

INSTALLATION INSTRUCTIONS

Sure-Fill Module Replacement

SAFETY INSTRUCTIONS

 **WARNING:**

Before starting installation, read and understand all safety label and warnings on the machine. Also review and understand all safety instructions in the owners, installation and service manuals.

Failure to comply could result in serious injury, death or damage to the equipment.

QUALIFIED SERVICE PERSONNEL

 **WARNING:**

Only trained and certified electrical, plumbing and refrigeration technicians should service this unit.

All wiring and plumbing must conform to national and local codes. Failure to comply could result in serious injury, death or equipment damage.

SAFETY PRECAUTIONS

This unit has been specifically designed to provide protection against personal injury. To ensure continued protection observe the following:

 **WARNING:**

Disconnect power to the unit before servicing. Follow all lock out/tag out procedures established by the user. Verify all power is off to the unit before performing any work.

Failure to comply could result in serious injury, death or damage to the equipment.

 **CAUTION:**

Always be sure to keep area around the unit clean and free of clutter.

Failure to keep this area clean may result in injury or equipment damage.

TOOLS REQUIRED

- 3/8" wrench or nut driver
- Screwdriver with 5/16" blade
- Screwdriver with 1/4" blade
- Screwdriver with 1/8" blade

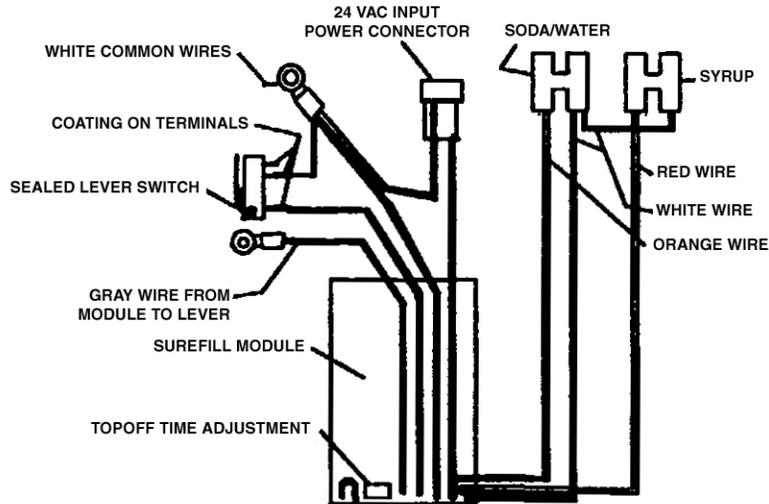


Figure 1 Replacement Module

1. Remove the front and rear covers from the valve.
2. Close the syrup and water shutoffs on the valve mounting block.
3. Actuate the valve to remove pressure inside the valve. Find an alternate method to relieve pressure if the valve will not open.
4. Disconnect input power lead to the dispenser valve.

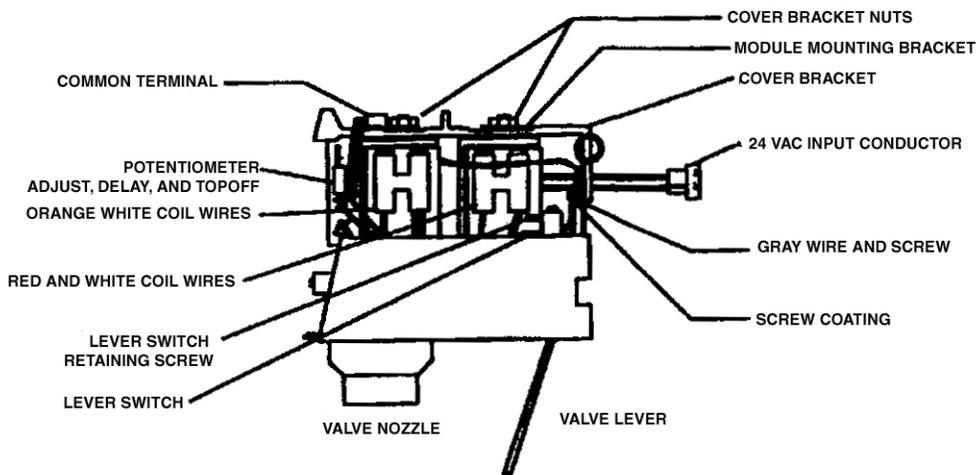


Figure 2 FFV Valve Side View

5. Remove the nut holding the white wires with the ring terminal to the valve cover mounting bracket. (Refer to Figure 2)
6. Remove the nut at the top of the valve assembly which holds the bracket and black box of the module. (Refer to Figure 2).

7. Remove lever switch by removing the screw holding it to the valve body. (Refer to Figure 3) Remove screw and the ring terminal attached to the gray wire from lever. (Refer to Figure 3)

NOTE: The screw holding the ring terminal to the lever. The screw is coated and the coating will need to be scraped from the slot of the screw before it can be removed.

8. Remove the connectors with the orange and white wires from the pink valve coil and the connector with the red and white wires from the red valve coil. (Refer to Figure 3)
9. Remove the module from the valve assembly.
10. Install the new module using the above procedure in reverse order for removing the module. Figure 2 shows where the gray lever wire must be located when module reassembly to the valve bracket is complete. The gray wire must be located where it will not be cut or pinched.
11. After the replacement module is installed on the valve, check the operation of the valve as described below:
 - Connect power lead to dispenser valve. Place cup against lever and allow cup to fill and "topoff". Module is set for two topoffs. Refer to Figure 2 for location of power lead.
 - Topoff can be eliminated if potentiometer (Refer to Figure 2) on module is turned counter-clockwise to minimum position. Cycle time between topoffs is increased by turning the potentiometer clockwise in small increments until the desired time between topoffs is set. Ensure the cycle time between topoffs meets the customers needs.

If a problem occurs, check the FFV Trouble Shooting Guide. If the problem cannot be located, contact Cornelius Customer Service at 1-800-238-3600.

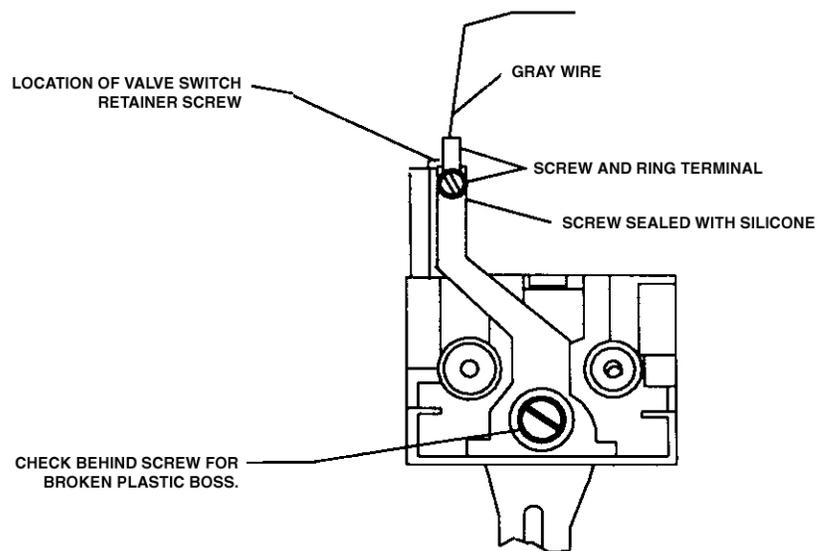


Figure 3 FFV Valve Rear View