



Lubecore Communication

Subject: Changing out the EP-2 Pneumatic Pump Flapper Valve

LCI has had a few instances of the 'Flapper Valve' not working properly. On occasion the pump, when operated, will build and hold pressure for a short while, or will not build pressure at all. Some would work during testing several times perfectly, and then suddenly lose pressure. This is hard to diagnose, as most of these are used for progressive systems, where mainline pressure drop is expected.

To test the pump properly, it needs to be determined that the pump moves 15cc's grease (depending on output adapter used) consistently when mainline disconnected, and the pump cycled. Once that occurs a pressure gauge should be installed and at least 20 good cycles performed. Allow enough time – 1 min. – for mainline pressure to be maintained.

For systems installed already, the first clue is that the unit looks starved of grease. A way of checking this is to watch the follower plate – sometimes you can see it move up again after a cycle has been initiated. The best way to know is to use a pressure gauge in the mainline outlet port.

The flappers themselves are virtually identical – the ones to be replaced are slightly smaller dimensionally and look a little rougher around the laser cut edges. The replacement flappers are slightly larger and have a better finish. As always, the finished side seats against inlet.

Original

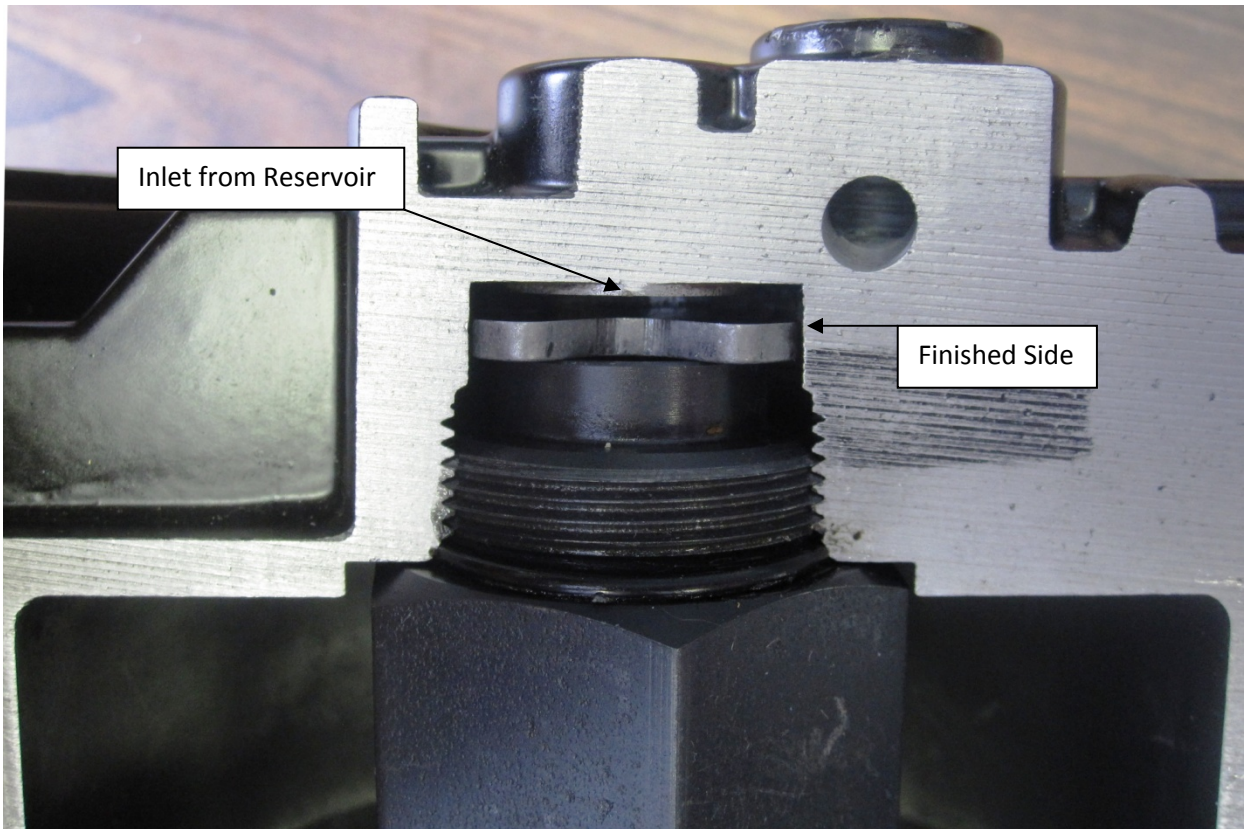




Improved



Cutaway of pump showing flapper valve in place



If you let us know how many pumps you have on the shelf, and we'll send replacement flapper valves to you.

All new pumps, starting with SN C13xx will have the improved flapper installed.

Regards,

Bert van Baalen