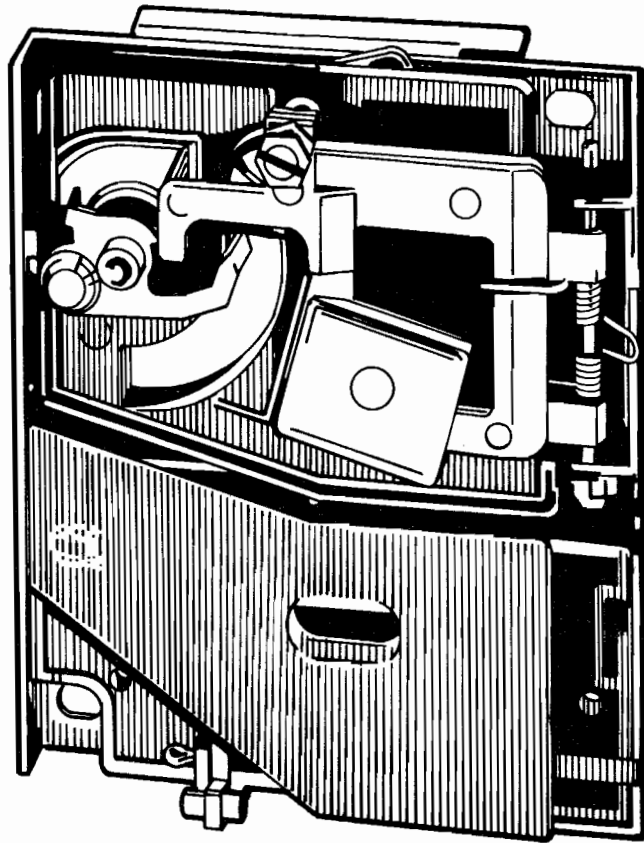


# COIN CONTROLS, INC.

Manufacturers of Coin Handling Equipment

## INSTRUCTION MANUAL

# Gold Mech Coin Acceptor



**Precision built for high speed coin acceptance.  
Featuring maximum anti-fraud protection.**

The Gold-Mech coin acceptor tests the following: metal content (via magnetic eddy current), thickness, diameter and weight.

TOLL FREE

**1-800-323-8174**

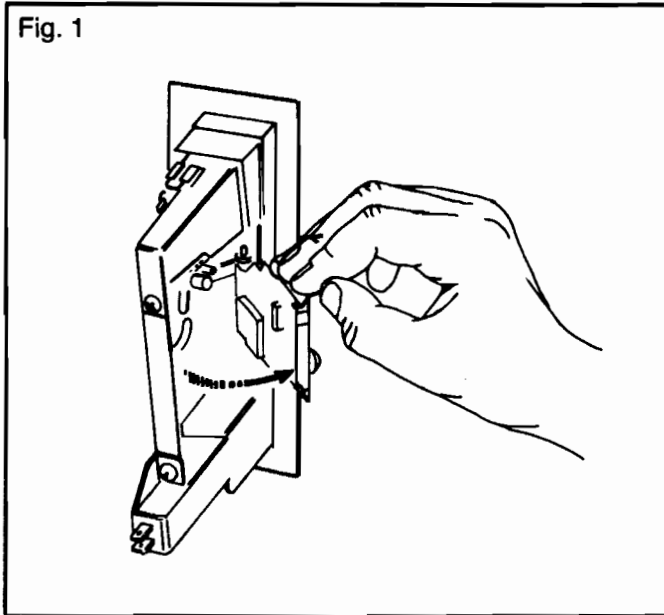


**Coin Controls Inc.**  
1000A Touhy Ave.  
Elk Grove, IL 60007

**(312) 228-1810**  
FAX: (312) 228-1833  
TELEX: 297-108 COIN UR

# Gold Mech: Service Information

## CLEANING and CARE of the MECHANISM



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.

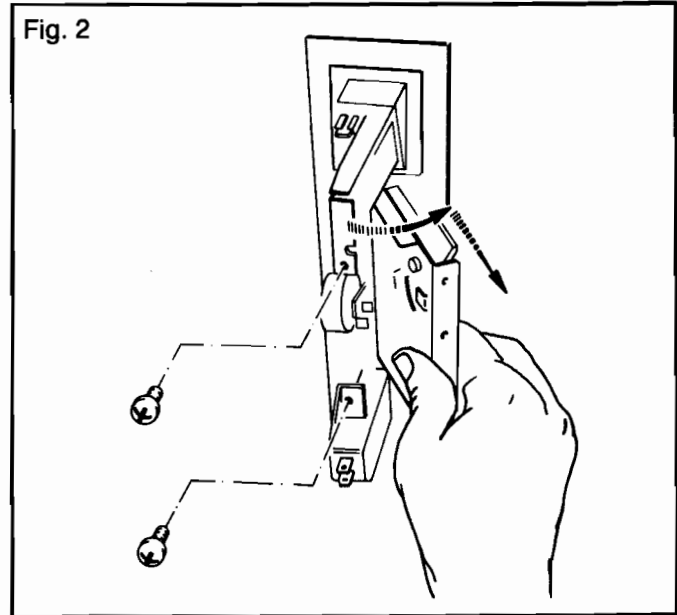
If the above procedures are not successful, check for worn, bent or damaged parts and replace where necessary.

### 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¢

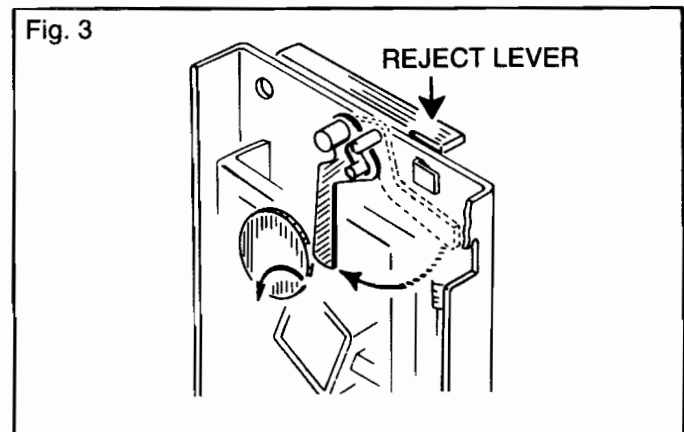
**White:** Heavy tension—heavy foreign coins



### 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.

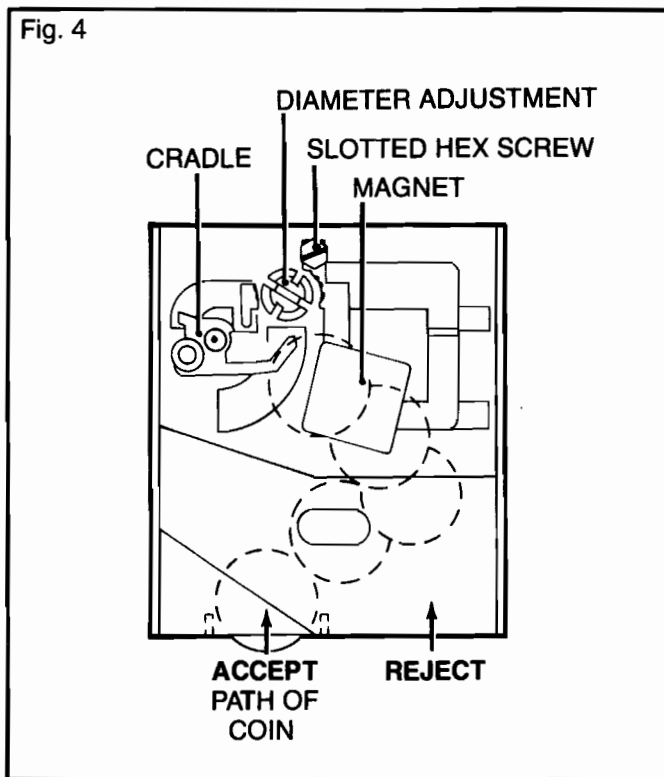
The Gold Mech Acceptors are designed to require a minimum of maintenance and field adjustment. Coins are checked by diameter and thickness, weight, metal content, bounce, and for ferromagnetic coins such as nickel and steel, a rim test is also used.



### 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)

Fig. 4



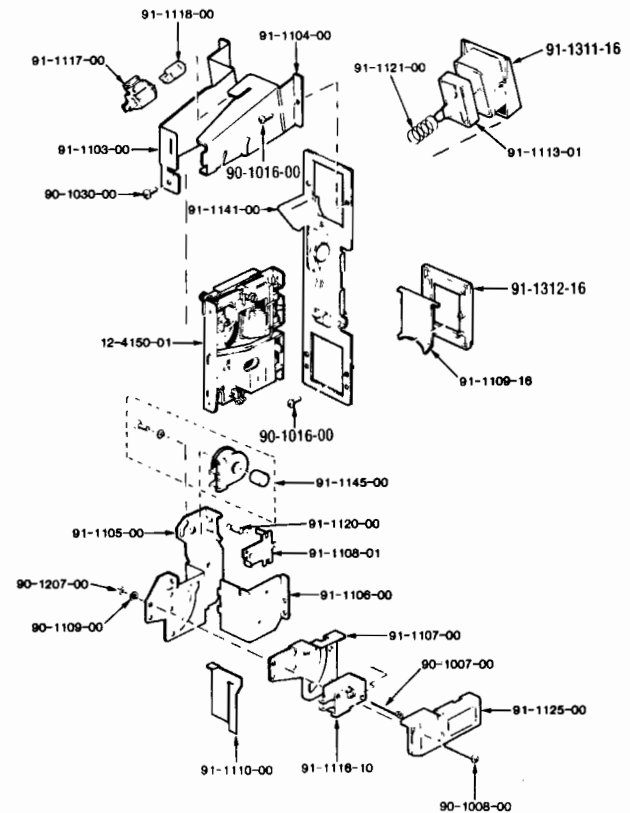
The first check on the coin is at the entry slot which prevents the entry of grossly oversize and bent coins. The next test is at the cradle. When the correct coin falls into the cradle, the cradle tips and the coin is delivered to the magnet check. Under-diameter coins fall between the legs of the cradle and are returned to reject. Under-weight coins fail to 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 1/2 turn clockwise for optimum clearance and tighten the locknut.

## Base Plate Assembly for Coin Doors and Front Plates

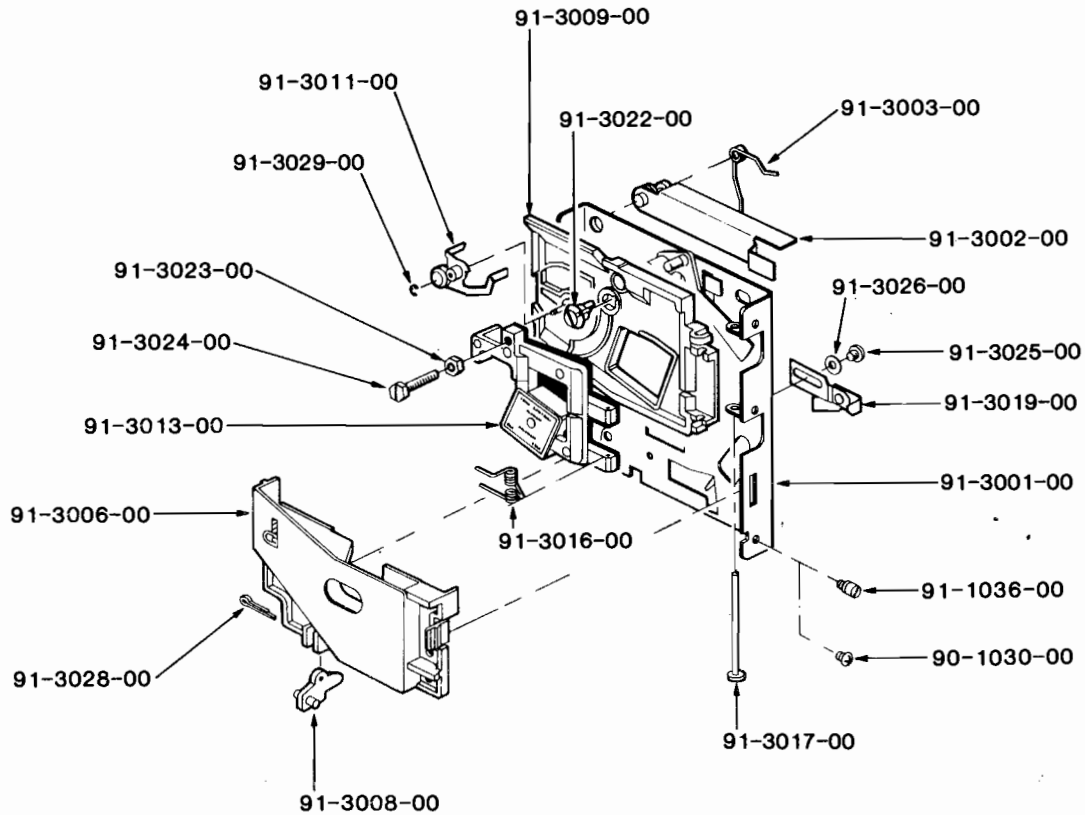


Part Number	Description
12-4150-01	Gold Mech Acceptor
90-1000-00	Keyhook Bezel Screw
90-1007-00	Flat Head Microswitch Mounting Screw
90-1008-00	Pan Head Microswitch Mounting Screw
90-1016-00	CPJS/Bezel Screw
90-1030-00	Mounting Screw for Gold Mech
90-1032-00	Bezel/Hinge Screw PZ
90-1109-00	Lock Washer 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
91-1108-01	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

For further information contact our Technical Services Department at 1-800 / 323-8174.

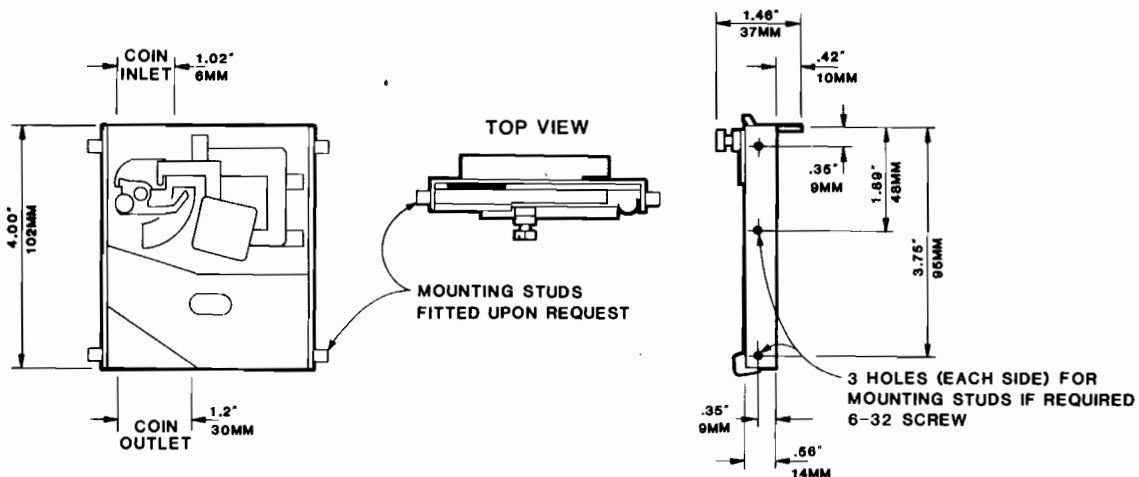
To order replacement parts contact our Sales Department at 1-800/ 323-8174.

# Gold Mech Engineering Data and Parts List

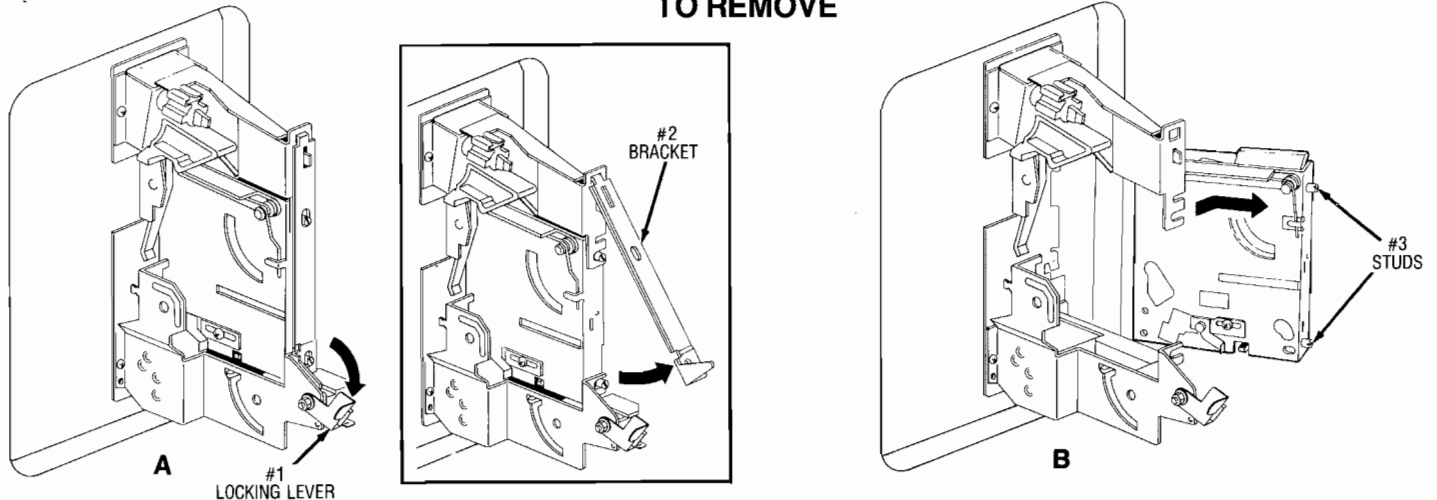


## PARTS LIST

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



Coin Controls introduces a convenient new snap-in mech design in accordance with AMOA Standardization Recommendations. The new design allows for ease of mechanical acceptor installation and adjustment. Now there's no need to worry about whether you have a screwdriver if an acceptor needs to be removed. And there's no small screws to drop when the mechanical acceptor is removed.

**TO REMOVE**


To remove Coin Control's mechanical acceptor from the door, perform the following:

1. Pivot back the locking lever, #1 on the Diagram A.
2. Remove the bracket, #2 on the Diagram A.

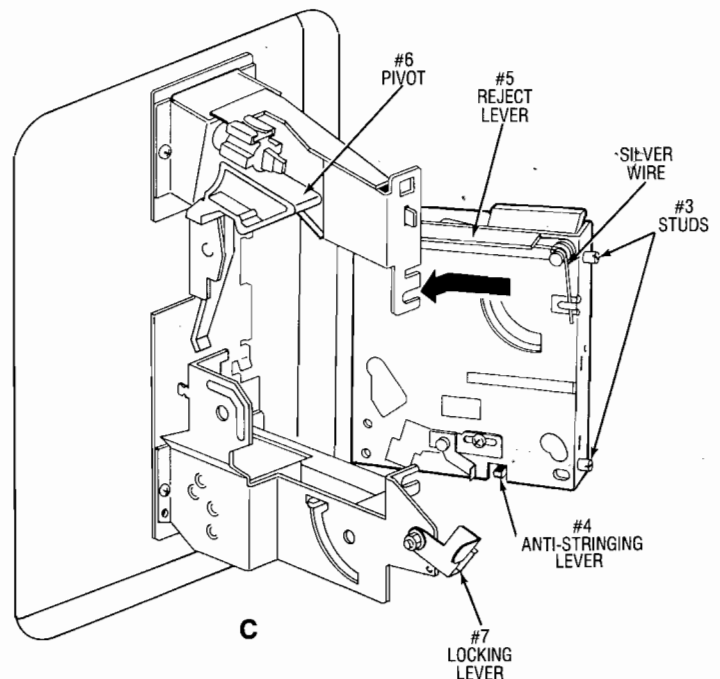
3. Grasp the mechanical acceptor and pull it to the right and out to remove. The studs on the top and bottom of the acceptor, #3 on the Diagram B, need to slide out of their respective slots before the acceptor can be removed.

To reinstall the mechanical acceptor, do the following:

1. Pick up the mechanical acceptor and making sure the anti-stringing lever (#4 on Diagram C) is down and stays down, place acceptor at an angle with the back of the acceptor against the door, as demonstrated in Diagram C.
2. Push the acceptor into place. The mounting studs on the acceptor should slide in to the end of the slots. Keep an eye on the reject lever, #5 on Diagram C, as it must slide under the white plastic pivot, #6 on Diagram C. If the acceptor is a Gold Mech (U.S. \$.25), you must also make sure that the silver wire to the left of the stud slides under the mounting bracket.
3. Make sure the locking lever, #7 on the Diagram C, is pivoted back all the way.
4. Insert the bracket. The curved tab at the top of the lever fits in the hole, the tab below through the slot, and the studs in their respective holes as in Diagram A.
5. Pivot the locking lever into place so that it secures the bracket.

As with any new design, it may take one or two tries to get the operation down so that the mechanical acceptor can be installed smoothly in a matter of a few seconds.

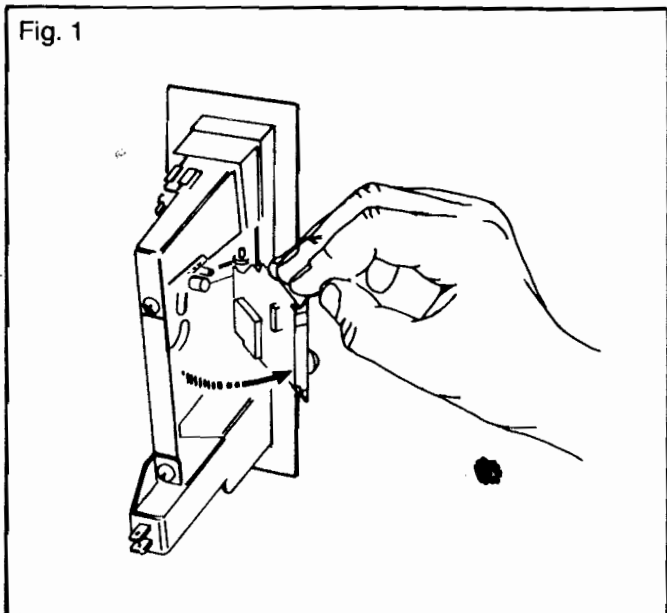
If you require any assistance or additional parts, please feel free to call us at (800) 323-8174. We'd be happy to take your order or answer any questions you may have.

**TO INSTALL**


# Gold Mech: Service Information

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Fig. 1



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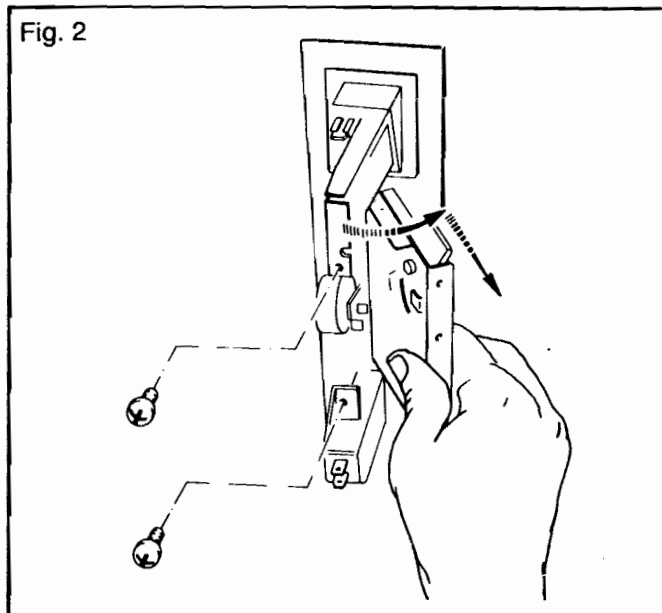
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**White:** Heavy tension—heavy foreign coins

Fig. 2

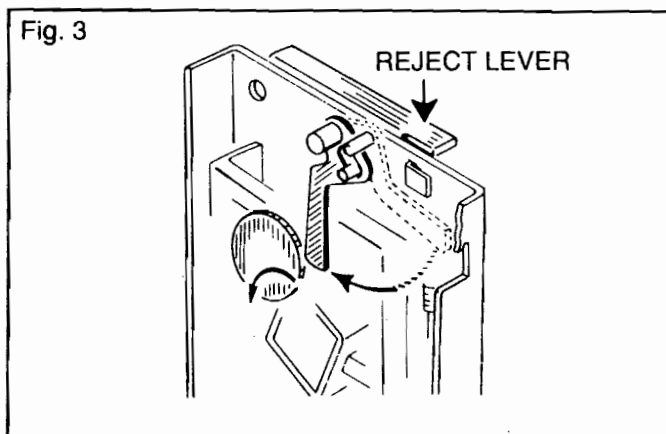


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Fig. 3



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