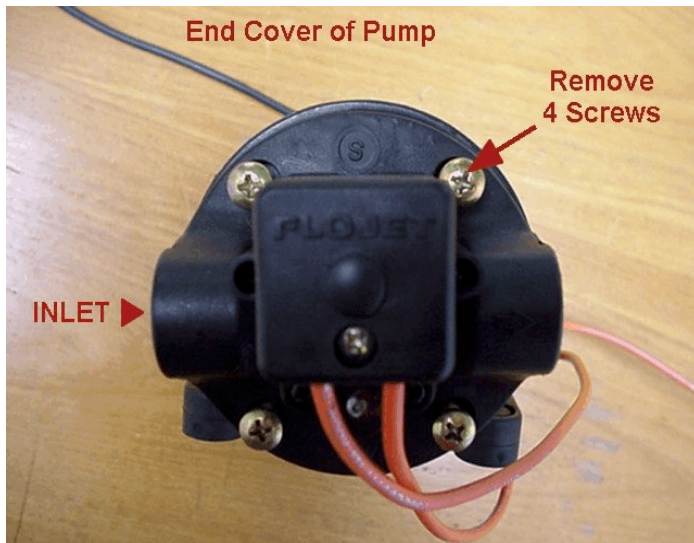


# EASY FIXES FOR MCX COOLANT PUMP

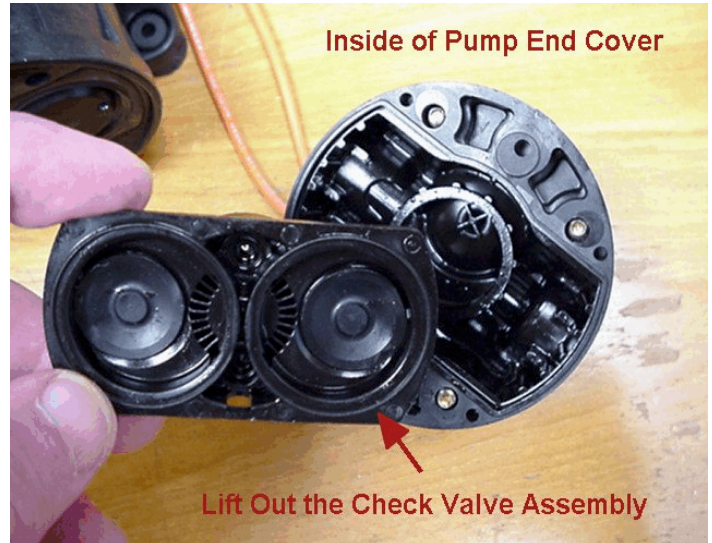
## Debris in Check Valve Assembly

The fill pump (manufactured by FloJet) could stop pumping fluid if a piece of debris enters the pump through the inlet port. There should be a suction felt at the inlet port when the pump is running.

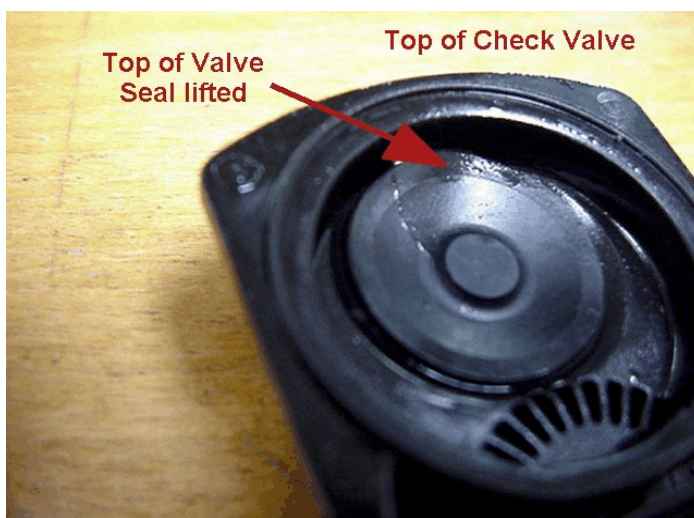
The process to determine if debris is the problem is simple and can be performed in a few minutes with only a Phillips screw driver. Refer to the following photos.



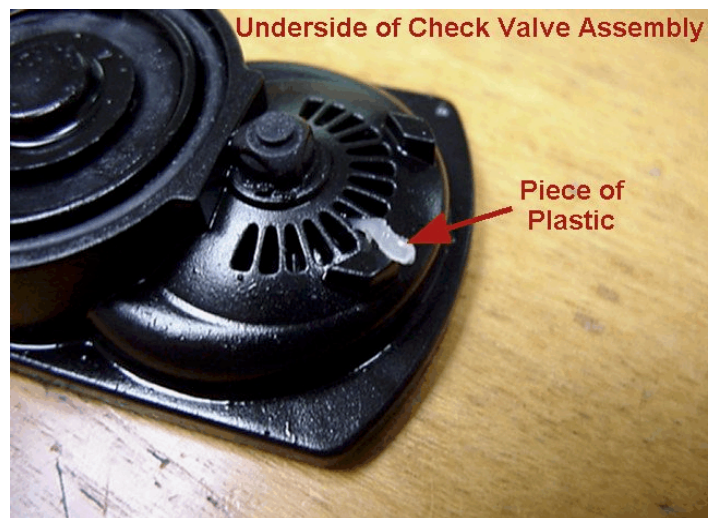
Remove four Phillips Screws and remove end cover from pump body.



Lift check valve assembly out of the end cover of the pump. Do not lose O-ring on the underside.



This shows the top of one of the check valves - notice the rubber flap is lifted. This prevents the check valve from sealing during normal pumping operation.

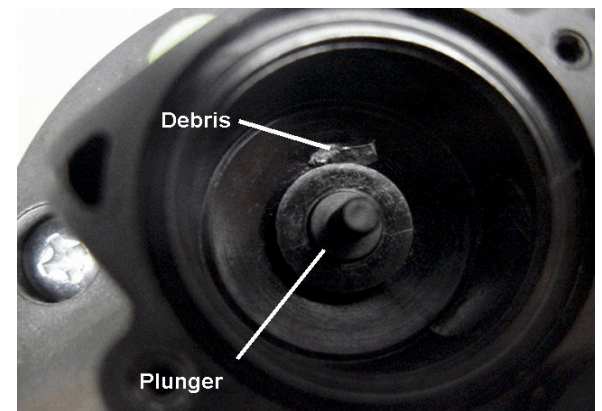
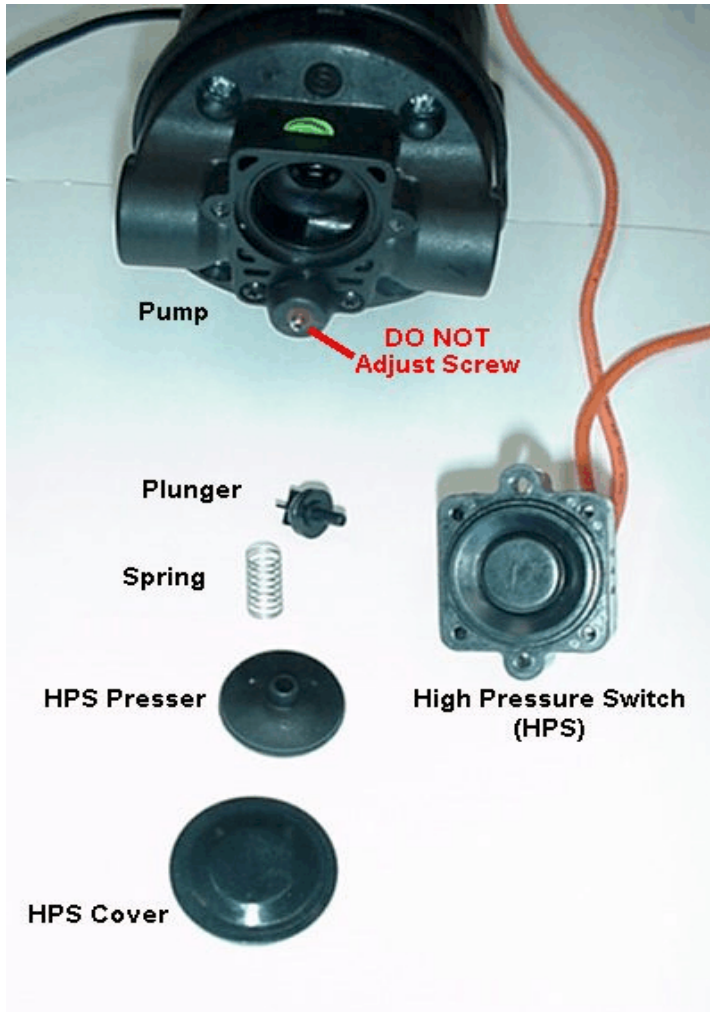


A small plastic shaving can be seen in this photo of the underside of the check valve. Remove it carefully.

## Debris in High Pressure Switch Assembly

The pump may not run if the High Pressure Switch is activated. If high pressure is not present in the outlet (Red) hose and the pump has voltage at the two connection wires, there may be a piece of debris blocking the high pressure switch activation assembly.

Remove the two small screws and remove the cover over the two orange wires as shown to the right. **Briefly** jumper the two orange wires and see if the pump starts running. If it does, the pressure switch mechanism may be blocked by a small piece of debris. Continue below.



Remove high pressure switch and activation components as shown above. Be careful and observe how they are oriented.

The piece of debris will typically be under the Plunger. The photos to the right show the debris under the plunger and the same piece of debris after removal of the plunger.



**DO NOT CHANGE EITHER ADJUST SCREW**