

Instructions for 5236A Conversion Kit for Rowe BC 1200 to a MEI Validator with Slider Bracket

READ INSTRUCTIONS COMPLETELY BEFORE BEGINNING INSTALLATION
TURN OFF POWER AND UNPLUG THE BILL CHANGER
BEFORE BEGINNING INSTALLATION

REQUIRES MARS AE2611U7E with 700 Stacker (300, 500 Stacker optional) for BC-1200

Step 1 Inside The Bill Changer

- A. Lift and Remove Hoppers.
- B. Unplug the bill transport harness.
- C. Remove the bill transport by sliding along the rails and unlatching the catches.
- D. Unscrew the 4 screws holding the stacker assembly (2 at the top of the stacker assembly, 2 at the bottom). Remove the stacker assembly by sliding out along the rails and unplugging the 9 pin plug from the rear of the stacker (Figure 1).
- E. Remove small bracket located above stacker (Figure 1).

Figure 1 Location of top two stacker screws (arrows). Other two are located at bottom of stacker assembly. Also, remove bracket (circled).



STEP 2 Installing 5237 (Power to Main Box) Harness, 5238 (Payout) Harness and 5239 (Validator Power) Harness

- A. Locate the first plug (payout harness) above the Power Control Center of the bill changer and unplug it. (Figures 2 and 3).
- B. Plug the black connector of the 5238 Harness into the harness that you just pulled out and plug the white connector of the 5238 harness into the machine (Figure 4). The open 3 pin connector will plug into the Main Box Assembly later in the installation.

Figure 2 Power Control Center

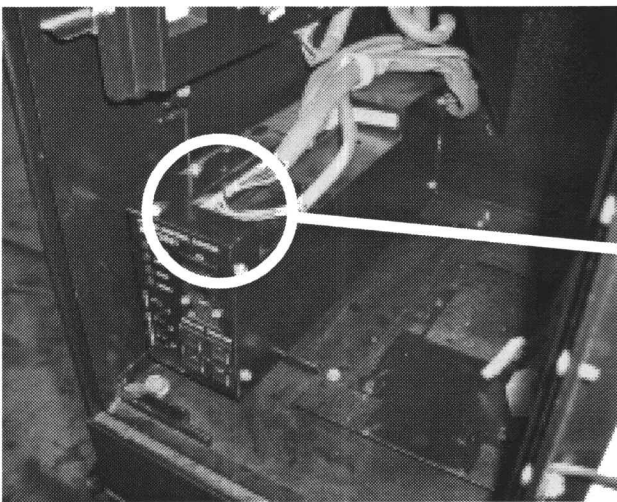


Figure 3 Unplug payout harness

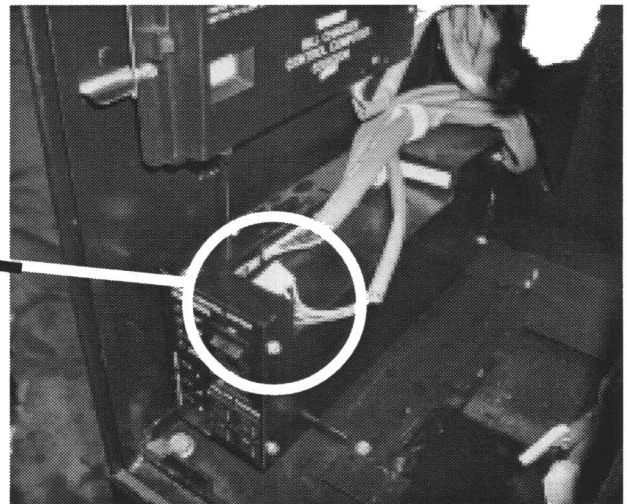
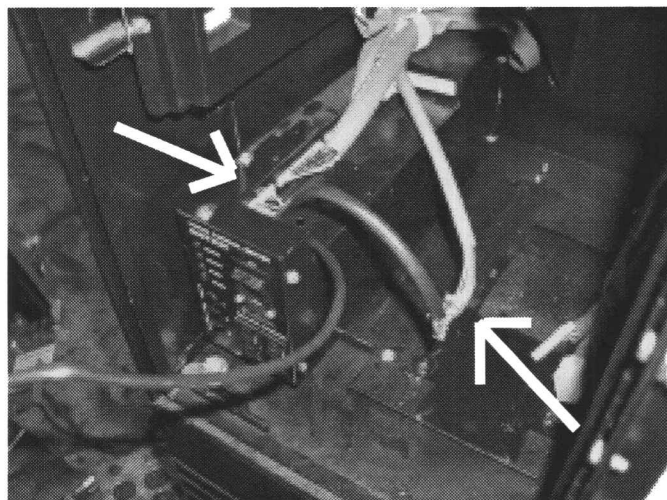


Figure 4 5238 Harness installed in Power Control Center and original payout harness



- C. Locate the second plug from the front, above the Power Control Center, of the bill changer and unplug it (Figures 5).
- D. Plug the 13 pin black connector of the 5237 harness into the harness that you just pulled out and plug the 13 pin white connector of the 5237 harness into the machine (Figure 6).
- E. Run the rest of the harness up and underneath the coin delivery chute (Figure 7). Plug the 9 pin female connector into the coin mech harness of the bill changer.

Figure 5 Unplug the 2nd connector above the Power Control Center located as shown

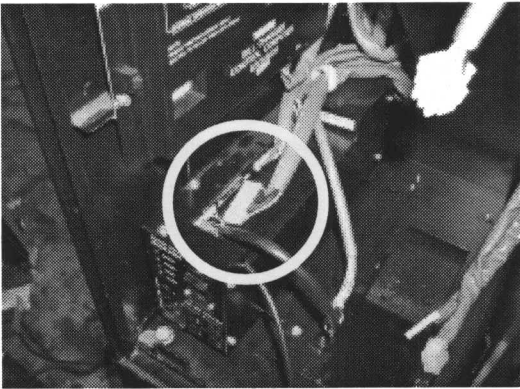


Figure 6 Plug the 5237 harness into the original harness and the Power Control Center

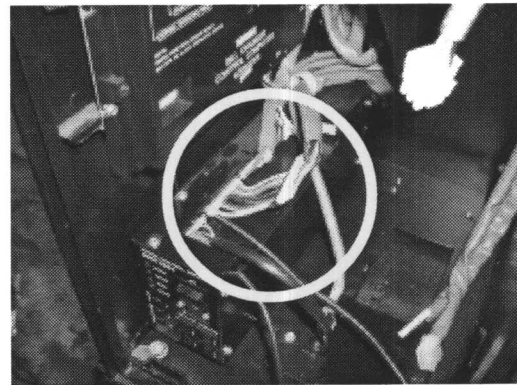
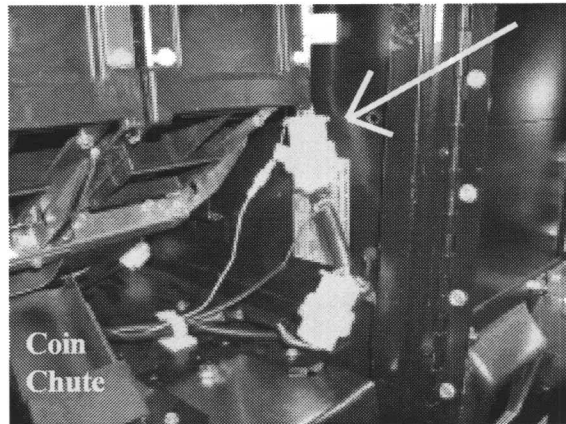


Figure 7 Plug the 9 pin female connector into the coin mech harness



- F. Plug the appropriate connector of the 5239 Power Harness into the stacker harness of the bill changer (Figures 8, 9).

Figure 8
Location of stacker harness

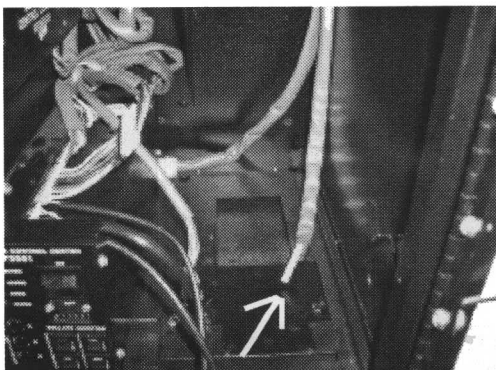
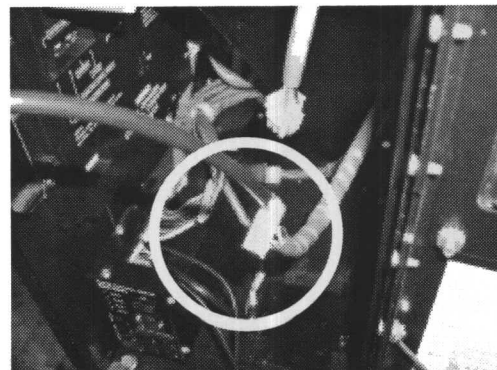


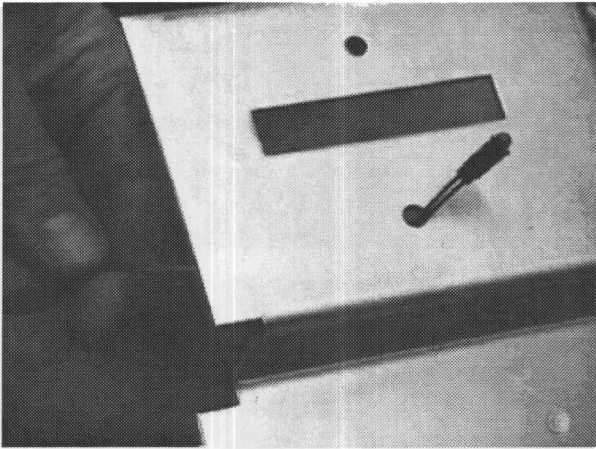
Figure 9
Plug 5239 connector into stacker harness



Step 3 Install Mars Validator

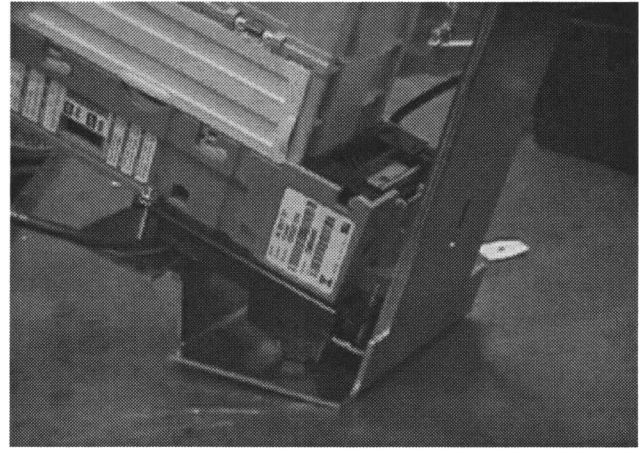
- A. Set the following switches of the Mars validator to the ON position: 1, 2, 3, 8.
- B. Unplug the indicator light attached to the 5252 Main Box Assembly and insert into the hole located below the acceptor slot for the bill acceptor (for the purpose of this kit, you may ignore the hole above the bill acceptor slot-it will get covered by the label) See Figure 10. Use the clip with the kit to hold light in place.
- C. Attach the two adhesive backed clips to the underside of the slider bracket. The will be used to direct wires away from the validator later in the installation (Figure 22, page 9).
- D. Mount the Mars validator upside down to the slider bracket included with the kit (Figure 11). This bracket simply slides on the tracks where the transport was located before being removed in Step 1C (Figure 12).

Figure 10



Inserting indicator light into slider bracket

Figure 11



Mounting validator to the slider bracket

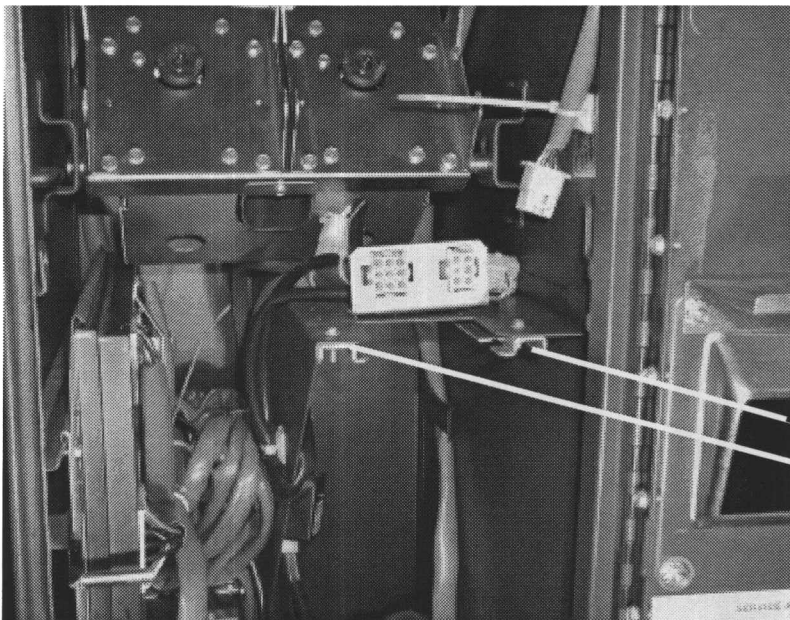


Figure 12

Slider bracket for validator will fit into these tracks (rails)

- E. The slider bracket included with the kit is adjustable using the slot located on the top of the bracket. Insert the carriage bolt included so that it is coming up from underneath the bracket and attach the hex nut to hold it in place(Figure 13). Then insert the bracket in the bill changer and close the door (Figure 14). Make adjustments as necessary to the carriage bolt/hex nut so that the door closes but is snug against the door (See Figure 15). Tighten the hex nut when satisfied.
- F. Affix the label to the front of the slider bracket.
- G. Put the slider bracket/validator assembly to the side.

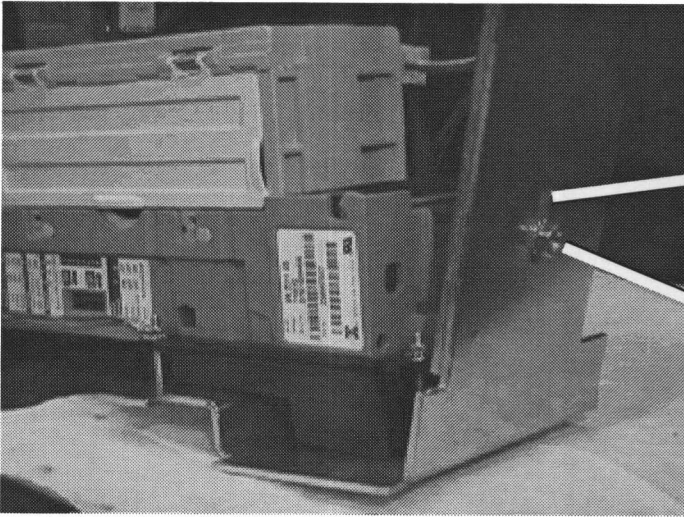


Figure 13

Adjusting Slot

Carriage Bolt is inserted underneath the bracket and hand tightened to the hex nut and lock washer included with the kit.

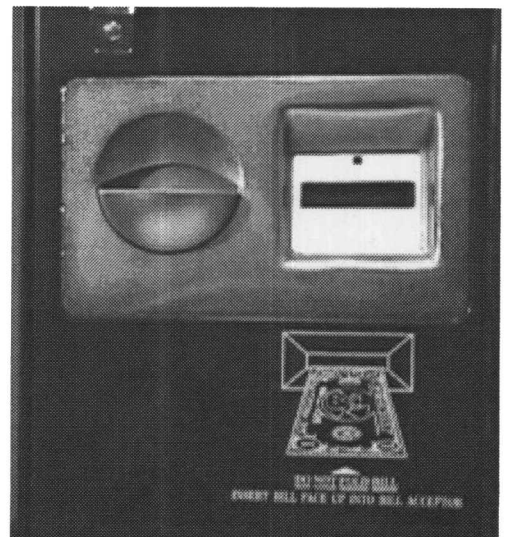
Figure 14

Hex nut and carriage bolt act as a stop against the metal holding the transport plugs



Figure 15

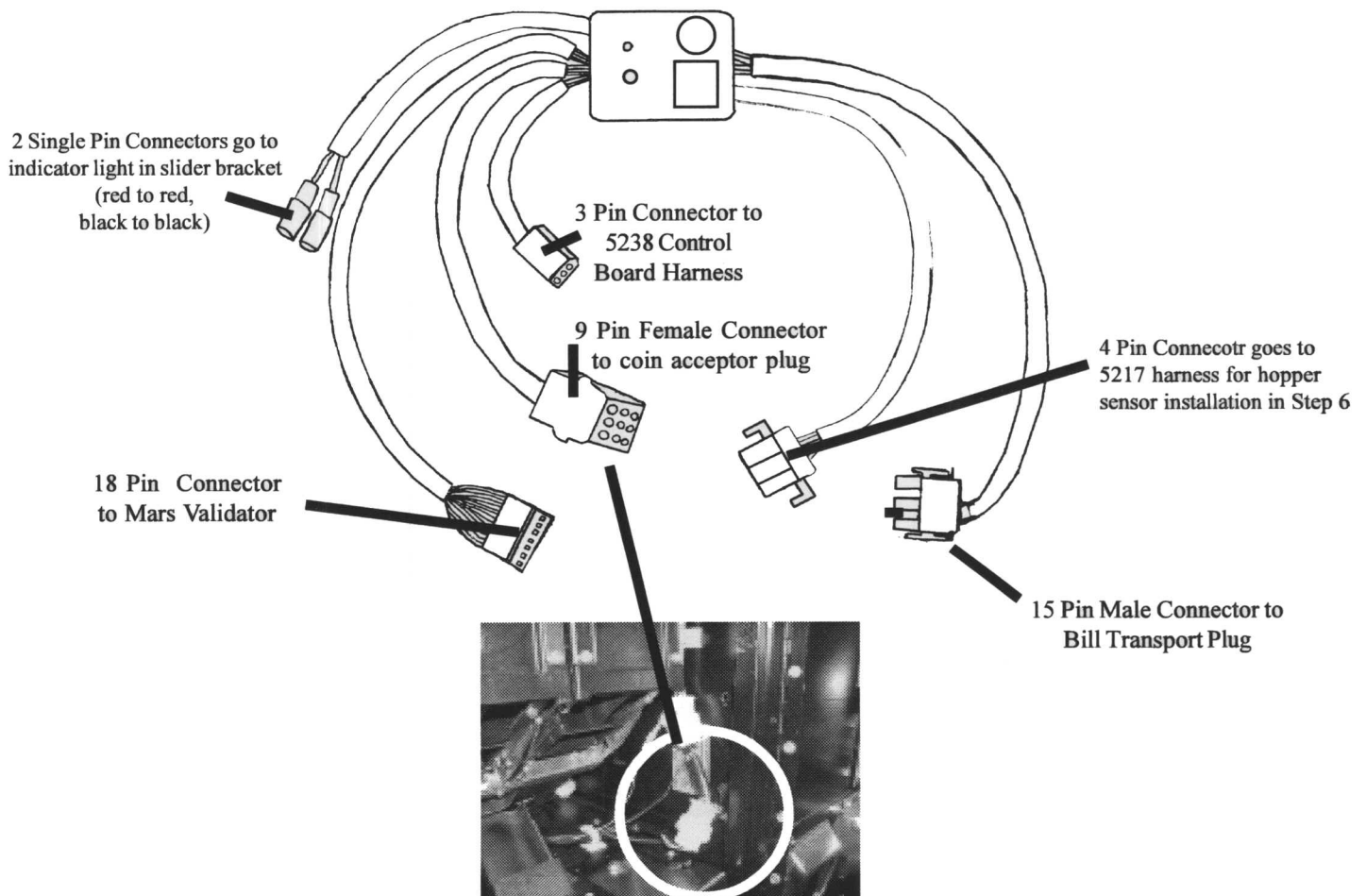
View of bill changer with door closed and slider bracket snug against the door.



Step 4 Main Box Assembly (5252) Installation-Figure 15

- A. Plug the 9 pin female connector from the 5252 Main Box Assembly into the 9 pin connector with 7 wires from the 5237 Harness.
- B. Plug the 15 pin connector from the 5252 Main Box Assembly into the bill transport plug.
- C. Plug the 18 pin connector from the 5252 Main Box Assembly into the side of the Mars validator.
- D. Plug the 3 pin connector into the matching end of the 5238 Harness.
- E. Plug the two wires single pin wires from the indicator light into the matching red and black single pin wires from the 5252 Main Box Assembly (red to red - black to black).
- F. Plug the open end of the 5239 Harness from Step 4B into the Mars validator. Run the wires from the validator back through the clips installed on the underside of the slider bracket.

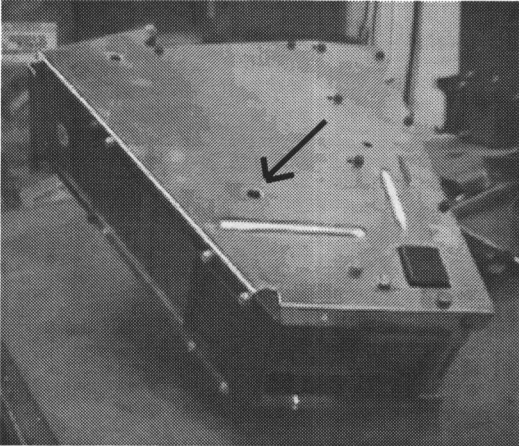
Figure 15 5252 Main Box and Harness Assembly



Step 5 Hopper Sensor Installation

- A. Take one of the empty hoppers and lay down flat on its left side so that the right side of the hopper is facing up. See Figure 16.
- B. Locate one of the adhesive backed squares included with the kit. Peel the back off and place over the hole located near the bottom of the hopper side so that the hole in the square is centered over the hole of the hopper side. Press down firmly so that the square sticks to side of hopper. See Figure 17.

Figure 16



The arrow is pointing to the hole where the hopper sensor will be attached.

Figure 17

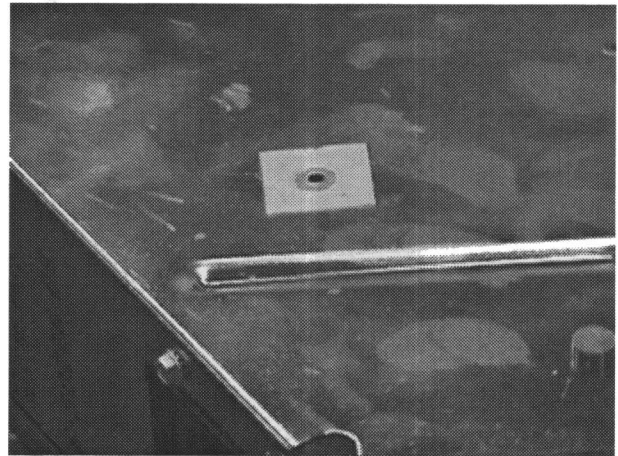


Photo shows placement of adhesive backed square with its hole centered over the hole located on the side of the hopper.

- C. Locate another the of the adhesive backed squares, a washer, and one of the #8 screws included with the kit. Put the screw through the hole of the washer first and then through the square.
NOTE: For HIGH capacity hoppers, use the metal tab with double sided tape instead of the washer. This allows the sensor to go further down into the hopper (Figure 18).

Figure 18 For HIGH capacity hoppers ONLY

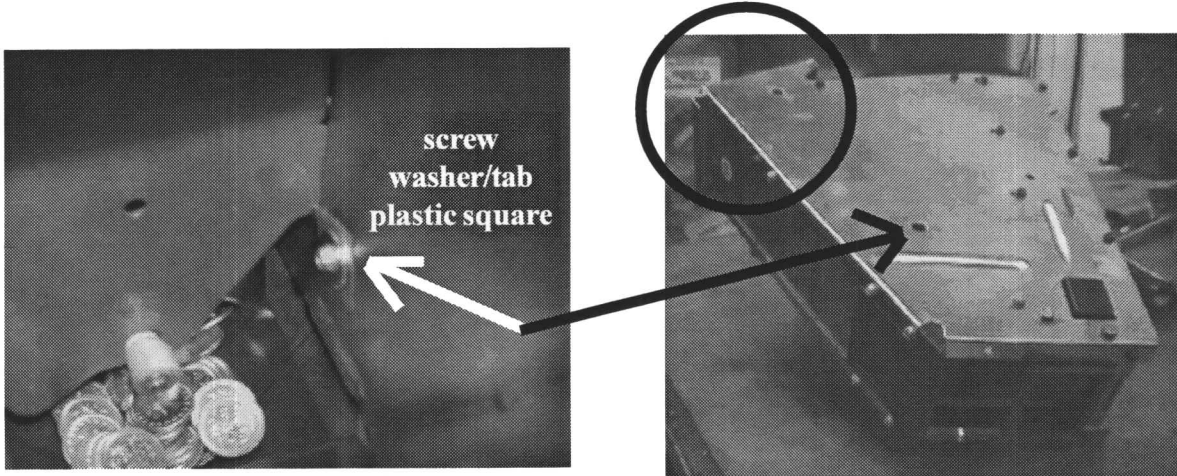


Metal tab with screw shown going through the tab and the adhesive backed square before being placed inside the hopper .

For REGULAR hoppers, the washer goes in place of the metal tab shown here.

- D. Peel off the backing from the square. Take this assembly and reach down into the hopper and place the screw through the side of the hopper and the square affixed to the side of the hopper in Step 6B (Figure 19). The head of the screw is **inside** the hopper.

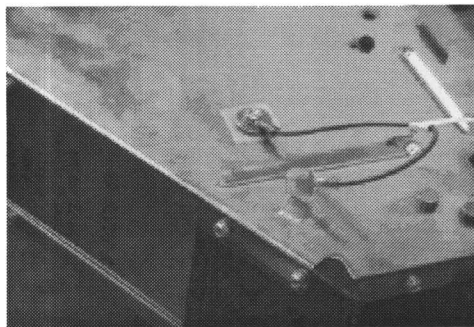
Figure 19 View looking into hopper from top opening



View looking into the hopper from the top opening in the right hand photo. Shows the washer in place to act as a sensor when the coins are low.

- E. From the outside of the hopper, place a washer over the screw, then the ring terminal end of the 5217B wire and finally tighten down with the keps nut included with the kit. See Figure 20.

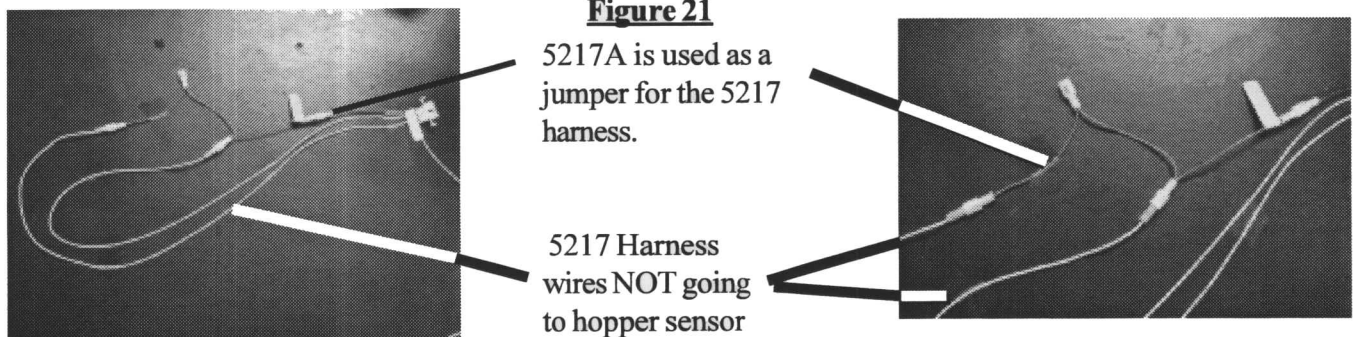
Figure 20



Outside view of hopper with sensor wire in place.

- F. One of the connectors from a white wire on the 5217 harness will attach to the 5217B wire just installed. The other two white wires from the 5217 harness are jumped out using the 5217A harness (Figure 21). The other end of the 5217 harness will connect to the Main Box Assembly (Page 6).
NOTE: It is not required to hook up hopper sensors to both hoppers. An extra 5217B lead wire and the other necessary components are included if you so desire.

Figure 21



5217A is used as a jumper for the 5217 harness.

5217 Harness wires NOT going to hopper sensor

Step 6 Dress the Harnesses

- A. Attach the 2 of the clips included to the underside the slider bracket and run the two harnesses from the validator into the clips (Figure 22).
- B. Use the enclosed cable ties, cable tie holders and clips to dress wires out of the way(Figures 23, 24).

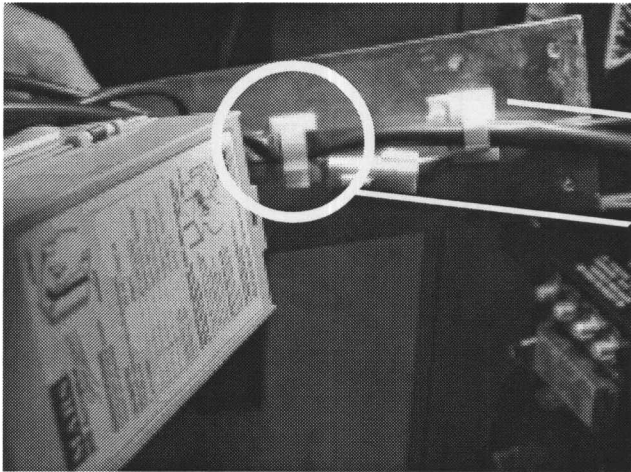


Figure 22

4652 Clips attached to underneath of slider bracket and harnesses running through the clips to avoid them getting in the way of the stacker.

Figure 23 Clip attached above slider bracket to dress harnesses.

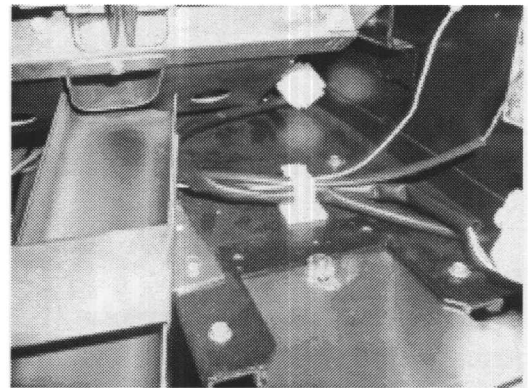
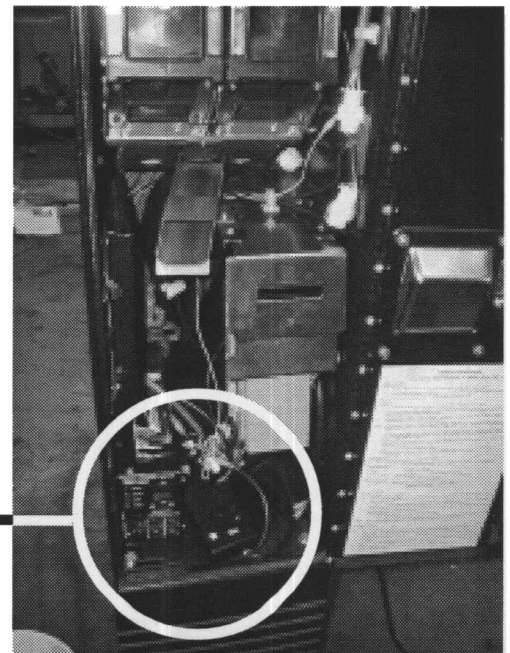
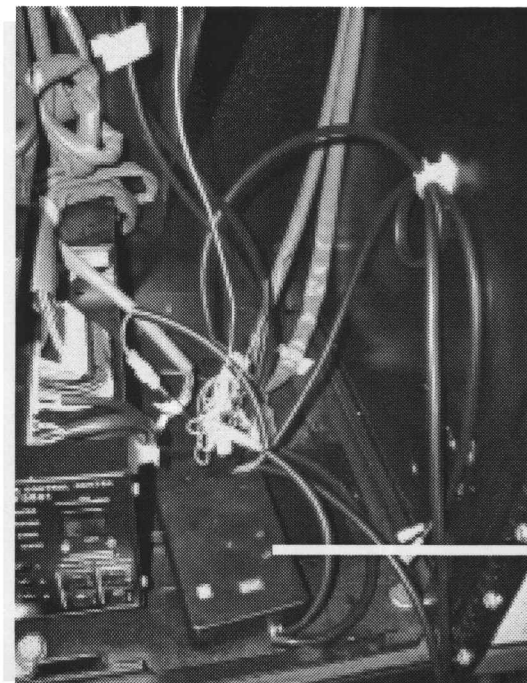
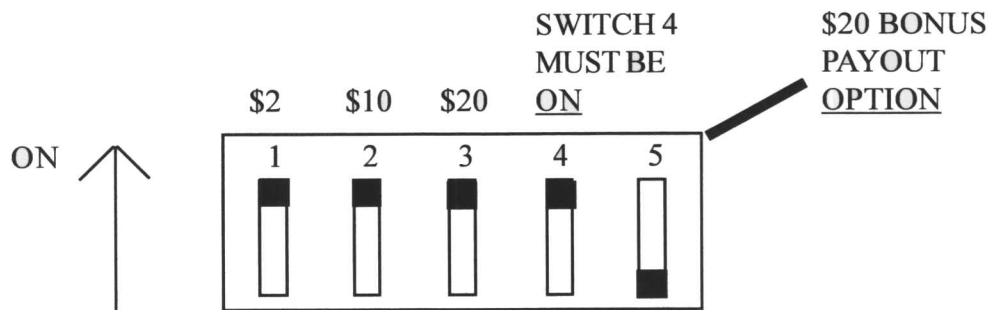


Figure 24 5252 Main Box Assembly located at bottom of bill changer with adhesive backed clips in place.



Step 7 Settings for Dip Switch on 5252 Main Box Assembly and Control Board

The 5252 Main Box Assembly has a series of 5 Dip Switches. The \$1 and \$5 payouts are always ON. The other four switches are for the following:



SWITCH 1: Turns \$2 Payout OFF and ON

SWITCH 2: Turns \$10 payout OFF and ON

SWITCH 3: Turns \$20 Payout OFF and ON

SWITCH 4: Must be in the ON position for a BC-1200

SWITCH 5: **When ON, pays out an extra \$1 for \$20 (i.e. \$21 dollars for a \$20 bill)**
When OFF, pays out \$20 for a \$20 bill.

BOARD SETTINGS

For a BC-1200, You **MUST** turn the \$1 coin accept setting ON. The rest of the board settings depend on the payout that you desire for your bill changer.

Step 8 Put hoppers back in place

Step 9 Test vend the unit

Parts included with kit:

Part Number	Description	Qty.
5252	Main Box Assembly w/indicator light	1
5239	Power Harness to Validator-110V	1
5238	Payout Harness	1
5237	Power to Main Box Harness	1
5184	Slider Bracket	1
5225	Label-Insert Bill Here	1
5217	Low Coin Sensor Harness	1
5217A	Daisy Harness (unused hopper sensor wires)	1
5217B	Lead Wire for Hopper Sensor	2
5223	Plastic Square with Hole	4
5224	Metal Tab with double sided tape	2
5222	Label-\$1, \$5, \$10, \$20	1
5222A	Label-\$1, \$5, \$10	1
 Hardware:		
4601	Cable Tie-5 1/2"	6
4650	Tie Mount	6
4652	Clip with adhesive	6
7207	Keps nut-8-32	4
7344	Carriage Bolt-1/2"	1
7260	Hex Nut-1/4-20	1
7261	Lockwasher-1/4-20	1
7349	Screw-8-32	2
7207	Keps Nut-8-32	2
MIS815	WASHER	4
MIS 492	Velcro-Hook	2"
MIS 493	Velcro-Loop	2"