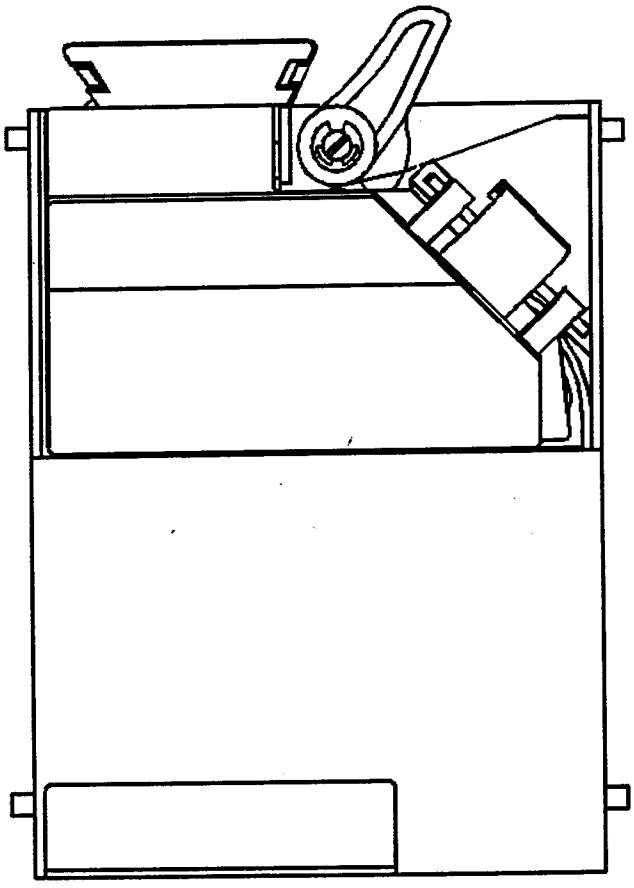
GX Series
Stand-Alone Acceptors

(Equipped with Multi-Drop Bus)



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Introduction

This manual contains information on installing, operating and maintaining GX Series Stand-Alone Acceptors. Taking time to read and become familiar with the information will help you obtain the best performance from your GX Series Stand-Alone Acceptor.

The GX Series Stand-Alone Acceptors from Coinco are available in three different models. All are equipped with Coinco's Multi-Drop Bus technology. They are:

- **GX01** - a 34VDC acceptor that accepts and sorts U.S. coins only.
- **GX02** - a 34VDC acceptor that accepts both U.S. and Canadian coins. None are sorted.
- **GX04** - a 15VDC acceptor that accepts both U.S. and Canadian coins. None are sorted.

For Your Records

A label indicating the model number and serial number can be found on the top of the acceptor. Refer to this model and serial number whenever you call upon your Coinco Service Center for information or service.

For your information, the first four digits of the serial number indicate when the unit was built, which is also the beginning of the warranty period. The first two digits indicate the week of manufacture; the third and fourth digits indicate the year. For example, Serial Number 109600011 would indicate a unit manufactured in the 10th week of 1996.

Features

- Lightweight, rugged plastic construction.
- Can be tuned for tokens and free vends.

After Unpacking

After unpacking the unit, inspect it for any possible shipping damage. If the unit is damaged, notify the shipping company immediately. Only the consignee (the person or company receiving the shipment) can file a claim against the carrier for shipping damage. We recommend that you keep the original carton and packing materials to reuse if you need to transport or ship your acceptor in the future.

If the acceptor is being stored or used as a spare, always keep it in its shipping carton when not in use. This will keep it clean and offer the best protection for the unit.

Specifications

Power Requirements

GX01 ..... 34 VDC
(18.5VDC to 42.5VDC, 1.5 amp max)
GX02 ..... 34 VDC
(18.5VDC to 42.5VDC, 1.5 amp max)
GX04 ..... 15 VDC
(14.5VDC to 15.5VDC, 1.5 amp max)

Operating Temperature

0 to 150° F (-18 to 65° C)

Storage Temperature

-22 to 160° F (-30 to 72° C)

Operating Attitude

Vertical ± 3 degrees

Physical Dimensions (GX01)

Height: 7.7" (to top of return lever at rest)
Width: 5"
Depth: 2.24" (coin gate at rest)
2.57" (coin gate open)

Physical Dimensions (GX02 and 04)

Height: 7.53" (to top of return lever at rest)
Width: 5"
Depth: 2.24" (coin gate at rest)
2.57" (coin gate open)

Physical Weight

Approximately 1.28 pounds

Coins Accepted

GX01 ..... 1¢, 5¢, 10¢, 25¢ & $1 U.S. Only
GX02 ... 5¢, 10¢, 25¢ & $1 U.S. and Canadian and $2 Canadian
GX04 ... 5¢, 10¢, 25¢ & $1 U.S. and Canadian and $2 Canadian

Coins Sorted

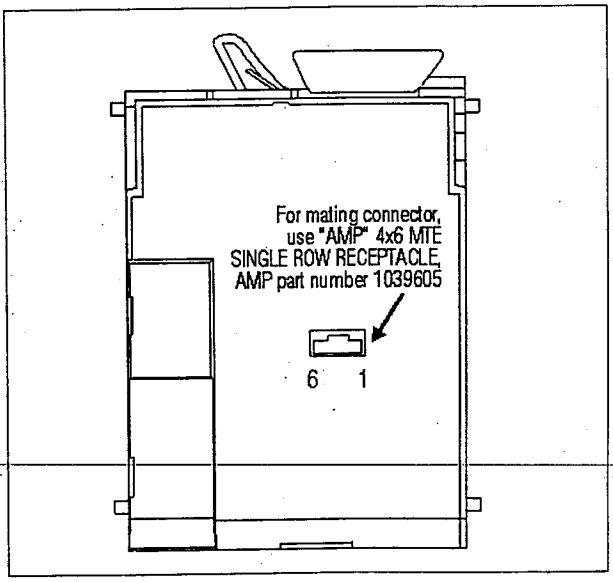
GX01 ..... 5¢, 25¢ & $1
GX02 ..... None. All coins go to the cashbox.
GX04 ..... None. All coins go to the cashbox.

Installing the Acceptor

1. Remove power from the vendor.
2. Plug the vendor's acceptor harness into the acceptor socket.
3. Test the acceptor with a variety of coins to ensure proper operation.

Interface Connections

	GX01/GX02	GX04
PIN 1	34 VDC (42.5 to 18.5)	15 VDC (15.5 to 14.5)
PIN 2	DC Power Return	DC Power Return
PIN 3	N.C.	N.C.
PIN 4	Master Receive	Master Receive
PIN 5	Master Transmit	Master Transmit
PIN 6	Communication Common	Communication Common



Coin Validation

Coins enter into the acceptor and are debounced by the white, ceramic debouce rail. This rail takes the bounce out of all coins, allowing them to continue down the coin rail at a smooth, steady speed.

As coins roll down the coin rail, they pass through a pair of LEDs and coils. Together, these determine the size and metal content of the coin. After the coin has passed the LEDs and coils, the acceptor determines whether the coin is authentic.

Now the acceptor must properly route the coin. In a GX01 acceptor, the coin can be sorted to one of three places:
1) the vendor's coin hoppers;
2) the cashbox; or
3) the coin return cup.

Since GX02 and GX04 models do not have coin sorting capability, the coin can only go to one of two places:
1) the cashbox, or;
2) the coin return cup.

Escrow

Escrow is accomplished by pressing the coin return lever down, which pushes the gate assembly away from the mainplate assembly. This action causes the frequency to change between the "A" and "B" coils because of the larger air space created between them. In addition, the acceptor doesn't "see" any coins passing the LEDs. Therefore, it signals the escrow of any accumulated credit.

Routine Maintenance

Routine maintenance will improve the performance and extend the working life of the acceptor and reduce the need for more involved repairs. Frequency of maintenance will depend on environment and number of transactions. For normal environments, cleaning is recommended every six months. However, in harsh environments with lots of dirt and dust, cleaning is recommended every three months.

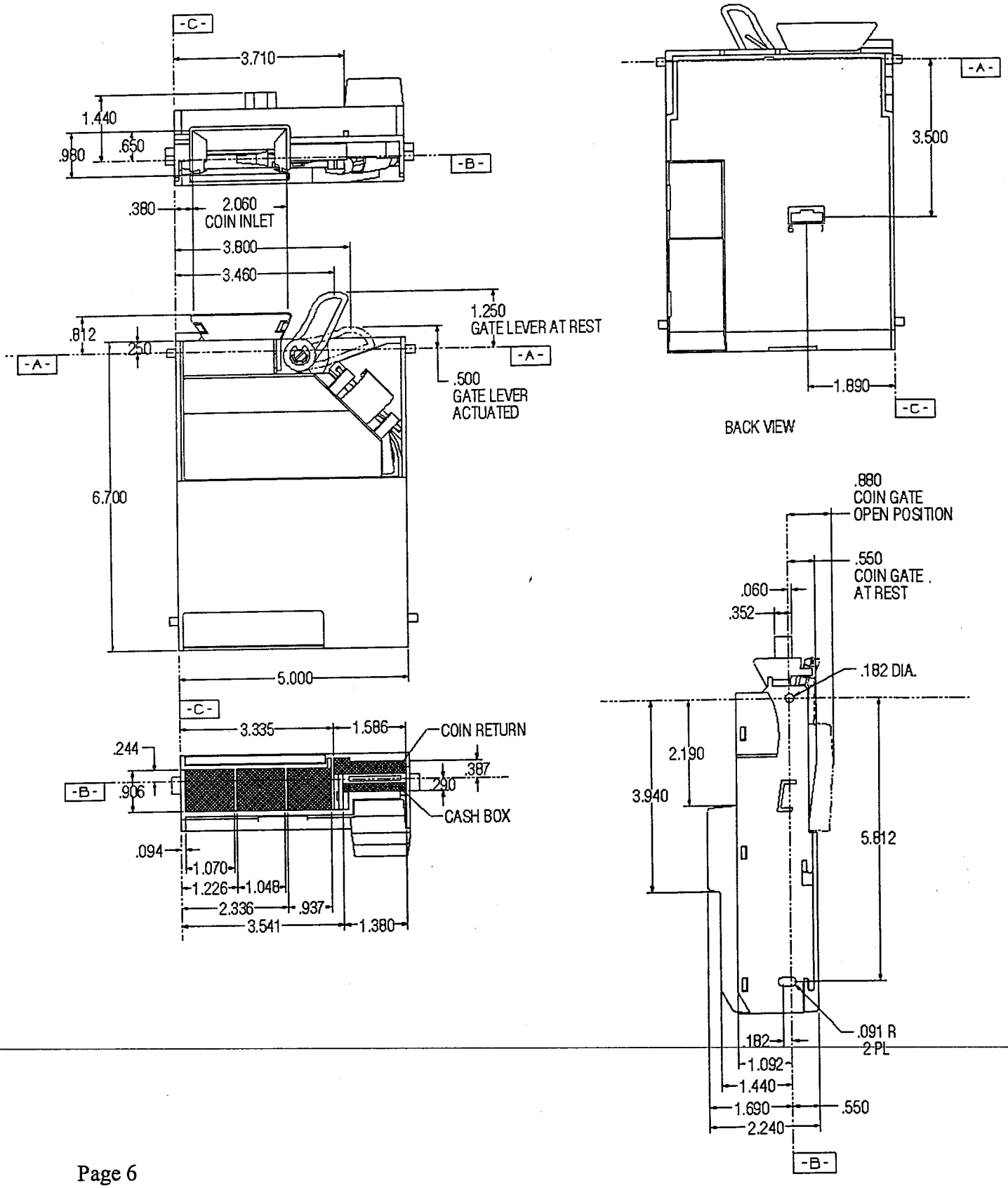
Cleaning

The GX Series acceptor is manufactured from a high-quality plastic which should only be cleaned a damp cloth or with a cloth dampened with warm water and mild detergent solution, if necessary.

CAUTION:
- Never submerge unit in water.
- Do not use petroleum-based solvents, steel wool, scouring pads, or a metal brush for cleaning.
- Do not spray any part with any type of lubricant.

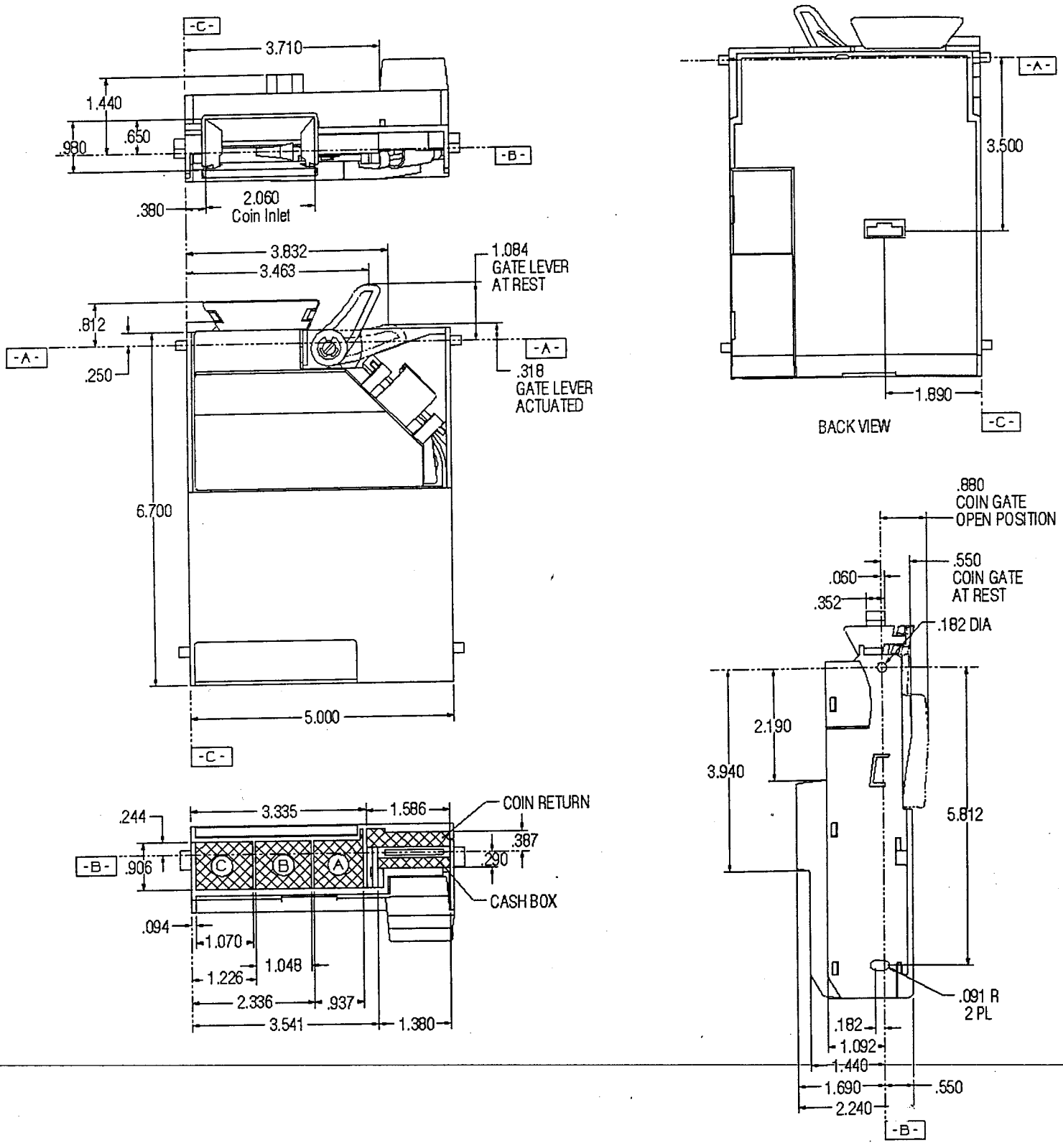
Since all coins share a common coin ramp, heavy usage can result in dirt build-up. To clean the coin ramp, lift the gate upward and diagonally to the right. Hold the gate to prevent it from snapping back. Wipe the exposed coin ramp and inner surface with a damp cloth. Soft, cotton swabs are ideal for getting into the tighter areas of the acceptor.

GX01 Dimensional Drawing

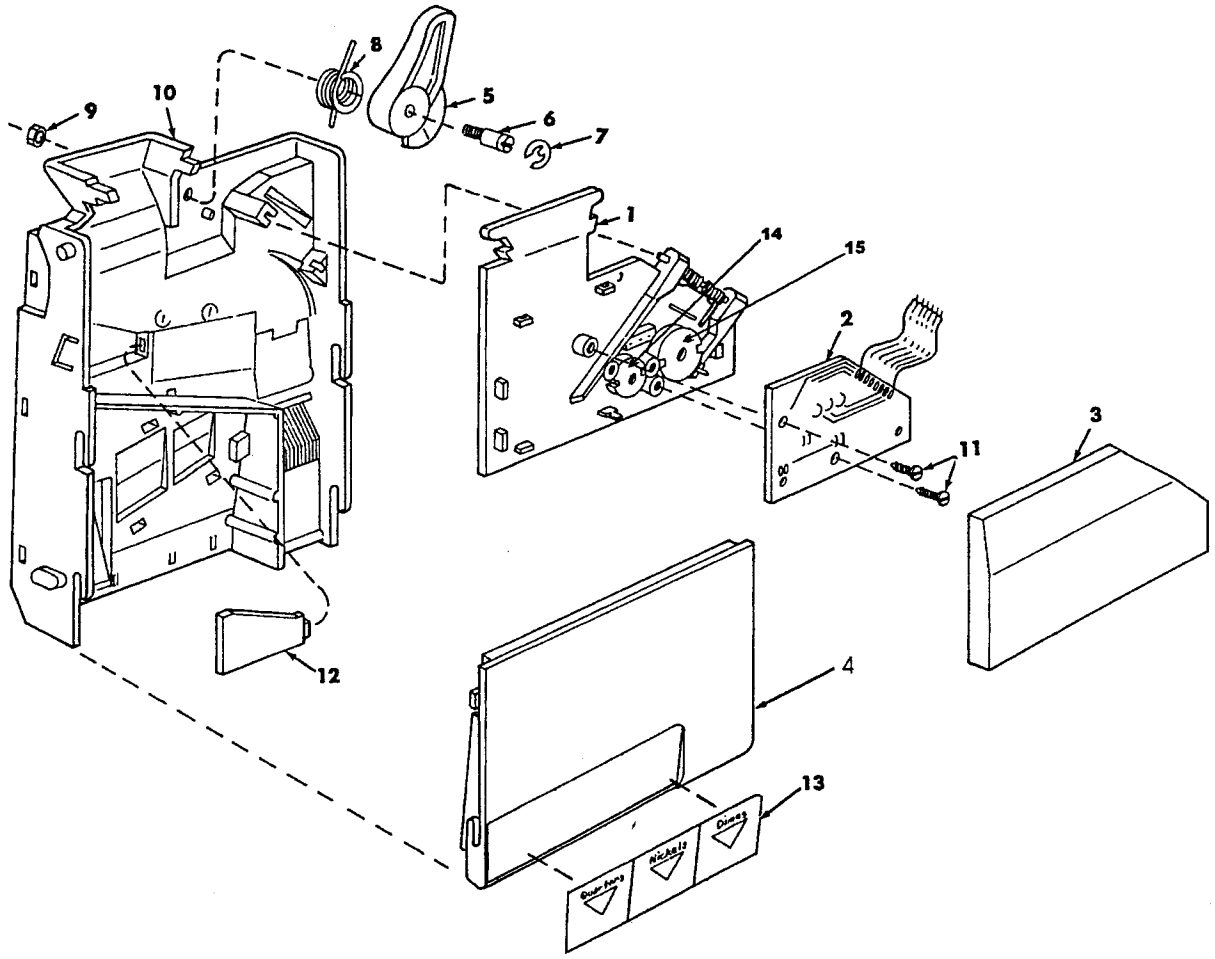


SECTION 4: EXPLODED VIEWS

GX02/04 Dimensional Drawing

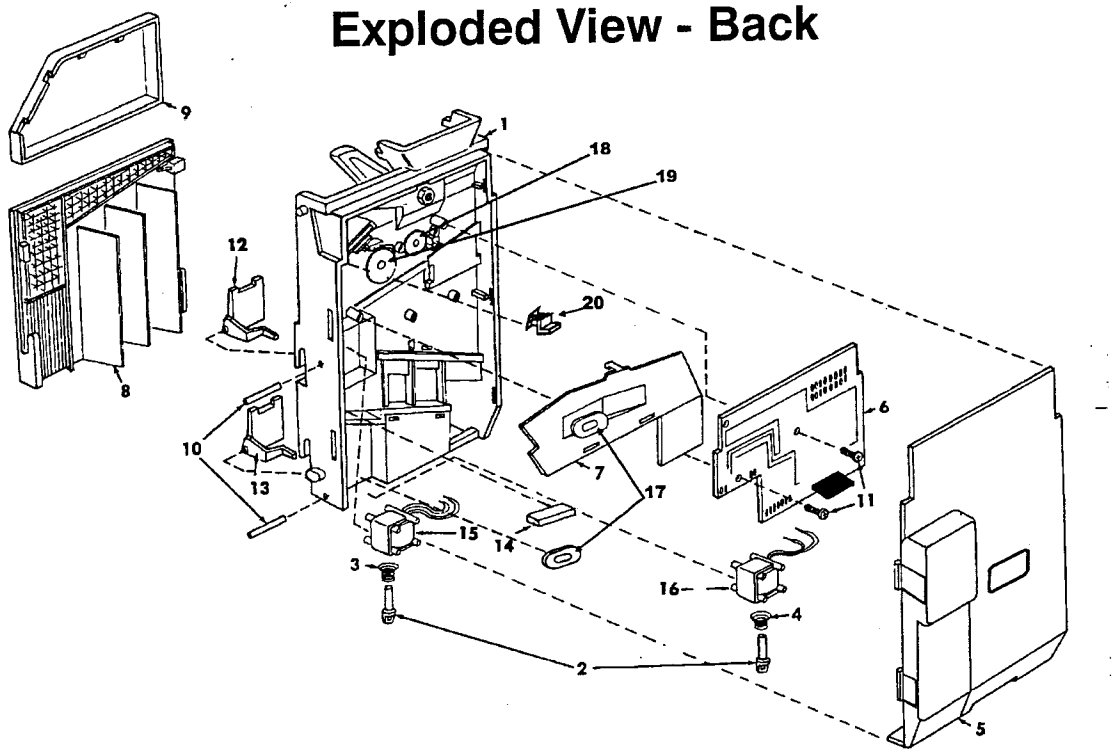


Exploded View - Front



Item Number	Part Number	Description	Quantity
1	406184-2	Gate and Coil Assembly	1
2	406186-1	Gate Board	1
3	906596-1	Gate Cover	1
4	909095-2	Front Cover	1
5	906606-1	Operating Lever	1
6	906624	Gate Lever Pivot Screw	1
7	751S21X	Retaining Ring	1
8	906618	Operating Lever Spring	1
9	400-8	Hex Nut, 8-32 Self-locking	1
10	910885-21	Mainplate	1
11	345-4R5	Screw, 4x5/16	2
12	906616	Coin Rail	1
13	910890-17	Decal, GX01	1
	909086-2	Decal, GX02 and GX04	
14	406295	"A" Coil (small) .446	1
15	406296	"B" Coil (large) .693	1

Exploded View - Back



Item Number	Part Number	Description	Quantity
1	910885-21	Mainplate, GX01	1
	922480	Mainplate, GX02 and GX04	
2	406167	Plunger and Yoke Assembly	2
3	906619-2	Spring, Copper Plated	1
4	906619-1	Spring, Nickel Plated	1
5	921533	Back Cover	1
6	407465	Logic Board, GX01	1
	407465-3	Logic Board, GX02	
	407465-4	Logic Board, GX04	
7	920544	Rear Chute Cover, GX01	1
	909094-2	Rear Chute Cover, GX02 and GX04	
8	909095-2	Front Cover	1
9	906596-1	Gate Cover	1
10	906622-1	Diverter Pivot Pin, GX01	2
	906622-2	Diverter Pivot Pin, GX02 and GX04	
11	345S4R7	Screw, 4 x 7/16	2
12	922211	Upper Diverter Door, GX01	1
	906600-1	Upper Diverter Door, GX02 and GX04	
13	909092	Lower Diverter Door	1
14	909853	Coin Rail	1
15	407510	Upper Solenoid, GX01 only	1
16	407510-1	Lower Solenoid, GX01 and GX02	1
	406164-1	Lower Solenoid, GX04	
17	406613-1	Sensing Coil Assembly	2
18	406295	"A" Coil (small) .446	1
19	406296	"B" Coil (large) .693	1
20	908845-1	Spring Retension Plug	1

THIS COINCO PRODUCT IS COVERED BY THE FOLLOWING PATENTS:

United States

4,254,857 4,625,852 4,646,904 4,739,869

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