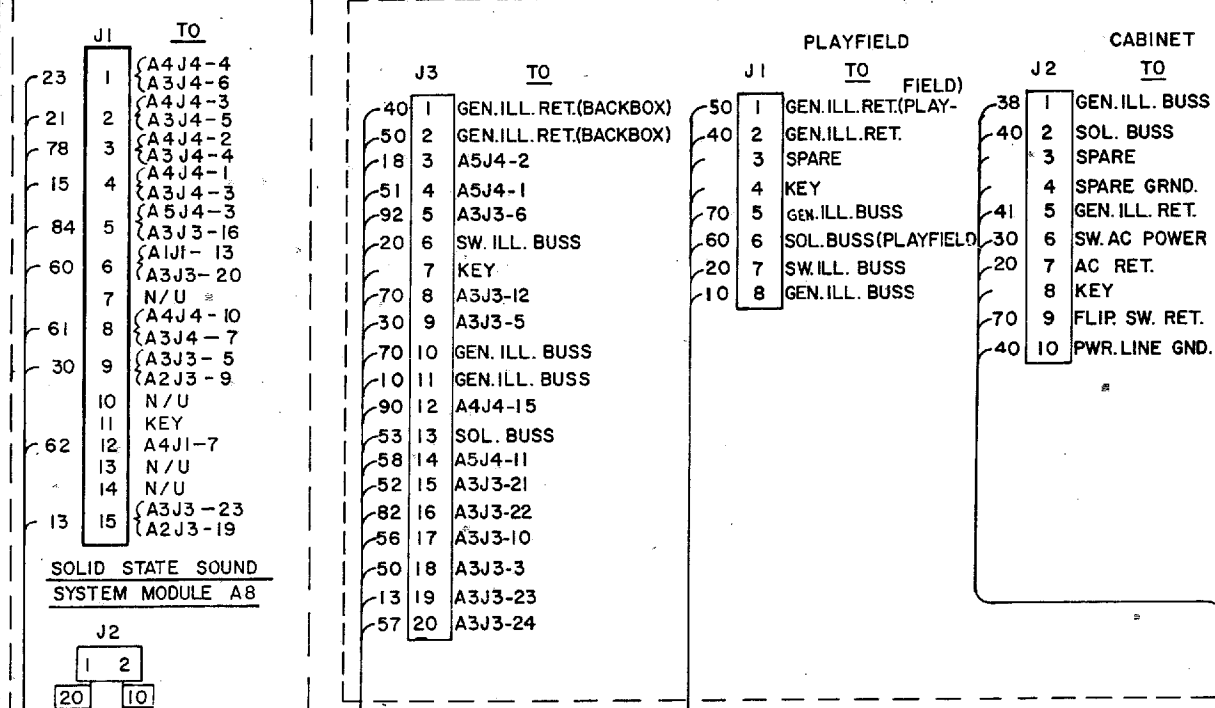
AIJ2
SEE
TABLE A

SEE
TABLE
B

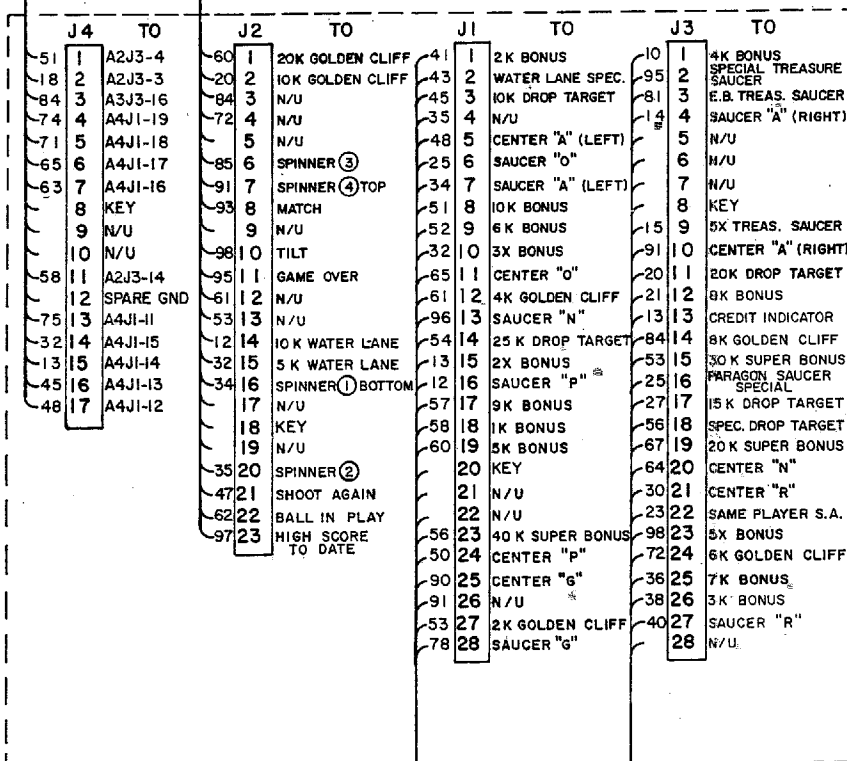
TO PLAY FIELD (W-1192-11)

A2 TRANSFORMER

W-1187-11

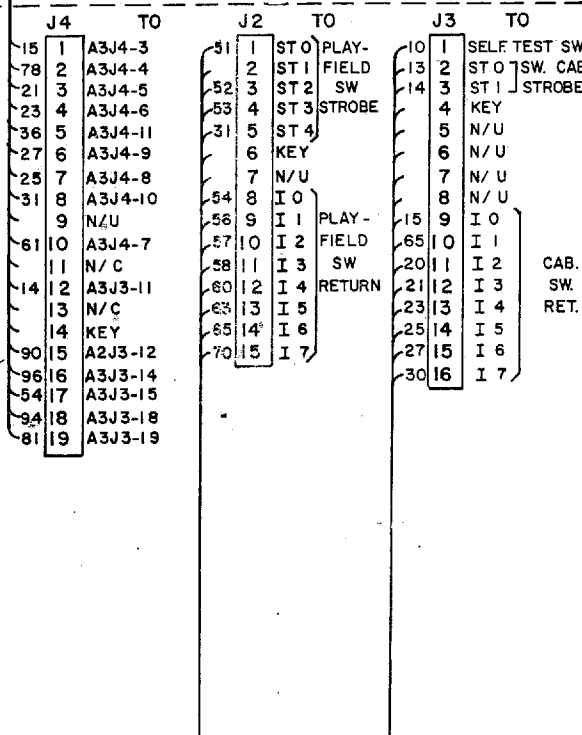


LAMP DRIVER A5

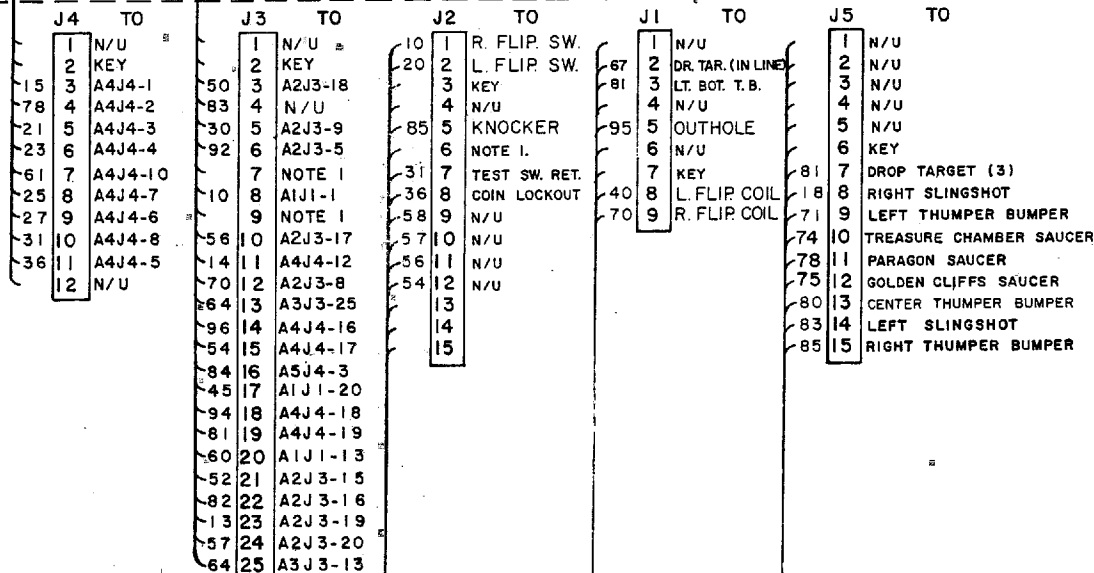


TEST
C
O
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MPU A4



VOLTAGE REGULATOR / SOLENOID DRIVER A3



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REMOVE ALL BURRS

TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED

FRACTIONS - 1/64

DECIMALS - .005

ANGLES - °

DO NOT SCALE DRAWING

DR. BY	DATE	Bally MANUFACTURING CORP. 2640 BELMONT AVENUE CHICAGO, ILLINOIS	#1167-E
CK. BY	DATE		
AP'D BY	DATE	NAME	TOTAL
AP'D BY	DATE	NAME	SCALE
FINISH		PLUG CONNECTORS	
HARDENING		MATERIAL	
		PARAGON	
		PART NO.	
		W-1187-1	

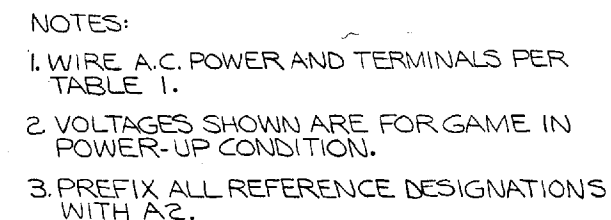
NOTES

1. THESE PINS ARE RESERVED FOR FUTURE USE.
2. WIRE COLORS ARE SHOWN FOR ALL CONNECTOR PINS, SOME WIRES MAY NOT BE USED IN ALL GAMES.
3. * INDICATES AID TEST POINT.

FROM	TO	WIRE
A5J2-14	1	12
A5J2-2	2	20
A5J2-15	3	32
A5J2-16	4	34
A5J2-20	5	35
A5J2-1	6	60
A5J2-6	7	85
A5J2-7	8	91

PANEL TO BACK CAB. PLUG

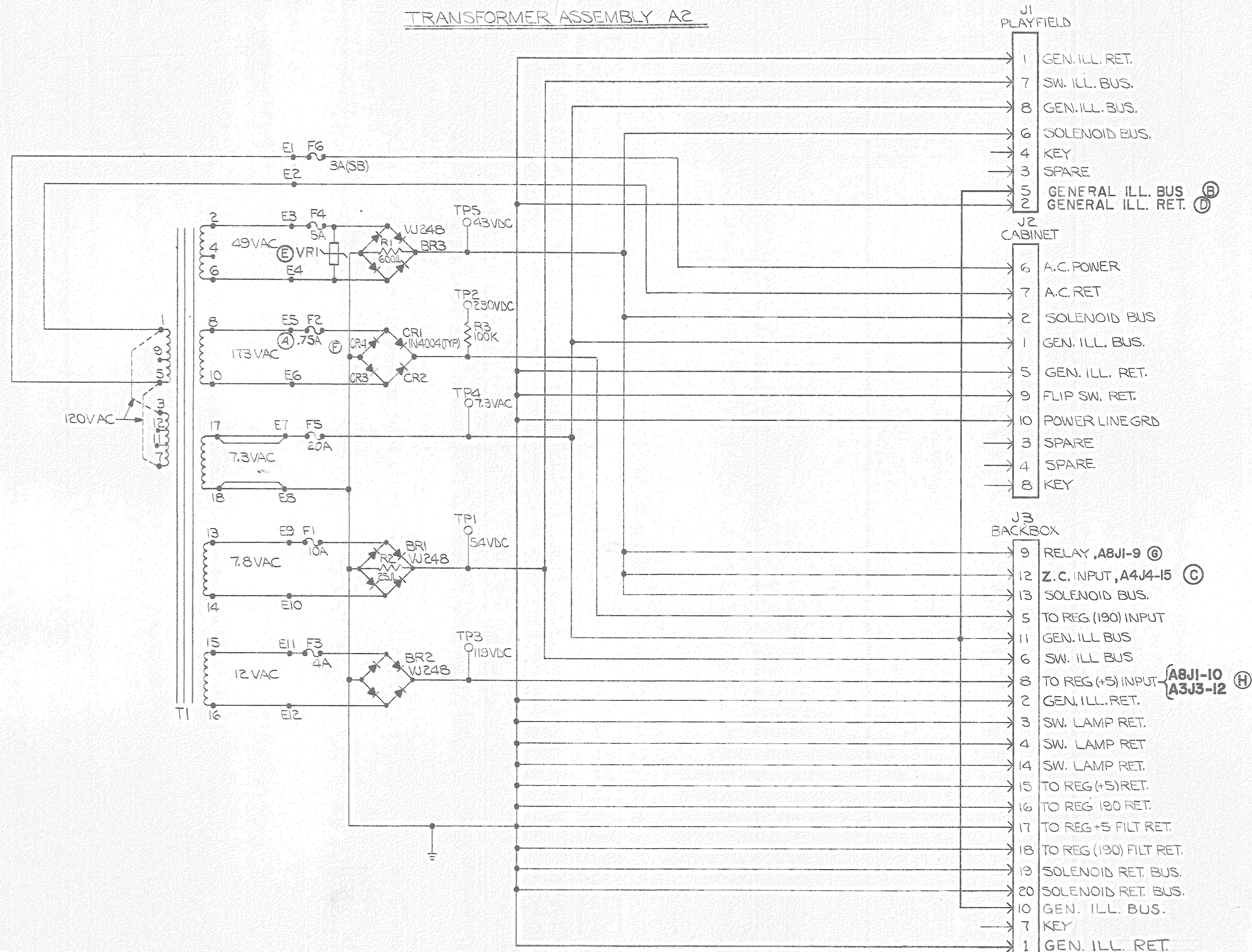
WIRE COLOR CODE	
1-RED	6-BROWN
2-BLUE	7-ORANGE
3-YELLOW	8-BLACK
4-GREEN	9-GRAY
5-WHITE	0-NO TRACE

DIE SIZE — C.C. — FT. PER M — LBS. PER M —

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REMOVE ALL BURRS		DATE 8-7-72		Bally MANUFACTURING CORP.											
TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED		DATE FEB 21 1977		2640 BELMONT AVENUE CHICAGO, ILLINOIS * 1074 -E											
FRACTIONS ±		APD BY	DATE	PRINT CONTROL	PROD. ENG.	DES. DEPT.	INT. DEPT.	TECH. DEPT.	EDT. DEPT.	INC. DEPT.	TOOL DEPT.	WASH. DEPT.	TOTAL	SCALE	
DECIMALS ±		APD BY HTE	DATE 2/21/77	NAME POWER TRANSFORMER MODULE SCHEMATIC										ASSEM. NO. USED ON/W	SCALE N
ANGLES ±		PENDING		MATERIAL										PART NO. W-1185-1c	
DO NOT SCALE DRAWING		HARDENING													

TRANSFORMER ASSEMBLY A2



- NOTES:
1. WIRE A.C. POWER AND TERMINALS PER TABLE 1.
 2. VOLTAGES SHOWN ARE FOR GAME IN POWER-UP CONDITION.
 3. PREFIX ALL REFERENCE DESIGNATIONS WITH A2.

LINE VOLTAGE VRMS A.C.	STRAP TERMINALS	APPLY POWER TO TERMINALS
115	1T03 AND 5T011	1 AND 9
120	1T03 AND 5T07	1 AND 5
220	3T05	1 AND 12
240	3T05	1 AND 7

DIE SIZE — C.C. — FT. PER M — LBS. PER M —

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6	H	ADDED A8J1-10, A3J3-12	10-179	E.V.	J.D.
5	G	ADDED A8J1-9	9-1279	E.V.	J.D.
4	F	ERASED (68)	12-478		J.D.
3	E	VERI READ R3	11-278	NR	J.D.
2	D	J1-2 READ "GND"			
2	C	J3-12 READ "Z.C. INPUT"			
1	B	Added Jumper J1-5 to J3-1			
1	A	F2 WAS 5.0A			
NO.	LET.	CHANGE	DATE	BY	CK.

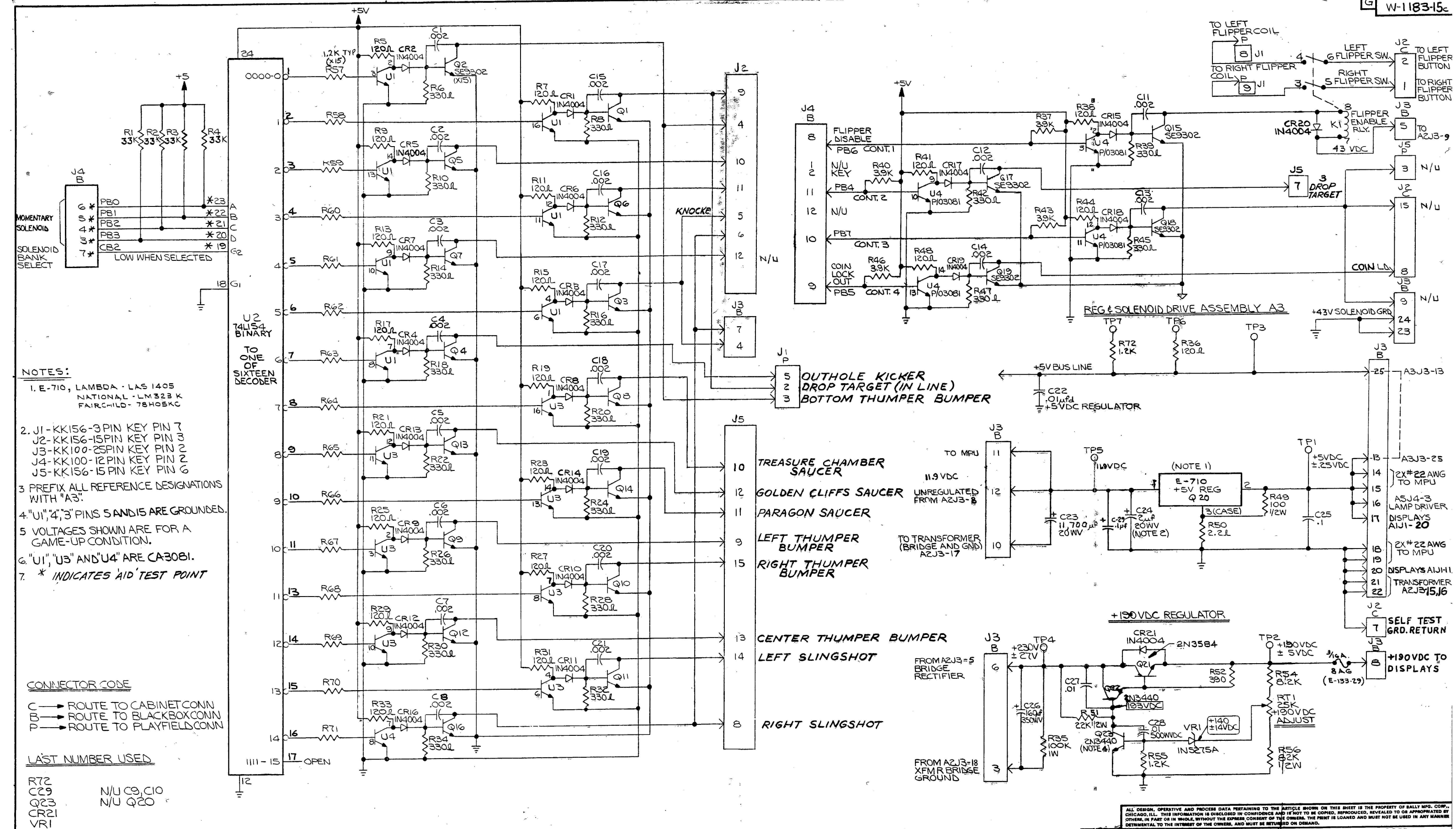
REMOVE ALL BURRS

TOLERANCES ON
DIMENSIONS UNLESS
OTHERWISE SPECIFIED
FRACTIONS ±
DECIMALS ±
ANGLES ±

DO NOT SCALE DRAWING

DR. BY C.S.D.	DATE 9-76	Bally MANUFACTURING CORP. 2640 BELMONT AVENUE CHICAGO, ILLINOIS		1074 -E
AP'D BY J.D.	DATE 2-11-77	PRINT CONTROL	PROD. CONT.	FIN. CONT.
FINISH: X	DATE 2/11/77	NAME POWER TRANSFORMER MODULE SCHEMATIC		ASSEM. NO. USED ON/W
HARDENING: X		MATERIAL		PART NO. W-1185-1c

OPER.	DEPT.	DESCRIPTION	TOOL No.
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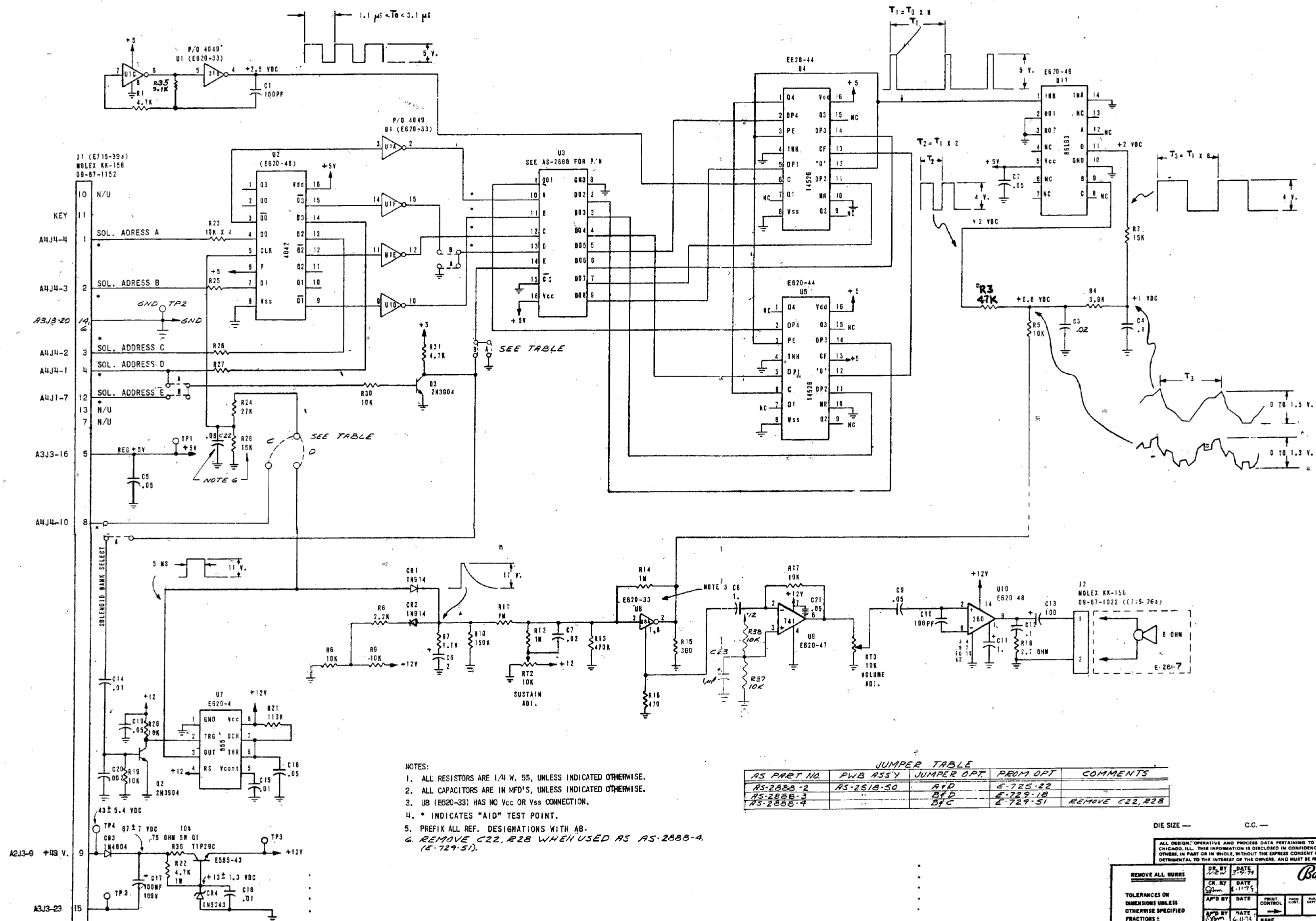


ALL DESIGN, OPERATIVE AND PROCESS DATA PERTAINING TO THE ARTICLE SHOWN ON THIS SHEET IS THE PROPERTY OF BALLY MFG. CORP., CHICAGO, ILL. THIS INFORMATION IS DISCLOSED IN CONFIDENCE AND IS NOT TO BE COPIED, REPRODUCED, REVEALED TO OR APPROPRIATED BY OTHERS, IN PART OR IN WHOLE, WITHOUT THE EXPRESS CONSENT OF THE OWNERS. THE PRINT IS LOANED AND MUST NOT BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF THE OWNERS, AND MUST BE RETURNED ON DEMAND.

<u>REMOVE ALL BURS</u> <u>AND CR.</u>	DR. BY _____ DATE _____	Bally MANUFACTURING CORP.									
	CR. BY _____ DATE _____	2640 BELMONT AVENUE CHICAGO, ILLINOIS #1167-E									
TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED FINISHES ± UNLESS ±	APD BY J.D. DATE 4-7-79	PRINT CONTROL	PROD. CONT.	INS. GPT.	MIL. KLE	TOOL DESK.	CERT. FILE	INS. TOST.	MACH. FILE	TOTAL	SCALE
	APD BY G.M. DATE 4-7-79										ASSEN. NO., USED ON/W
DO NOT SCALE DRAWING	FORNISE ✓	NAME SOLENOID DRIVER VOLTAGE REGULATOR SCHEMATIC									
	HARDWARE ✓	MATERIAL PARAGON									
		PART NO. W-1183-15									

OPER.	DEPT.	DESCRIPTION	TOOL No.
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NO.	LET.	CHANGE	DATE	BY	CL.
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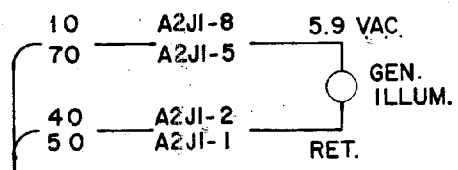
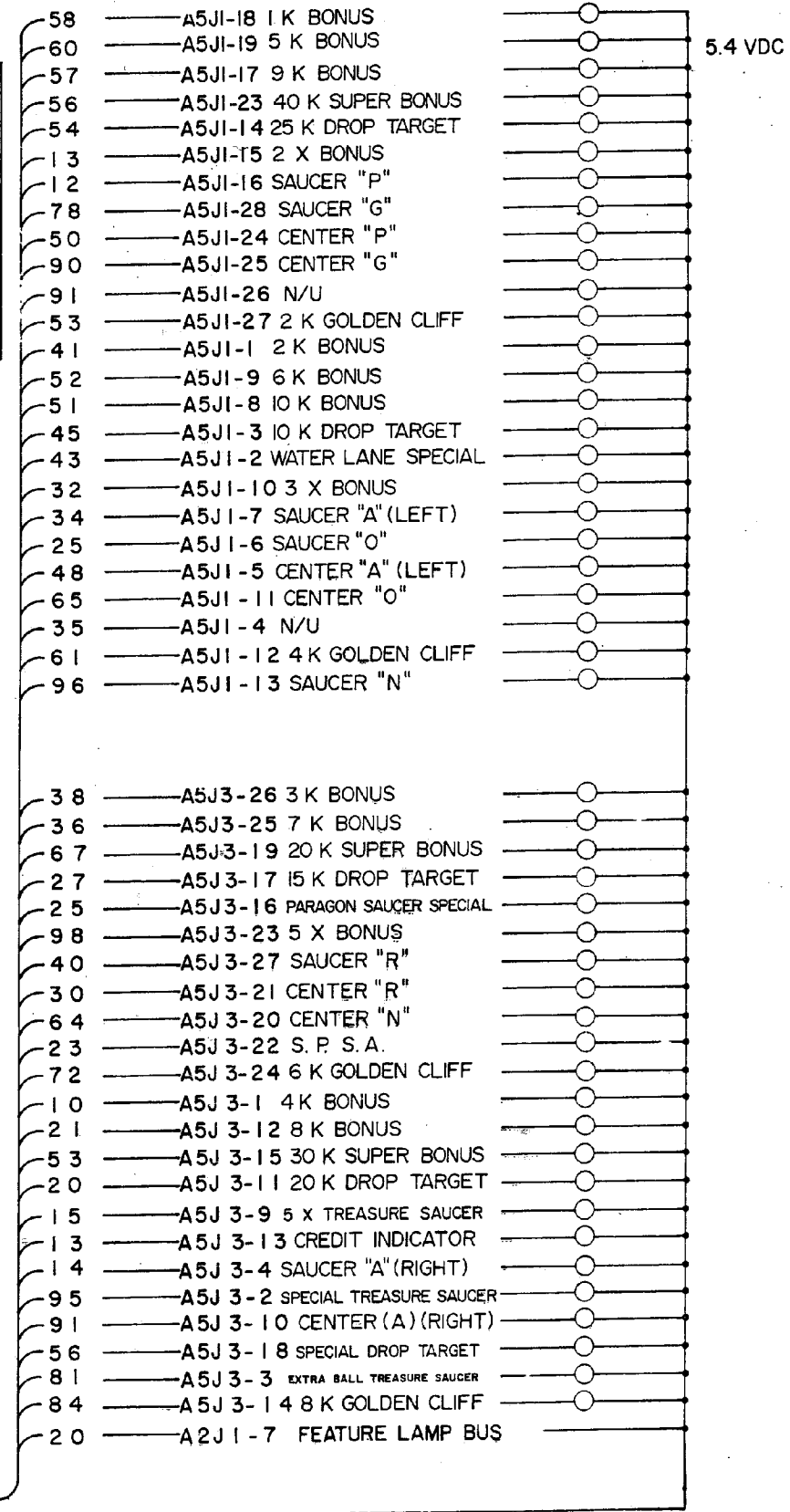
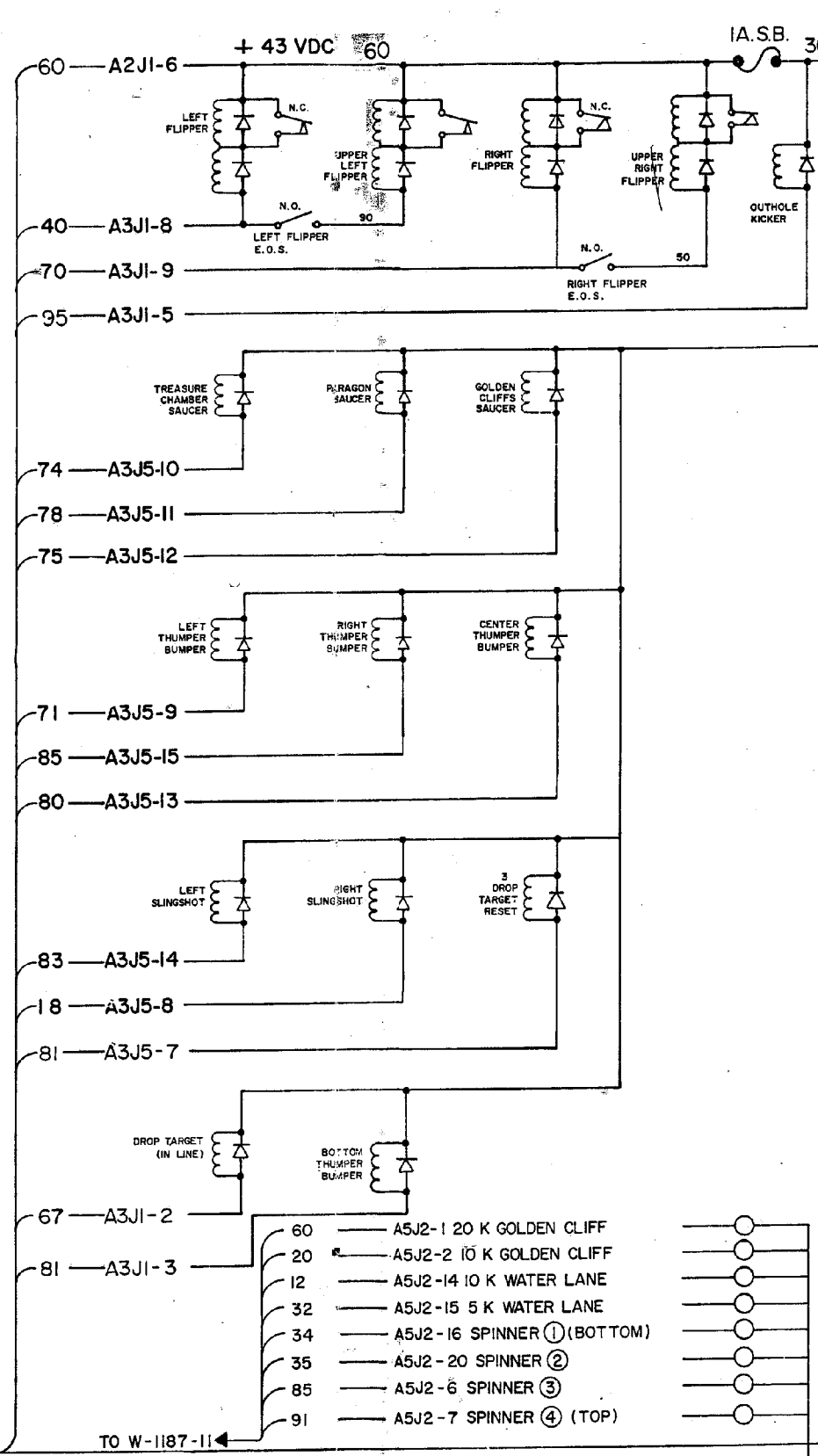
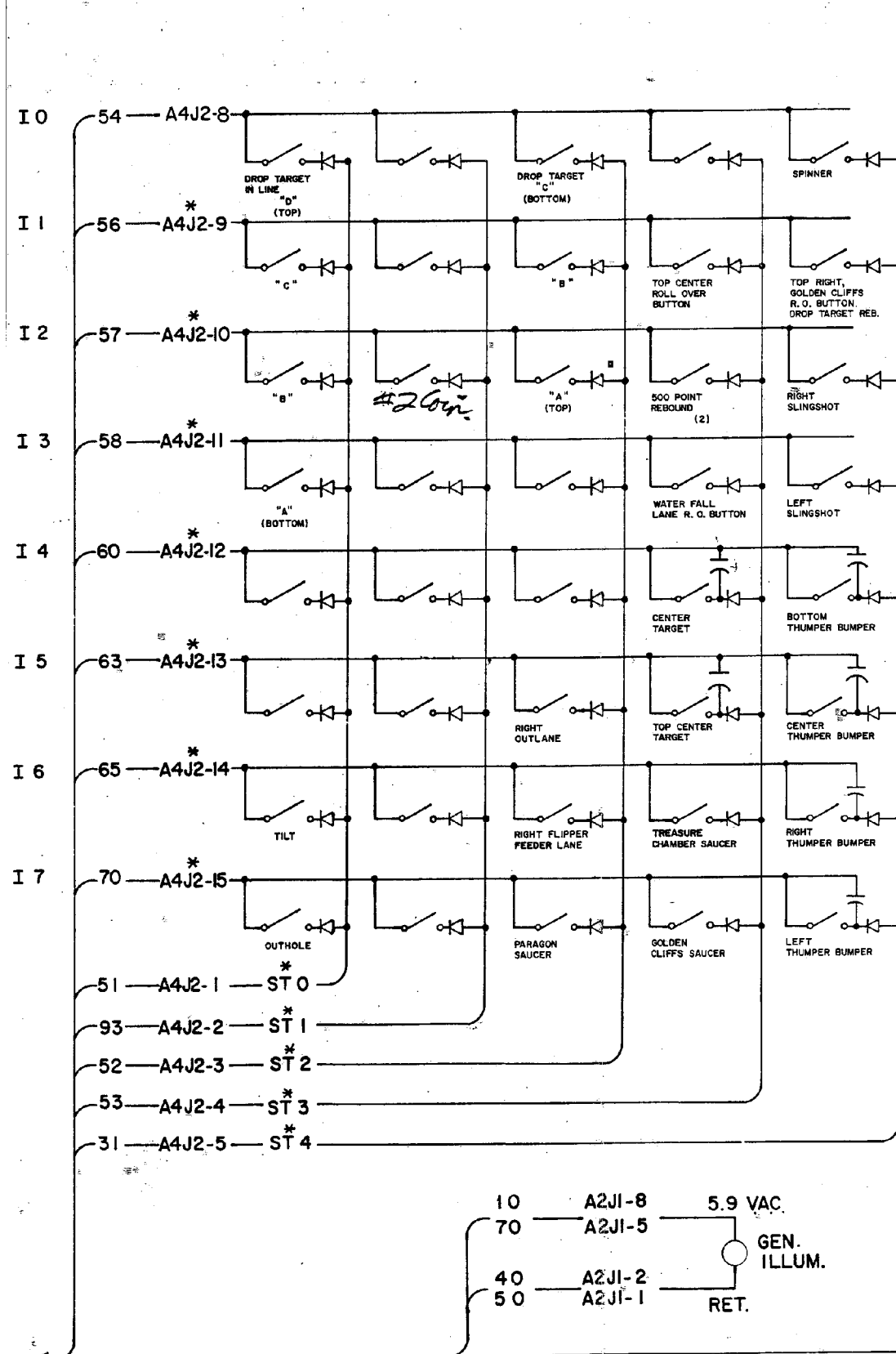
AS PART NO.	PWB ASS'Y	JUMPER OPT.	PRGM OPT	COMMENTS
AS-2888-2	AS-2S18-50	A/D	E-725-22	
AS-2888-3	"	B/D	E-729-18	
AS-2888-4	"	B/C	E-729-51	REMOVE C22, R22

DIE SIZE — C.C. — FT. PER M — LBS. PER M —

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<u>REMOVE ALL BURS</u> TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED FRACTIONS ± DECIMALS ± <u>DO NOT SCALE DRAWING</u>	DR. BY <i>WJS</i> DATE <i>3-20-79</i> CR. BY <i>WJS</i> DATE <i>3-11-79</i> AP'D BY DATE AP'D BY <i>WJS</i> DATE <i>3-11-79</i> FINISH: HARDENING:	<i>Bally</i> MANUFACTURING CORP. 2640 BELMONT AVENUE CHICAGO, ILLINOIS <i>1167-E</i> <table border="1"> <tr> <td>PRINT CONTROL</td> <td>PROD. CONT.</td> <td>MFG. DEPT.</td> <td>ENG. FALL.</td> <td>TOOL DESIGN</td> <td>COST DEPT.</td> <td>MAT. SUP.</td> <td>TECH. SUP.</td> <td>MACH. SUP.</td> <td>TOTAL</td> <td>SCALE</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										PRINT CONTROL	PROD. CONT.	MFG. DEPT.	ENG. FALL.	TOOL DESIGN	COST DEPT.	MAT. SUP.	TECH. SUP.	MACH. SUP.	TOTAL	SCALE											
	PRINT CONTROL	PROD. CONT.	MFG. DEPT.	ENG. FALL.	TOOL DESIGN	COST DEPT.	MAT. SUP.	TECH. SUP.	MACH. SUP.	TOTAL	SCALE																						
	NAME SOLID STATE SOUND MODULE A8 MATERIAL										ASSEM. NO. USED ON/W AS-2518-50 PART NO. W-1193-1																						
CH																																	

NO.	LET.	CHANGE	DATE	BY	C
-----	------	--------	------	----	---

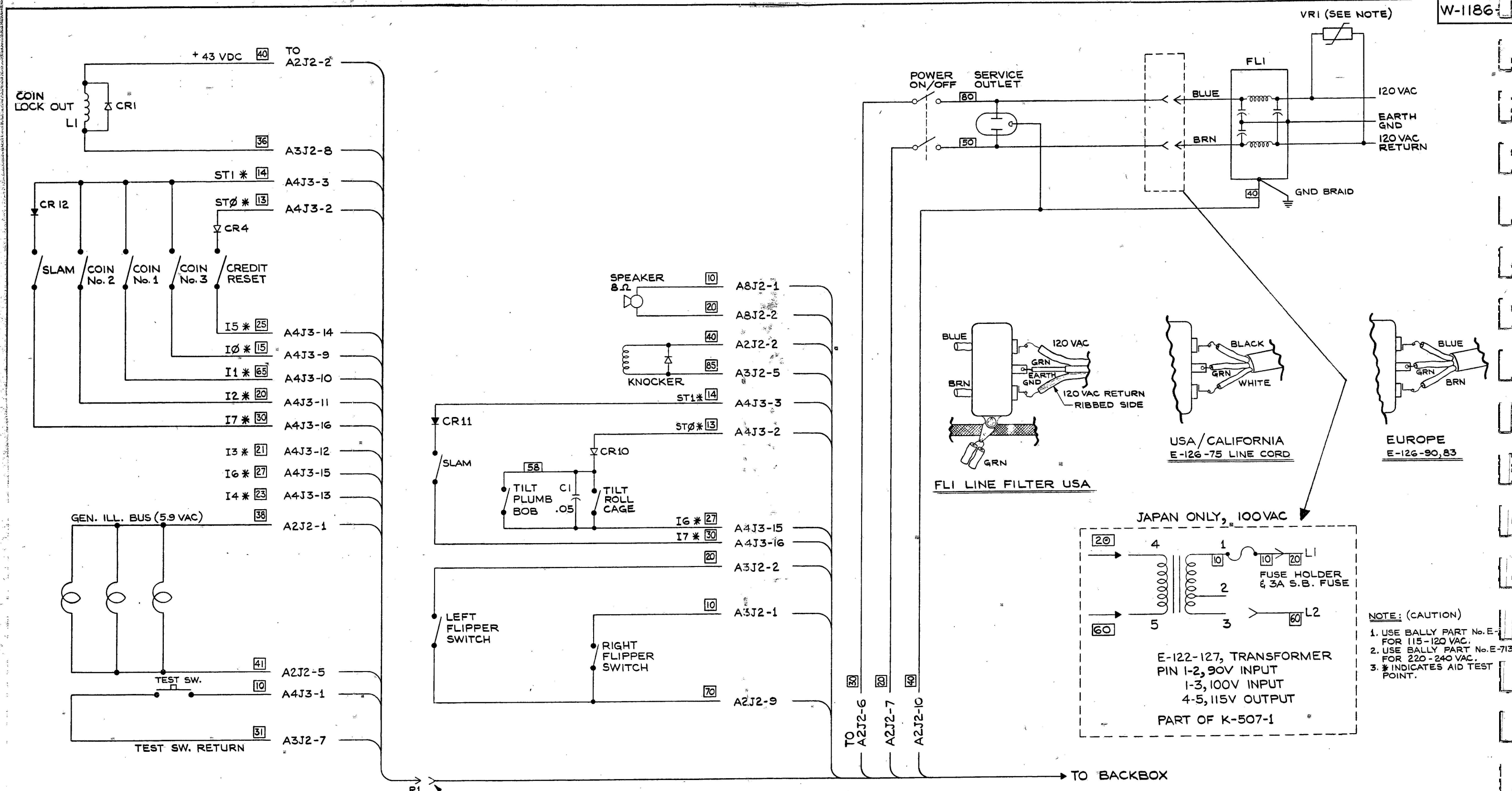


PLAYFIELD A6

NOTES

1. INDICATES NOT USED
2. N/U = NOT USED ON PLAYFIELD
3. * INDICATES AID TEST POINT
4. ALL DIODES ARE 1N4004 (E-587-6)
ALL CAPACITORS ARE .05 MFD. (E-586-80)

REMOVE ALL BURRS TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED FRACTIONS - 1/64 DECIMALS - .005 ANGLES - 1° DO NOT SCALE DRAWING				DR. BY DATE CK. BY DATE AP'D BY DATE FINISH HARDENING				Bally MANUFACTURING CORP. 2640 BELMONT AVENUE CHICAGO, ILLINOIS # 1167-E ASSEMBLY NO. USED ON PART NO. W-1192-1			
LET CHANGE DATE BY CK.				NAME SWITCH MATRIX MATERIAL PARAGON				TOTAL SCALE			



OPER.	DESCRIPTION	TOOL No.
6		
5		
4		
3		
2		
1		

TO	J1 PIN	TO	J1 PIN
A4J3-9	1	A4J3-3	11
A4J3-10	2	A2J2-2	15
A4J3-11	3	A3J2-8	16
A4J3-12	4	A2J2-1	17
A4J3-13	5	A2J2-5	18
A4J3-14	6	A4J3-1	19
A4J3-15	7	A3J2-7	20
A4J3-16	8		
A4J3-2	10		

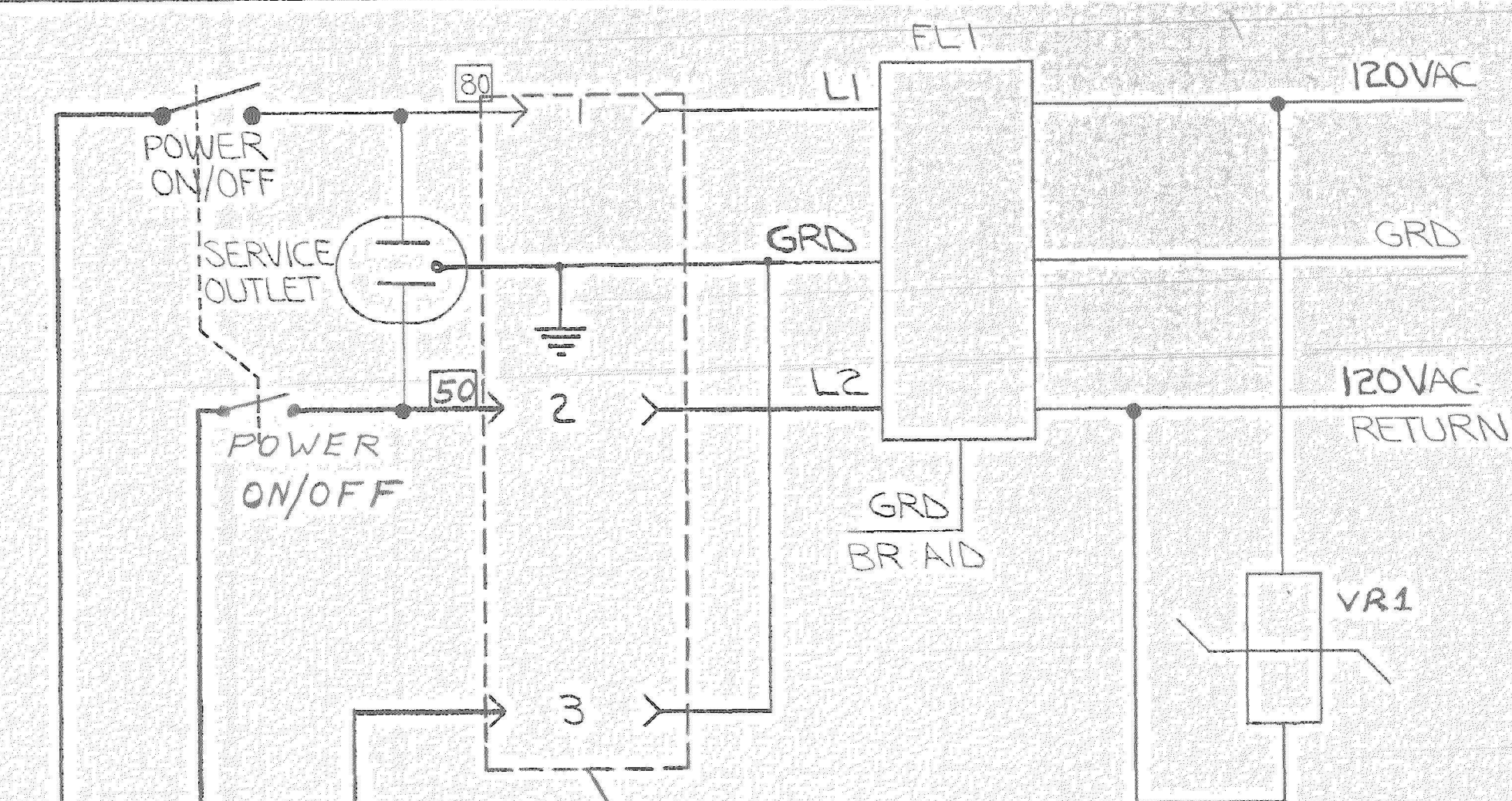
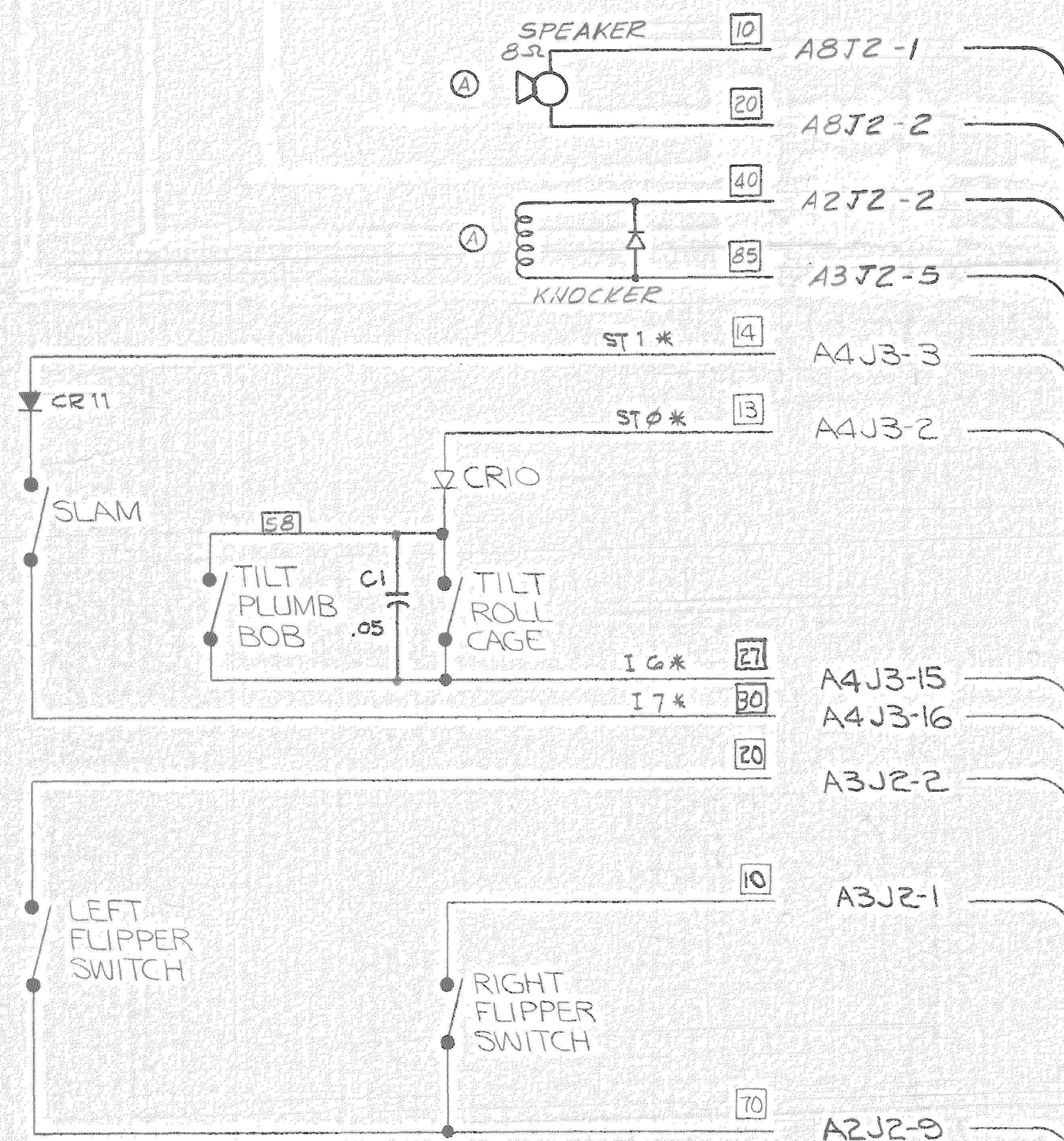
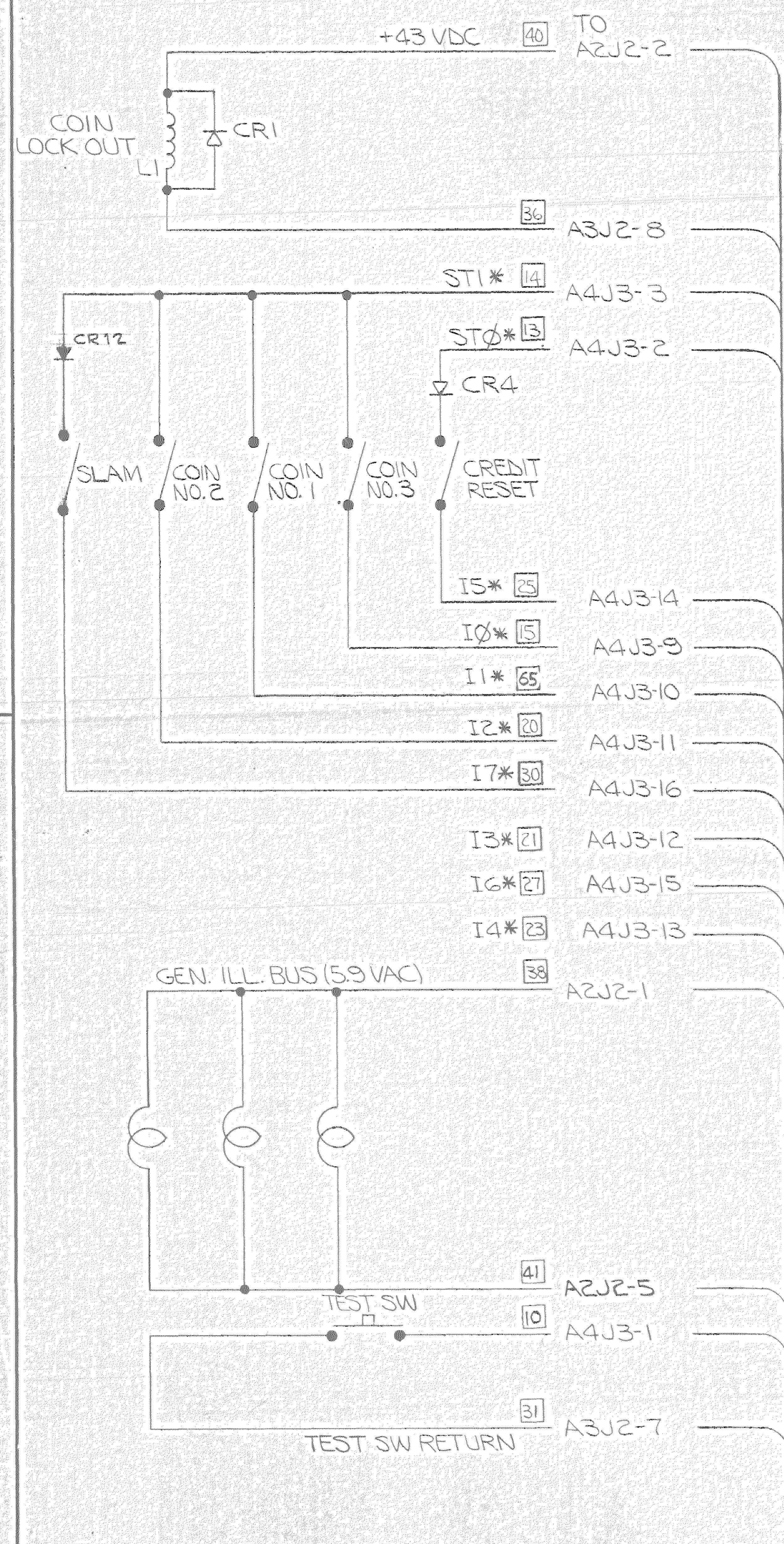
DOOR PLUG

A7 CABINET ASS'Y. WIRING

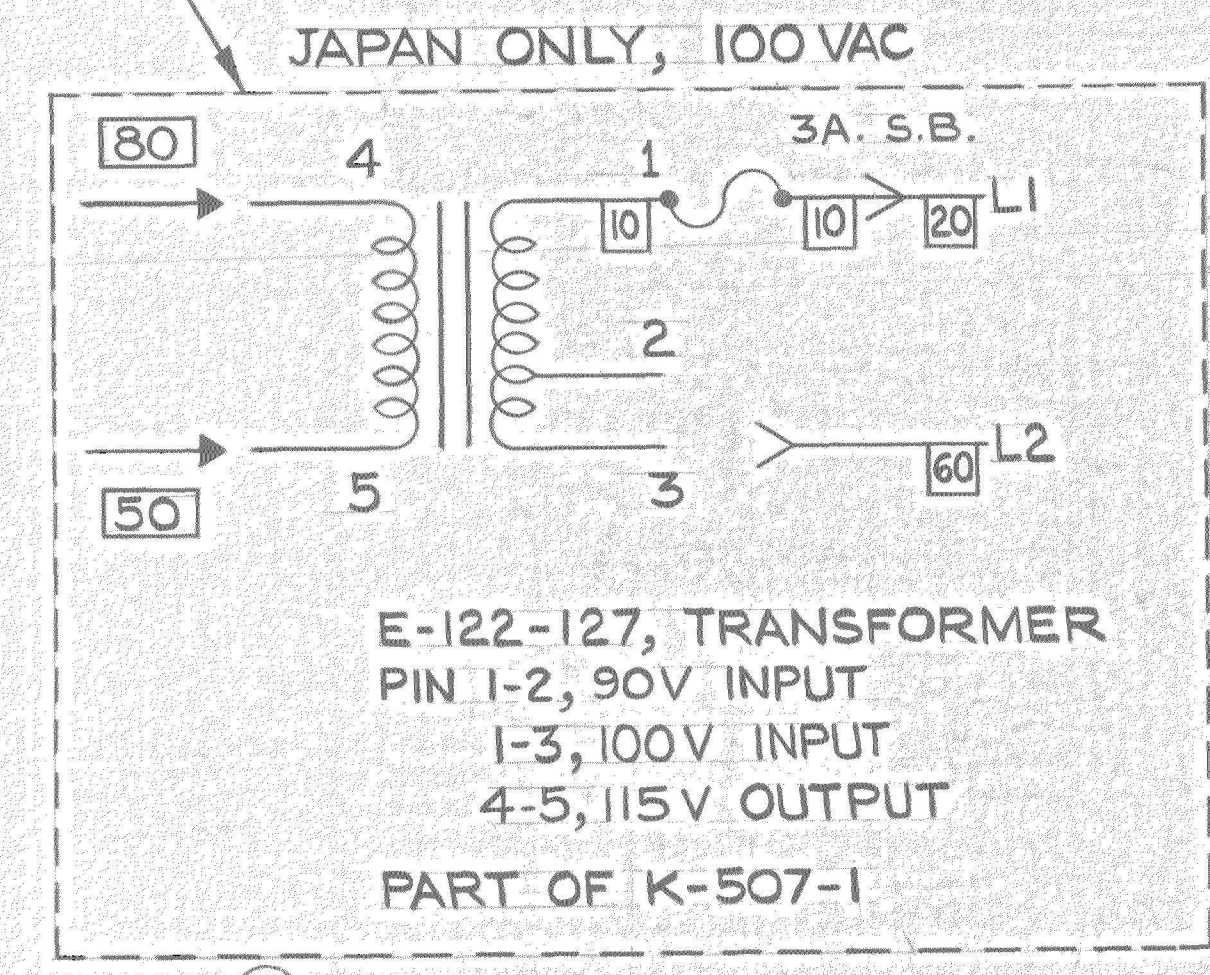
NOTE: -DIODES ARE IN4004, (E-587-6)

REMOVE ALL BURRS		DR. BY DATE E.V. 3-28-79	
TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED		CHK. BY DATE	
FRACTIONS ±		AP'D BY DATE J.D. 4-5-79	
DECIMALS ±		AP'D BY DATE E.V. 4-5-79	
ANGLES ±		FINISH	
DO NOT SCALE DRAWING		NAME WIRING DIAGRAM ELECTRONIC	
MATERIAL		ASSEM. NO. W-1186-6	
LET.	CHANGE	DATE	BY CK.

Bally MANUFACTURING CORP.
2640 BELMONT AVENUE
CHICAGO, ILLINOIS 60618



NOTE: (CAUTION)
 (1) USE BALLY PART NO E-713 FOR 115-120 VAC.
 (2) USE BALLY PART NO E-713-1 FOR 220-240 VAC.
 (3)* INDICATES AID TEST POINT



TO	J1 PIN	TO	J1 PIN
A4J3-9	1	A4J3-3	11
A4J3-10	2	A2J2-2	15
A4J3-11	3	A3J2-8	16
A4J3-12	4	A2J2-1	17
A4J3-13	5	A2J2-5	18
A4J3-14	6	A4J3-1	19
A4J3-15	7	A3J2-7	20
A4J3-16	8		
A4J3-2	10		

DOOR PLUG

A7 CABINET ASSY. WIRING

NOTE: - DIODES ARE IN4004, (E-587-6)

DIE SIZE — C.C. — FT. PER M — LBS. PER M —

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REMOVE ALL BURRS		DATE 1-22-78		BALLY MANUFACTURING CORP.		2640 BELMONT AVENUE		CHICAGO, ILLINOIS		1119-E	
TOLERANCES ON DIMENSIONS UNLESS OTHERWISE SPECIFIED		DATE 2-3-78		NAME WIRING DIAGRAM		MATERIAL		ASSEMB. NO. USED ON/W		PART NO. W-1186-5c	
FRACTIONS ±		DATE 2-3-78		FINISH		HARDENING		SCALE			
DECIMALS ±		DATE 2-3-78		FINISH		HARDENING		SCALE			
ANGLES ±		DATE 2-3-78		FINISH		HARDENING		SCALE			
DO NOT SCALE DRAWING		DATE 2-3-78		FINISH		HARDENING		SCALE			