

Sprite III Pressure Switch Kit

The Sprite III Pressure Switch kit includes all parts required to add an optional Pressure Switch to the Sprite III DM-700 series dispenser in the field. The following instructions describe the mechanical and electrical installation steps required.

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 surface is not stable, unplug all connections to the main controller PCB and remove two tethers along top edge to remove the entire cover assembly.
- 2.0 As shown in Figure 1, remove the internal partition by leaning it outward at the top and lifting out of the housing. Mind the wiring harness that passes through the notch in the partition.
- 3.0 Remove the snap-in plug that seals the hexagonal opening on the far right as shown in Figure 2. This is where the pressure switch installs.

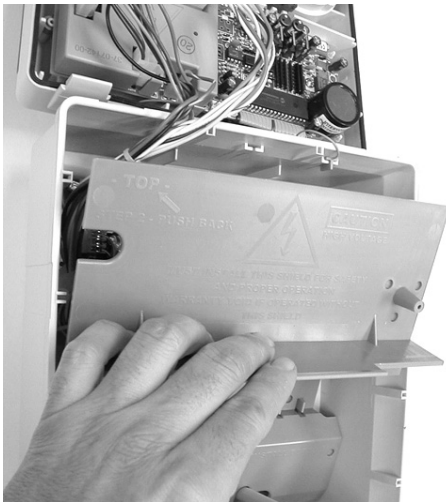


Figure 1

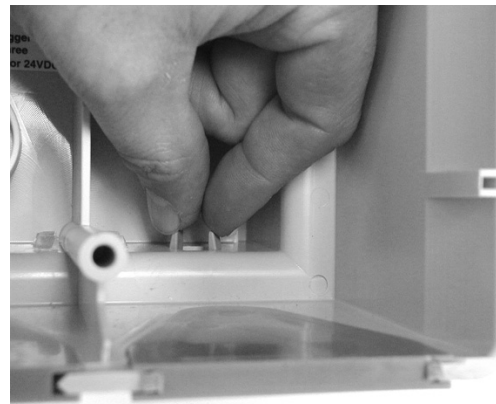


Figure 2

- 4.0 Place the pressure switch through the hexagonal opening from the inside and install the three washers over the thread as shown in order (rubber, thick nylon, thin nylon). Use a standard thread-sealing (Teflon) tape or compound (not provided), install the compression fitting (Fig. 3). Tighten the fitting to hand tight plus one half-turn.



Figure 3



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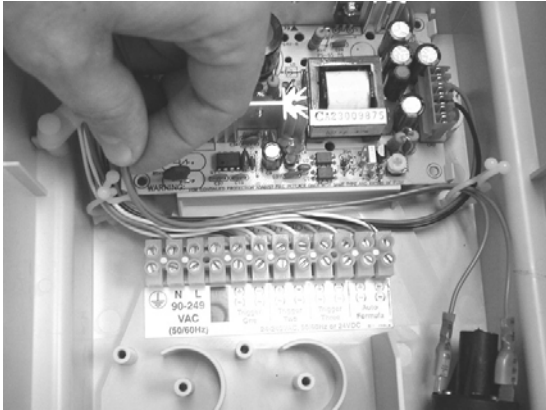


Figure 4

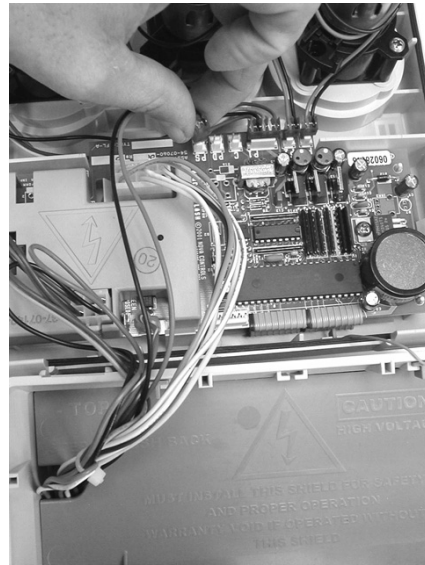


Figure 5

- 5.0 Connect the two quick-disconnect terminals of the wiring harness to the pressure switch and route the wiring through the two wire retainers.
- 6.0 Replace the partition by inserting the bottom edge first and then pivoting inward. Be sure that the wiring harnesses pass through the slot in the partition as it tilts back into place.
- 7.0 Plug the connector of the pressure switch wiring harness into the PCB at the position marked with "PS".
- 8.0 Replace the cover assembly. If the cover was completely removed, 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. Secure the cabinet with the two screws.
- 9.0 Install tee/elbow fitting (provided) in the dishwasher final rinse line injection point instead of the Rinse Injection Fitting. Orient elbow side of the fitting most upstream to help prevent pushing rinse aid into the Pressure Switch. Install Rinse Injector Fitting to tee fitting. (Fig. 3)

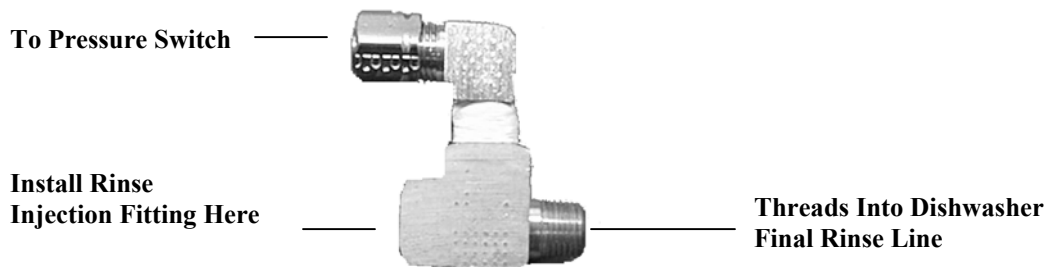


Figure 3

- 10.0 Using appropriate materials (not provided) plumb tubing from the elbow compression fitting to the Pressure Switch compression fitting.
- 11.0 Restore power and confirm proper operation.

CAUTION! Only use tubing made of material suitable for high temperatures to plumb from dishwasher rinse plumbing to Pressure Switch. We strongly recommend use of copper tubing for this application.

WARNING! Ensure for safety and proper operation of the system, that all ground connections are properly made.