




DEVASTATORS™

INSTRUCTION MANUAL

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PARTS LIST

Part Number	Item	Quantity Per U/R
890010	AC Harness	1
890011	DC Harness	1
30110	Button Red-L	2
30111	Button White-L	2
39112	Button Blue-L	2
40101	Coin Doors	1
890100	Control Panel Overlay	1
890700	CRT Bezel	1
890200	Marquee Styrene	1
890300	S-Decal Lt.	1
890302	S-Decal Rt.	1
890301	S-Decal Top	2
40605	FCC Cage	1
35102	Fuses #2 AMP	1
35104	Fuses #4 AMP	1
35105	Fuses #5 AMP	2
35201	ISO. Trans.	1
30305	J. Stix Blue	1
30304	J. Stix Red	1
40604	Lite Shlds.	1
35300	Line Filter	1
40801	Locks	1
40802	S. Washers	1
890400	Manuals	1
890401	Schematic X3	1
40203	Marq. Bracket	1
40701	Lite Fixture	1
40306	Marq. Plastic	1
40301	Tempered Glass	1
30202	Switch Holder	6
30250	Palnuts	6
35401	Power Supply	1
890500	Outer Sleeve (Box)	1
890504	Corner Post Front	2
890505	Corner Post Back	2
890506	Bottom Pad	1
890507	Bottom Tray	1
40509	Vertical Monitors	1

DEVASTATORS: WIRING HARNESS

WIRE COLOR KEY:		← Solder Side	→ Parts Side		
BLACK	GND	A	1	GND	BLACK
BLACK	GND	B	2	GND	BLACK
RED	+5V DC	C	3	+5V DC	RED
RED	+5V DC	D	4	+5V DC	RED
	NOT USED	E	5	NOT USED	
ORANGE	+12V DC	F	6	+12V DC	ORANGE
	*KEY	H	7	*KEY	
BROWN/YELLOW	COIN COUNTER	J	8	COIN COUNTER	GREEN/GRAY
	(EMPTY)	K	9	(EMPTY)	
YELLOW	SPEAKER (-)	L	10	SPEAKER (+)	BLUE
	(EMPTY)	M	11	(EMPTY)	
WHITE/GREEN	VIDEO GREEN	N	12	VIDEO RED	RED/WHITE
WHITE	VIDEO SYNC	P	13	VIDEO BLUE	BLUE/WHITE
	(EMPTY)	R	14	VIDEO GROUND	BLACK
	(EMPTY)	S	15	(EMPTY)	
VIOLET/WHITE	COIN 2	T	16	COIN 1	BLUE/BROWN
RED/GREEN	2P START	U	17	1P START	RED/YELLOW
BLUE/YELLOW	2P UP	V	18	1P UP	ORANGE/WHITE
VIOLET/YELLOW	2P DOWN	W	19	1P DOWN	BLACK/WHITE
ORANGE/GREEN	2P LEFT	X	20	1P LEFT	RED/GRAY
ORANGE/YELLOW	2P RIGHT	Y	21	1P RIGHT	GRAY/WHITE
BLACK/YELLOW	2P SHOOT	Z	22	1P SHOOT	RED/WHITE
ORANGE/GRAY	2P GRENADE	a	23	1P GRENADE	GREEN/BROWN
	NOT USED	b	24	NOT USED	
	NOT USED	c	25	NOT USED	
	NOT USED	d	26	NOT USED	
BLACK	GND	e	27	GND	BLACK
BLACK	GND	f	28	GND	BLACK

(BASE COLOR/LINE COLOR)

DIP SWITCH SETTINGS

DIP SWITCH NO. 1 SETTINGS

1. COIN 1

SW	1	2	3	4	COIN	PLAY
•	OFF	OFF	OFF	OFF	1	1
	ON				1	2
	OFF	ON			1	3
	ON				1	4
	OFF	OFF	ON	OFF	1	5
	ON				1	6
	OFF	ON			1	7
	ON				2	1
	OFF	OFF	OFF	ON	2	3
	ON				2	5
	OFF	ON			3	1
	ON				3	2
	OFF	OFF	ON	ON	3	4
	ON				4	1
	OFF	ON			4	3
	ON				FREEPLAY	

2. COIN 2

SW	5	6	7	8	COIN	PLAY
•	OFF	OFF	OFF	OFF	1	1
	ON				1	2
	OFF	ON			1	3
	ON				1	4
	OFF	OFF	ON	OFF	1	5
	ON				1	6
	OFF	ON			1	7
	ON				2	1
	OFF	OFF	OFF	ON	2	3
	ON				2	5
	OFF	ON			3	1
	ON				3	2
	OFF	OFF	ON	ON	3	4
	ON				4	1
	OFF	ON			4	3
	ON				VOID	

FREEPLAY: You can play game without coins.

DIP SWITCH NO. 2 SETTINGS

1. THE NUMBER OF PLAYER'S LIFE

SW	1	2	NUMBER
•	OFF	OFF	2
	ON		3
	OFF	ON	5
	ON		7

2. BONUS LIFE

SW	4	5	BONUS LIFE
•	OFF	OFF	At 150 pts. then every 200 pts.
	ON		At 150 pts. then every 250 pts.
	OFF	ON	At 150 pts. only
	ON		At 200 pts. only

3. DIFFICULTY OF THE GAME

SW	6	7	DIFFICULTY
•	OFF	OFF	EASY
	ON		NORMAL
	OFF	ON	DIFFICULT
	ON		VERY DIFFICULT

4. SOUND IN ATTRACTIVE MODE

SW	8	SOUND
•	OFF	OFF
	ON	ON

SW3 is not used.

DIP SWITCH NO.3 SETTINGS

1. VIDEO SCREEN FLIP

SW	1	
•	OFF	NORMAL
	ON	UPSIDE DOWN

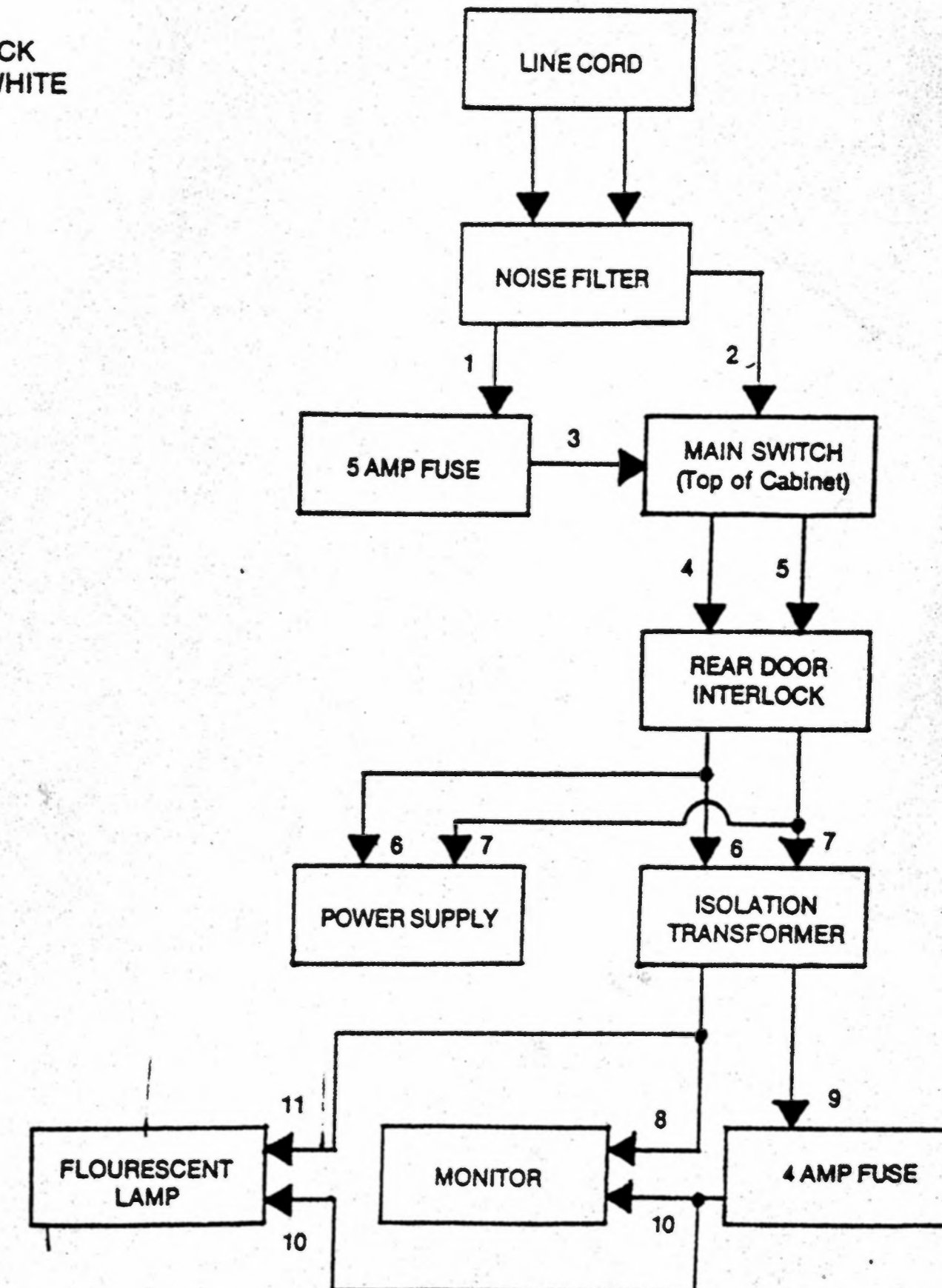
2. CHANGE OF MODE

SW	3	MODE
•	OFF	GAME
	ON	TEST

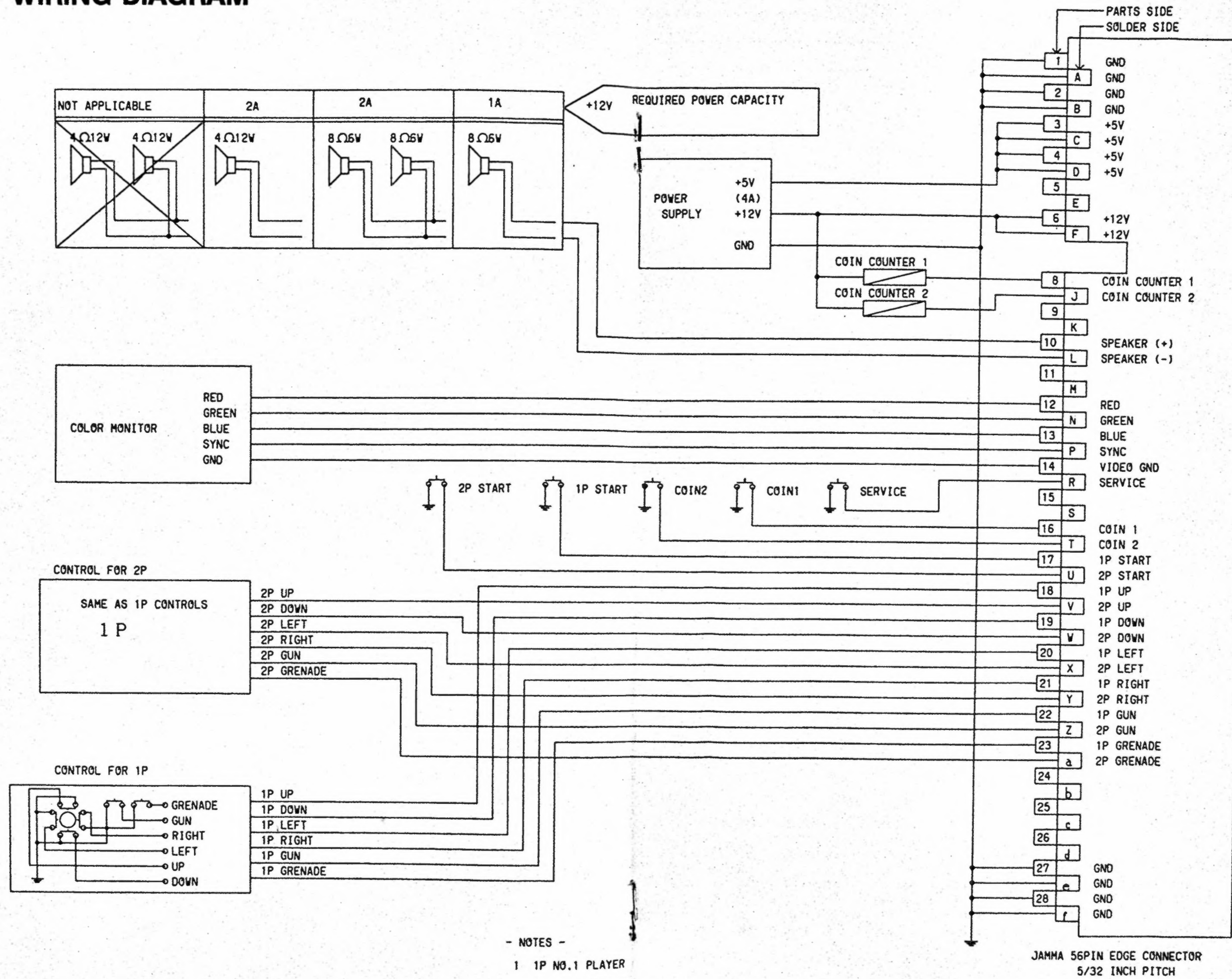
SW2 and SW4 are not used.
• Shows recommended settings

DEVASTATORS: AC FLOW CHART

1. GREEN/YELLOW
2. BLACK
3. RED
4. BLUE
5. BROWN
6. RED/BLACK
7. BLACK/WHITE
8. WHITE
9. GREEN
10. VIOLET
11. ORANGE



DEVASTATORS: WIRING DIAGRAM

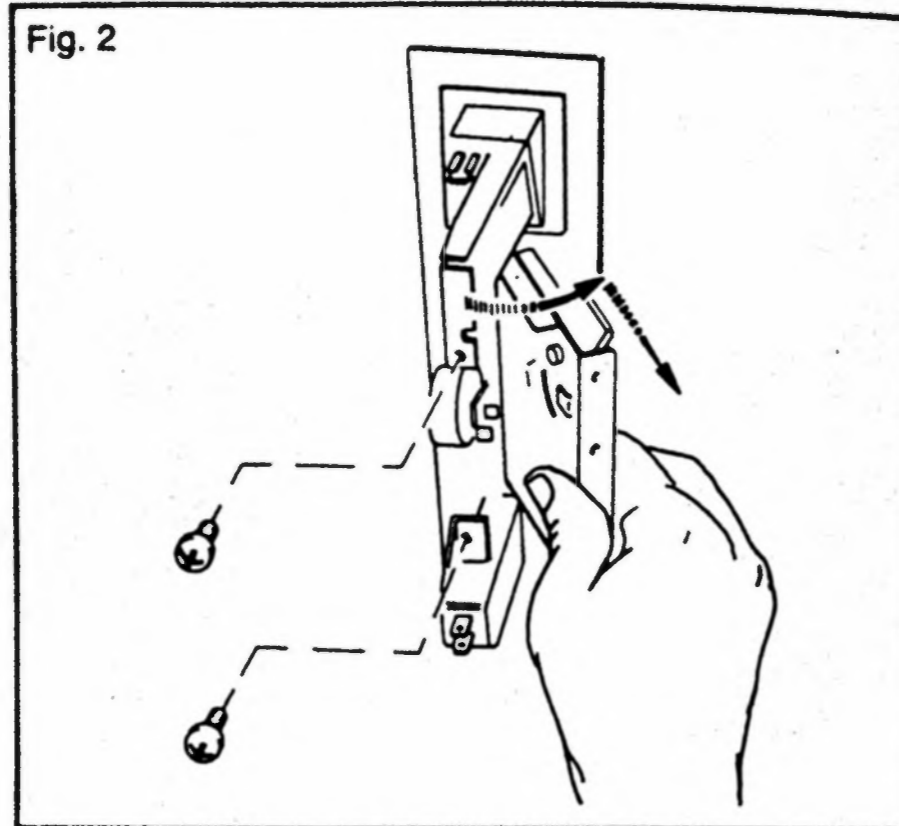
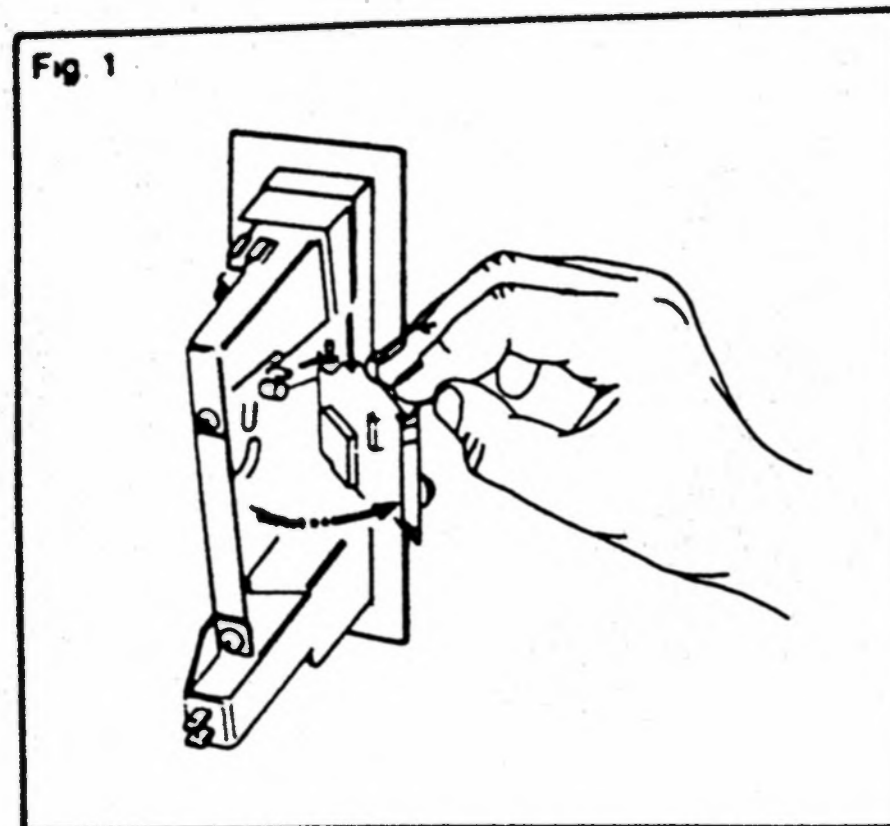


- NOTES -

- 1P NO.1 PLAYER
2P NO.2 PLAYER
- SURGE KILLER DIODES FOR COIN COUNTER INSTALLED ON THE P.C.B.

Gold Mech: Service Information

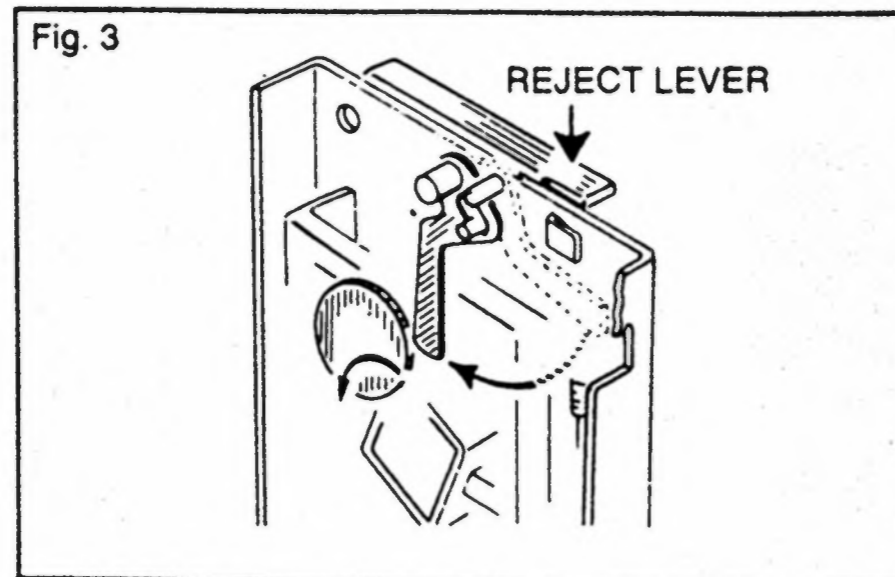
CLEANING and CARE of the MECHANISM



Removal of Mechanism

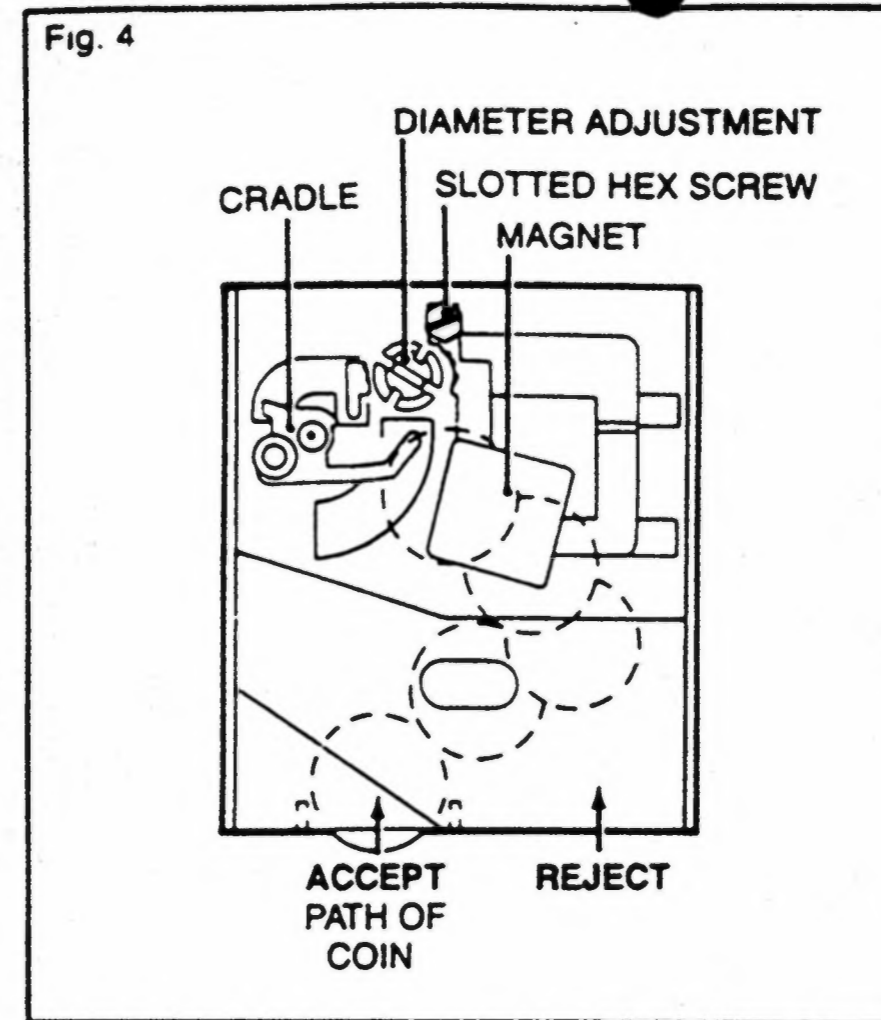
To remove the coin selector: Unscrew the two screws (as SHOWN IN Fig. 2)—swing rear of selector body away from the lock-out side and withdraw.

The Gold Mech Acceptors are designed to require a minimum of maintenance and field adjustment. Coins are checked by diameter and thickness, weight, metal content, bounce, and for ferromagnetic coins such as nickel and steel, a rim test is also used.



The Magnet

Coins that are too thick will fail to pass between the magnet and the backplate of the mechanism; and will be cleared by the magnet wiper when the reject lever is actuated. (Fig. 3)



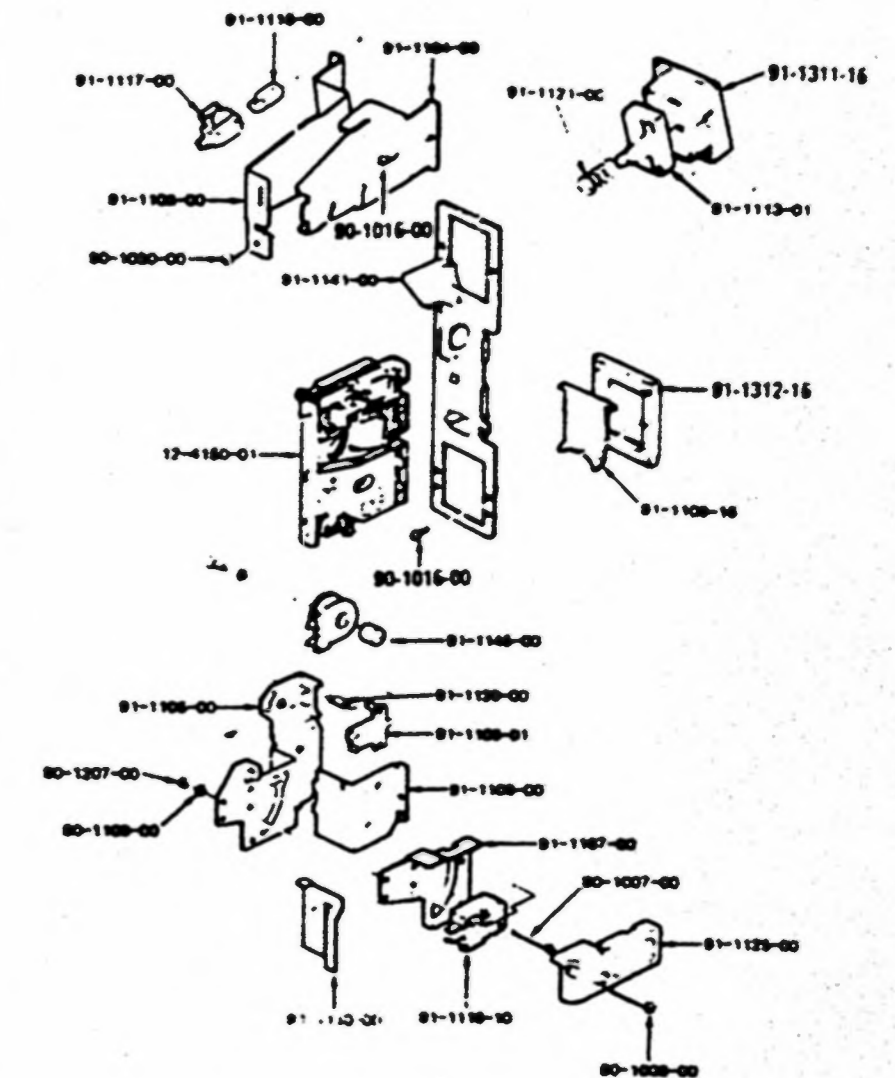
The first check on the coin is at the entry slot which prevents the entry of grossly oversize and bent coins. The next test is at the cradle. When the correct coin falls into the cradle, the cradle tips and the coin is delivered to the magnet check. Under-diameter coins fall between the legs of the cradle and are returned to reject. Under-weight coins fail to tip the cradle and can be returned to reject by pressing the reject lever.

Adjustment

The Gold Mech Acceptors are factory adjusted for optimum performance. If more critical adjustments are desired, or if the unit has been disassembled, the following adjustment procedure is suggested. (Fig. 4)

1. Ensure that the mechanism is in an upright and level position.
2. Loosen the hex locking screw on the magnet holder and unscrew the slotted hex screw.
3. Place a true U.S. 25¢ coin in the mechanism. Turn the diameter adjustment (Fig. 4) clockwise until the coin falls into the cradle. The cradle should tip and the coin come to rest on the side of the magnet. Turn the slotted hex screw clockwise until the coin just clears the magnet. Give this screw a further 1/2 turn clockwise for optimum clearance and tighten the locknut.

Base Plate Assembly for Coin Doors and Front Plates



Part Number	Description
12-4150-01	Gold Mech Acceptor
90-1000-00	Keyhook Bezel Screw
90-1007-00	Flat Head Microswitch Mounting Screw
90-1008-00	Pan Head Microswitch Mounting Screw
90-1016-00	CPJS/Bezel Screw
90-1030-00	Mounting Screw for Gold Mech
90-1032-00	Bezel/Hinge Screw PZ
90-1109-00	Lock Washer for Microswitch Assembly
90-1207-00	Nut for Microswitch Mounting Screw
91-1103-00	Coin Inlet Lamp Side
91-1104-00	Coin Inlet Cover Side
91-1105-00	Reject Cup Side Plate
91-1106-00	Reject Cup Base Plate
91-1107-00	Microswitch Bracket
91-1108-00	Lockout Flap U.S. 25¢
91-1109-16	Reject Flap
91-1110-00	Metal Switch Adjuster
91-1113-01	Entry/Reject Button U.S. 25¢
91-1116-10	Microswitch (Red End Arm)
91-1117-00	Lampholder
91-1118-00	GV Wedge Base Lamp
91-1120-00	Lockout Spring
91-1121-00	Button Spring
91-1125-00	Clear Plastic Cover for Microswitch
91-1141-00	Base Plate w/Pivot Coil
91-1145-00	12V DC Lockout Coil
91-1311-16	Black Nylon Button Bezel
91-1312-16	Black Nylon Reject Bezel

Coin Switch

The coin switch comes in two different spring tensions—identified by the color of the plastic boss at the wire's pivot point.

Red: Light tension—U.S. 25¢

White: Heavy tension—heavy foreign coins

USER INFORMATION
WARNING
F.C.C. REGULATION COMPLIANCE

THIS EQUIPMENT COMPLIES WITH THE REQUIREMENTS IN PART 15 OF FCC RULES FOR A CLASS A COMPUTING DEVICE. OPERATION OF THIS EQUIPMENT IN A RESIDENTIAL AREA MAY CAUSE UNACCEPTABLE INTERFERENCE TO RADIO AND TV RECEPTION REQUIRING THE OPERATOR TO TAKE WHATEVER STEPS ARE NECESSARY TO CORRECT THE INTERFERENCE.



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