

# Equipment Technical Bulletin

## Pump Tube Pushes out of Spare 100 Series Cartridge



### PROBLEM

On 100 Series pumps, the pump tube pushes the cartridge back open when the cartridge isn't fully attached to the pump. This happens because the pump head has a slight taper, so the tube pushes out against the backplate.

### EQUIPMENT AFFECTED

NS1000E  
Sierra  
DR2000  
Tahoe  
SingleShot

### SOLUTION

When replacing a tube, ensure that the small, silver-colored screw in the back of the pump head is tightly in place.

Even if the tube is sticking out of the backplate slightly, pushing the pump cartridge onto the pump will force the tube back into the pump cartridge, and the securing of the pins will keep it there.



*When placing the cartridge on the pump, be sure the black SnapHead pin arrows are straight up or straight down; this means they are fully engaged. This will ensure that the turning of the pump and any machine vibration can't cause them to disengage.*

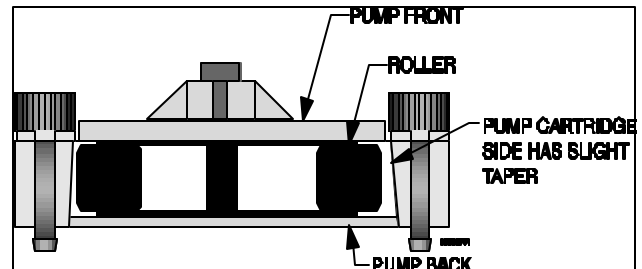


Figure 1. 100 Series SnapHead Pump, Side View



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