

Pump Retrofit/Replacement

This Pump Kit allows a field retrofit of a “third-product” or a replacement of a pump motor for the DM/LM-7XX 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!

Installation Instructions

Note: These instructions can be used in retrofitting a unit, thus adding a motor for a “third product” or replacing a rinse or detergent motor.

- 1.0 Shut off the water supply and disconnect all transport tubing that leads to the unit. Remove the two cabinet screws (Front Cover, Fig. 1). Invert the cover assembly (hinged along top edge) and rest atop the cabinet (rear enclosure) if suitable. It may be convenient to unplug the connecting cables to the front enclosure so that the front enclosure can be removed for ease of installation or replacement.
- 2.0 Remove the pump from the third position of the pump housing (Fig. 2) if this is a retrofit installation.



Figure 1



Figure 2

- 3.0 Place the motor in the same orientation as other installed motors (Fig. 3). Using the four screws (provided in the retrofit or replacement kit) to attach the motor to the pump housing (Fig. 4).

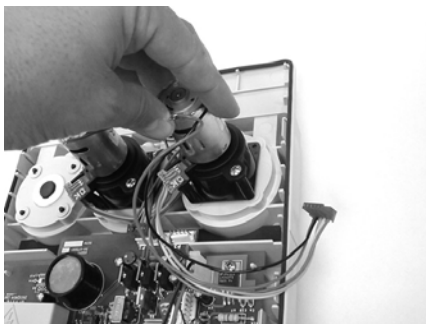


Figure 1



Figure 2



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- 4.0 Connect the motor to the appropriate position on the controller board (Fig. 5). The “third-product” retrofit will go into the “P-3” position. For a replacement, re-connect the motor in the appropriate position.
- 5.0 Install the spinner assembly and transport tubing for the retrofit or replacement. If this is a motor replacement, it is a good idea to install new tubing at this time. Lubricate the pump tubing with the silicone lubricant provided in the kit. Attach the pump cover over the spinner and tubing.

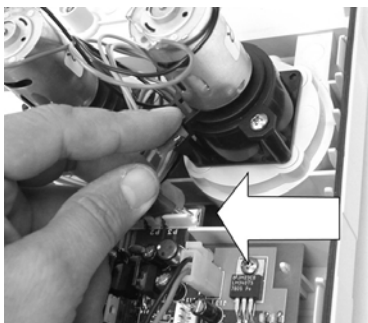


Figure 5



Figure 6

- 6.0 Once the cover assembly is complete, place the assembly inverted above the rear enclosure. Make all connections to the main controller PCB (Fig. 3). Press the cover tethers into the slots on the rear enclosure. Pivot the cover assembly from the top edge, downward. Also insure that no wires have been pinched between the front enclosure and the rear assembly. Secure the cabinet with the two screws.
- 7.0 If this installation is a replacement, restore power and confirm operation. If this installation is a third product retrofit, follow the remaining steps to complete the installation.
- 8.0 **Third Product Installation:** Install the injection fitting at least 6” below the dish machine rinse plumbing vacuum breaker to conform to plumbing codes. On continuous rack, flight, or conveyor machines, be sure this location is downstream from any rinse makeup water.
- 9.0 Restore power, reprogram unit if necessary (as in a retrofit), and confirm proper operation.
- 10.0 **Third Product Programming:** Enter the programming mode of the unit. Go to menu “29” and select third product to run with rinse “1” or to run with detergent “2”. Go to menu “33.2” if in probe mode or menu “44.2” if in probe-less mode and set the third product speed. Exit the programming mode.