

E103495 Piston Kit Installation Instructions

1. Have metric allen wrenches available. Use 5mm allen wrench to remove bolts on valve assembly; remove assembly.
2. Remove Motor Fan - use 5mm allen wrench (THIS IS A REVERSE thread!).
3. Unscrew and remove 4mm allen bolt/nut on bottom of piston by the bearing to loosen the connecting rod's hold on the bearing (you will not remove the bearing at all).
4. Use same 4mm allen wrench to unscrew the bolt from the center of the piston.
5. Slide old piston/cylinder out; put aside.
6. Use a large flat blade screwdriver to start to carefully pry the connecting rod assembly off the bearing. Just do a little at a time, it will come off without a gear puller.
7. Note the orientation of the connecting rod, it only goes on one way.
8. Pull the Piston/Connecting Rod down from the top of the new Cylinder (**NOTE!** Do NOT push the new Piston from the bottom of the Cylinder, the new Piston Ring will tear!).
9. Place new connecting rod on the bearing - slide it over the bearing as far as it will go. There is a stop built into the outside side of the rod.
10. Rotate motor to extend the rod as far forward as possible in it's eccentric travel.
11. Insert the 4mm nut and bolt at the bottom of the connecting rod (creates tension to hold it on at bearing end). It can go in either way nut up or nut down. Tighten this bolt.
12. Put the fan assembly back on. I used the #2 slot in fan (there are 2 slots #2 and #3). Tighten the reverse thread allen screw pretty hard. It can loosen itself in minutes with a medium torque setting.
13. Stack the thicker gasket against the piston/cylinder. The reed valve assembly, then the thinner green gasket.
14. Put the bolts back and secure the reed valve assembly.