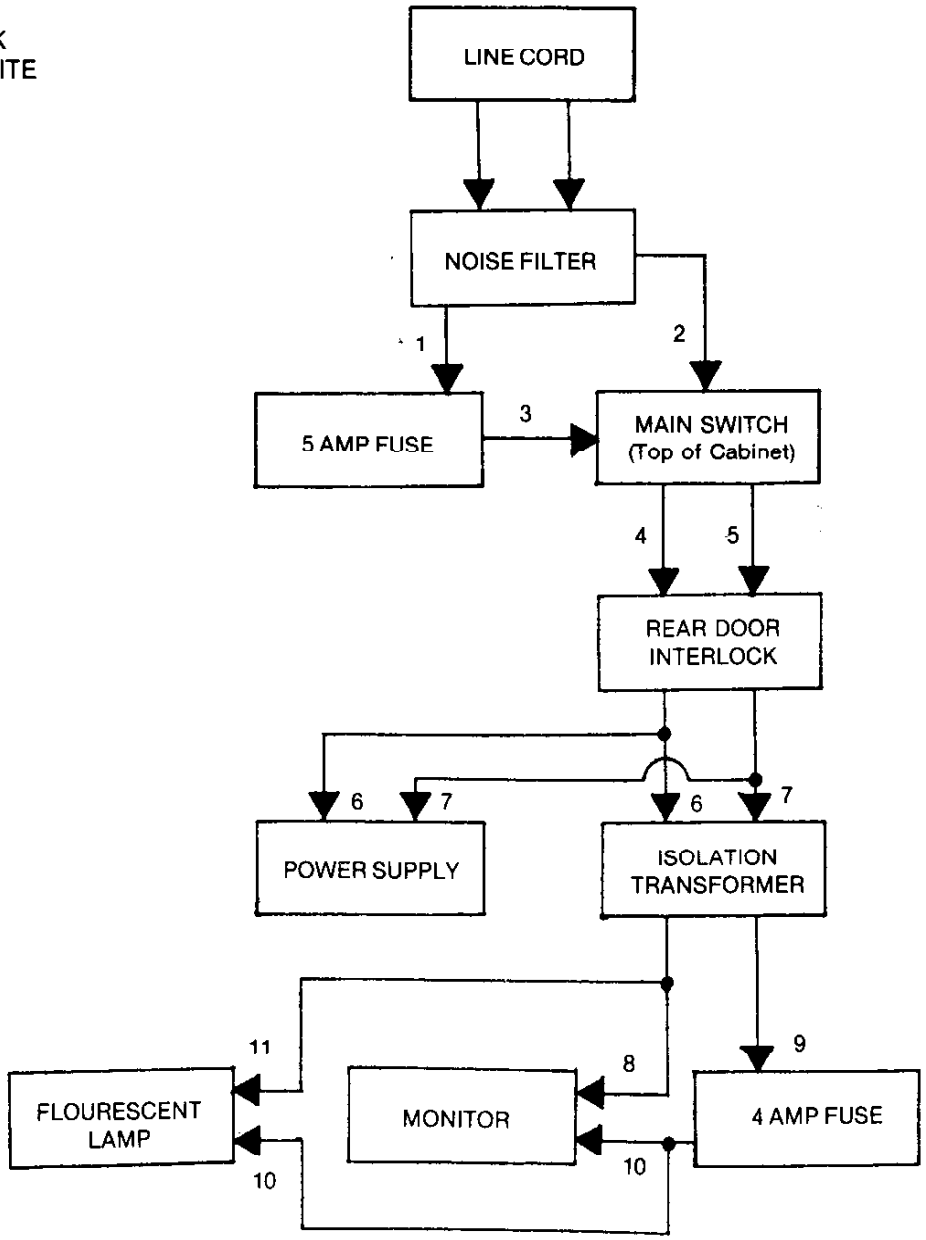
KONAMI®

BLADES OF STEEL

BLADES OF STEEL: 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



BLADES OF STEEL: 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
		E	5		
ORANGE	+12V DC	F	6	+12V DC	ORANGE
	*KEY	H	7	*KEY	
BROWN/YELLOW	COIN COUNTER 2	J	8	COIN COUNTER 1	GREEN/GRAY
		K	9		
BROWN/WHITE	SPEAKER	L	10	SPEAKER	YELLOW/BROWN
		M	11		
WHITE/GREEN	VIDEO GREEN	N	12	VIDEO RED	RED/WHITE
WHITE	*VIDEO SYNC*	*P*	*13*	*VIDEO BLUE*	*BLUE/WHITE*
		R	14	VIDEO GROUND	BLACK
		S	15		
VIOLET/WHITE	COIN 2	T	16	COIN 1	BLUE/BROWN
RED/GREEN	2P START	U	17	1P START	PINK/YELLOW
		V	18		
		W	19		
		X	20		
		Y	21		
BLACK/YELLOW	2P ATTACK	Z	22	1P ATTACK	PINK/WHITE
ORANGE/GRAY	2P JUMP	a	23	1P JUMP	GREEN/BROWN
BLUE/GRAY	2P PUNCH	b	24	1P PUNCH	GREEN/YELLOW
		c	25		
		d	26		
BLACK	GND	e	27	GND	BLACK
BLACK	GND	f	28	GND	BLACK

(BASE COLOR/LINE COLOR)

(* FOR TRACK BALL SEE PAGE 4)

DIP SWITCH NO. 1 SETTINGS

1. COIN SWITCH No. 1 SETTINGS

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

2. COIN SWITCH NO. 2 SETTINGS

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

DIP SWITCH NO. 2 SETTINGS

1. SOUND AND MONITOR FOR TABLE/UPRIGHT

SW	3	TYPE
	OFF	TABLE
•	ON	UPRIGHT

2. DIFFICULTY OF THE GAME

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

3. SOUND IN ATTRACTIVE MODE

SW	8	SOUND
	OFF	OFF
•	ON	ON

*SW 1 AND SW 2 OF DIP SW NO. 2 ARE NOT USED

*SW 4 AND SW 5 OF DIP SW NO. 2 ARE NOT USED

DIP SWITCH NO. 3 SETTINGS

1. VIDEO SCREEN FLIP

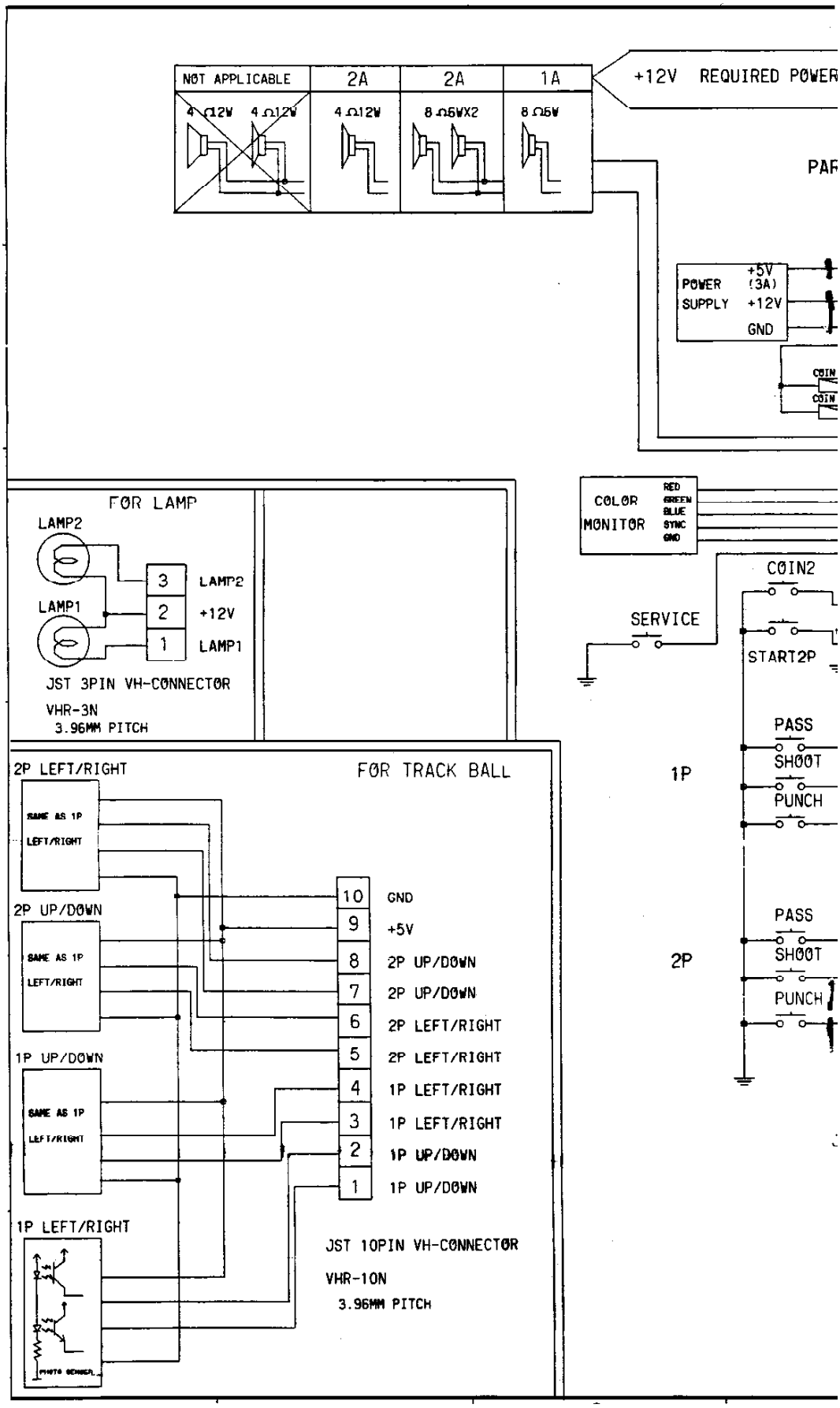
SW	1	
•	OFF	NORMAL
	ON	UPSIDE DOWN

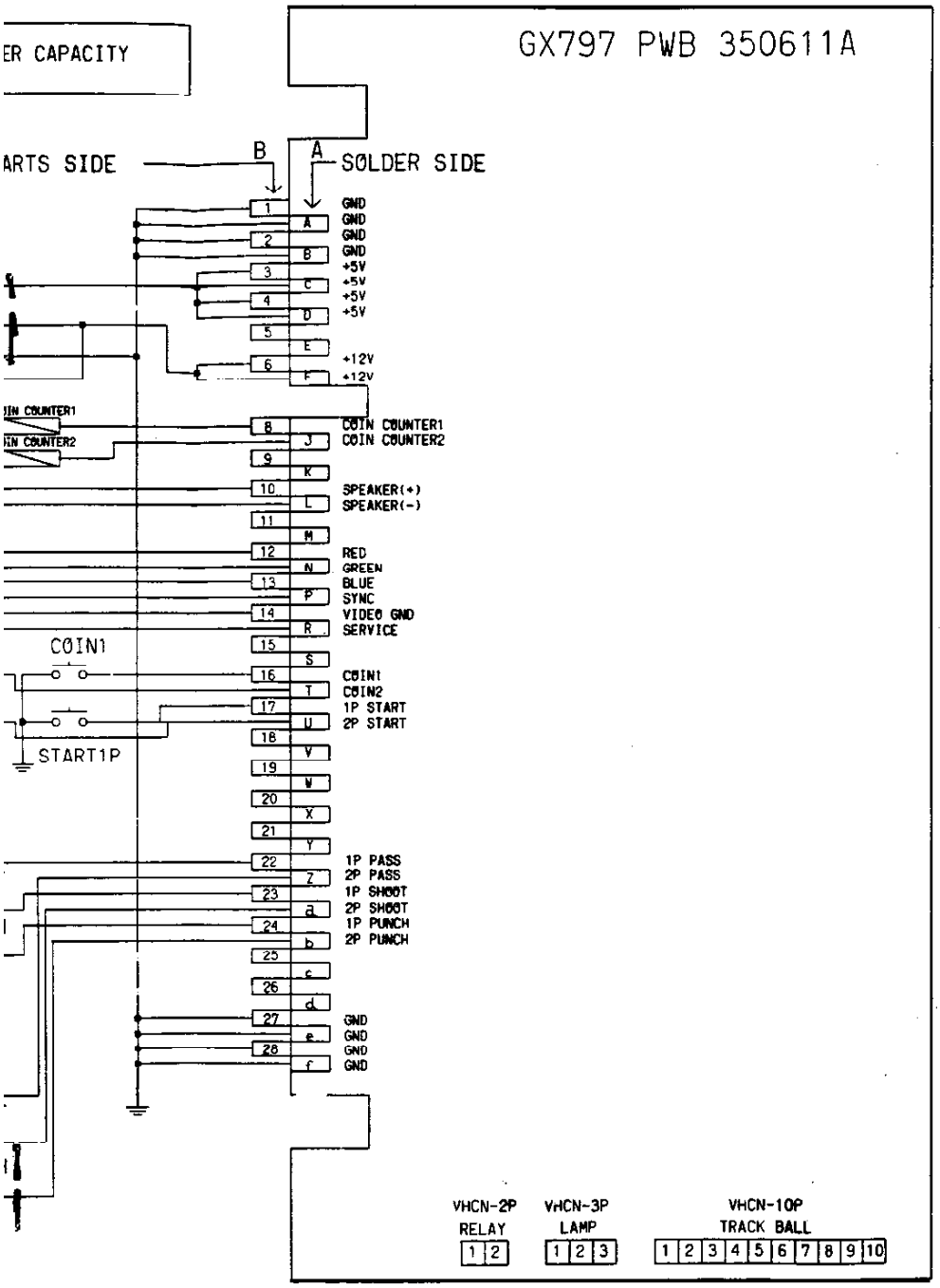
2. CHANGE OF MODE

SW	3	MODE
•	OFF	GAME MODE
	ON	TEST MODE

*SW 2 AND SW 4 OF DIP SW NO. 3 ARE NOT USED

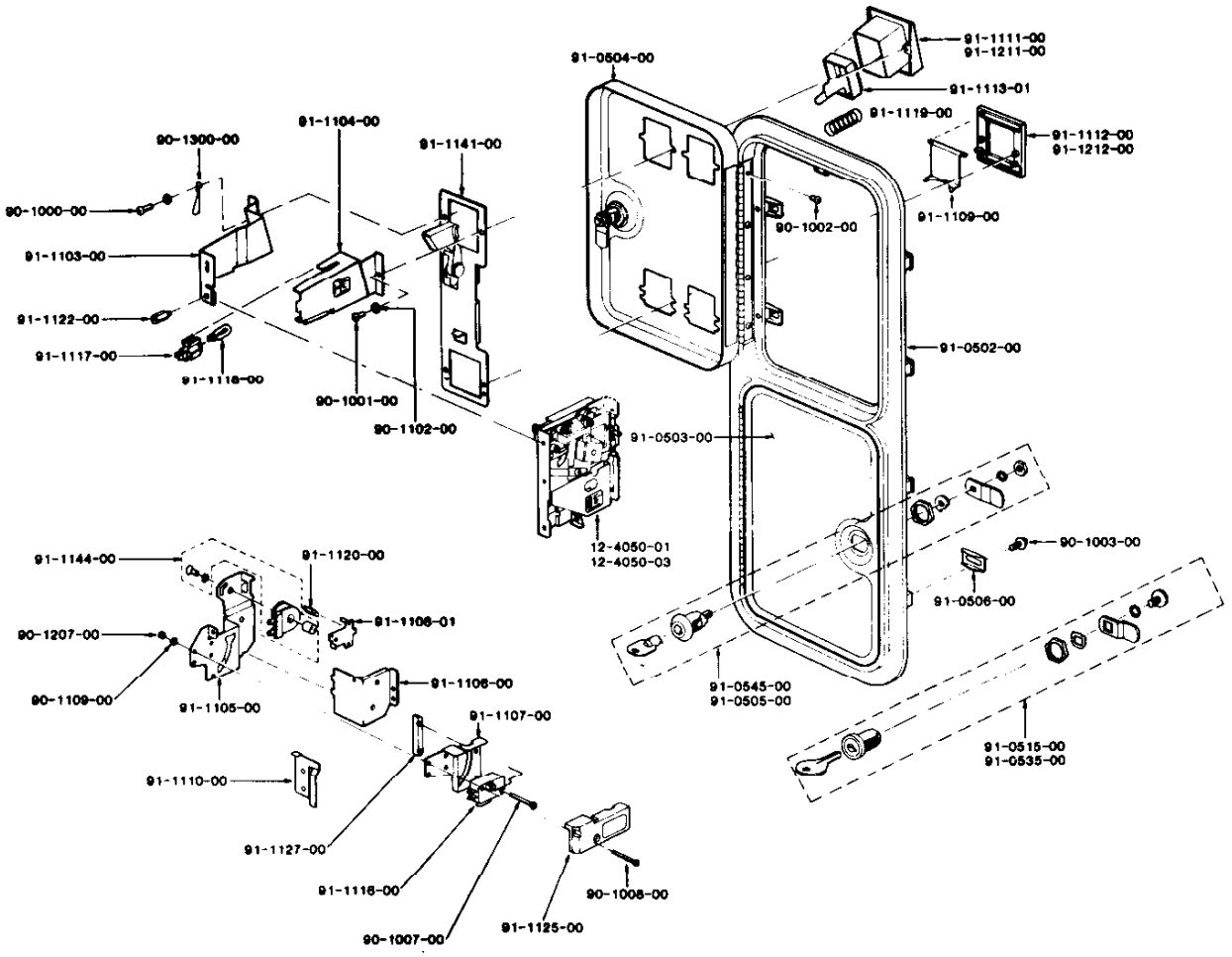
• Shows recommended settings


NOT APPLICABLE
2A
2A
1A
+12V REQUIRED POWER
4 Ω12W
4 Ω12W
4 Ω12W
8 Ω6WX2
8 Ω6W
POWER SUPPLY
+5V (3A)
+12V
GND
COIN
COIN
FOR LAMP
LAMP2
LAMP1
3
2
1
LAMP2
+12V
LAMP1
JST 3PIN VH-CONNECTOR
VHR-3N
3.96MM PITCH
COLOR MONITOR
RED
GREEN
BLUE
SYNC
GND
COIN2
SERVICE
START2P
PASS
SHOOT
PUNCH
1P
PASS
SHOOT
PUNCH
2P
2P LEFT/RIGHT
FOR TRACK BALL
SAME AS 1P LEFT/RIGHT
2P UP/DOWN
SAME AS 1P LEFT/RIGHT
1P UP/DOWN
SAME AS 1P LEFT/RIGHT
1P LEFT/RIGHT
PHOTO SENSER
10
9
8
7
6
5
4
3
2
1
GND
+5V
2P UP/DOWN
2P UP/DOWN
2P LEFT/RIGHT
2P LEFT/RIGHT
1P LEFT/RIGHT
1P LEFT/RIGHT
1P UP/DOWN
1P UP/DOWN
JST 10PIN VH-CONNECTOR
VHR-10N
3.96MM PITCH



KONAMI	KONAMI INDUSTRY CO..LTD.						
DESIGN	DRAW	CHECK	APPROVE		RELEASE DATE	87 . 7 . 21	
T. MATSUURA	T. MATSUURA			SCALE	1 : 1	TOLE-RANCE	A3

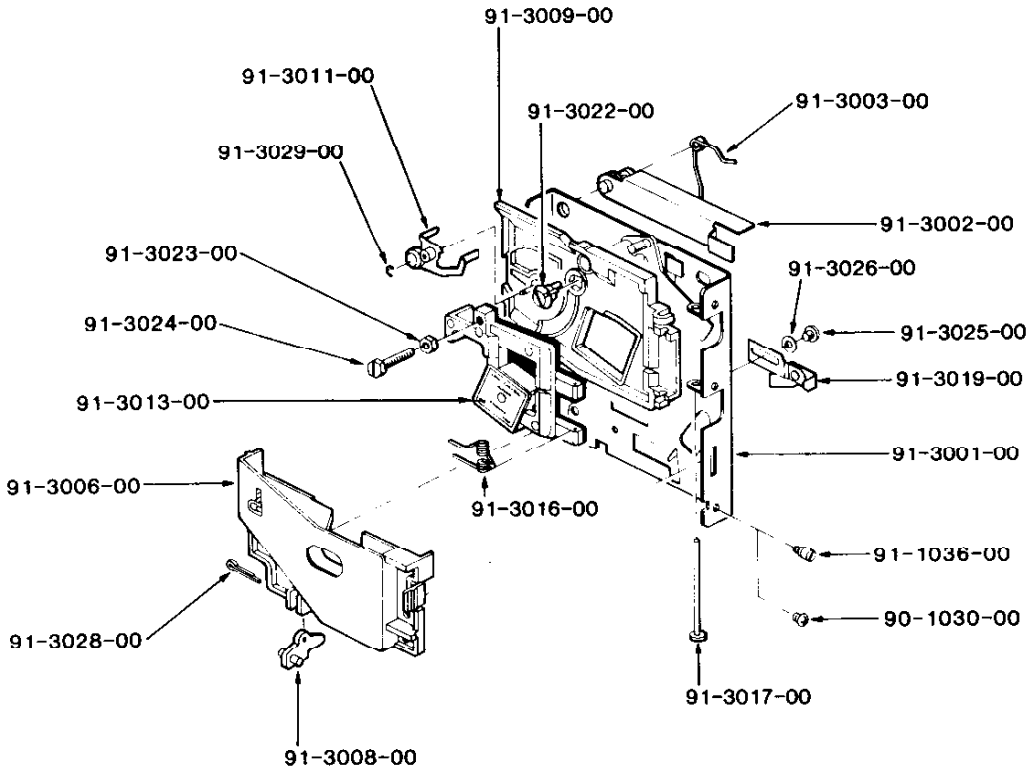
COMPLETE COIN DOOR ASSEMBLY
EXPLODED VIEW



PARTS LIST

12-4050-01 S-10 Acceptor Body US 25¢
12-4050-03 S-10 Acceptor Body Canadian 25¢
20-4177-00 Plastic Cash Box
20-4179-00 Steel Enclosure
22-1400-00 Locking Bar
24-1150-00 Wire Harness
90-1000-00 Keyhook Bezel Screw
90-1001-00 Bezel Screw
90-1002-00 Hinge Screw
90-1003-00 Clamp Screw
90-1007-00 Flat Head Microswitch Mounting Screw
90-1008-00 Panhead Microswitch Mounting Screw
90-1102-00 Washer for Bezel Screw
90-1207-00 Nut for Microswitch Mounting Screw
90-1300-00 Keyhook
91-0502-00 Zinc Die Cast Frame
91-0503-00 Lower Door
91-0504-00 Upper Door
91-0505-00 Round Lock and Cam Assembly
91-0506-00 Clamp
91-0515-00 Flat Lock and Cam Assembly
91-0535-00 Flat Lock and Cam Assembly
91-0545-00 Round Lock and Cam Assembly
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
91-1108-01 Lockout Flap US 25¢
91-1109-00 Reject Flap
91-1110-00 Metal Switch Adjuster
91-1111-00 Black Button Bezel
91-1112-00 Black Reject Bezel
91-1113-01 Entry/Reject Button US 25¢
91-1116-00 Microswitch (Black End Arm)
91-1117-00 Lampholder
91-1118-00 6 Volt Wedge Base Lamp
91-1119-00 Button Spring
91-1120-00 Lockout Spring
91-1122-00 Retaining Screw for Acceptor Body
91-1125-00 Clear Plastic Cover for Microswitch
91-1127-00 Plastic Switch Adjuster
91-1141-00 Base Plate With Pivot and Stud
91-1144-00 6 Volt DC Lockout Coil Assembly
91-1211-00 Zinc Plated Button Bezel
91-1212-00 Zinc Plated Reject Bezel

Gold Mech
Engineering Data and Parts List



PARTS LIST

90-1030-00 Retaining Screw (#6-32" x .250")
91-1036-00 Mounting Stud
91-3001-00 Back Plate
91-3002-00 Reject Lever
91-3003-00 Reject Lever Spring
91-3006-00 Cover Plate
91-3008-00 Anti-Stringing Device
91-3009-00 Gate
91-3011-00 Cradle
91-3013-00 Magnet Holder with Magnet
91-3016-00 Gate Spring
91-3017-00 Gate Pin
91-3019-00 Separator
91-3022-00 Diameter Adjustment
91-3023-00 Locknut-Magnet Holder
91-3024-00 Screw-Magnet Holder
91-3025-00 Screw Separator
91-3026-00 Washer
91-3028-00 Cotter Pin for Anti-Stringing Device
91-3029-00 E-Clip for Cradle

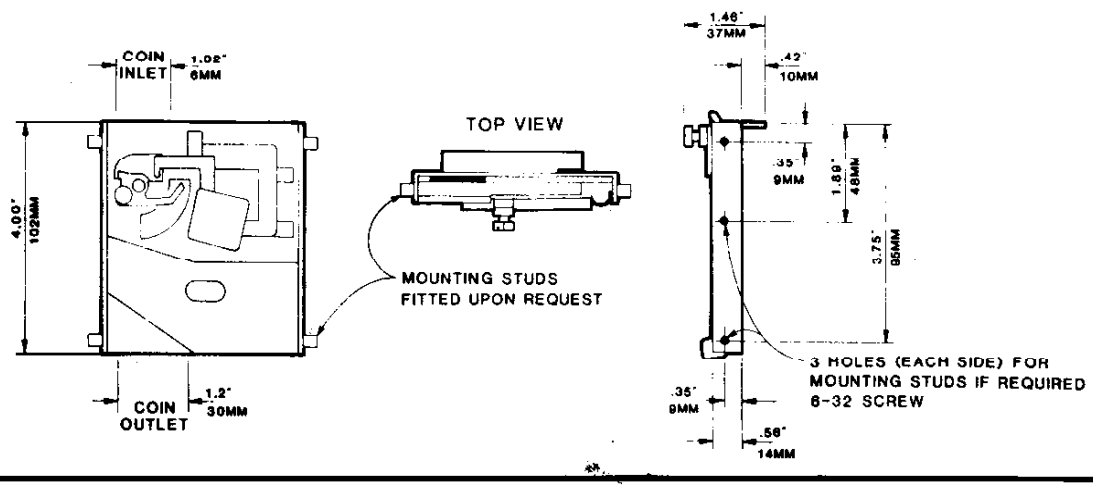
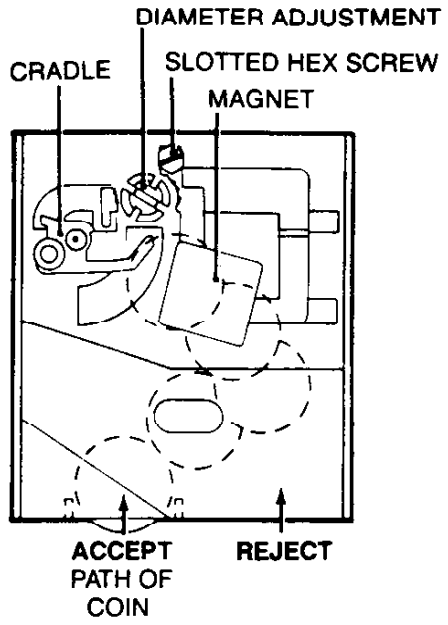


Fig. 4



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 tipples 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 tipple the cradle and can be returned to reject by pressing the reject lever.

Adjustment

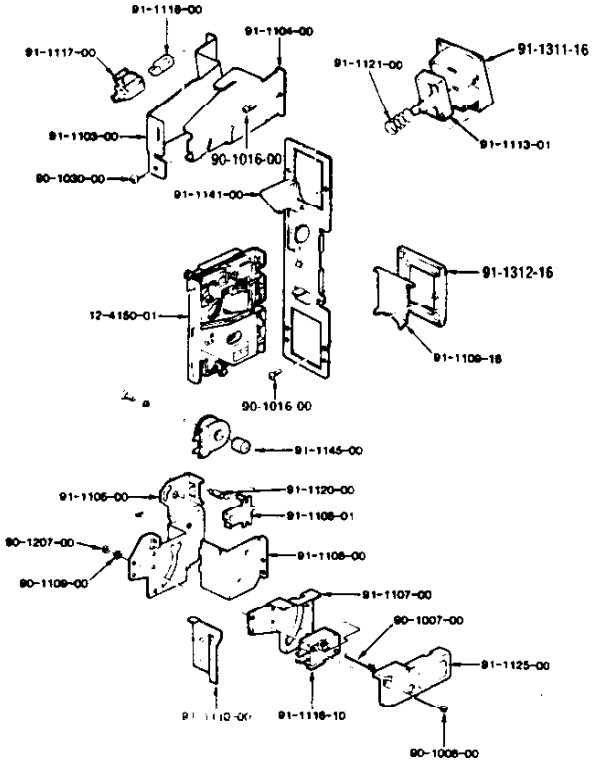
The Gold Mech Acceptors are factory adjusted for optimum performance. If more critical adjustments are desired, or if the unit has been disassembled, the following adjustment procedure is suggested.(Fig. 4).

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 tipple 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 ½ 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
91-1108-01	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	12 V DC Lockout Coil
91-1311-16	Black Nylon Button Bezel
91-1312-16	Black Nylon Reject Bezel

Gold Mech: Service Information
CLEANING and CARE of the MECHANISM

Fig. 1

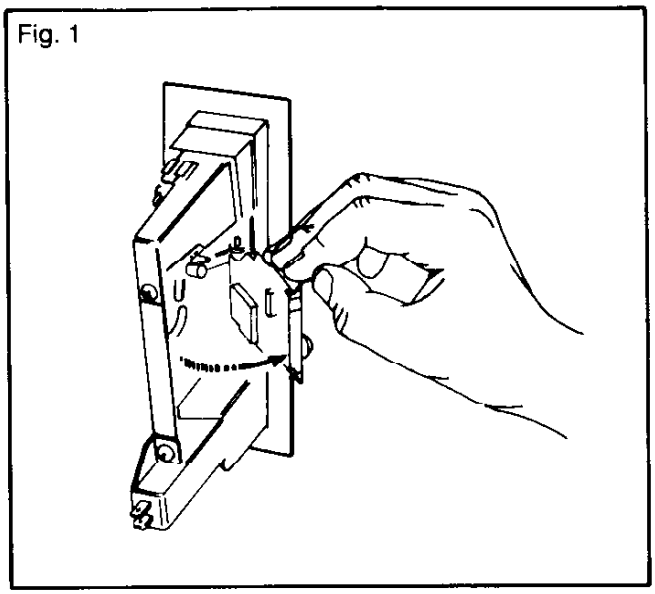
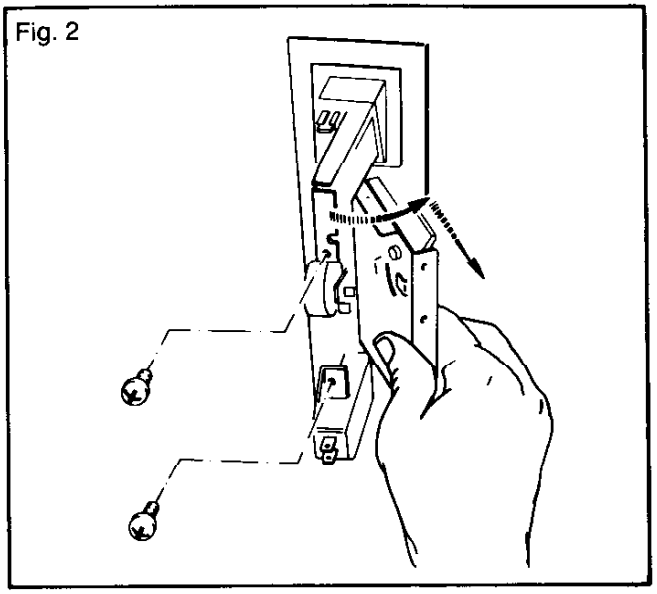


Fig. 2



The magnet that is fitted to the mechanism, should be kept clean from foreign particles. The magnet can be cleaned by swinging the gate open. (as shown in Fig. 1). Remove metal filings from the magnet by guiding the point of a screwdriver along the edges of the magnet, such that the filings cling to the screwdriver.

The mechanism can be cleaned by immersing in water using a small brush to clean the mechanism. Rinse the mechanism with boiling water and dry with compressed air.

Note:
Since the Gold Mech relies on coins passing the magnet at a constant speed, the rejector must be free of dirt and grease which may slow down the coins. Do not lubricate the acceptor with oil as this slows down coins.

If the above procedures are not successful, check for worn, bent or damaged parts and replace where necessary.

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¢

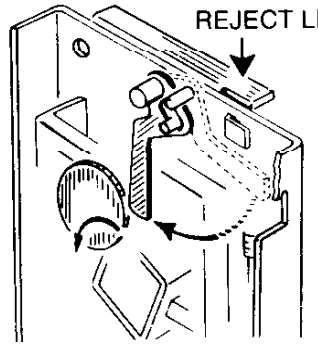
White: Heavy tension—heavy foreign coins

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.

Fig. 3



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)