Hamilton Manufacturing Corporation

STA EPROM INSTALLATION INSTRUCTIONS

1)   Remove the (8) 4-40 x 1/8 PH screws and gently lift the top cover off. Two of these screws hold a switch guard on.


1/8 LG. PH SCREWS
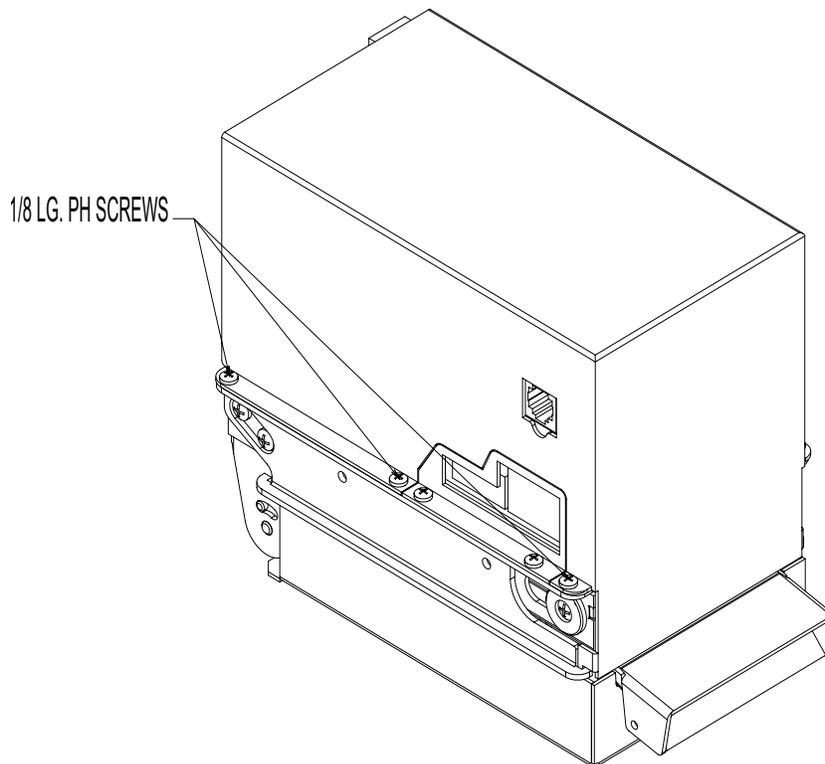
DIAGRAM 1

2)   Unplug the motor which is located on the top of the stack boards, with validator chute facing you, the plug is in the back left corner (red, brown, yellow and orange wires).

3)   Slide the white 9 pin Molex out of its position. Unplug the 12 pin connector from the top of the board.

4)   Remove the (4) 4-40 x ¼ PH screws from the top stack board. These screws are located in each corner.

#4-40 X 1/4 LG. PH SCREWS
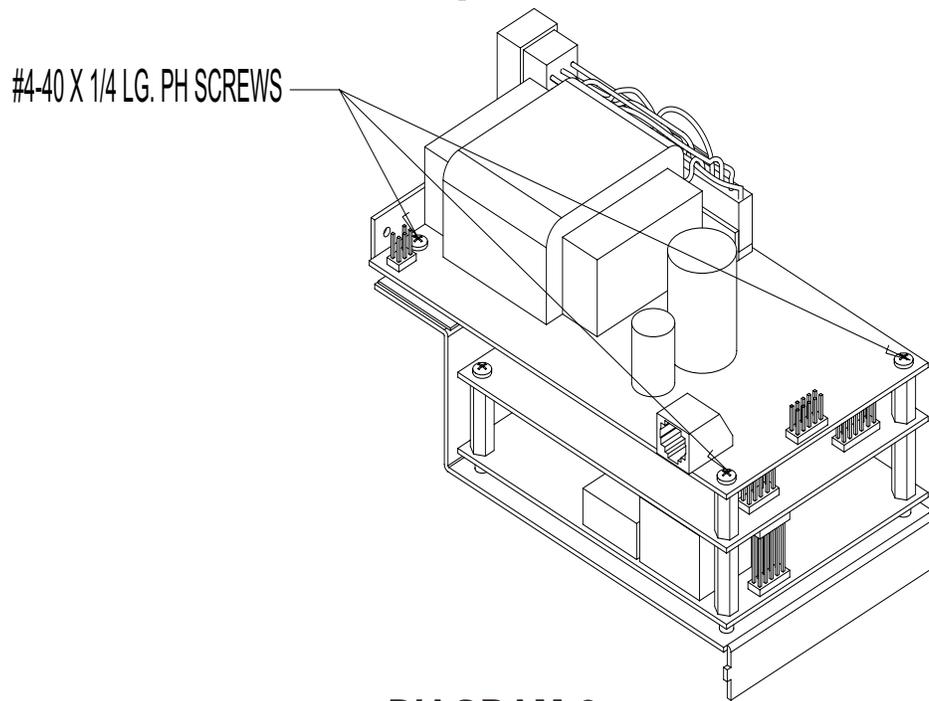
DIAGRAM 2

5)   Lift the top stack board up, there are two plugs holding the top and middle boards together. **Be careful not to damage the plugs when separating the boards.**

E-PROM

FRONT PLUGS
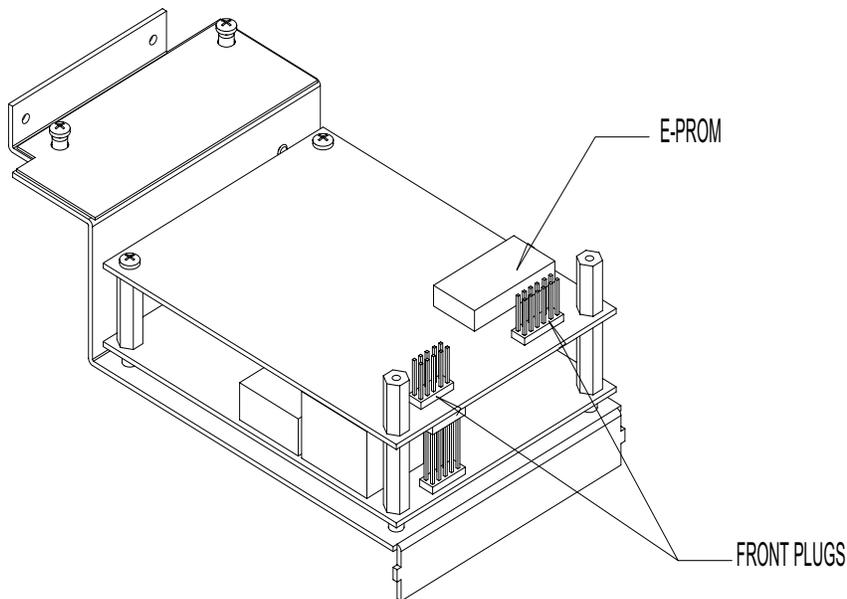
DIAGRAM 3

6)   Remove the EPROM out of the socket location U2. See Diagram 3.

7)   Install new EPROM, making sure the notch on the EPROM is matched to notch on the board (faces the U2

printed on the board).

8) Reinstall the top board, be careful not to bend or miss any pins on the plugs when putting them back together. When the plugs are all lined up, push down on the top board to insure a good connection.

9) Reinstall the (4) 4-40 x ¼ PH screws in each corner.

10) Plug the motor in, this plug is keyed so you should not be able to plug this in wrong. Make sure the wires are tucked in between the board and the back plate of the validator. This is so that the wires are not pinched when putting the top cover back on.

11) Slide the white 9 pin Molex back into its notch. **Note: make sure the three wires across the top of the plug are yellow, double white and tan.** If not, when the validator is plugged back into the machine it will short and the validator will need service. Plug the 12 pin connector back on. Make sure the green ground wire is tucked in between the board and the back plate of the validator. This is to insure that it's not pinched when putting the top cover back on.

12) Install the switch guard using (2) 4-40 x 1/8 PH screws.

13) Reinstall top cover. There are two tabs, one on each side of the top cover located in the front bottom corners. Make sure they go into the notches to insure a perfect fit. Then reinstall the remaining (6) 4-40 x 1/8 PH screws. See Diagram 1.

14) Run the sensor calibration. See below.

STA Sensor Calibration

1) Take a clean piece of white copier paper and cut it to the size of a bill (test bill).

2) Set the switches on the side of the validator so that only #8, #7 and #1 are in the ON position.

3) Insert the paper. It should step in slowly (takes about 8-10 seconds).

4) The validator will reject the paper. When you remove the paper from the validator, the display should flash "11". This means the process was completed.

5) Turn all the switches back to the OFF position.

6) IMPORTANT! Power down the validator for about 15 seconds. Then power it back up and try a bill.

7) Calibration complete.