

Instructions to Install Retrofit Kit Studio SL Machine

**** TURN MACHINE POWER OFF BEFORE INSTALLATION ****
READ ALL INSTRUCTIONS BEFORE STARTING INSTALLATION

RVMC-120SL-1L Retrofit Kit Contents

PART NAME	QUANTITY	PART NUMBER
PCBA, AP120-ST/SL Retrofit VMC	1	10-0349-10
Assembly, Studio OLED Display w/ Cable	1	10-0064-20L
Studio SL VMC Mounting Plate	1	05-1175-10
Cable, Studio ST/SL Keypad Adapter	1	11-1710-00
Cable, Studio SL Service & Golden Eye Adapter	1	11-1710-70
Cable, DEX (long)	1	DEX-27L-01
Hardware for Studio SL	1	05-0169-04

Tools Needed:

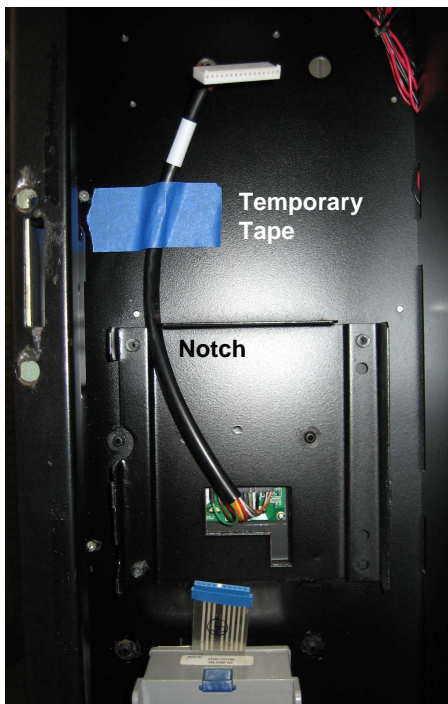
Screwdriver, Philips (control board & display)
Nut Driver, 3/8", 1/2" (bill validator, bezel)

Installation Procedure:

1. Remove the bill validator to gain access to the nuts holding the front bezel.
2. Unplug all cables from the existing control board.
3. Remove the metal control board cover (a screw locks it to the support frame top). Discard.
4. Unscrew the 4 screws holding the existing control board and remove the board. Discard.
5. Remove the inside nuts (8x) holding the plastic display / keypad bezel to the front of the machine. Save for reinstallation.
6. Take the bezel off the machine and remove the red plastic display lens. Be careful with the keypad and its cable – they will still be used.
7. Push the **10-0064-20L** display case & cable (**11-1710-60**) through the bezel display hole. It takes a little pressure, but fits. If need be, file the four corners of the bezel slightly. Note the display case should be oriented with the window on the upper half of the case. The cable should hang down.
8. Reinstall the bezel using the nuts (8x) removed in Step 5. The keypad cable goes through the bottom hole and new display cable goes through the original LED display hole. Bend the display cable upwards through the left notch in the support frame that held the control board cover. Make sure the cable is to the right of the plastic standoff so the mounting screw does not go through the cable. A temporary piece of tape should be used to hold the cable from falling. (See **Pic 1**)
9. Install the new **05-1175-10** control board mounting plate by slipping it onto the support frame. The 2 mounting notches should be on the bottom, the 5 plastic VMC standoffs should be facing outwards, and the 2 metal PEM studs should be facing inwards. Push the plate downwards to lock into the tabs. Put a nylon washer onto each of the No. 6 sheet metal 1-1/4" screws (supplied in kit) and insert into the left and right center holes of the plate to lock it into place. The screws pass through PEM studs on the back of the plate to help guide them into the 2 upper standoffs that the original control board was screwed into. Tighten into place. (See **Pic 2**)

10. Install the new **10-0349-10** control board using the five 1/4" long 6-32 screws (supplied in kit). The red dip switch, beeper, and yellow service push button should be on the right. Note the control board is static sensitive so take care when handling it. (See **Pic 3**)
11. Insure that Dip Switch 1 (top) is **ON** (to right) to SL mode. Dip Switch 2 (bottom) is **ON** (to right) if drop sensors are used or **OFF** (to left) if no drop sensors used.
12. Connect the original motor cable to the bottom of the control board **Motor** header **J6**.
13. Connect the original power cable to the bottom of the control board **Power** header **J5**.
14. Connect the new **11-1710-60** display cable to the top of the control board **Display** header **J12**.
15. Connect the pin end of the new **11-1710-00** keypad cable to the existing keypad cable. Connect the other end of the cable to the two keypad control board headers **J7** and **J23**. **J7** is located on the upper left board edge and **J23** just to the right of it. The connectors are keyed differently so they can only go on the correct headers. The keys are towards the top.
16. Connect the pin end of the new **11-1710-70** Service & Golden Eye cable to the existing service and drop sensor cable. Connect the shorter service end of the cable to the right side **Service** header **J3**. Connect the longer drop sensor end of the cable to the upper left side **Vend Sensor** header **J11**.
17. Connect the **DEX-27L-01** DEX cable to the upper right side DEX header J2. Let the cable dangle or wire tie as desired.
18. Reinstall the bill validator and connect its MDB cable.

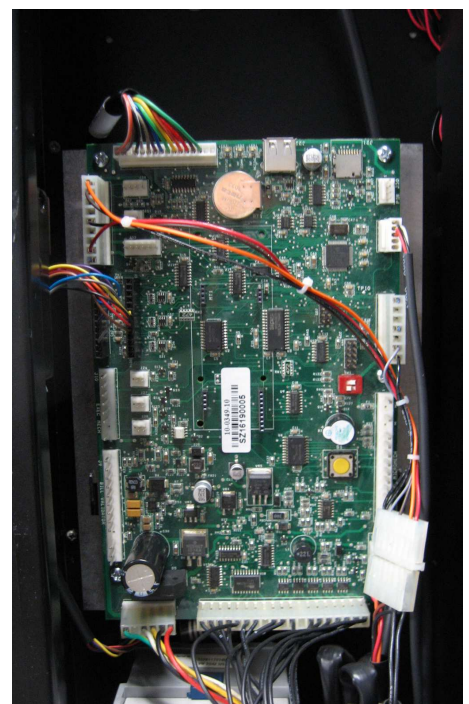
Finished !!



Pic 1 – Display Cable



Pic 2 – Mounting Plate



Pic 3 – Mounted Controller

<p>Setup Menu Keypad Scroll Up – Key < Scroll Down – Key > Enter – Key # Cancel – Key C</p>
--