

Instructions for 5190A Conversion Kit for Rowe BC 11 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 VN2511U7E with 700 Stacker (300,500 Stacker optional) for BC-11

Step 1 Inside The Bill Changer

- A. Lift and Remove Hoppers.
- B. Remove the Dispenser by following the directions located on the plate that is now in clear view with the hoppers removed.
- C. Unplug the bill transport plugs.
- D. Remove the bill transport by sliding along the rails and unlatching the catches.
- E. Unscrew the 2 screws holding the stacker assembly (see figure 1). Remove the stacker assembly by sliding out along the rails and unplugging the 8 pin plug from the rear. This also removes the coin chute at this point.

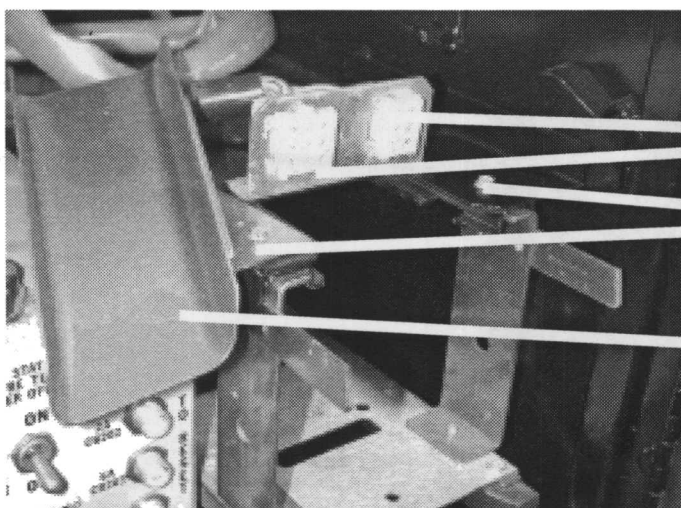


Figure 1

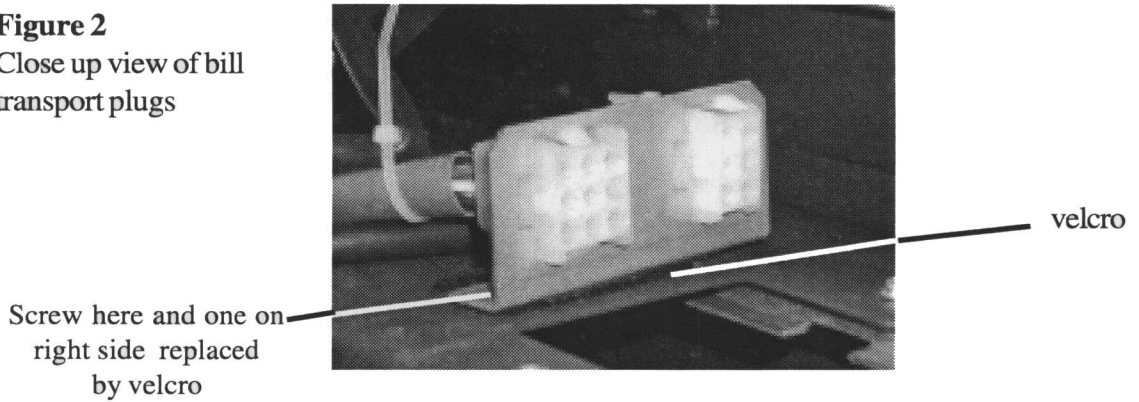
Bill Transport
Plugs

Screws to hold
stacker assembly

Coin Chute

- F. Unscrew the bracket holding the bill transport plugs and reattach using the 2" piece of velcro included with the kit (Figure 2)

Figure 2
Close up view of bill transport plugs



- G. Disconnect the coin acceptor plug, the sold out light plug and the power plug to the control box (Figure 3).

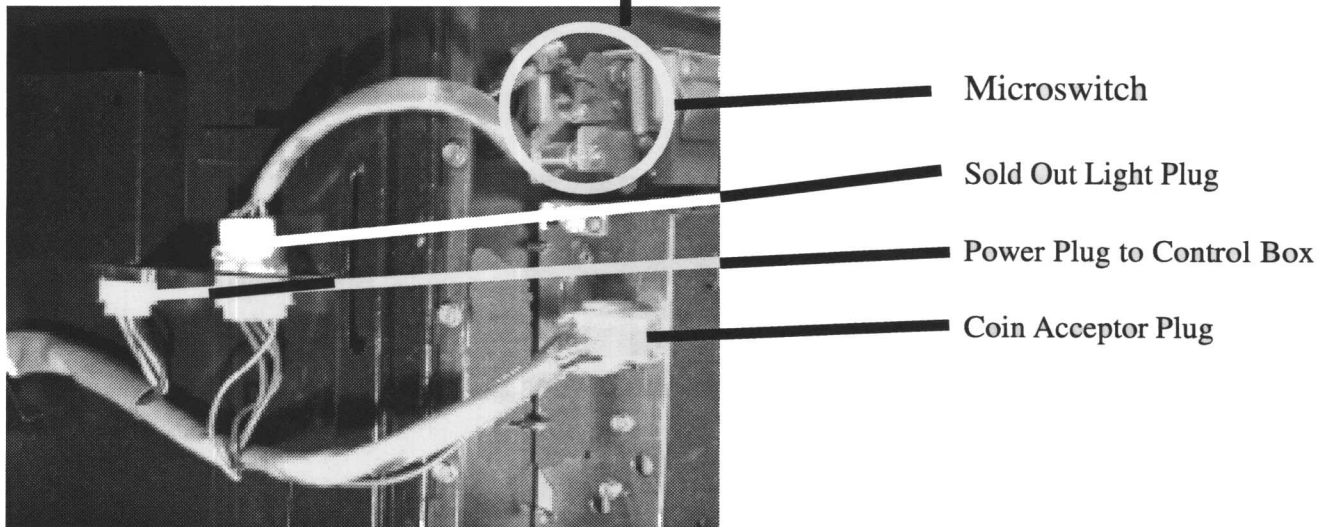
- H. Disconnect the 2 wires attached to the microswitch on the door that controls the money return handle. Tape ends of wire separately and tie these off using electrical tape.

NOTE: Failure to disconnect these wires could result in the customer losing his money.

Figure 3

Right hand, inside wall of bill changer

Door



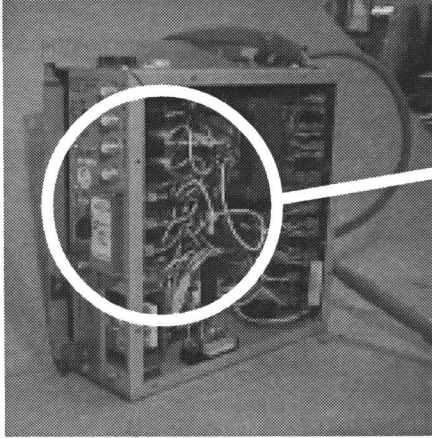
- I. Pull stacker harness up through the hole in the back right hand corner of the bill changer.

- J. Unscrew the 2 screws holding the power control center in place and slide the power control center completely out of the bill changer.

Step 2 Attaching the 3 Wire Harness to the Power Control Center

A. Remove the side plate of the Power Control Center (Figure 4).

Figure 4
Power Control Center
with side panel removed



Location of
Test (Payout) Switches

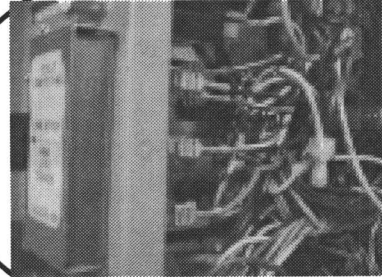


Figure 5
Terminal Connectors-Piggy Back
Style and Side by Side

B. Locate the 5193 3 wire harness. Using the multi stack terminals (Figure 5), connect the 5193 harness along with the original wires to the test (payout) switches with the following color coded wires (Figure 6): **SEE NOTE ON NEXT PAGE FOR SPECIFIC INSTRUCTION REGARDING THE USE OF PIGGY BACK CONNECTOR**

Test Switch
Wire Colors
Brown/White
Purple/White
Red/White

5193 Wire
Brown/White (Uses piggy back style-See Figure 7)
Purple/ White (Uses side by side style)
Red/White (Uses side by side style)

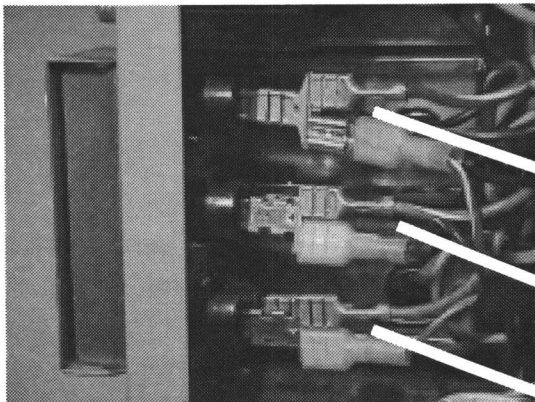


Figure 6 View with piggy back and
side by side connectors in place and
5193 harness attached to
matching wires

Brown/White Wire
(piggy back connector)

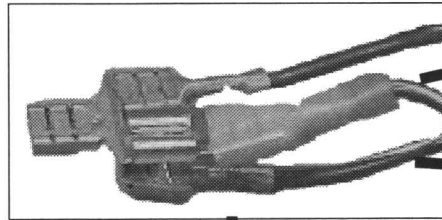
Purple/White Wire
(side by side connector)

Red/White Wire
(side by side connector)

NOTE: The brown/white wires to the test vend switch are already attached to the switch with a side by side terminal connector. You will be using the piggy back style connector to connect the brown/white wire from the 5193 harness to the brown/white wires from the test vend switch (Figure 7).

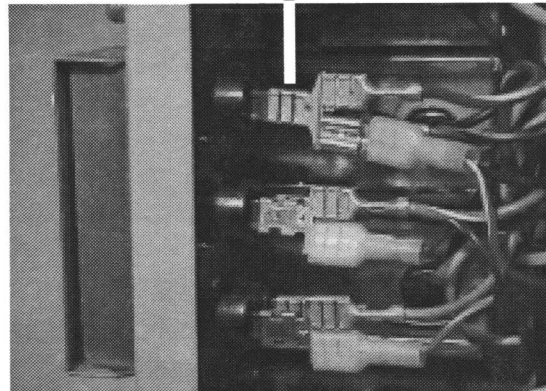
Figure 7

View of piggy back connector in place with 5193 Harness (brown/white wire) in place. The piggy back connector is attached to the side by side connector already in the Power Control Center.



Brown/White wire
from
5193 Harness

Brown/White Wire
from Test
Vend Switch



- C. Run the harness through the Power Control Center so that it comes out through the back of the unit (Figure 8).
- D. Reinstall the side plate of the Power Control Center removed in Step A.
- E. Slide the control center back into place and reinstall the 2 screws to hold it in place. Make sure the wire harness that you just installed is off to the side so the connector can be reached.
- F. Run stacker harness back through the hole in the back right hand corner of the bill changer (Opposite of Step 1I).

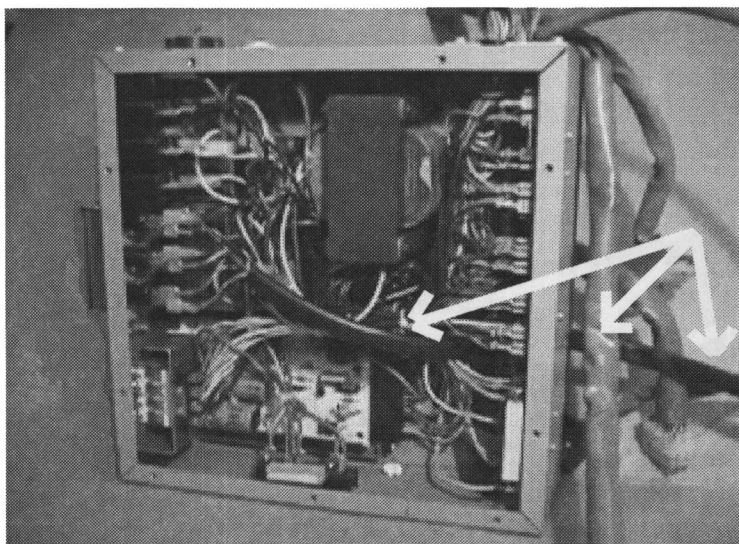


Figure 8

View with 5193 Harness
in place and coming out the back of
the power control center

Step 3 Install Mars Validator

- A. Set the following switches of the Mars validator to the ON position: 1, 2, 4, 6, 8.
- B. Mount the Mars validator **upside down** to the slider bracket included with the kit. This bracket simply slides on the tracks where the stacker was located before being removed in Step 1E (Figure 9).

Figure 9



Slider Bracket installs along these tracks

- C. 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 10).

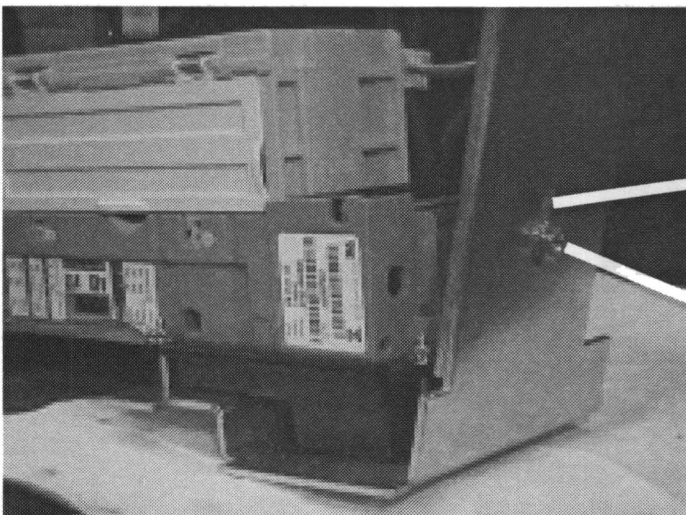


Figure 10

Adjusting Slot

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

Step 6 Dress the Harnesses

- A. Attach 2 of the clips included to the underside the slider bracket and run the two harnesses from the validator into the clips (Figure 14).
- B. Use the enclosed cable ties and cable tie holders to keep the other wires out of the way (Figure 15).

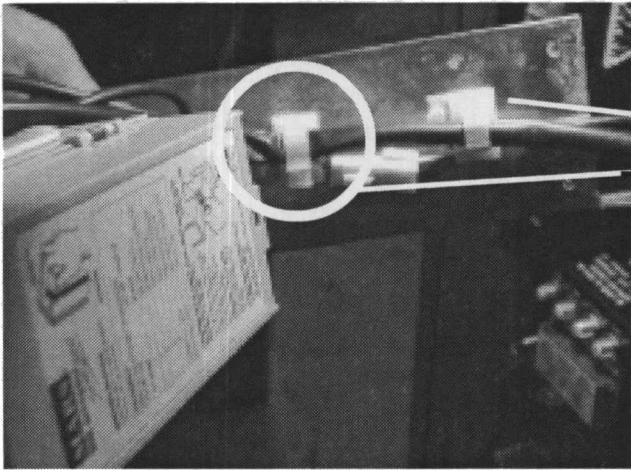
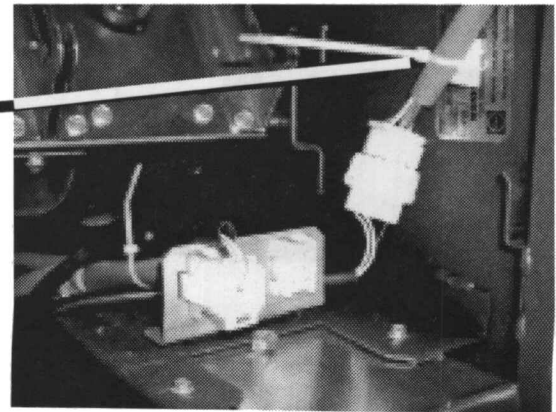
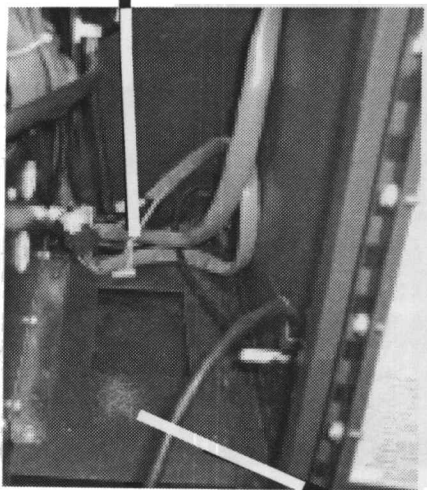


Figure 14

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 15

Cable tie and holder used to dress harness out of the way. Other cables are run behind and below the stacker of the Mars validator.



5185 Main Box will mount to cabinet floor below and behind stacker of Mars validator



Step 7 Computer Board Setup

<u>Payout</u>	<u>Setting</u>
\$1	2 Quarters right hopper 2 Quarters left hopper
\$5	10 Quarters right hopper 10 Quarters left hopper

Notes:

1. With a \$1 board, use the 50 cent payout for \$5, and 25 cent payout for \$2.
2. With dollar coin, settings will depend on desired payout (EX: 4 dollar coins and 4 quarters, or 3 dollar coins and 8 quarters).
3. To convert a quarter hopper to dollar hopper requires a new chain.
(Rowe part number 350437-05).

Step 8 Dispenser Assembly and hopper s back in place

- A. Put dispenser assembly back in place remembering to plug in 15 pin connector. Bolt back down to the bill changer
- B. Put hopper s back in place.
- C. Reinstall the coin chute from the hopper payout to the door using the original screw and keps nut.

Step 9 Test Vend the Unit

Parts included with kit:

<u>Part Number</u>	<u>Description</u>	<u>Qty.</u>
5185	Main Box Assembly	1
5186	Power Harness-110V	1
5193	3 Wire Harness	1
5184	Slider Bracket	1
5225A	Label-Insert Bill Here	1

Hardware:

7344	Carriage Bolt-1/2"	1
7260	Hex Nut-1/4-20	1
7261	Lockwasher-1/4-20	1
4601	Cable Tie-5 1/2"	6
4650	Tie Mount	6
4651	Grey Clip with adhesive	2
7207	Keps nut-8-32	4
5196	Multi Stack Terminal-Side x Side	2
5197	Multi Stack Terminal-Piggy Back Style	1