

# BILL CHANGER Installation Guide Model: BC500

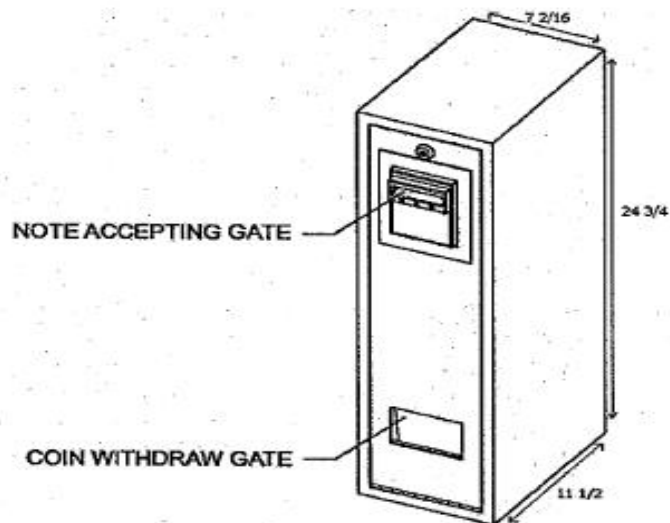


## BILL CHANGER ASSEMBLY

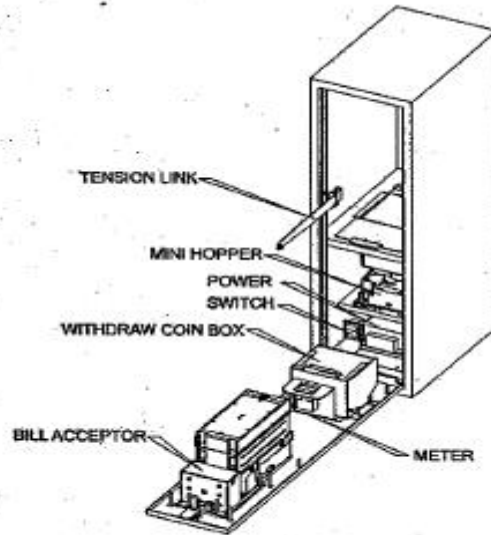
### 1. Specifications:

- (1) Dimension: (H) 24<sup>3</sup>/<sub>4</sub> (W) 7 <sup>2</sup>/<sub>16</sub> (D) 11<sup>1</sup>/<sub>2</sub>  
Shipping Dimensions: (H) 30" (W) 13" (D) 17"
- (2) Weight: Empty 39 lbs. Shipping Weight: 42 lbs.
- (3) Power Requirement: AC 115v 60Hz
- (4) Operating Temperature: 48°F to 120°F
- (5) Operating Humidity: 30% to 85% RH
- (6) Installation Location: Indoor
- (7) Coin Capacity: Approx. 500 coins
- (8) Counting Method: Two Optical Sensor

### 2. Panel:



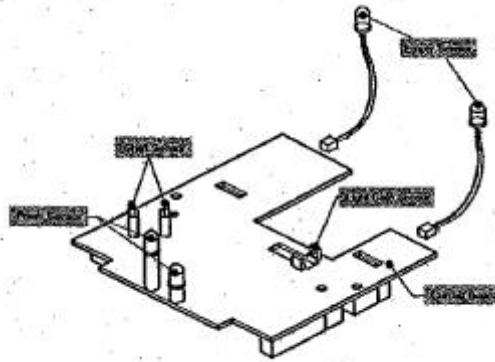
### 3. Subassembly:



### COIN BOX

#### 4. Fill Coin Box To A Level Higher Than The Sensors:

# of Flashing Red Light	Errors	Possible Cause or Solutions
1	Motor problem	<ol style="list-style-type: none"> <li>1. Motor malfunction</li> <li>2. Light Gate detection malfunction</li> <li>3. Coin Jam</li> <li>4. Incorrect Voltage</li> </ol>
2	Insufficient Coins	<ol style="list-style-type: none"> <li>1. Check for coin availability</li> <li>2. Empty LED or Sensor malfunction</li> </ol>
3	Detects coin dispensing activity after suspending the dispense signal	<ol style="list-style-type: none"> <li>1. Re-adjust Shaft.</li> <li>2. Insufficient pulling force in push rod spring</li> <li>3. Coins size varies</li> <li>4. Hardware failure.</li> </ol>
4	Reserved	Reserved
5	Prism Sensor Failure	<ol style="list-style-type: none"> <li>1. Coin jammed in front of the sensor</li> <li>2. Prism Sensor detection fails.</li> </ol>
6	Shaft Sensor Failure	<ol style="list-style-type: none"> <li>1. Coin stays in front of sensor</li> <li>2. Shaft sensor detection fails</li> <li>3. Inconsistent coin sizes</li> <li>4. Adjustment error on Shaft-Block.</li> </ol>



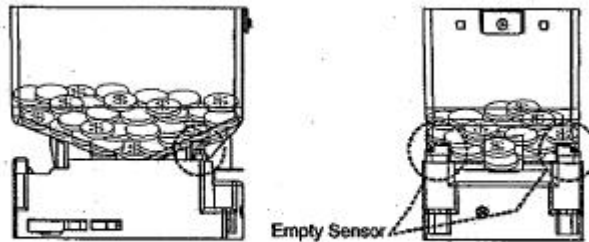
### **PARTS ORDERING**

Procedure:

When ordering parts, include the following:

- (1) The model and serial numbers of the machine for which the parts are needed.
- (2) Shipping address
- (3) Address where the invoice should be sent
- (4) The number of parts required
- (5) Always refer to the pertinent parts and/or part manual for the correct part number and description of a specific part

**Note:** When **RIGHT** or **LEFT** is used with the name of a part, it means the person is facing the machine with the door closed.



### **BILL ACCEPTOR**

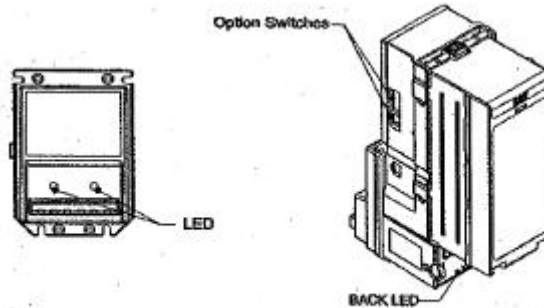
#### **5. Bill Acceptor LED Display:**

The two **LED** light located at the front of the unit will show the operational status of the bill validator. The **LED** lights will flash **ON** and **OFF** (in 500ms intervals) when the unit is ready to accept bills. The **LED** lights will be **OFF** if the unit is disabled or out of service, in which case the unit will not accept any bills.

The bill validator can only accept one bill at a time. The **LED** lights will be **OFF** and will not accept another bill while a bill is being validated in the unit. The **LED** lights will start to flash normally when the bill validator is ready to accept the next bill.

#### **6. LED Status:**

FLASHES	STATUS
1	bill jammed
2	disabled from system
3	sensor problem
4	reserved
5	bill box is removed
6	bill box is full of money
7	Motor Problem
LED ON	POWER ON
LED OFF	POWER OFF



### COIN COUNTER

#### 7. Specifications:

- (1) Weight: Approx. 26oz.
- (2) Power: DC+12V
- (3) Environment Range
  - Operating temperature: 32°F to 104°F
  - Storage temperature: -8°F to 116°F

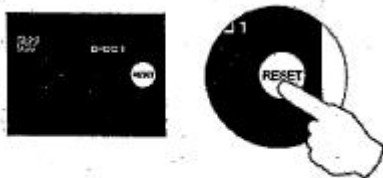
#### (4) Function 1:

Press and hold the reset key for 3 seconds to reset the counter back to "0".



#### Function 2:

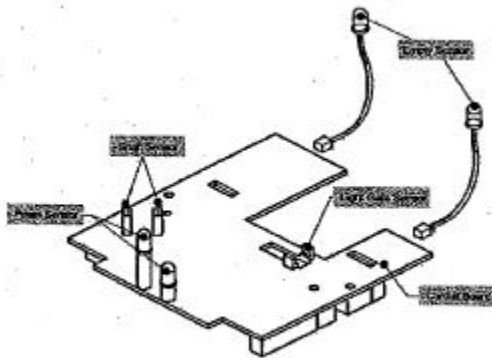
If more than 4 digits are stored on the counter, press the reset key to display the next digits.



### BILL CHANGER

#### 8. Trouble Shooting Table:

# of Flashing Red Light	Errors	Possible Cause or Solutions
1	Motor problem	1. Motor malfunction 2. Light Gate detection malfunction 3. Coin Jam 4. Incorrect Voltage
2	Insufficient Coins	1. Check for coin availability 2. Empty LED or Sensor malfunction
3	Detects coin dispensing activity after suspending the dispense signal	1. Re-adjust Shaft. 2. Insufficient pulling force in push rod spring 3. Coins size varies 4. Hardware failure.
4	Reserved	Reserved
5	Prism Sensor Failure	1. Coin jammed in front of the sensor 2. Prism Sensor detections fails.
6	Shaft Sensor Failure	1. Coin stays in front of sensor 2. Shaft sensor detection fails 3. Inconsistent coin sizes 4. Adjustment error on Shaft-bloc.



## PARTS ORDERING

### Procedure:

#### When ordering parts, include the following:

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- (6) Any special shipping instructions
- (7) Carrier desired: air or air special, truck, parcel post or rail
- (8) Signature and date
- (9) Purchase order number, if used

Mail your order to:

**VendNet™**  
**P.O. Box 488**

**165 North 10<sup>th</sup> Street  
Waukee, IA 50263-0488 USA**

All orders are carefully packed and inspected prior to shipment. Damage incurred during shipment should be reported at once and a claim filed with the terminating carrier. If you do not have The right parts manual: contact VendNet™. If you have any questions, call:

**Service: 1-888-VENDNET (836-3638)**

**Parts: 888-259-9965**

**Fax: 515-274-5775**

**Email: [techsupport@vendnetusa.com](mailto:techsupport@vendnetusa.com)**

**Web: [www.vendnetusa.com](http://www.vendnetusa.com)**