

CP-3 NEW STYLE END CAP REPLACEMENT

Two styles of Clark Pump end caps have been used. The old style cap pushes in from the square end of the cylinder, which is the same diameter from end to end, and the J -tube compression fitting is “down in a hole.” The new style is installed from the round end and kept in place by a black anodized aluminum retaining ring on the end of the cylinder. Determine which style you have before ordering parts.

The End Cap Replacement Kit is part number KIT -HP-ECK and includes two new style end caps, two J -tubes, and the fittings and O -rings.

To change the NEW STYLE Clark Pump end caps (p/n HP-CYL-EC), first remove the stainless steel J-tubes. There is no need to remove the cylinders from the center block. Using a fire hose wrench, if available, or a mallet and hardwood stick, unscrew the cylinder end cap retainer (end ring). It will unscrew by hand once loosened. Using the J-tube for a handle, pull the end cap out of the cylinder. Water will spill. Put a new O-ring on the new end cap and lubricate the O-ring with water or silicon watermaker grease. Insert the new cap into the cylinder with the hole at 12 o'clock. Screw on and tighten the retaining ring keeping the hole at 12 o'clock. Put a white o-ring on a compression fitting (p/n PL-MTS-3/8X1/2B) and screw it into the end cap. Do not over tighten, snug is good enough.

If no corrosion is noted, the compression fitting on the cylinder base (p/n PL-MTS-3/8X1/2B) can be used over. If it is pitted or corroded, remove it. Put 5 wraps of Teflon tape on the threads of a new fitting and screw it into the cylinder base fairly tightly.

Install the new J-tubes (p/n HP-CYL-SST) (you can't use the old ones over again). Make sure that the tubes are the correct length; they must reach down near the bottom of the socket in both compression fittings. Occasionally, you need to trim one end or the other to get it to enter both sockets. Tighten the compression nuts (p/n PL-HWR-1/2HN) to compress the ferrule (PL-HWR-1/2FR) using two wrenches.

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