



1. Tools Required

- Wrench and small flat-head screwdriver
- Pump-up repair kit
- Brown/red Viton shown, blue EPDM available



2. Separate Pump Assembly

- Pull to separate the shaft from the piston and lid.
- You will encounter resistance, this is normal and the shaft assembly will "snap" in and out of place.



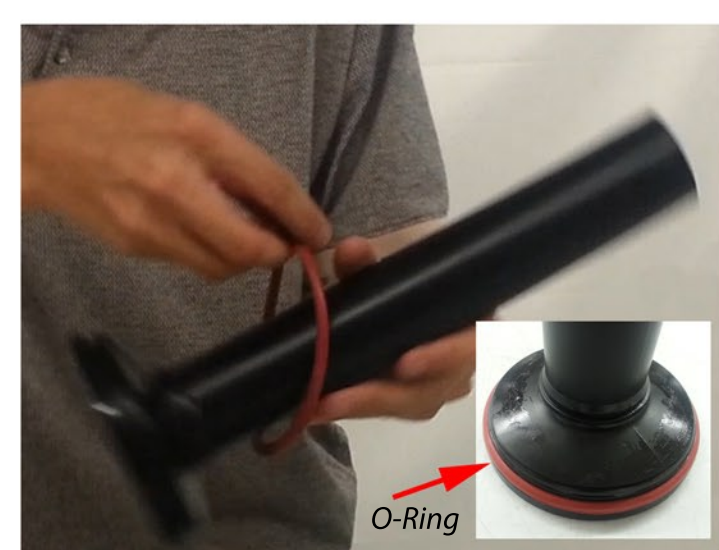
3. Umbrella Valve

- Gently slide the flat-head screwdriver under the edge of the valve. Do not scratch valve seat. Pull to remove.
- Simply snap the replacement into the hole, ensuring that the edges of the valve lay flat and form a good seal.



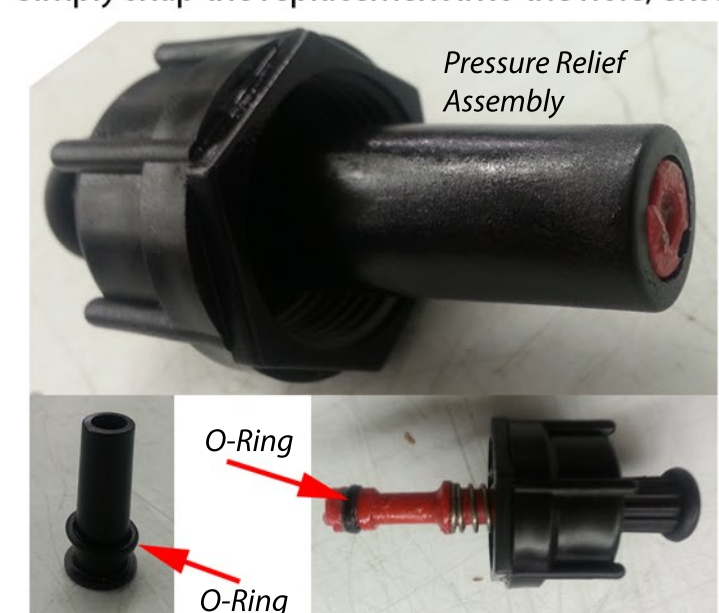
4. Piston O-Ring

- Gently slide the flat-head screwdriver under the o-ring and grab and pull to remove.
- Replace with the matching replacement o-ring
- Ensure ample lubrication with a non-water-soluble grease.
- TIP: Due to friction from pumping, ensure that this o-ring remains well-lubricated.*



5. Main Tank O-Ring

- Gently slide the flat-head screwdriver under the o-ring and grab and pull to remove.
- Replace with the matching replacement o-ring
- Ensure ample lubrication with a non-water-soluble grease.
- Reassemble the piston / shaft assembly by snapping the shaft back into the lid.



6. Air-Relief Valve O-Rings

- Using a wrench, loosen the pressure relief valve and remove it from the tank.
- Pull apart the two parts of the assembly.
- Gently slide the flat-head screwdriver under the o-rings and grab and pull to remove.
- Replace with matching replacement o-rings
- Ensure ample lubrication with a non-water-soluble grease.
- Reassemble the two parts and reattach the assembly to the tank. Use caution to avoid cross-threading and ensure a snug (but not too tight) fit using the wrench.



7. Hose Cap O-Ring

- Reach into the tank, grab the suction tube, and pull down gently to separate the tube from the cap.
- Using a wrench, loosen the discharge hose cap and remove it from the tank.
- This o-ring may be more difficult to access as it is seated deep in the well of the cap.
- Gently slide the flat-head screwdriver under the o-ring and grab and pull to remove.
- Replace with the matching replacement o-ring
- Ensure ample lubrication with a non-water-soluble grease.
- Reattach the cap to the tank. Use caution to avoid cross-threading and ensure a snug (but not too tight) fit using the wrench.

Pump-Up O-Ring Replacement Guide

Refer to Installation & Operation Instructions for detailed parts diagram, troubleshooting/maintenance tips, and best practices for optimal performance.

Note: EPDM repair kit includes extra, unused, o-rings.

Recommended Lubricant

- Molykote 111 or similar silicone compound. Ensure that the lubricant is suitable for the chemical and o-ring material.

#709048 Detail View

Handle/Piston
#709042

DETAIL VIEW A

Piston O-Ring
creates pressure
while pumping

DETAIL VIEW B

Piston O-Ring
#709042-ORING-V (Viton)
#709042-ORING-E (EPDM)

Cap O-Ring
(Nitrile)
#709047

Umbrella
Valve holds
pressure in
tank

Umbrella Valve
#709038-V (Viton)
#709038-E (EPDM)

Regularly Lubricate Seals And
Threads Under Cap With
Non-Water Soluble Grease

Not To Scale

