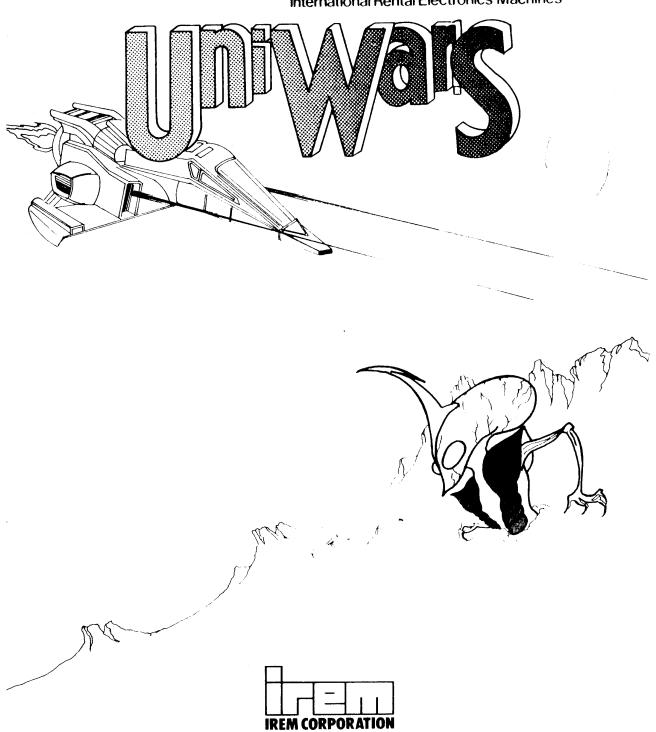
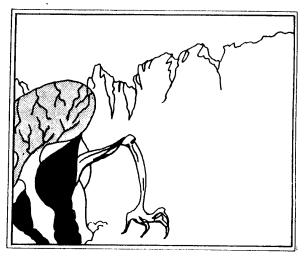
International Rental Electronics Machines



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LOCATION SETUP

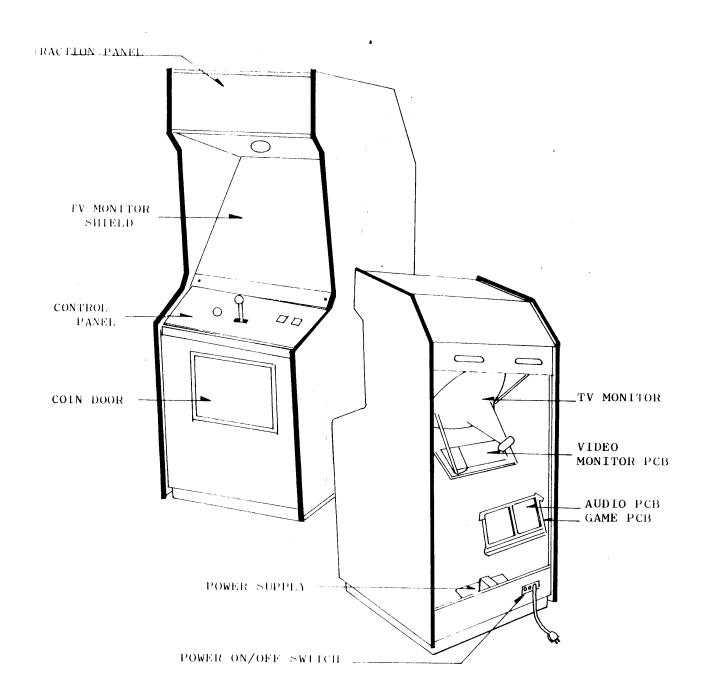




Installation Requirements

Power Requirements Power Supply	100V AC 220V AC 110 Wattes
Temperature Range	
On Location and in Storage	No lower than O degrees Centigrade (32 degrees Fahrenheit)
	No higher than 35 degrees Centigrade (95 degrees Fahrenheit)
Humidity Range	
Relative Humidit	y No more than 95%
Location Space Require	ments
Height	165 centimeters (inches)
Width	65 centimeters (inches)
Depth	865 centimeters (inches)
PV Monitor	20-inch Colour

A. INTRODUCTION

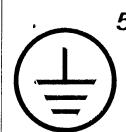


B. MATTERS TO BE ATTENDED TO THE LOCATION



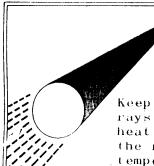
1 WATER, MOISTURE

Cabinet and Parts in the inside must be kept away from water or moisture.



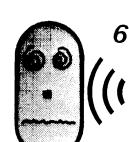
5 GROUND

Ground connection must be completed (The ground wire connects with the ground terminal)



DIRECT RAYS OF THE SUN, HEATING

Keep off the direct rays of the sun or heating, and avoid the rising of inner temperature.



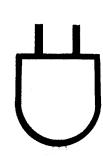
6 NOISE

Use the independent plug socket in order to keep off the obstacle from noise.



3 SHOCK IN TRANS-PORTATION OR MOVEMENT

> Pay attention to the transportation or movement because of using Color Video Monitor.



7 POWER SUPPLY

Use the power supply observing the rated voltage.



4 FIRE EXIT, FIRE DEFENSE SYSTEM

Don't set this machine around the fire exit, fire alarm or the like.



8 FOR INDOOR

This machine is for indoor only, please don't use in outdoor.

GAME PLAY





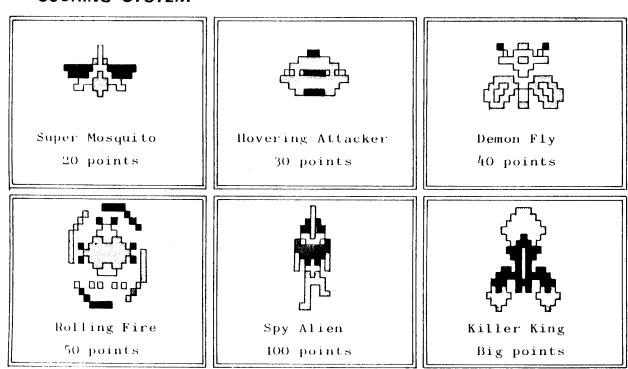
A HOW TO PLAY

INSERT COIN

PRESS BUTTON FOR ONE PLAYER OR TWO PLAYERS

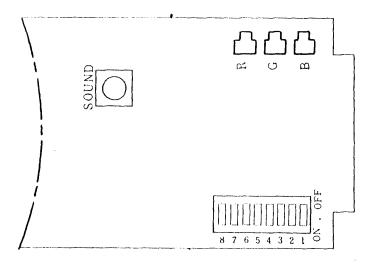
- 1. The movement of the Space Ship is controlled by the tever, and enemy attackers are shot by its fire power.
- 2. When space combat ends, ground combat starts after WARP.
- 3. Caution must be paid in moving your Space Ship as the Spy Alien underground can demolish your Ship by firing its electronic Spear.
- 4. Only a direct hit in the lower part opening can destroy the Rolling Fire.
- 5. When Killer King is exploded, the Spy Alien disappears.
- 6. A Space Ship is added when the score reaches 4,000/ 5,000/7,000 points.

SCORING SYSTEM



B. ADJUSTMENT OF LOGIC PRINTED CIRCUIT BOARD

"Uniwar S"



Adjustment of VR

Name of VR	of VR Contents		
SOUND	Sounds for Total		
R G B	Red, Green and Blue Adjustment for the Control		

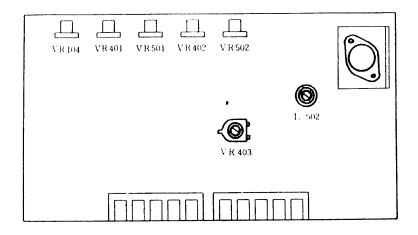
Adjustment of SW

OUN SHIFT

Contents	SW V.		2	3	L	5	6	7	8
The second secon	Free play	0	0						
Coin System	2 coin 1 play	0	•						
Coin System	l coin l play	•	•						
	1 coin 2 play	•	0						
The second secon	NO.			•	•				-
Additional points	4000			0	•				
of Spaceship	5000			•	0				
	7000			0	0				
Number of	3					•			
Spaceship	5					0			
Reflection	Turn round						1		0
Netrection	Fixation								•

[#] please keep "OFF" (SW 6 and 7)

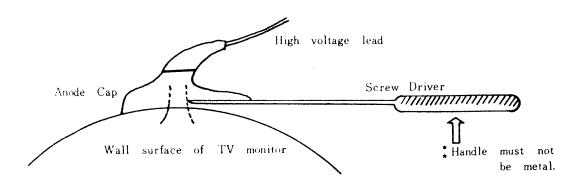
F ADJUSTMENT OF AIDEO MONITOR BOARD (KB 240142)



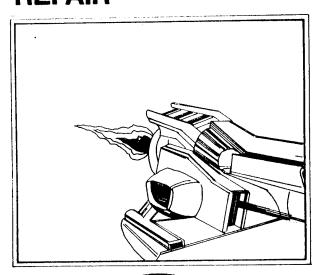
- # VR 104 ····· To abjust the brightness of screen
- # VR 401.....To stop the streaming of screen to up or down
- # VR 501 To adjust the skew stripes of screen
- $\# VR402\cdots$ To move screen to up or down
- # VR 502 To move screen to right or left
- # VR 403 ······ To adjust the width of vertical
- = L 502 ······ To adjust the width of horizontal
- # Don't touch the other VRs please.

TAKING OUT THE IV MONITORY

- 1. Pull out the AC Power source plug.
- 2. Discharge the high voltage at the monitor anode as following.
 - (a) Insert a screw driver with a long stick like a picture below, along the 'surface of TV monitor wall.
 - (b) Touch the metal spring of anode cap by the tip of driver perfectly.

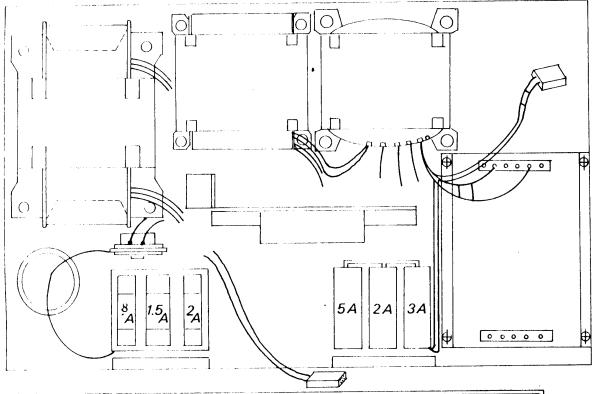


MAINTENANCE AND REPAIR



3

A. FUSE REPLACEMENT

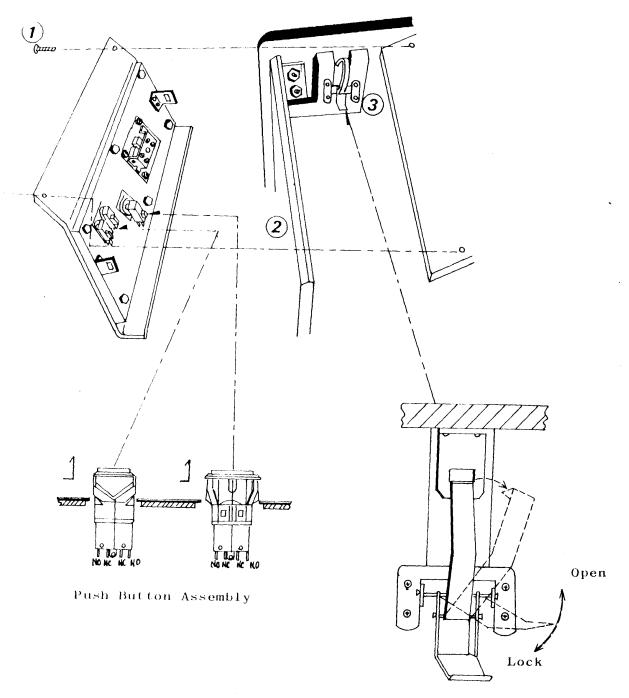


Ltem	Rated Capacity	Description
F801	2 Amp. 125 V	Use for GAME Logic P.C.B. AC 100V
F802	8 Amp. 125 V	Use for Logic P.C.B. +5 V
F803	2 Amp • 125 V	Use for Logic P.C.B. +12 V(GND side)
F804	1.5Amp. 125 V	Use for Logic P.C.B5 V(GND side)
F805	5 Amp. 125 V	Use for Monitor Circuits AC100 V
F806		Use for Over All Circuits - Line V
F902	Fast-Blow 1.25 Amp. 125V	Use for Monitor P.C.B. AC100 V

ltem	Rated Capacity	Line Volatage
	5 Amp. 250 V	120 V
F806	3 Amp. 250 V 22	220 V, 240 V

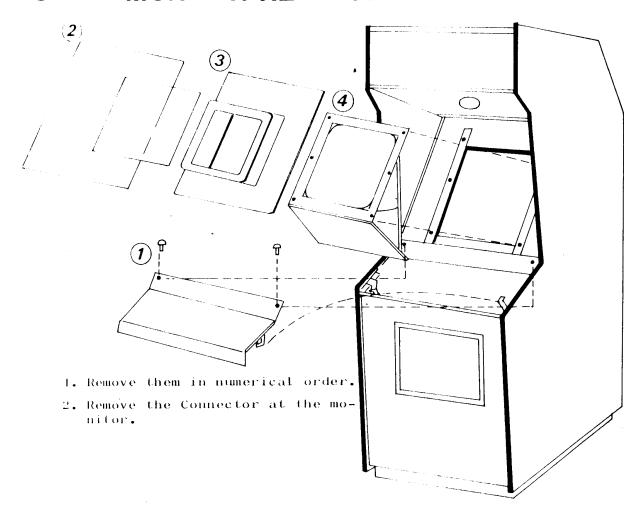
B. OPENING THE COUNTROL PANEL

- 1. Remove the bolts.
- 2. Open the Coin-Door.,
- 3. Remove the Control Panel Retainer.



Control Panel Retainer

C. TV MONITOR REPLACEMENT

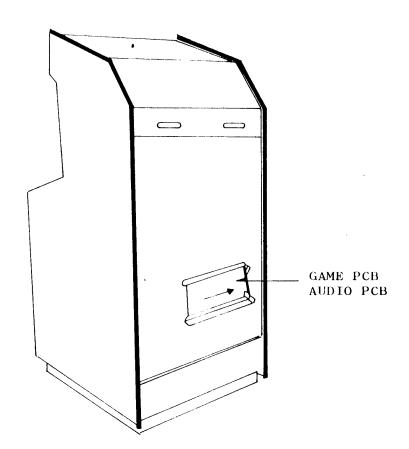




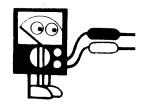
- # Attention to High Voltage
 Please pay attention to high-tension circuit
 in the Color Video Monitor.
- # Door Switch
 When top board is opened, power source switch
 will be turned off.

Figure 3. TV Monitor Removal

D. PRINTED CIRCUIT BOARD REPLACEMENT



1. Check on the Tester



Don't examine the circuit with your lester even if you tound the defect of PCB. Because the voltage in the Tester may destroy the parts.

2. Treatment for PCB



Pay attention to handling PCB.If you touch the parts on PCB or keep in the sun light, the internal destruction will be invited. **OFF**

3. Taking out or Putting in of PCB

When you take out or put in the PCB, please take out the power source plug beforehand.

E. FLUORESCENT TUBE REPLACEMENT

- 1. Operate in numerical order.
- 2. When you remove No. 5 bolt, it is also possible to make a speaker exchange.

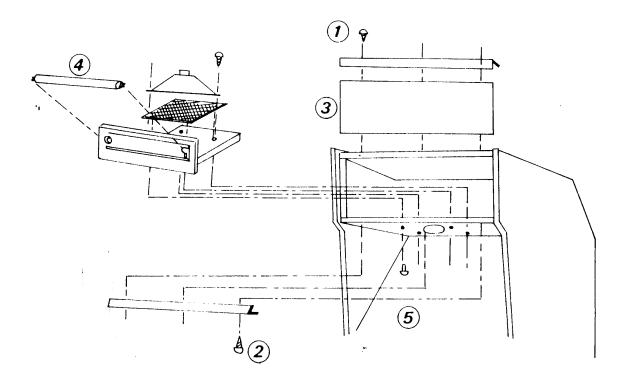
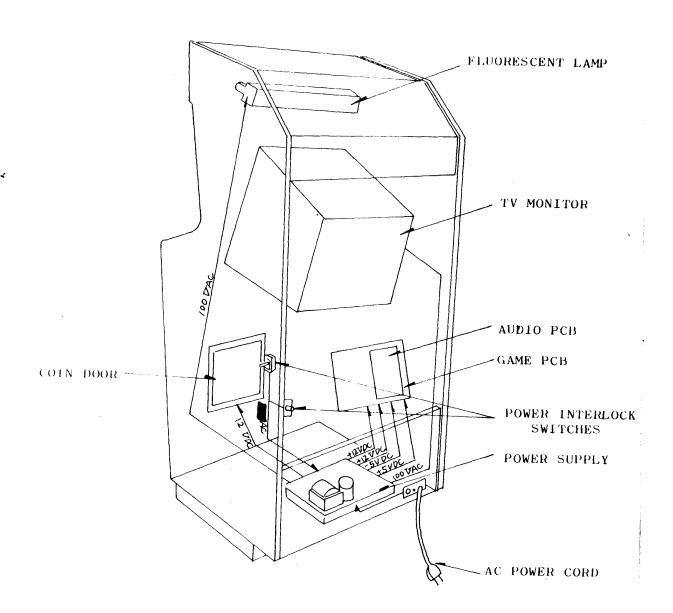


Figure 5. Fluorescent tube replacement

F. GAME OPERATION



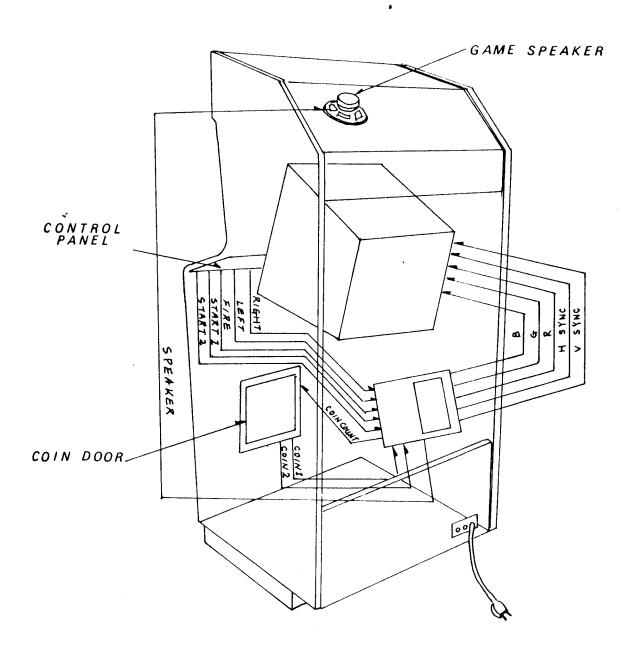
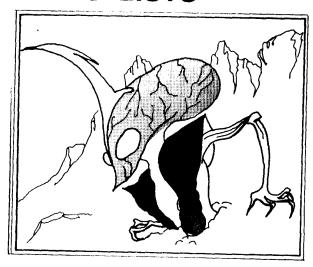


Figure 7. Signal Distribution

ILLUSTRATED PARTS LISTS





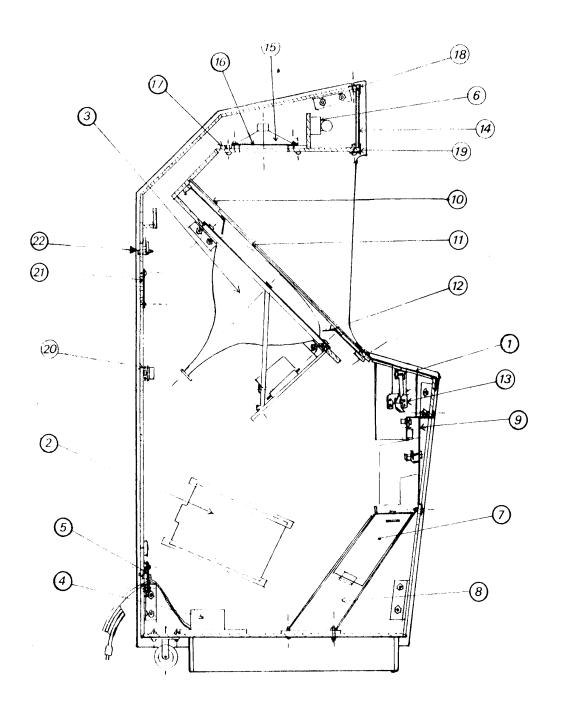


Figure 8. Final Assembly

FINAL ASSEMBLY PARTS LIST

Ltem	Part No.	Description			
1.	3E09016AA	Control Panel Assembly See Figure			
2.	3E09006AA	Game P.C.B. Assembly (PA)			
,	3E09 019 AA	TV Monitor Assembly			
1 4.	3E09011AA	Power Supply Assembly			
5.	3E09020AA	ON/OFF switch and power cord See Figure			
6.	0F09329AA	Fluorescent Light Assembly			
7.	3X09002AA	Coin Box Assembly			
8	3X56003AA	Coin Box Bracket			
9.	2B47256AC	Coin Door Assembly See Figure			
10.	3X57004AA	TV Monitor Shield with graphics			
11.	3X57005AA	Smoke Panel			
12.	3X57006AA	TV Monitor Mask			
13	3X56007AA	Control Panel Retainer			
14.	3X57008AA	Attraction Panel with graphics			
15.	OF35328A1	Speaker			
16.	3X57009AA	Speaker Grille			
17.	3X57010AA.	Speaker Mount Board			
18.	3X57011AA	Upper Retainer Strip			
19.	3X57012AA	Lower Retainer Strip			
20.	OF45020A2	Interlock Switch			
21.	3X57013AA	Air Condition Grille			
22	3X570 14AA	Access Panel Lock			

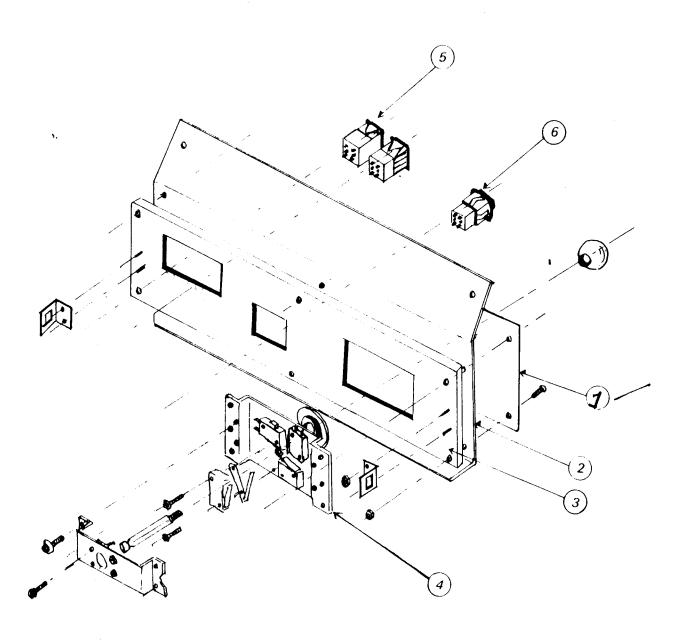


Figure 9. Control Panel Assembly

Ltem	Part No.	Description	
1	3X57019AA	Control Panel with graphics	
2.	3X57022AA	Control Panel Box	
3.	3X56020AA	Control Panel Support	
4.	3E09013AA	Control Lever Assembly	
5.	OF45331A1	1 Player, 2 Players Start Switch	
6.	OF45330A1	Fire Switch	

Figure

Coin Door Assembly Parts List

ltem 1.	Part No. 2B47257AC	Description Coin Door Weldment
2.	OF49300A1	Coin Selector Assembly
3.	OF 39326A1	Coin Counter
/1 -	OF45020A1	Interlock Switch
5.	OF45004A2	Service Switch
6.	OF49004A9	Coin Door Lock
7.	OF45005A1	Coin Selector Switch Assembly

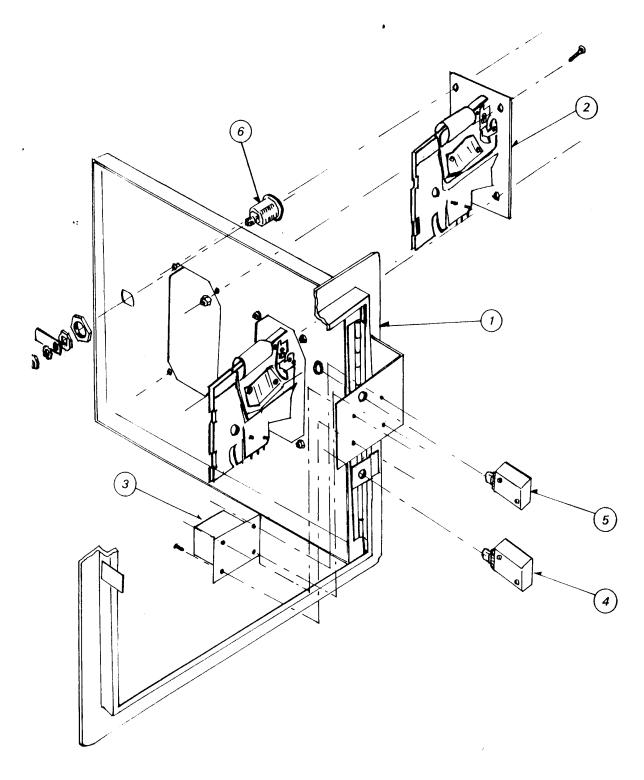


Figure 10. Coin Door Assembly

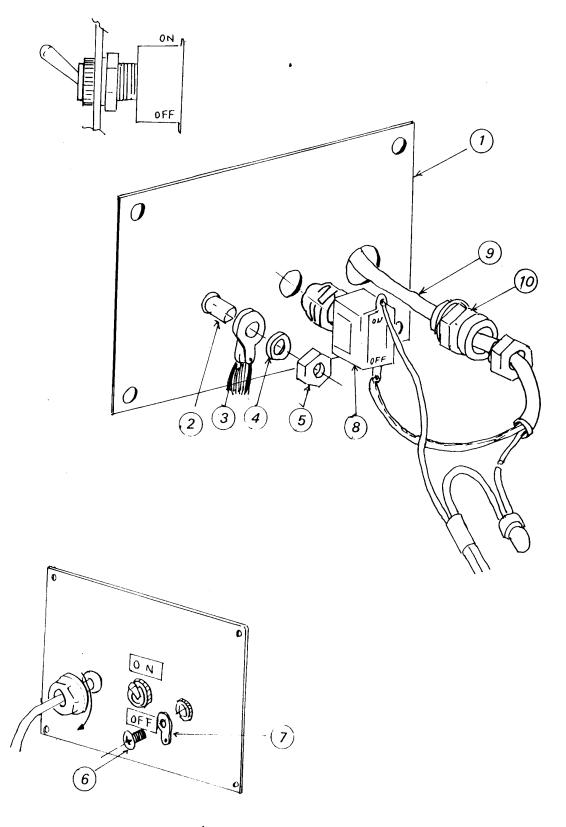
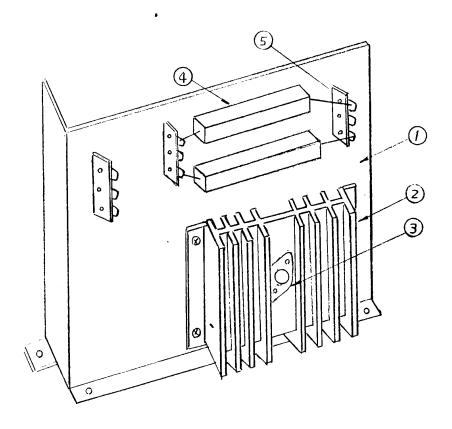


Figure 11. ON/OFF Switch and Power Cord

Item	Part No.	Description	
1.	3A57522AA	ON/OFF Switch Bracket	
2.	3A59526AA	Earth Terminal	
3.		Earth Terminal Processed Goods	
4.	FF91060ZD	Spring	
5.	FF69060ZD	Nut-Hex.	
6.	BF764060N	Screw-N-Truss	
7.	OF44003A2	Lug-Terminal .	
8.	OF45008A1	Power Switch	
9.	OF54321A2	Power Cord	
10.	OF54323A1	Cord Bushing	

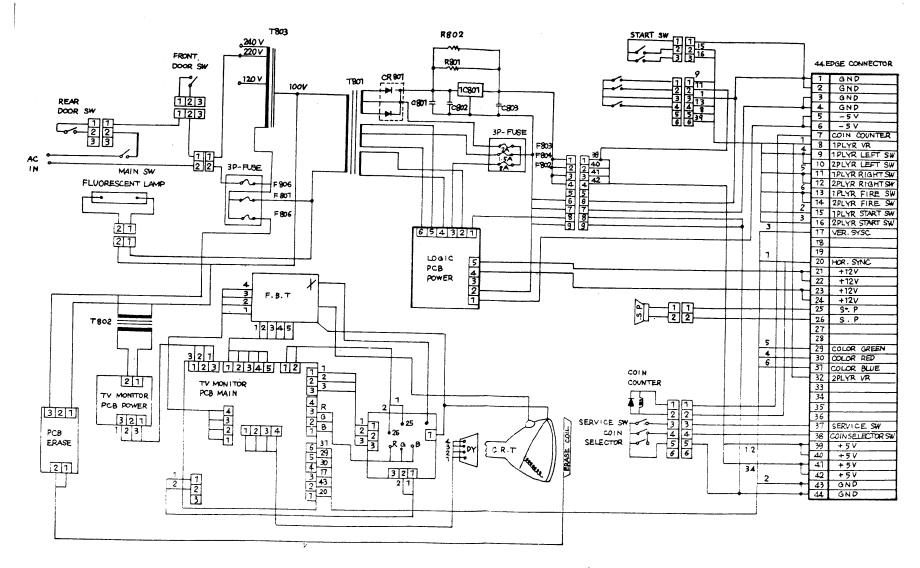


Figure

Item	Parts Number	્'ty	Description
1	3056189AA	1	IC Radipter Base
2	0 F49007A1	1	IC Radiater
3	OF26008A1	1	IC SI-3554M
14	OGO43R9KK	2	Resister-Cement
5	ÒF44010A1	3,	1L2P Lug-Terminal

Voltage Regulator Assembly

7E09005AA



Uni War. S Wire Harness Schematic Diagram