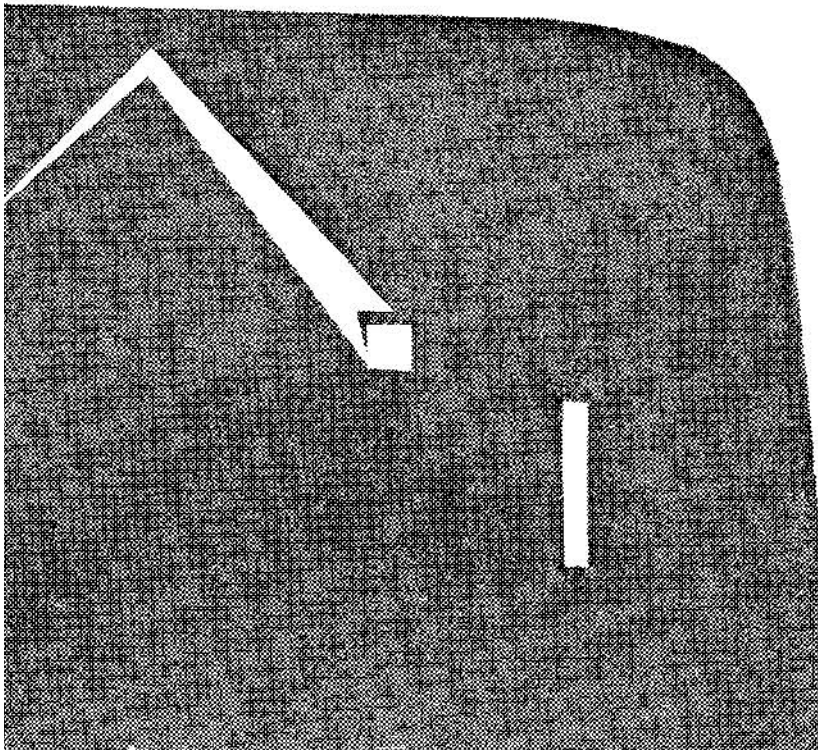
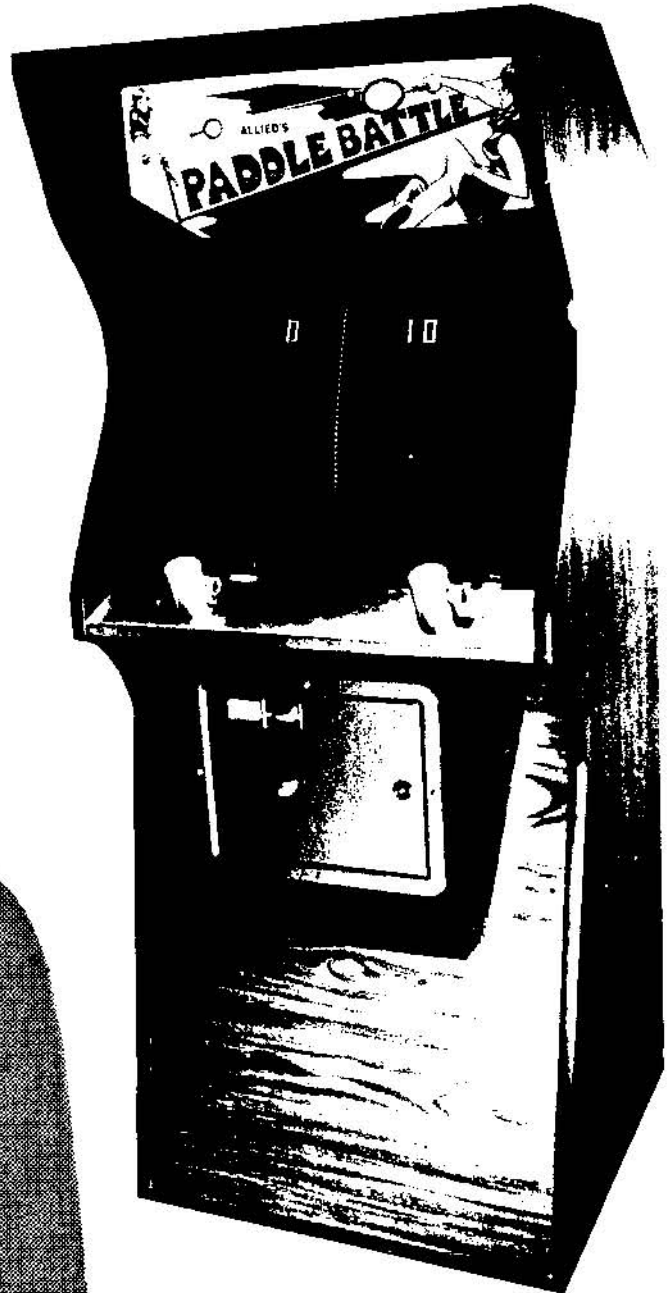
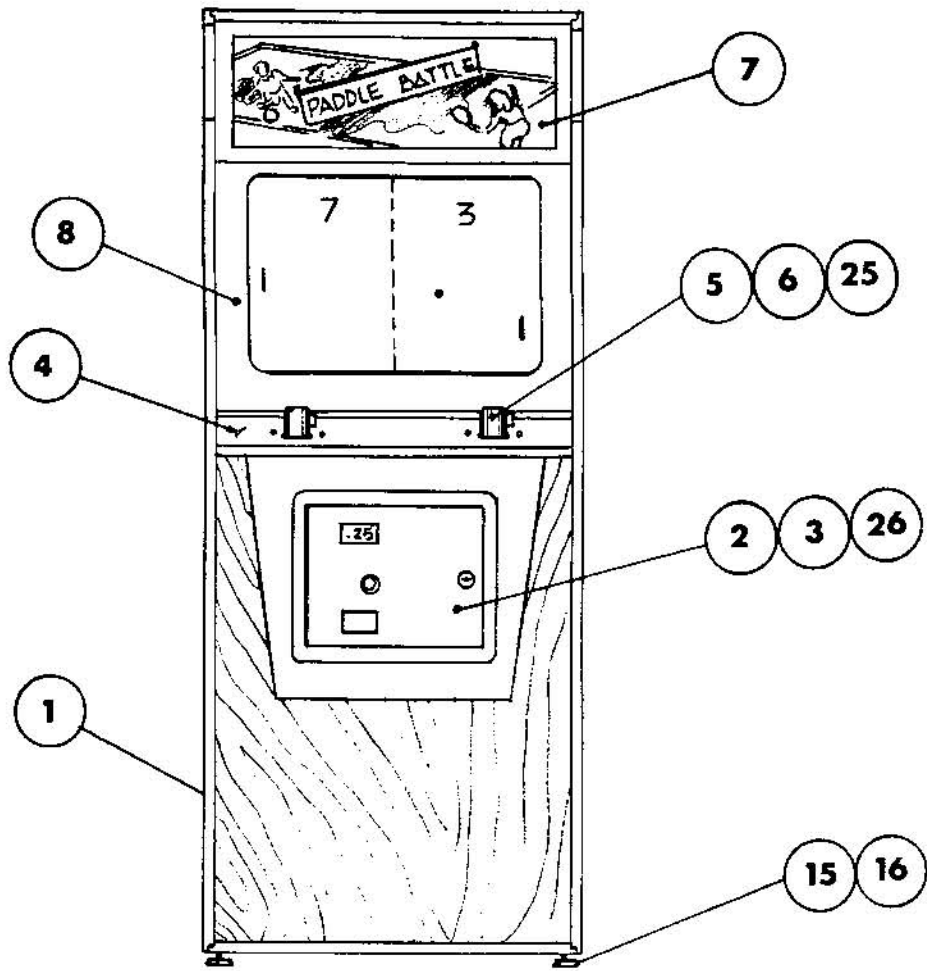


Allied's
PADDLE BATTLE

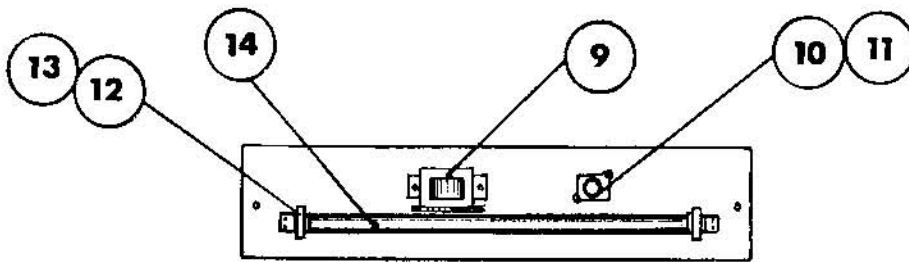
***Parts &
Wiring
Catalog***



ALLIED LEISURE INDUSTRIES INC.
245 WEST 74TH PLACE
HIALEAH, FLORIDA 33010



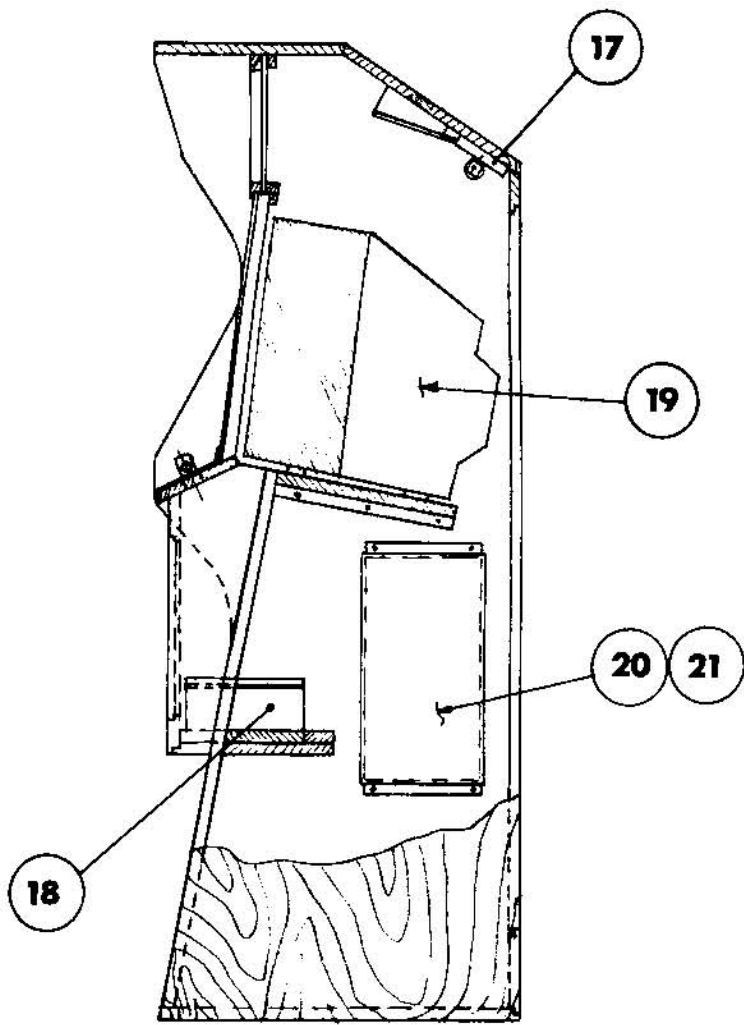
FRONT VIEW - CABINET



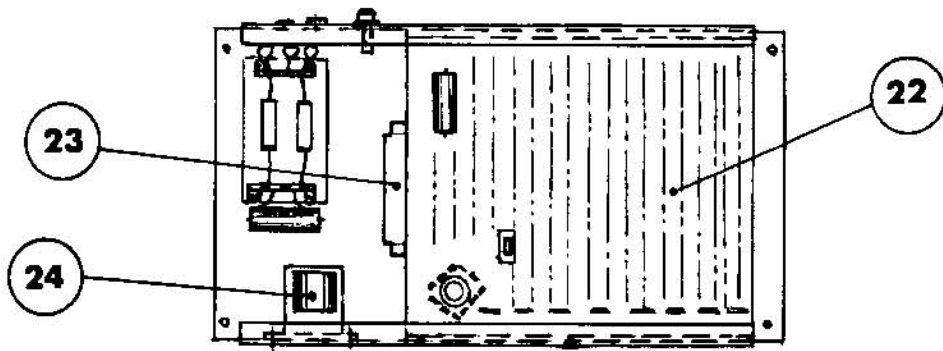
TOP LAMP ASS'Y

PADDLE BATTLE

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	244-1-1 244-1-6	Paddle Battle Cabinet for Hitachi TV Paddle Battle Cabinet for Sylv & GE
2	240-1-500	Coin Door Assy Single Acceptor
3	240-1-504	Coin Door Frame Assembly
4	244-3-4	Deck Control Cover
5	244-3-5	"Pot" Holder
6	244-9-8	5M ohm linear potentiometer
7	244-6-1	Top Glass - Paddle Battle
8	244-6-2	Smoked Grey glass (screen)
9	240-9-81	Transformer (ballast coil)
10	240-9-82	Starter Socket
11	240-9-83	Fluorescent Lamp starter
12	240-9-84	Fluorescent Lamp socket
13	240-3-45	Sky Lamp Bracket
14	242-9-53	Fluorescent Lamp
15	240-3-46	Leg Leveler Tap Plate
16	240-8-9	Leg Leveler
17	244-1-2	Top Lamp Ass'y
18	240-1-507	Cash Box Weldm't
19	244-9-1	Portable TV
20	244-1-5	Chassis Ass'y
21	244-3-11	Cover P.C.B. Chassis
22	244-9-2	P.C.B. #039 Video Control
23	244-9-12	22 Pin PCB Edge Connector
24	244-9-13	Transformer
25	244-2-1	Button control (knob)
26	244-71-2	Slam Switch

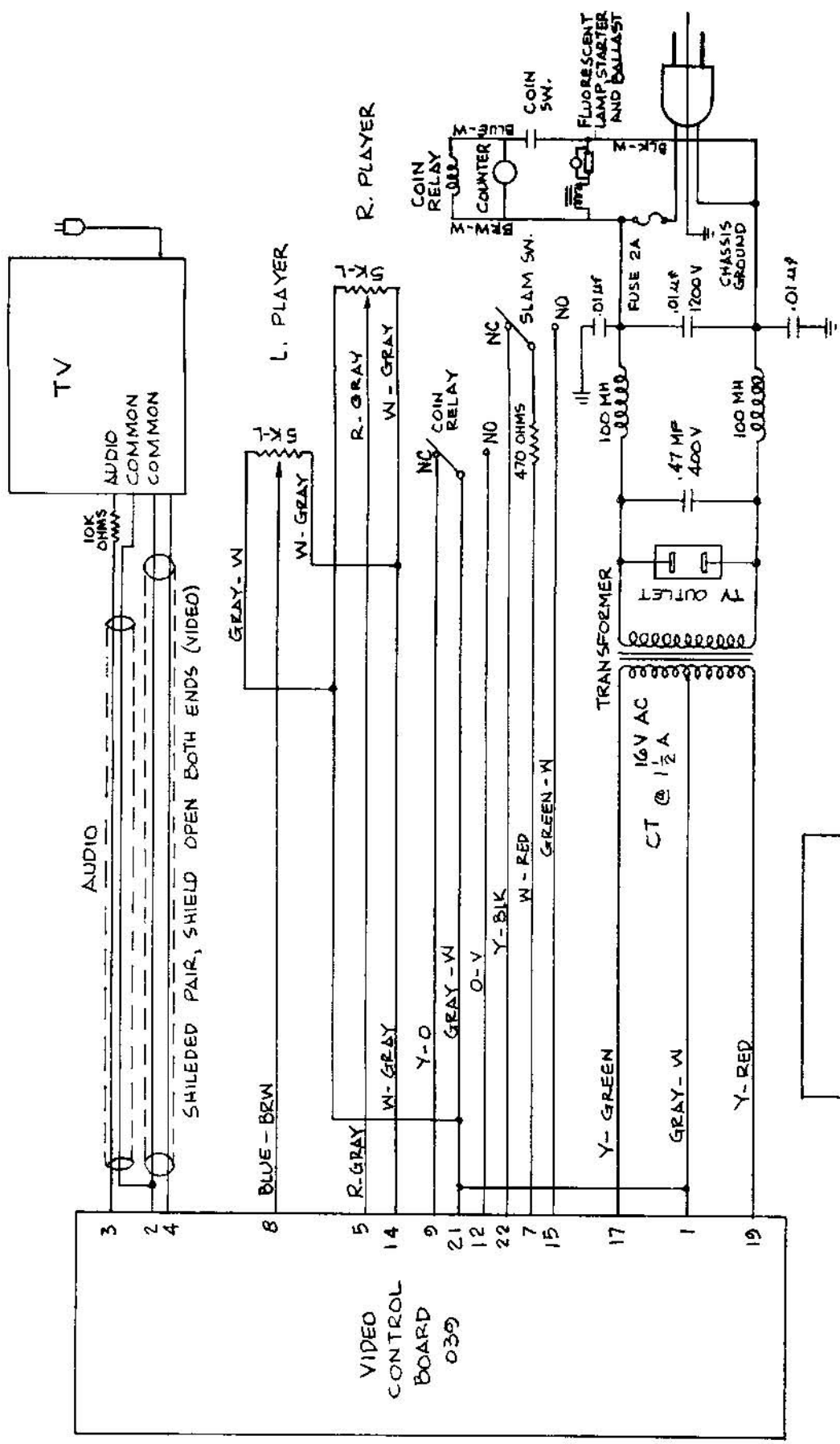


SIDE VIEW - CABINET



P.C.B. CHASSIS ASS'Y

WIRING DIAGRAM



NOTE:
 1- NOTCH AT PIN 6 AND 13
 2- 10K Ω RESISTOR ADDED TO AUDIO CIRCUIT INSIDE TV CABINET.

TROUBLESHOOTING GUIDE

<u>Symptom</u>	<u>Problem</u>
1. No video or sound	Coin switch stuck down PC board edge connector loose Television input or power line disconnected Television or control PC board bad
2. Sound but no video	Open video line (untaped shielded cable) Television out of adjustment (see set up procedure) Television or control board bad
3. Video but no sound	Same as No. 2 except audio shielded line open (taped shielded cable) (See set up procedure for access to television controls)
4. Picture distorted or out of center	See set up procedure
5. Right or left paddle moves irratically	Potentiometer dirty or worn out
6. Game shuts off before 11 or 15 setting	Slam switch not enough tension on normally closed contacts. Capacitor lead on chassis filter assembly open. Lead on slam switch wires open.

Note: Remove front panel for access to Television controls

Maintenance and Adjustment procedure:

1. Television connections and controls

1. Plug power cord into control chassis and connect the shielded input wires.
2. Activate coin switch and adjust game per the following:
(Note: Remove front panel for access to television controls)
 - A. Volume - adjust to desired level, approximately 3/4 full for normal location.
 - B. Brightness - turn from bright until background light disappears.
 - C. Contrast - adjust to maximum without distorting numbers on screen.

The following are preset at Allied Leisure

- D. Vertical size adjust until net clears top and bottom by 1/4 to 1/2 inch.
- E. Vertical linearity adjust for equal spacing of dot segments.
- F. Horizontal position - adjust to center and back off until picture holds when television is cycled off and on.

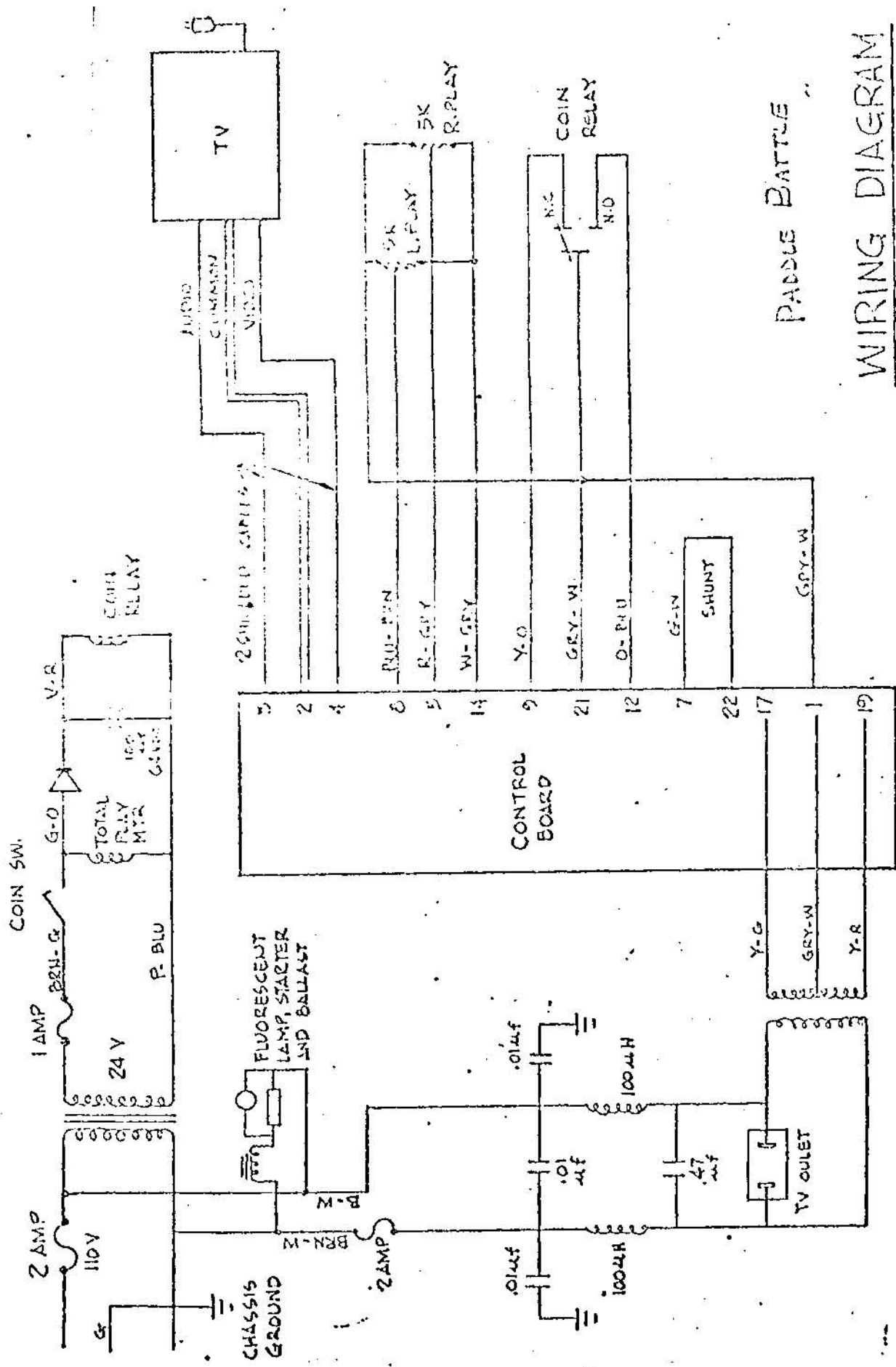
11. Control Chassis

1. Paddle adjustment-turn front panel knobs to full down position. Adjust trimmers (located on top of control PC board) to move paddles to bottom of screen. Back off until full paddle length is in view.
2. 11-15 adjustment - set switch on control PC board as desired.
3. Replacing video board - insert board, connector end first with component side showing. Connect the two 3-pin plugs matching wire colors. 22-pin PC board edge connector is keyed with pin 1 on the right side as viewed in game cabinet.

111. Front Panel

1. Potentiometer front glass replacement - open cash door and remove the two wing nuts holding front panel in place.
 2. Remove and replace potentiometers as required.
 3. Touch tape to bottom of front glass and pull out for removal.

NOTE: TO AVOID DAMAGE TO TELEVISION, DISCONNECT 3-WIRE CONNECTOR (LOCATED ON BOTTOM OF TELEVISION) BEFORE REMOVING TELEVISION FOR SERVICING.

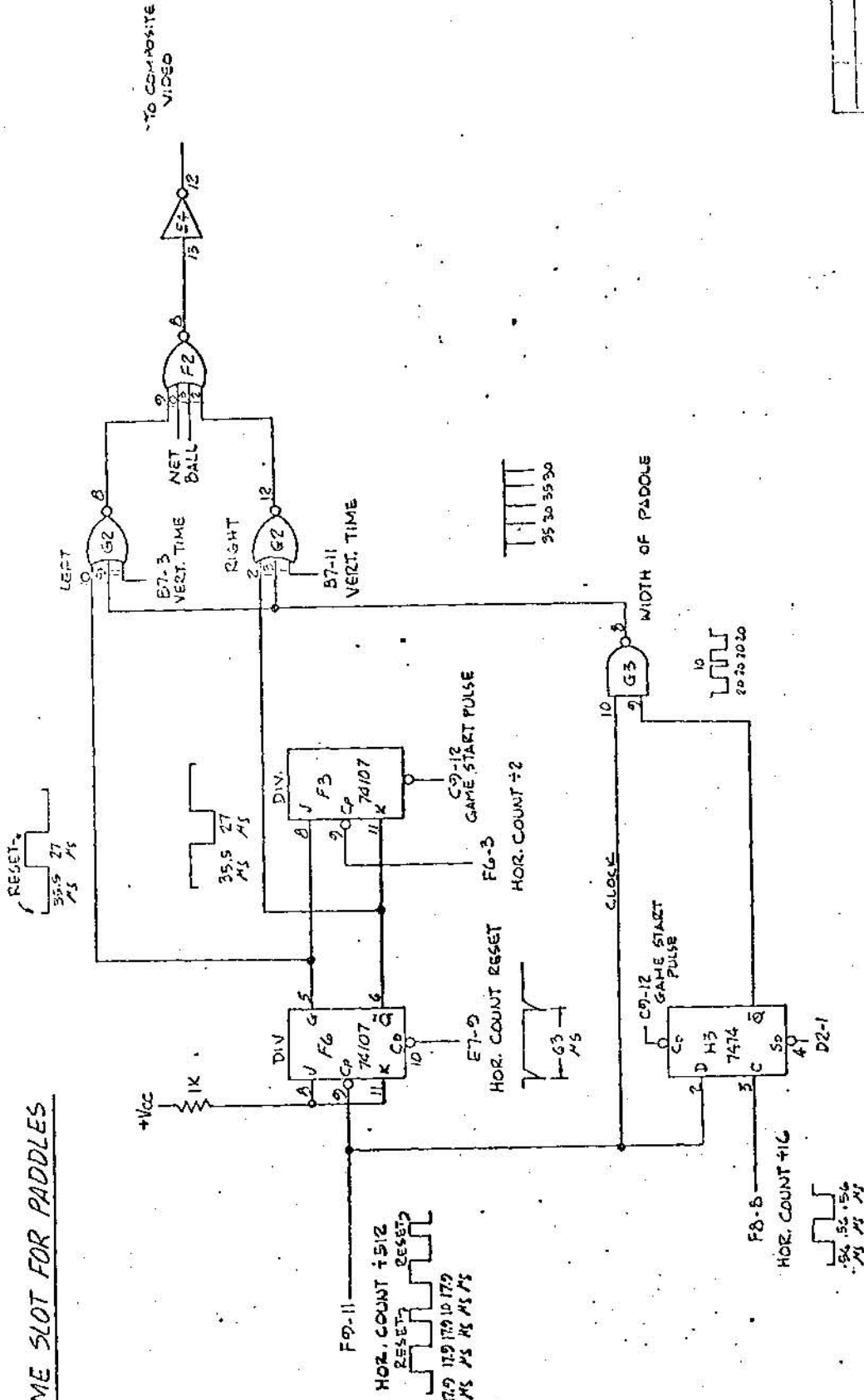


PADDLE BATTLE

WIRING DIAGRAM

S/N'S 907 UP

HORIZONTAL TIME SLOT FOR PADDLES



-PADDLE BATTLE-

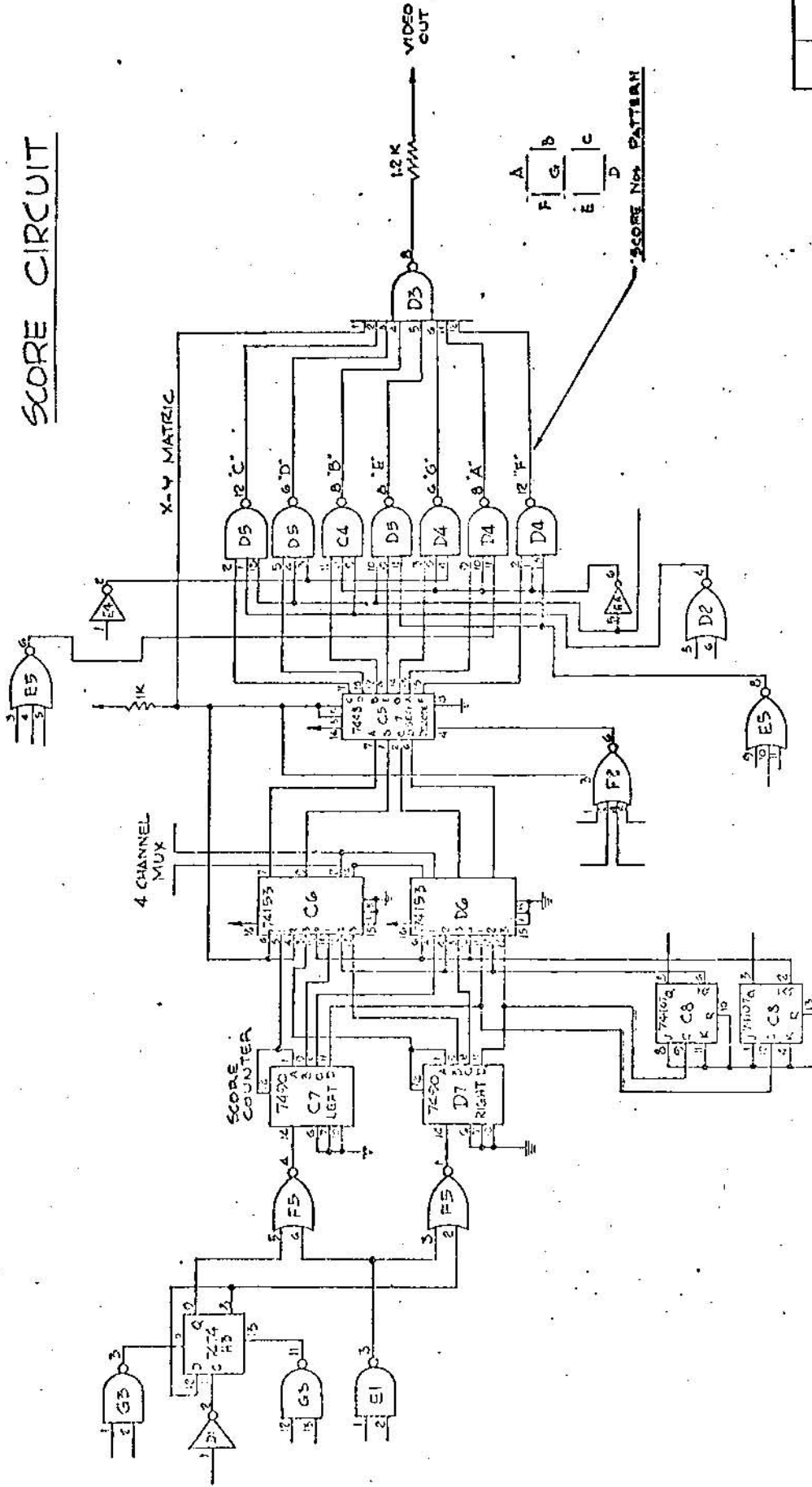
ALLIED LEISURE INDUSTRIES INC.
1750 W. 4TH AVENUE
MILWAUKEE, WISCONSIN 53210

NAME: HORIZONTAL TIME SLOT FOR PADDLE
PART NO.: 17-001
DATE: 7-25-72
DRAWN: G.T.
CHECKED: []
PARTS: []

TOLERANCES	
UNLESS OTHERWISE SPECIFIED	
FRACTIONS	± 1/64
DECIMALS	± .01
DECIMALS	± .005
HOLES	± .002
ANGLES	± 15°

D	REVISION LETTER	BY	DATE
C			
B			
A			

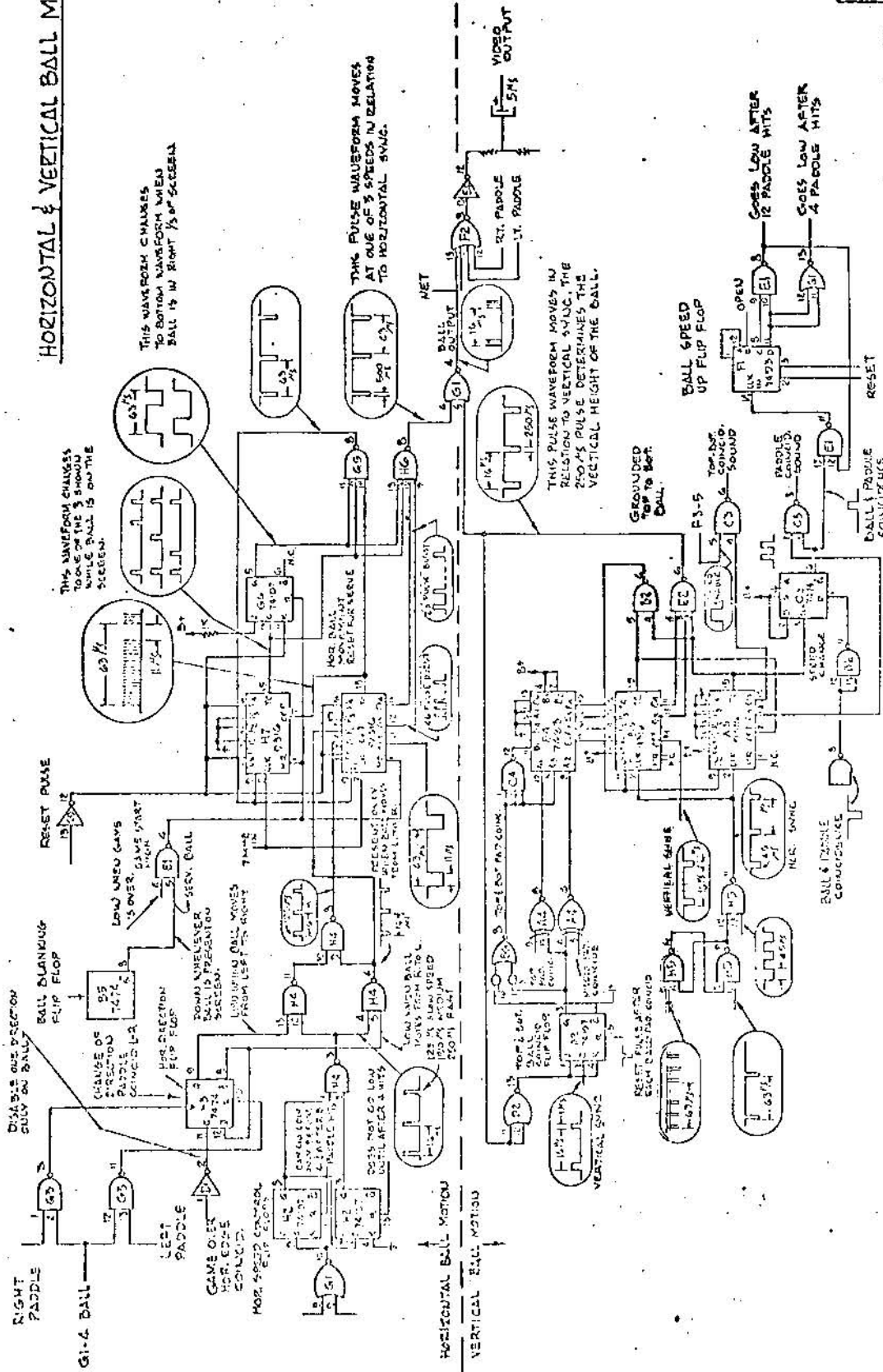
SCORE CIRCUIT



--PADDLE BATTLE--

REV. 1	ASSEM. 2
ALLIED LEISURE INDUSTRIES INC. 1740 W. 4TH AVENUE MILWAUKEE, FLORIDA 33016	
NAME	SCORE CIRCUIT
MATERIALS	HEAT TREAT.
OWN. C/T	DATE 1-26-73
APP'D.	SCALE
BY	REVISION
REVISION LETTER	BY
D	
C	
B	
A	
TOLERANCES UNLESS OTHERWISE SPECIFIED	
FRACTIONS	± 1/64
DECIMALS	± .01
DECIMALS	± .005
HOLE	± .002
ANGLES	± 1/2°

HORIZONTAL & VERTICAL BALL MOTION



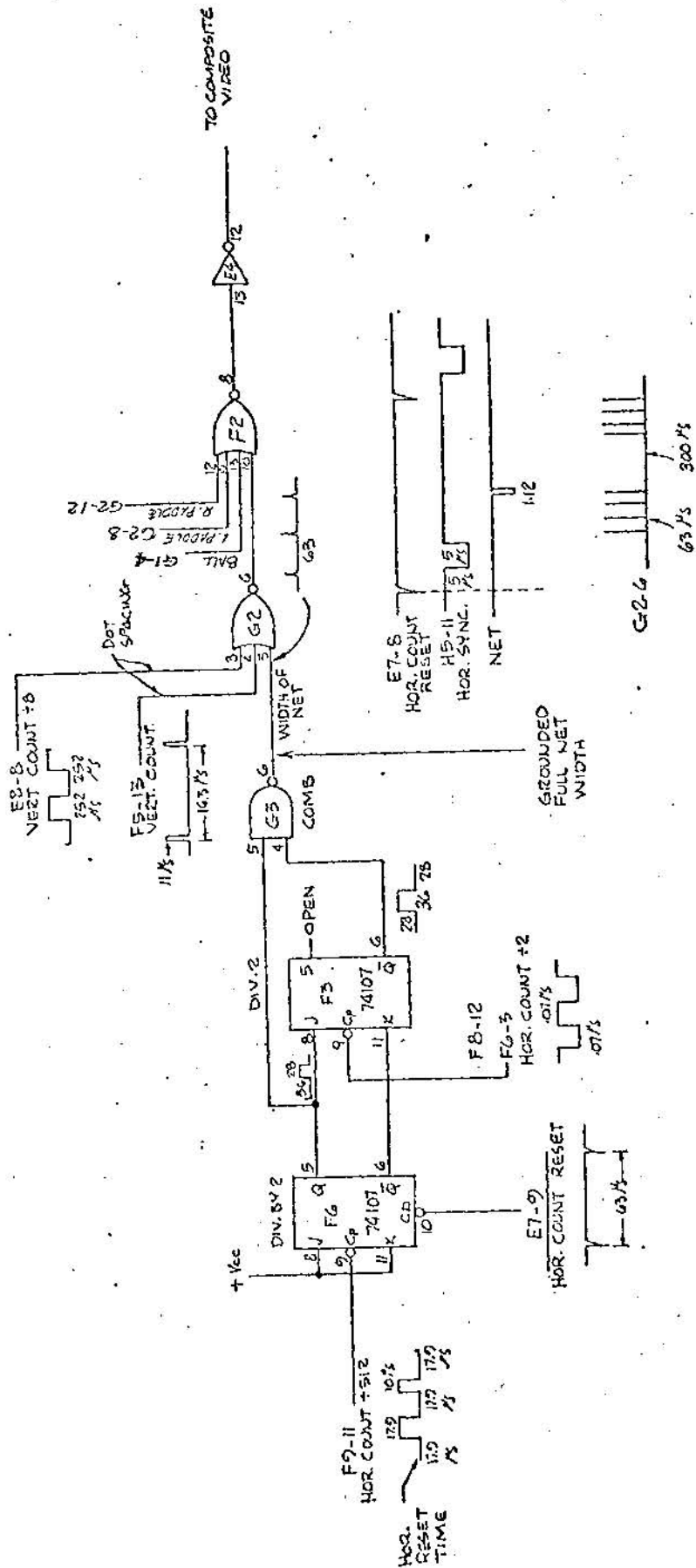
PADDLE BATTLE QTY. ASSEM. ON
ALLIED LEISURE INDUSTRIES INC.
 1780 W. 4TH AVENUE
 MIAMI, FLORIDA 33109

TOLERANCES	
UNLESS OTHERWISE SPECIFIED	
FRACTIONS	± 1/64
DECIMALS	± .01
DIMENSIONS	± .005
HOLLS	± .002
ANGLES	± 1/2°

REVISION	BY	DATE	SCALE
1		7-27-73	1:1

NAME: **HORIZ. & VERT. BALL MOTION**
 DRAWN: **G.T.**
 DATE: **7-27-73**
 SCALE: **1:1**
 PART NO: **1-3**

NET



-PADDLÉ BATTLE-

ALLIED LEISURE INDUSTRIES INC.
1700 W. 4TH AVENUE
MILWAUKEE, WIS. 53233

TOLERANCES		UNLESS OTHERWISE SPECIFIED	
FRACTIONS	=	1/64	
DECIMALS	=	.01	
DECIMALS	=	.005	
HOLE	=	.002	
ANGLES	=	1/2°	

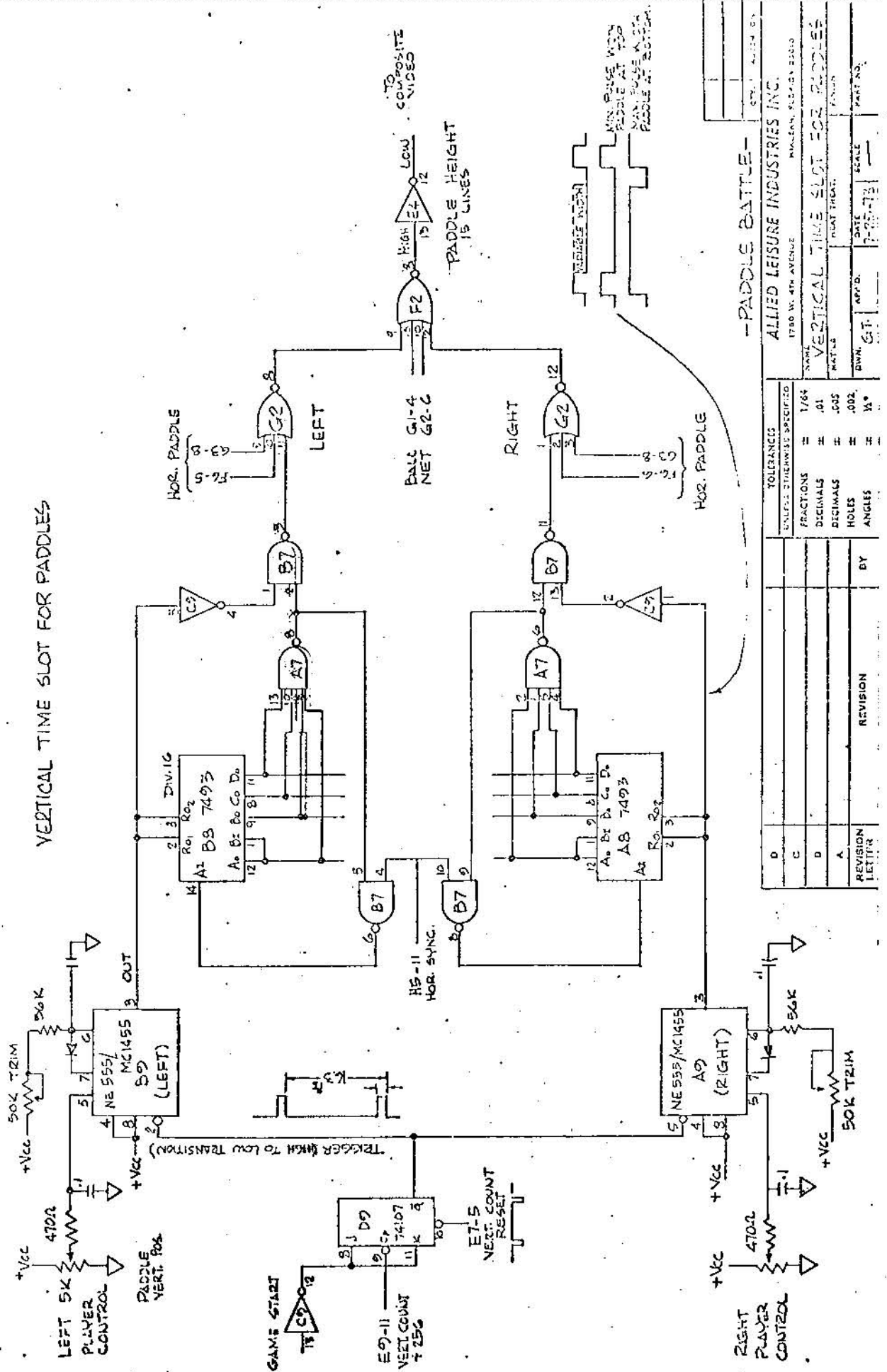
REVISION LETTER	REVISION	BY
D		
C		
D		
A		

NAME	FINISH
NET	

DATE	APP'D.	DATE	APP'D.
7-25-72			

QTY.	ASSEMBLY

VERTICAL TIME SLOT FOR PADDLES



PADDLE BATTLE

ALLIED LEISURE INDUSTRIES INC.
 1780 W. 4TH AVENUE
 MINNEAPOLIS, MINN. 55404
 NAME: VERTICAL TIME SLOT FOR PADDLES
 PART NO.:
 DATE: 7-25-73
 SCALE: 1:1
 PART NO.:

TOLERANCES UNLESS OTHERWISE SPECIFIED	
FRACTIONS	= 1/64
DECIMALS	= .01
DECIMALS	= .002
HOLE SIZES	= 1/16"
ANGLES	= 1/2°

REVISION LETTER	REVISION	BY
D		
C		
B		
A		

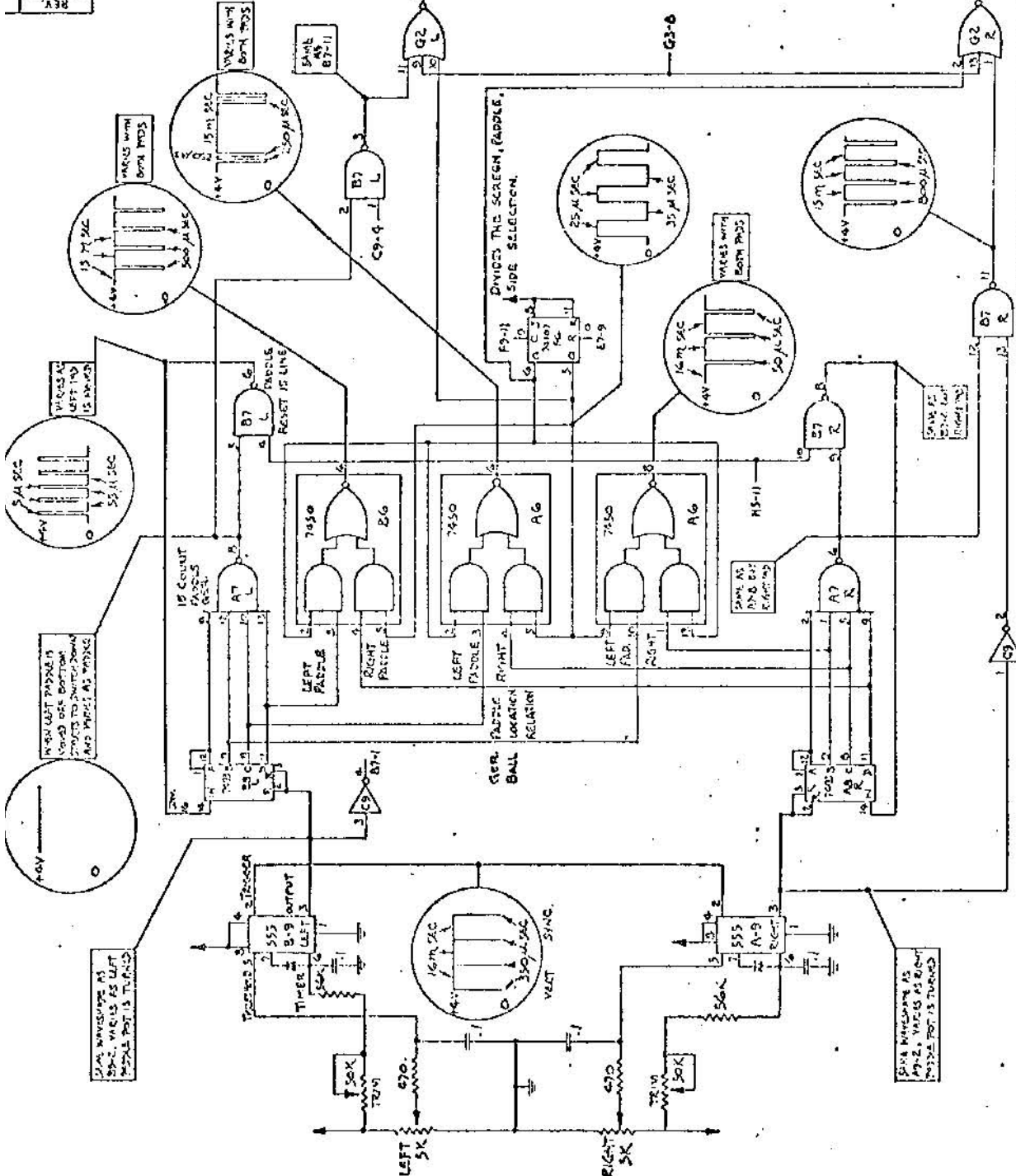
REV LETTER	ITEM NO.	ECN NO.	DESCRIPTION	DISPOSITION OF EXISTING PARTS	ENGR. G.
				RE-SCRAP WORK	

GAME PRESETS

1. BOTH PADDLES TO THE EXTREME DOWN POSITION. WHEN VARYING CONTROLS ALWAYS REMEMBER TO RETURN THE PADDLES TO THE BOTTOM.
2. ADJUST PIN 3 OF EACH 555 TIMER (WITH THE TRIM POT) FOR MINIMUM DOWN TIME.
3. SCORE SWITCH IN THE 15 POSITION.
4. GAME DISABLED WITH 0-0 SCORE.

SCOPE PRESETS

1. HORIZ. SWEEP - CAL.
2. VOLTS/CM - CAL.
3. HORIZ. DISPLAY - INT. SWEEP.
4. VERT. SIGNAL - NOT INVERTED.



QUANTITY	1	DATE	12/15/73	SCALE	1:1
SYMBOL	A	DRW	SK	DATE	12/15/73
DESCRIPTION	PADDLE CIRCUIT				
TITLE	PADDLE CIRCUIT				
DESIGNED BY	A. CHU				
CHECKED BY	SK				
APPROVED BY	SK				
MATERIAL CR	FINISH				
COMPL. PART NO.	1732				
TEMPERATURE	1732				
MANUFACTURE	ALLIED LEISURE INDUSTRIES INC.				
ADDRESS	3780 W. 4th AVENUE, MUALSAM, FLORIDA 33010				
TELEPHONE					
FRACIONS	±	1732			
DECIMALS	±	01			
DIGITALS	±	039			
ANGLES	±	000			
ANGLES	±	1732			
NEXT ASSEMBLY					

