

Installation Instruction

Summit OPL 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 powerup; if it's V1.00 or V1.01, you need to replace it with a new programmer (code #068742) shipped after April 1st, 2004; these are firmware version 1.02. To change out programmers, use a cloning adapter #069458 to clone the old programmer's setup information to the new programmer. Leave the new V1.02 programmer attached to the pumpbox, and return the old programmer to Beta so it can be refurbished.

The new firmware contains the following changes:

- In the event of a stuck flow switch, the Summit will issue a No Flow error even if the flow switch sticks in the "flow on" position. The dispenser will not pump chemical into the manifold; it will just display the No Flow error.
- To remove a flush from a dispenser, the flush time must be manually changed to 0 in the flush screen, and then the power turned off/on.
- Default flush time increased from 1 to 10 seconds.

MANIFOLD UPGRADE

There are three parts to the manifold upgrade:

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

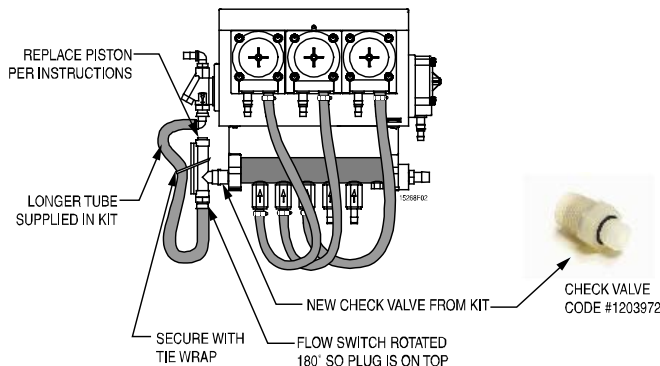


Figure 1. Replacing Check Valve

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.
7. 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.



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

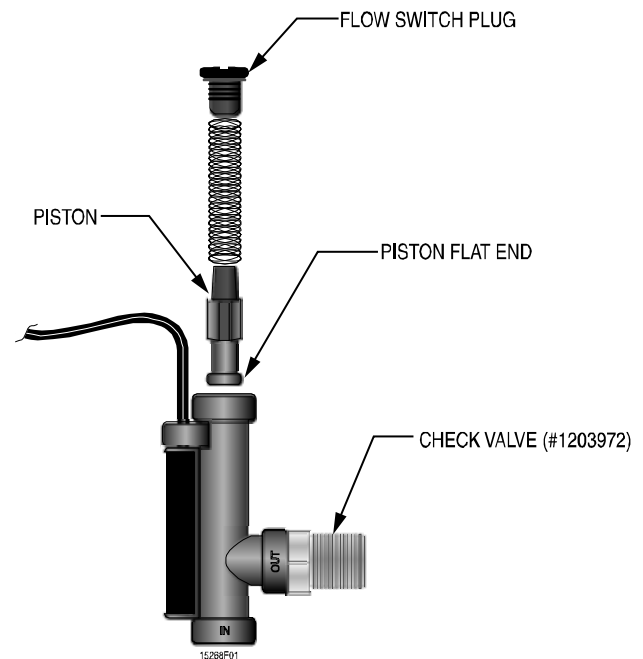


Figure 2. Replacing Flow Switch Piston

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.

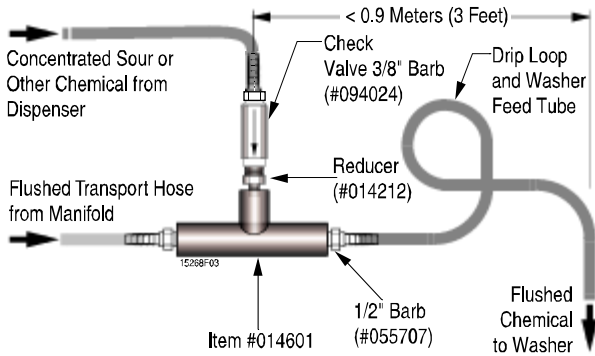


Figure 3. Pumping Incompatible Chemicals



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