

# GUERRILLA

WAR™

## INSTRUCTION MANUAL



## FCC WARNING

This equipment operates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause interference to radio communications.

It has been tested and found to comply with the limits for a class "A" computing device pursuant to sub-part J of part-15 of F.C.C. rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment.

Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

SNK Corporation recommends a grounded 3 wire outlet to be used for supplying power.

## NOTICE:

Specifications and modifications may be changed without advance notice or warning.

# GUERRILLA WAR

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## I. GENERAL INFORMATION

### INTRODUCTION

Guerilla War is a microprocessor based coin-operated electronic game that makes extensive use of digital integrated circuitry and television monitor concepts. This manual is designed for the use of maintenance technicians who possess a general knowledge of solid-state circuitry and video monitor theory. Any individual NOT knowledgeable in these areas SHOULD NOT attempt repair of the electronic portions of the game.

In addition to this manual and training in electronics, troubleshooting and repair will be facilitated by access to general-type handtools, a multimeter, a 50 or 100MHZ oscilloscope and a logic probe would be helpful.

Technical assistance is available by contacting your SNK distributor or by calling 408-736-8844.

Questions or comments concerning Guerrilla War are welcome and should be directed to:

SNK CORPORATION OF AMERICA  
246 Sobrante Way  
Sunnyvale, CA 94086

(408) 736-8844

This game comes in a cabinet equipped with DYNAMO'S Universal Video Hardware System. It provides the needs for additional game conversion.

UNIVERSAL CONTROL PANELS FOR GAME CONVERSION ARE AVAILABLE UPON REQUEST THROUGH DYNAMO CORPORATION SALES DEPARTMENT.

contact: DYNAMO CORPORATION  
2525 Handley-Ederville Rd.  
Richland Hills, TX 76118  
(817) 589-7699

### WARNING

Do not attempt to troubleshoot or repair the PCB if it is found to be faulty or your warranty may be voided and repair charges will be more costly. Always contact an authorized SNK distributor or the SNK Service Manager to troubleshoot your PCB problems.

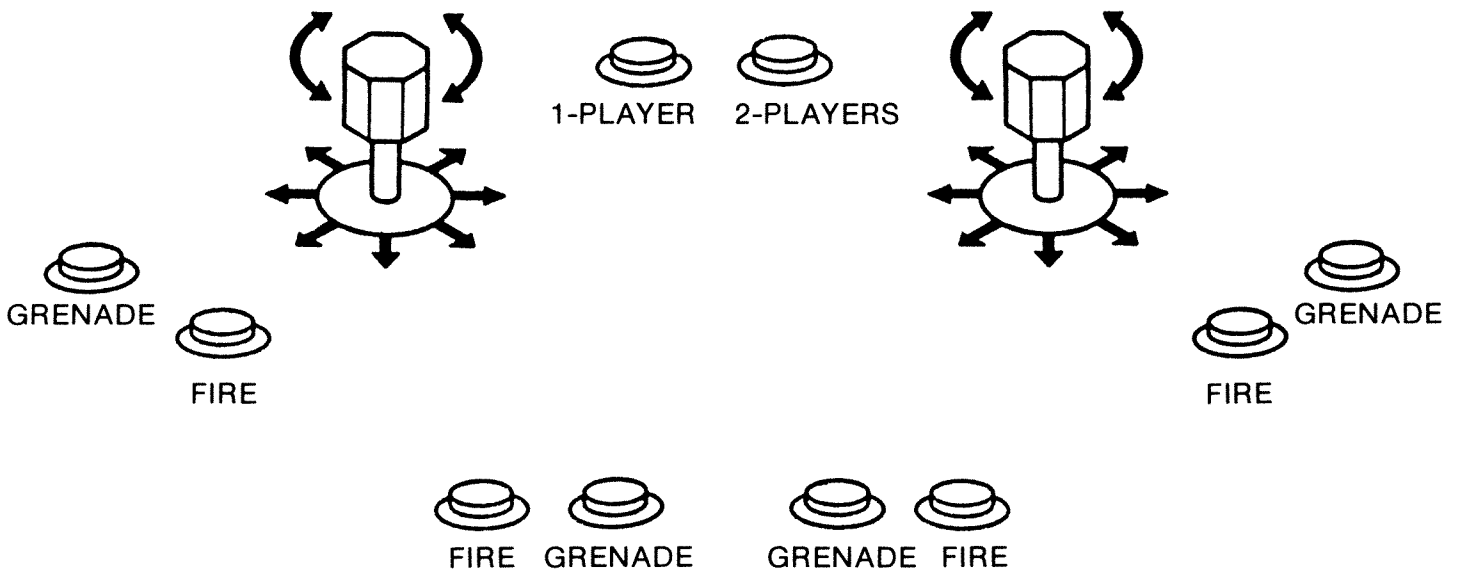
Whenever you change parts or insert/disconnect the edge connector, always check to make sure the power is off! After you are sure the power is off, wait approximately 10 seconds before proceeding to remove the edge connector to allow time for the power supply to discharge.

Always use caution to stay clear of the high voltage sections to avoid the possibility of electrical shock.

## HOW TO PLAY

Guerrilla War is a 1 or 2 player survival shooting game. Play can be simultaneous or either player can join in at any stage during play. The rotary joystick controls the hero's movement and 8-way fire direction. Press yellow button to fire machine gun and press black button to fire grenades and to get in and out of tank. Players may get into enemy's tank when they are destroyed. When certain enemies are killed they change into bonus weapons. The dip switch adjusts the level of difficulty in four stages.

### ROTATE JOYSTICK FOR DIRECTION OF FIRE.



## II. OPERATION

### INSTALLATION

Your game was shipped from the factory in ready-to-play condition.

A brief inspection is suggested before the machine is removed from the carton. If there is damage to the shipping carton, contact the freight carrier for claim purposes. External damage could indicate possible damage to the cabinet and/or electronic components.

After the carton has been satisfactorily inspected, remove the machine from the shipping carton.

Examine the interior of the game for disconnected wires, cables or harnesses. Make sure the electronic devices are securely mounted in their sockets, etc. Record any problem and contact your customer service representative for technical assistance.

### ELECTRICAL REQUIREMENTS

Unless otherwise specified, this game is set to operate at 110 volts A.C.

### PCB SPECIFICATIONS

Operating requirements

Voltage +5.00 volts to 5.10 volts D.C., -5VDC, +12VDC.  
Amperage 7.5 amps  
Power 38.5 watts  
Temperature 0° to 30°C or 32° to 100°F  
Humidity 95% relative

The 5 volt supply draws about 7.5 amps on this PCB design and the power supply should be adjusted for maximum efficiency and reliability. When the voltage is correct, both LEDs will be lit. If only one LED is lit the 5 volt supply must be adjusted.

### ROUTINE MAINTENANCE AND SERVICE

Because of the solid state electronic circuitry, this machine should require very little maintenance and only occasional adjustment. However, it is necessary to take steps to insure this.

The game volume controls are located on the printed circuit board and can be accessed through the rear cabinet door.

The video monitor was properly adjusted for best color and sharp picture display before shipping. Occasionally minor adjustments are necessary. All adjustment controls for the monitor are located on the rear of the monitor assembly.

This machine should only be adjusted by a QUALIFIED technician.

# OPTIONAL SETTINGS

## DIP SW NO. 1

ITEM	SPECIFICATION	1	2	3	4	5	6	7	8
GAME STYLE	COIN UP CONTINUE	<b>OFF</b>							
	STANDARD	ON							
DISPLAY	NORMAL PICTURE		OFF						
	INVERSE PICTURE		ON						
BONUS	*SECOND BONUS			OFF					
	**EVERY BONUS			ON					
NUMBER OF HERO	3				OFF				
	5				ON				
COIN 1	1 COIN 1 PLAY					OFF	OFF		
	2 COIN 1 PLAY					ON	OFF		
	3 COIN 1 PLAY					OFF	ON		
	4 COIN 1 PLAY					ON	ON		

\*Second Bonus ..... Credit one (HERO) every 2nd bonus

\*\*Every Bonus ..... Credit one (HERO) at 1st and 2nd bonus only.  
No further heros awarded.

## DIP SW NO. 2

ITEM	SPECIFICATION	1	2	3	4	5	6	7	8
LEVEL OF DIFFICULTY	EASY	OFF	OFF						
	NORMAL	<b>ON</b>	<b>OFF</b>						
	HARD	OFF	ON						
	DIFFICULT	ON	ON						
ATTRACTION SOUND	WITHOUT SOUND			OFF	OFF				DEMO SOUND OFF
	WITH ATTRACTION SOUND			<b>ON</b>	<b>OFF</b>				DEMO SOUND ON
MONITOR SETTING	CONTINUOUS PLAY			OFF	ON				NEVER RESTART
	STOP VIDEO DISPLAY			ON	ON				STOP
BONUS POINTS SETTING 1ST/2ND	30,000/50,000					OFF	OFF		
	40,000/80,000					<b>ON</b>	<b>OFF</b>		
	50,000/100,000					OFF	ON		
	NO BONUS					ON	ON		

**NOTE:** Bold face suggests factory recommended settings.

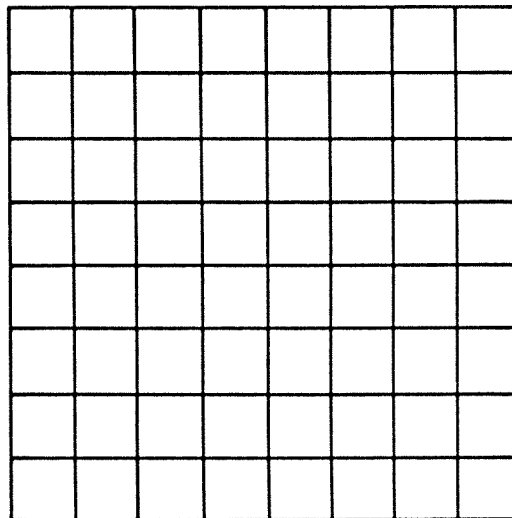
# DISPLAY TEST MODE

## A. SELF ROM CHECK

The memories are automatically self checked whenever power is applied. To enter the test mode, hold the test switch on until PICTURE is displayed. Press the test switch to continue the display tests or reapply power to start the game.

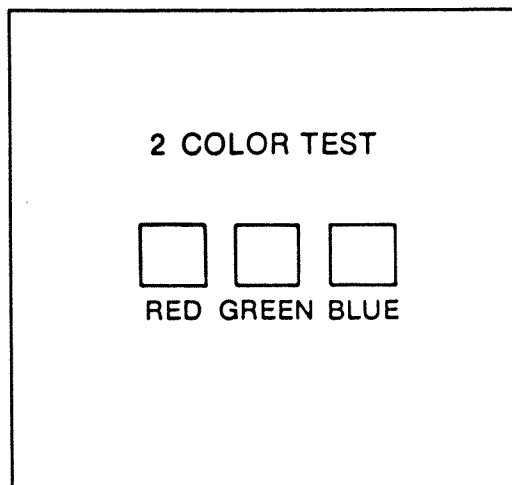
## B. PICTURE 1 - CROSS HATCH

Adjust the monitor for a SQUARE PATTERN throughout the display and on the edge of the monitor.



## C. PICTURE 2 - COLOR TEST

Assures that the correct colors are properly wired to the monitor.



## D. PICTURE 3 - CONTROL TEST

As a lever or switch turns on, 0 on the monitor will change to 1. Turning the joystick dial clockwise increments the LEVER DIAL by one. Turning the joystick dial counter-clockwise decrements the LEVER DIAL by one. Insert coin and confirm that the COIN change from a 0 to 1. The service switch can also be checked here.

3 LEVER SWITCH			
P1 START	0	P2 START	0
P1 UP	0	P2 UP	0
P1 DOWN	0	P2 DOWN	0
P1 LEFT	0	P2 LEFT	0
P1 RIGHT	0	P2 RIGHT	0
P1 DIAL	0	P2 DIAL	0
P1 PUSH1	0	P2 PUSH1	0
P1 PUSH2	0	P2 PUSH2	0
COIN	0	COIN2	0
SERVICE	0		





## D. JOYSTICK ROTARY CONNECTIONS:

\*NOTE: "R"(Rotary) for proper connection of the harness.

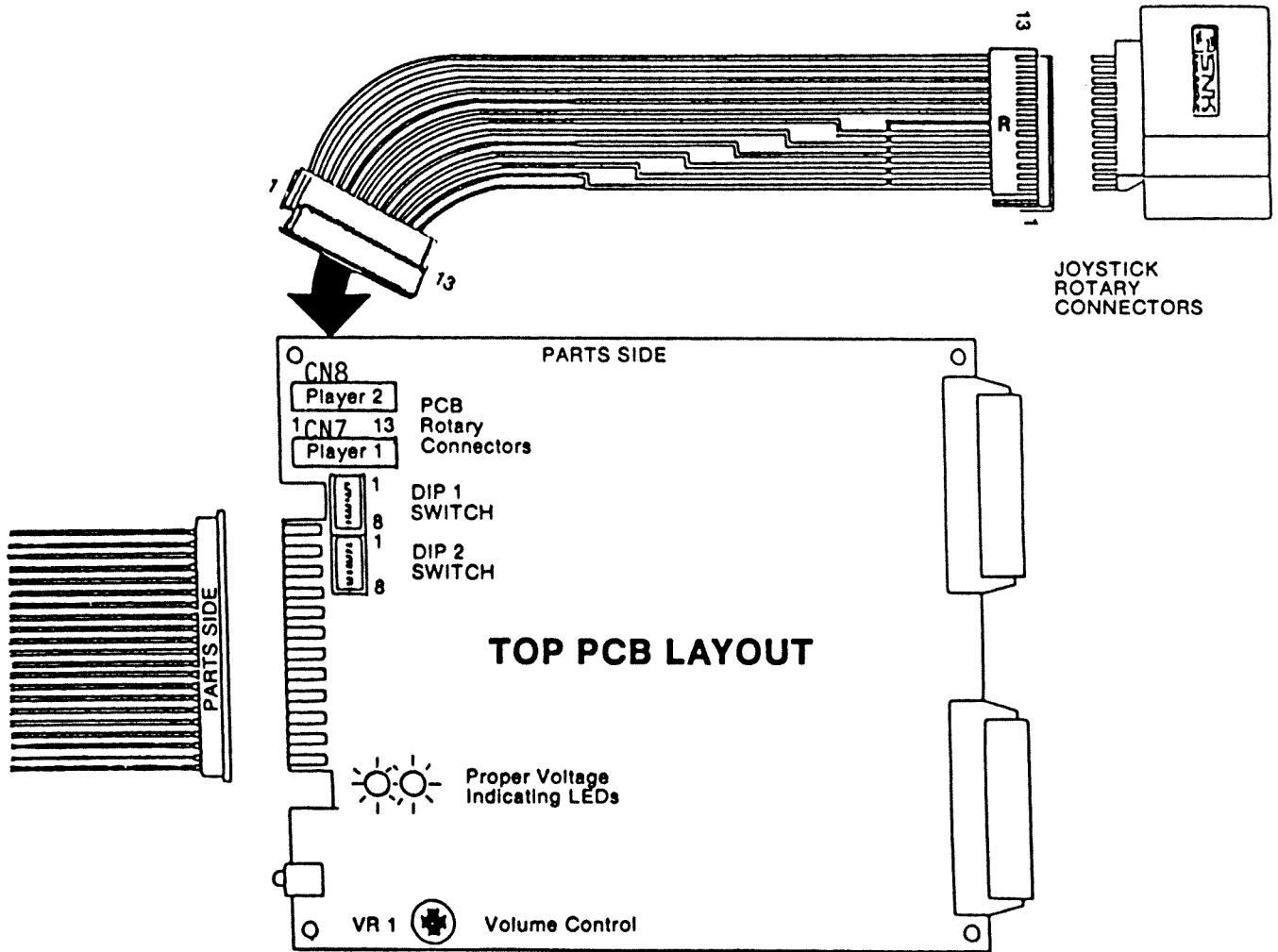


FIGURE 1

# E. LS30 - 24 JOYSTICK ASSEMBLY DIAGRAM

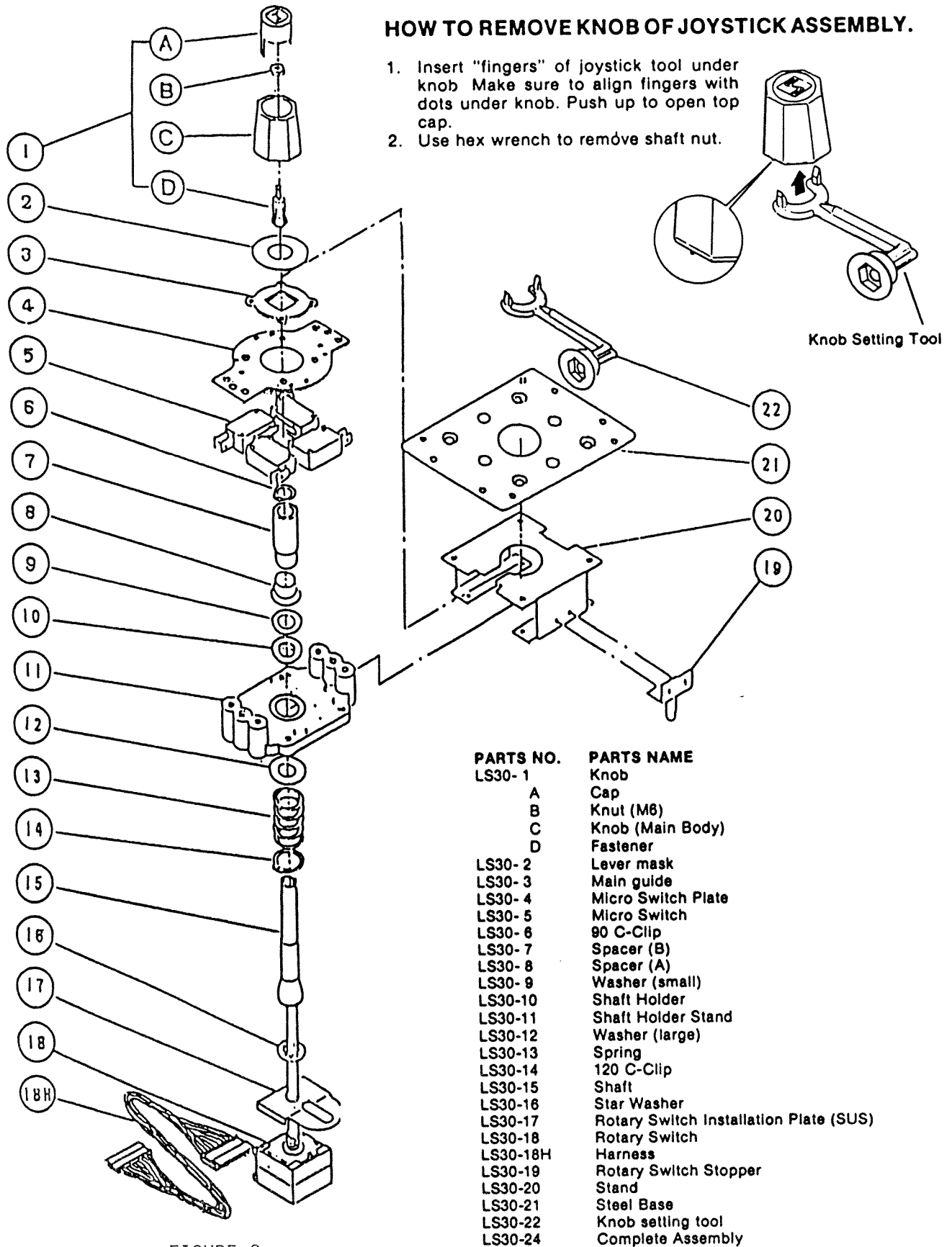
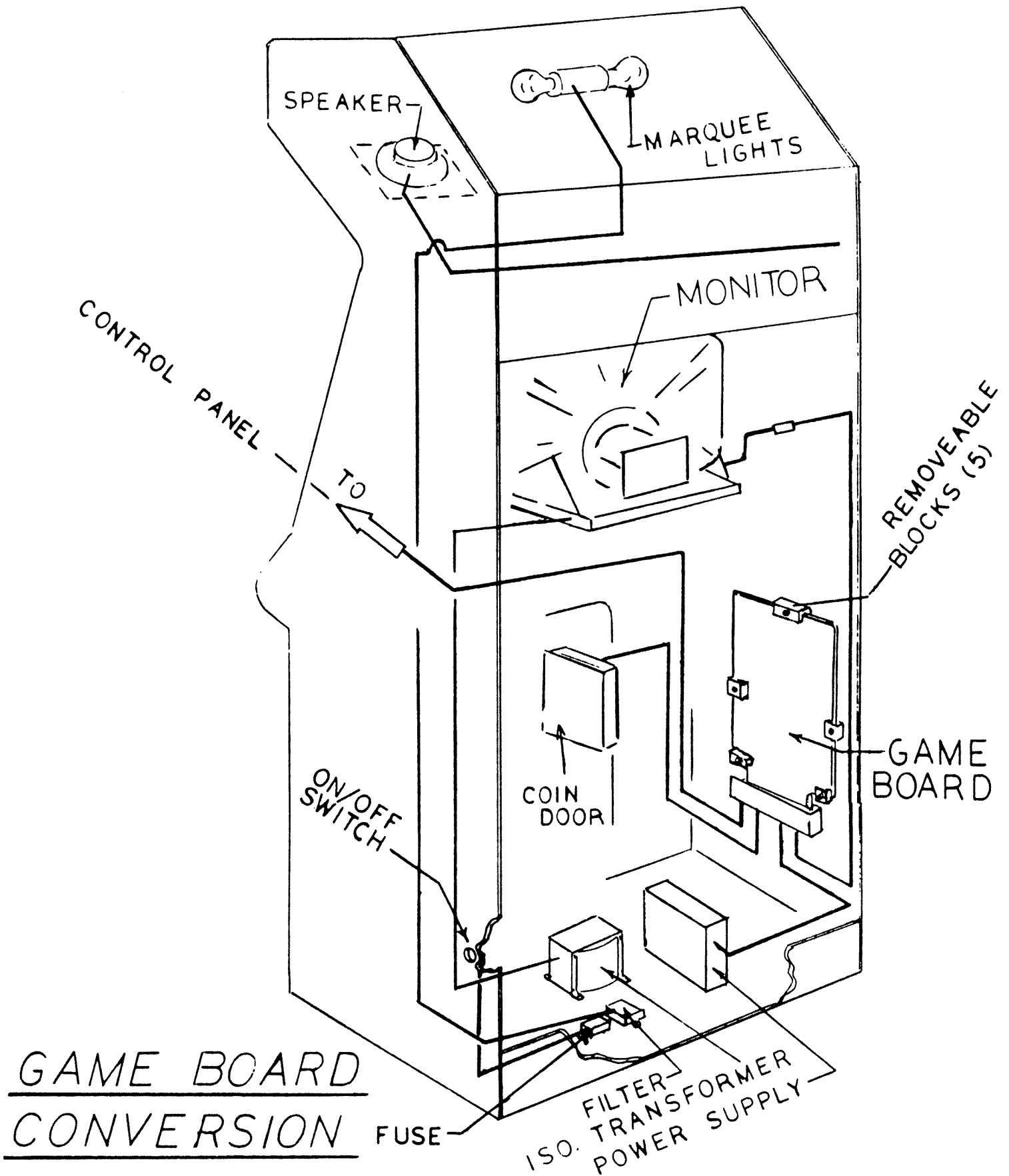


FIGURE 2



GAME BOARD  
CONVERSION

WITH  
HARNESS & COMPONENT LAYOUT

FIGURE 3

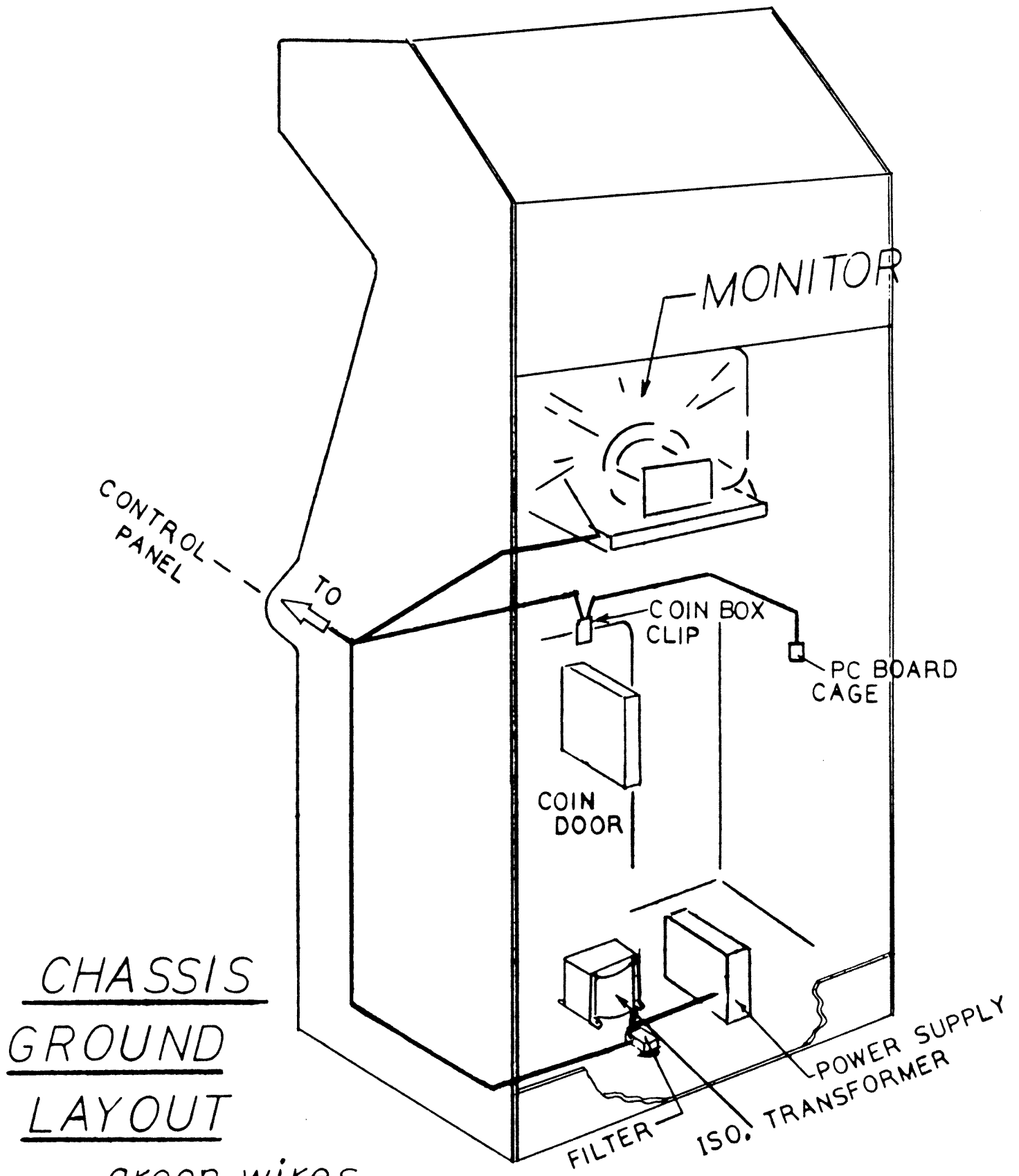


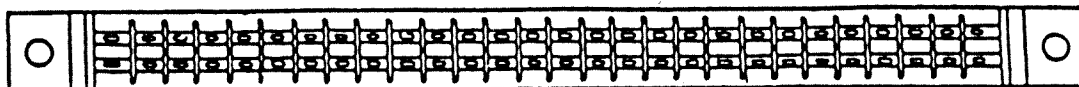
FIGURE 4

# MAIN HARNESS CONNECTIONS

## CONNECTOR CR7E - 56 DA - 3.96 E (HIROSE)

(1)

(28)



(A)

(f)

Color Key: Stripe / Background

WIRE COLOR	SOLDER SIDE	PIN NAME PIN #		PARTS SIDE	WIRE COLOR
BLACK	Ground	A	1	Ground	Black
BLACK	Ground	B	2	Ground	Black
RED	+5VDC	C	3	+5VDC	RED
RED	+5VDC	D	4	+5VDC	RED
GREEN	-5VDC	E	5	-5VDC	GREEN
YELLOW	+12VDC	F	6	+12VDC	YELLOW
	KEY	H	7	KEY	
		J	8	Coin Counter 1	BROWN
	Ground	K	9	Ground	
WHITE	Left Speaker -	L	10	Right Speaker +	White
		M	11	Audio (+)	
GREEN	Video Green	N	12	Video Red	PINK
GRAY/WHITE	Video Sync	P	13	Video Blue	LIGHT BLUE
VIOLET	Service Switch	R	14	Video Ground	BLACK
GRAY	RESET	S	15	Test Switch	ORANGE
		T	16	Coin Switch 1	VIOLET/WHITE
WHITE/BLACK	2P Start	U	17	1P Start	BLACK/WHITE
BROWN/BLACK	2P Control 1 UP	V	18	1P Control 1 UP	WHITE/BROWN
RED/BLACK	2P Control 2 DOWN	W	19	1P Control 2 DOWN	WHITE/RED
ORANGE/BLACK	2P Control 3 RIGHT	X	20	1P Control 3 RIGHT	WHITE/ORANGE
YELLOW/BLACK	2P Control 4 LEFT	Y	21	1P Control 4 LEFT	WHITE/YELLOW
GREEN/BLACK	2P Control 5 PUSH 1	Z	22	1P Control 5 PUSH 1	WHITE/GREEN
BLUE/BLACK	2P Control 6 PUSH 2	a	23	1P Control 6 PUSH 2	WHITE/BLUE
		b	24		
		c	25		
		d	26		
BLACK	Ground	e	27	Ground	BLACK
BLACK	Ground	f	28	Ground	BLACK

FIGURE 5

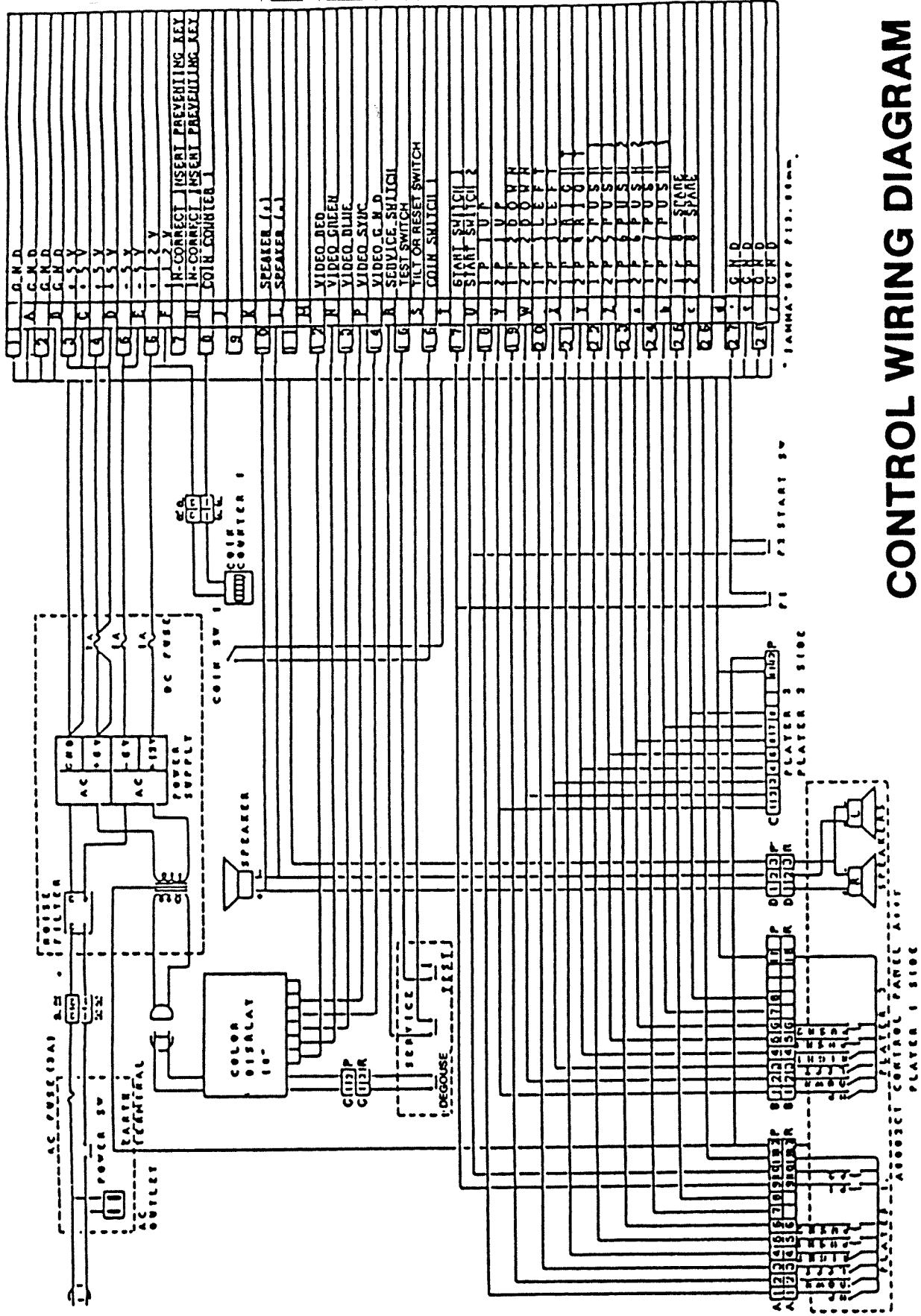


FIGURE 6

# CONTROL WIRING DIAGRAM