

# Controller PCB Replacement

This replacement Controller PCB Kit allows an field replacement for the DM-700 and LM-700 dispensing systems.

**WARNING! This service replacement part is intended for use only by experienced installers! All machine and dispenser power must be shut off during this replacement procedure!**

## Instructions

- 1.0 Remove the two cabinet screws (Front Cover). Invert the cover assembly (as if hinged along top edge) and rest atop the cabinet (rear enclosure) if suitable. Unplug all connections between the main controller PCB and the rear enclosure, and remove the two tethers along top edge at the rear enclosure to remove the entire cover assembly. Place the cover assembly face down upon a clear work surface.
- 2.0 Disconnect the motors and probe connector (if present) from the PCB.
- 3.0 For removal of the PCB, release it from the snaps (Fig. 1a & 1b) at three points. Tilt the PCB along the top edge. This will release the upper (larger) portion of the PCB. Pivot the larger PCB out of the way to access the lower (smaller) PCB. Release it from the two snaps and remove the entire PCB assembly (Fig. 2).

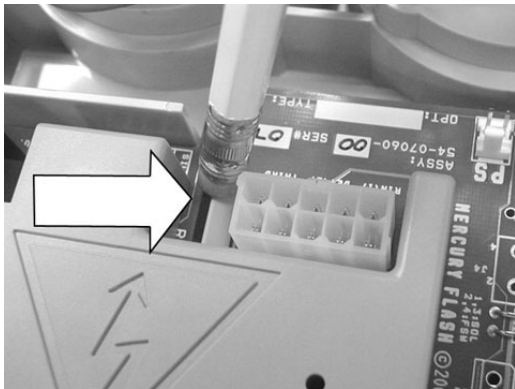


Figure 1a

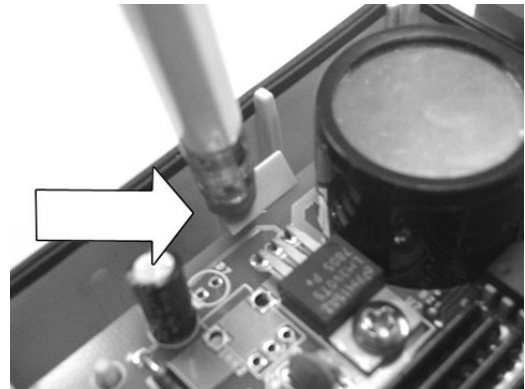


Figure 1b

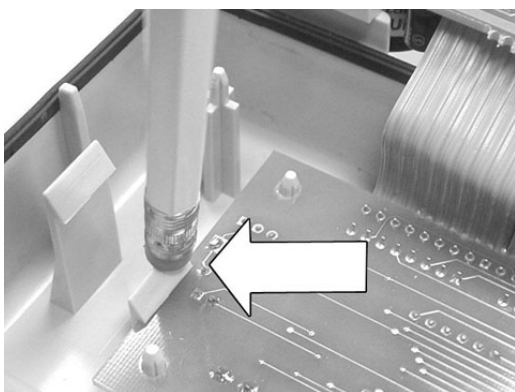


Figure 2



**NOVA CONTROLS**  
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- 4.0 On the replacement PCB assembly break the two boards apart (shipped as one pcb assembly), fold the ribbon cable over the edge of the smaller board (Fig. 3). Press the board into place and insure that snaps have engaged.
- 5.0 Fold the ribbon cable underneath the larger board as it is put into place. The ribbon cable should fold neatly underneath and along the edge of both boards (Fig. 4). Take note of the switch actuator position and the rocker position of the switch on the PCB (Fig. 5). Press the board into place and insure that all three snaps have engaged.

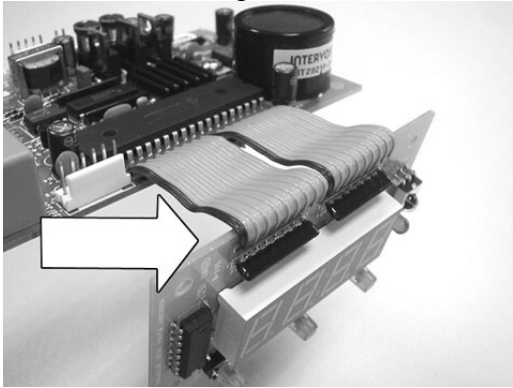


Figure 3

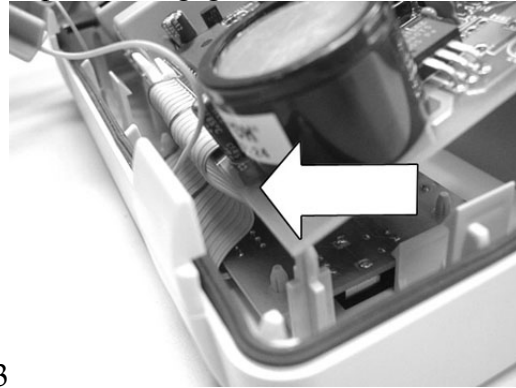


Figure 4

- 6.0 Re-connect the motors and probe in order (Fig. 6a or 6b). The cover assembly portion is complete.
- 7.0 Once the cover assembly is complete, if suitable, place the assembly inverted above the rear enclosure. Make all connections to the main controller PCB. Press the cover tethers into the slots on the rear enclosure. Pivot the cover assembly from the top edge, downward. Insure that the top snaps are completely engaged by pressing along the top edge. Also insure that no wires have been pinched between the front enclosure and the rear assembly. Secure the cabinet with the two screws.
- 8.0 Restore power, reprogram unit, and confirm proper operation.

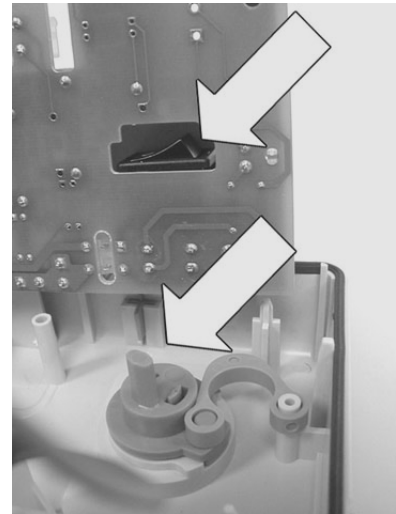


Figure 5

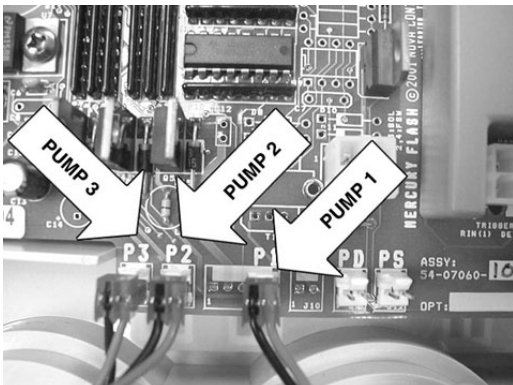


Figure 6a (Laundry Ver.)

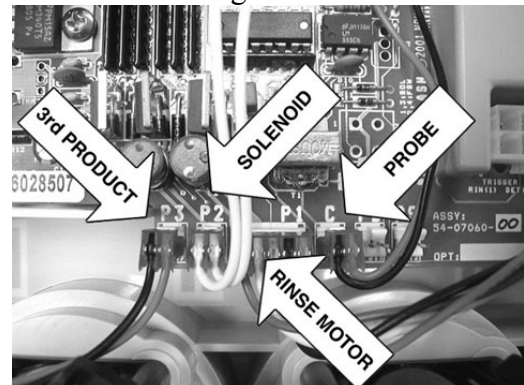


Figure 6b (Warewash Ver.)