

Installation Instruction

Summit XL Flush Manifold Upgrade



Prior to upgrading the flush manifold, confirm that the firmware has been upgraded.

FIRMWARE UPGRADE

Check the firmware version displayed on the programmer at power-up; if it is V1.3 or lower, you need to replace the pumpbox PCB with a new PCB (Code #1202301) shipped after April 1, 2004.

To change the PCB:

1. Upload the old PCB's setup information into the programmer.
2. Replace the PCB and download the setup information.
3. Discard the old PCB.

The new firmware contains the following changes:

- In the event of a stuck flow switch in any position, the Summit XL will display a "No Flow" error message and continue to display that message even if the power is cycled on/off. NOTE: The Summit XL will not dose when a "No Flow" error is present.
- To remove flush from a dispenser, the flush time must be set to "0" and power cycled on/off.

MANIFOLD UPGRADE

There are three parts to the manifold upgrade:

- Replacing the check valve between the flow switch and manifold
- Replacing the piston in the flow switch
- Rotating the orientation of the flow switch 180°

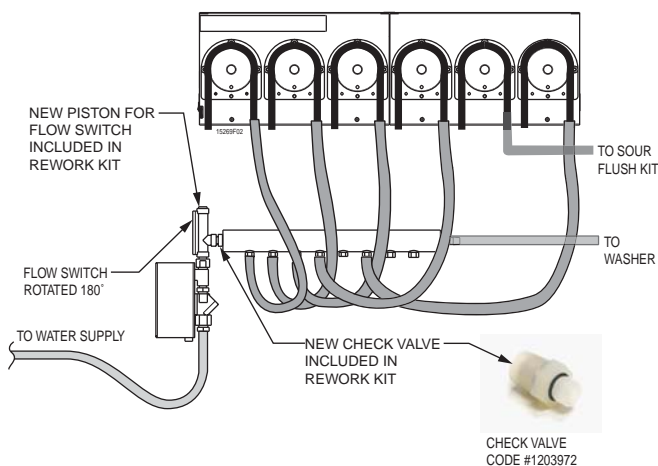



Figure 1. Replacing Check Valve

1. Enter program mode flush time screen and manually run flush for 20 seconds to clear transport line of chemical residue.
2. Put a bucket under the flow switch.
3. Disconnect solenoid water supply tube from flow switch, collecting water in bucket.
4. Unscrew fitting on solenoid outlet and discard tube and fitting.
5. Remove the fitting between the flow switch and manifold and replace it with check valve #1203972 supplied in kit.
6. Hand-tighten flow switch onto new check valve so flow switch is oriented as shown in Figure 1.

Replace flow switch piston by unscrewing the flow switch plug. Discard the old piston, and insert the new one, flat end first as shown in Figure 2. The new piston has a white dot on the bottom.

NOTE  If the piston is not inserted with the flat end first, constant "No Flow" errors will occur.

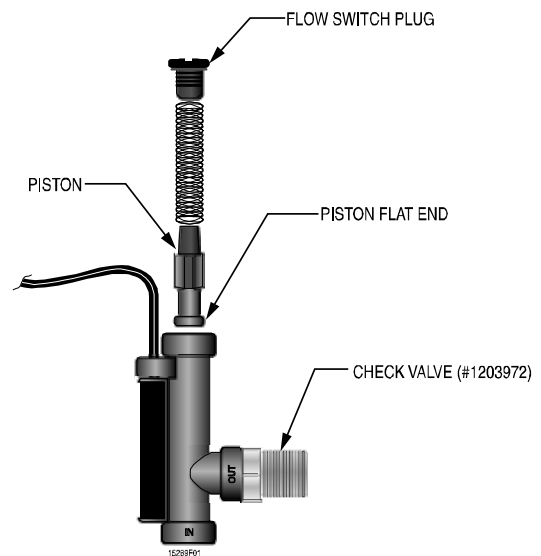


Figure 2. Replacing Flow Switch Piston

PUMPING INCOMPATIBLE CHEMICALS

Per the dispenser manual, incompatible chemicals must not both be pumped into the manifold. If you are pumping both alkali and peroxide or chlorine bleach and sour into the manifold, you need to separate one of them out to be injected downstream from the flush manifold by using a sour flush kit #069505. See Figure 3.

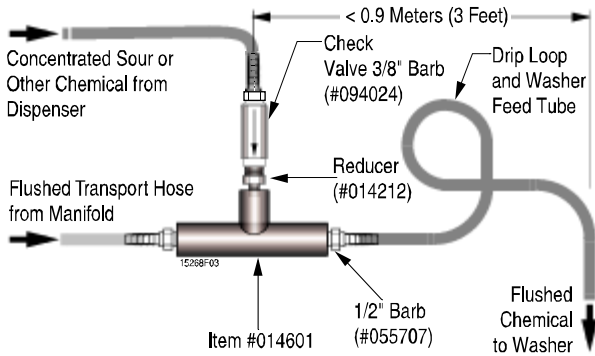


Figure 3. Pumping Incompatible Chemicals



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