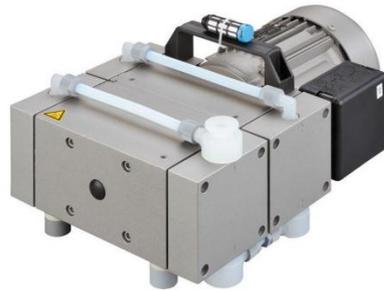


Instructions for Diaphragm Replacement

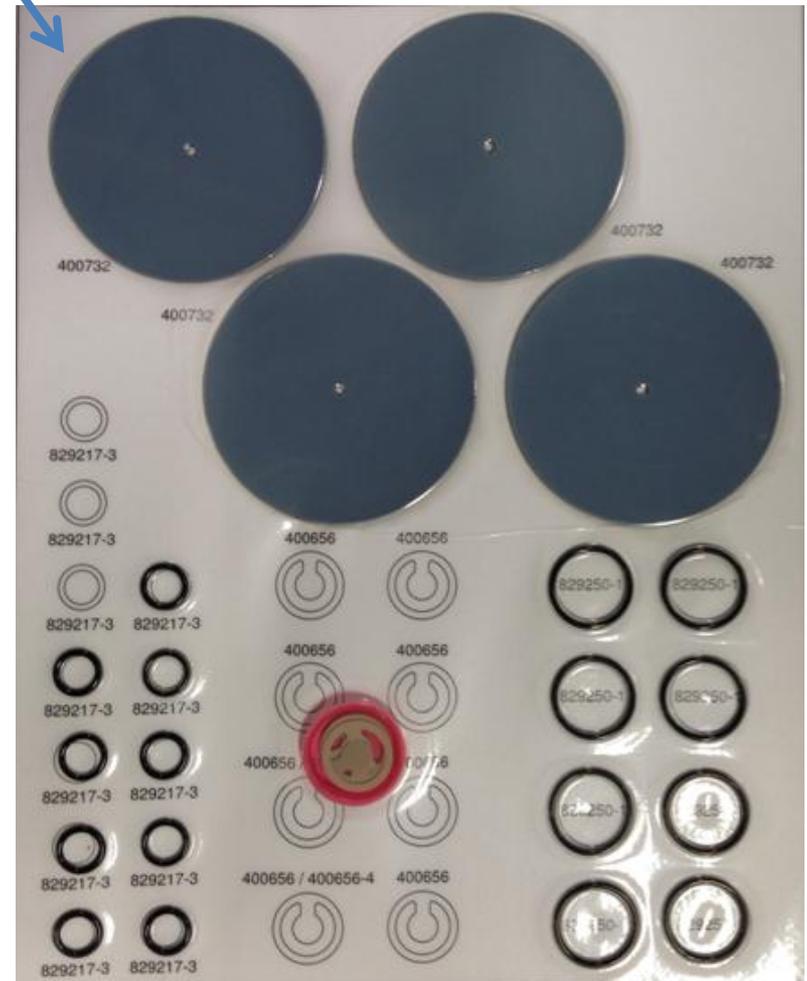
Cat. Nos. 2052B-01, 2054B-01



Model 2052/2054

Kit for cat. no. 2052B-01 and 2054B-01 (4 head pumps)

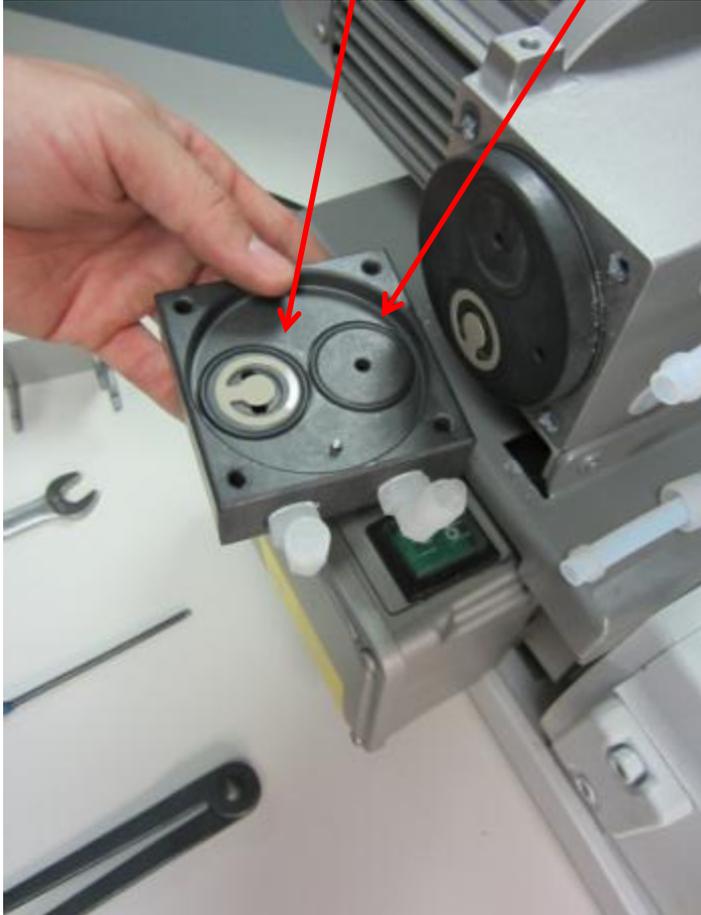
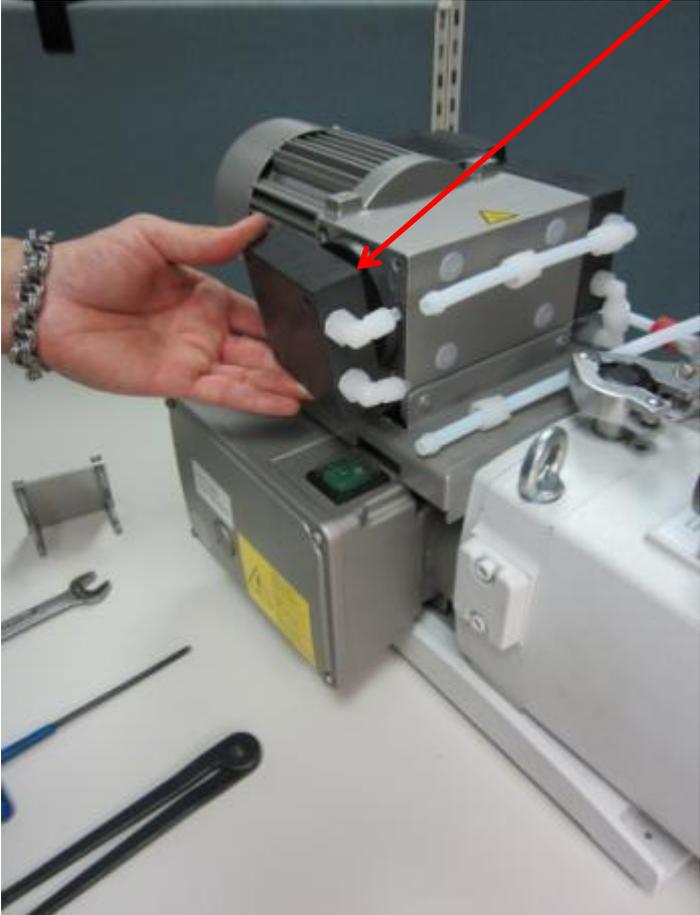
Kit part no. 402042-US



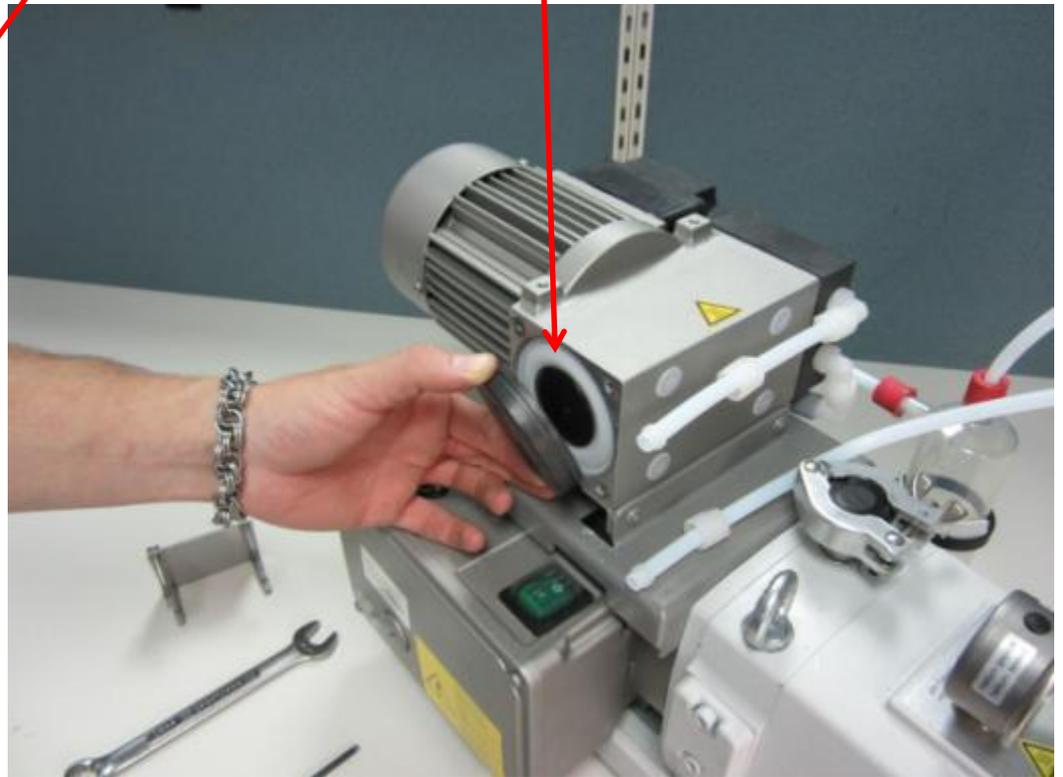
**1. Loosen four bolts using 4 mm Allen Wrench
(Although the photo shows a 2 head pump, the procedure for a 4 head
pump (Model 2052/2054) is the same.
Versions of tools shown are available in Tool Kit #402106-US**



2. Remove connection head and remove two valves and two o-rings



3. Remove pump head to expose diaphragm

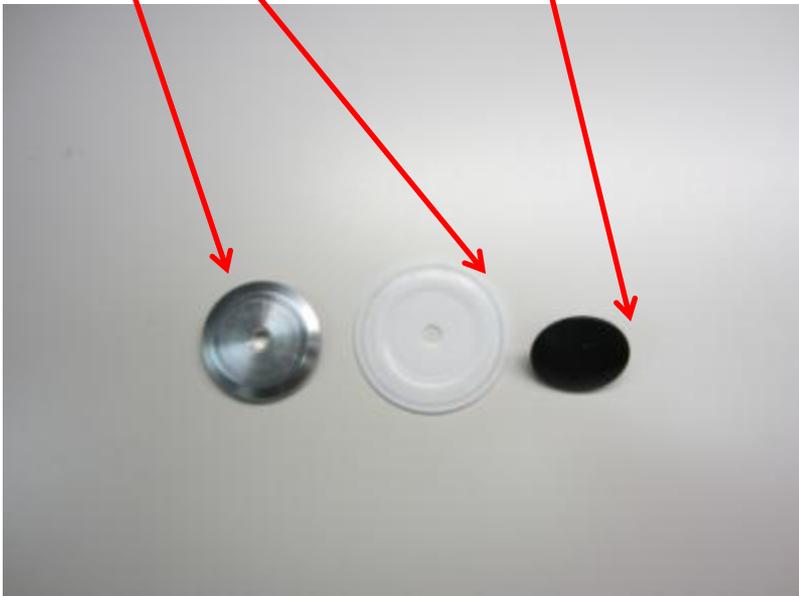


4. Using spanner tool to loosen PTFE coated diaphragm holding plate (“tightening washer”) and do final loosening by hand to remove diaphragm and tightening washer

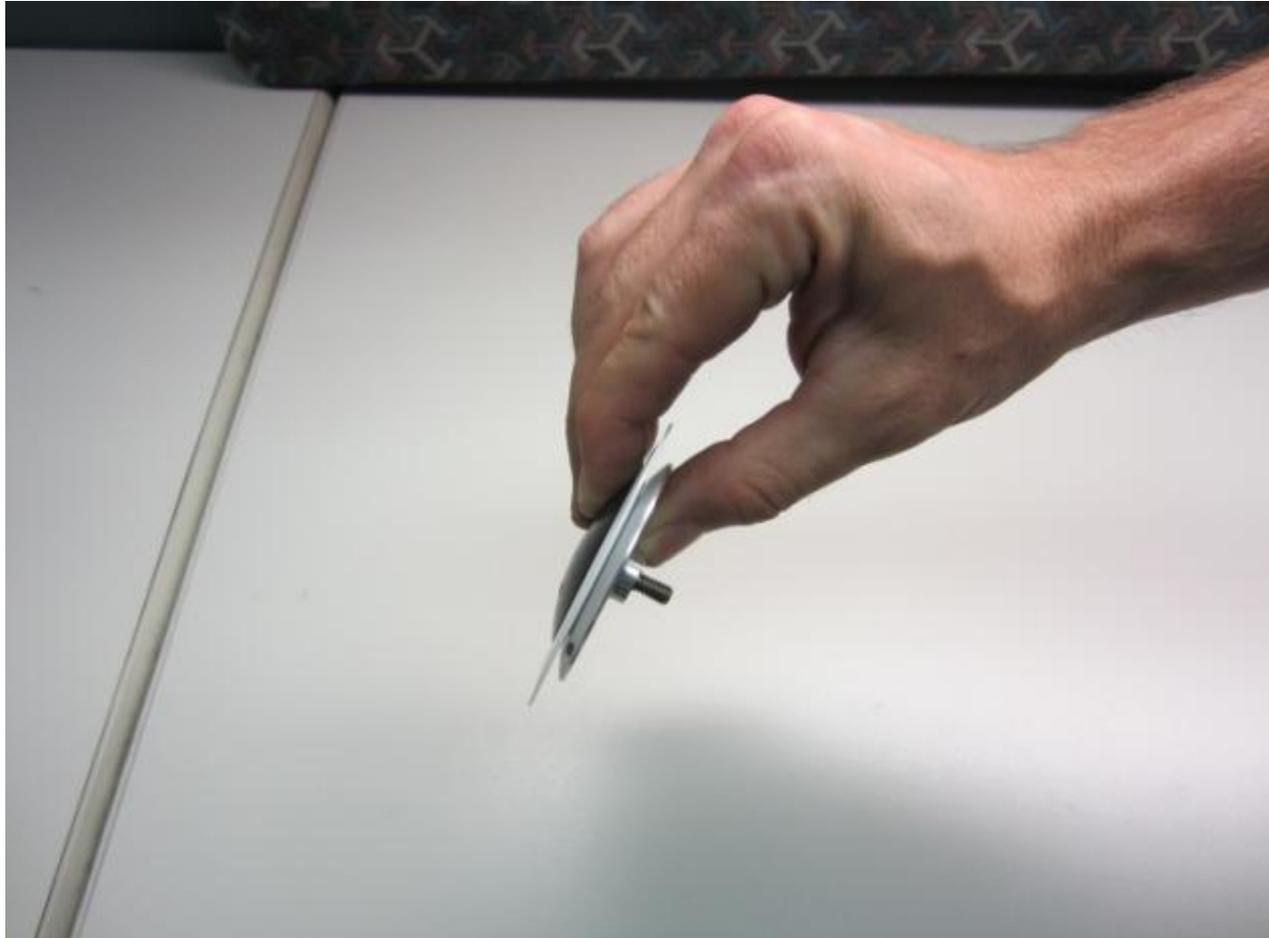


5. Upon removal of:

- diaphragm support plate (pressure washer),
- diaphragm (white color here, yours may be gray), and
- diaphragm holding plate (tightening washer) the connecting rod becomes visible



6. Assembly together diaphragm support plate (pressure washer), new diaphragm and tightening washer (diaphragm holding plate)



7. Apply Loctite 242 To thread

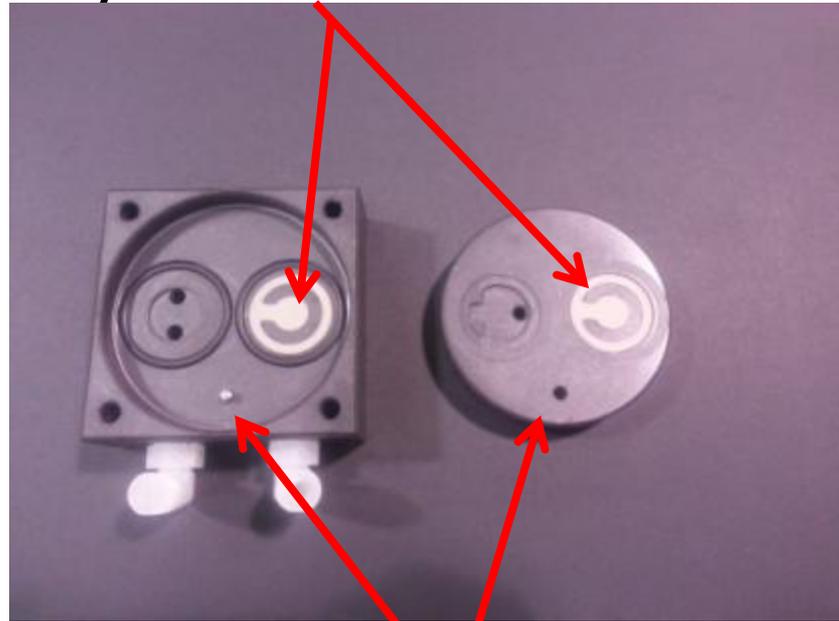


8. Use spanner to install diaphragm assembly by turning the tightening washer. Make snug.

Alert! - Allow 3 Hrs for loctite 242 to set before turning on pump.

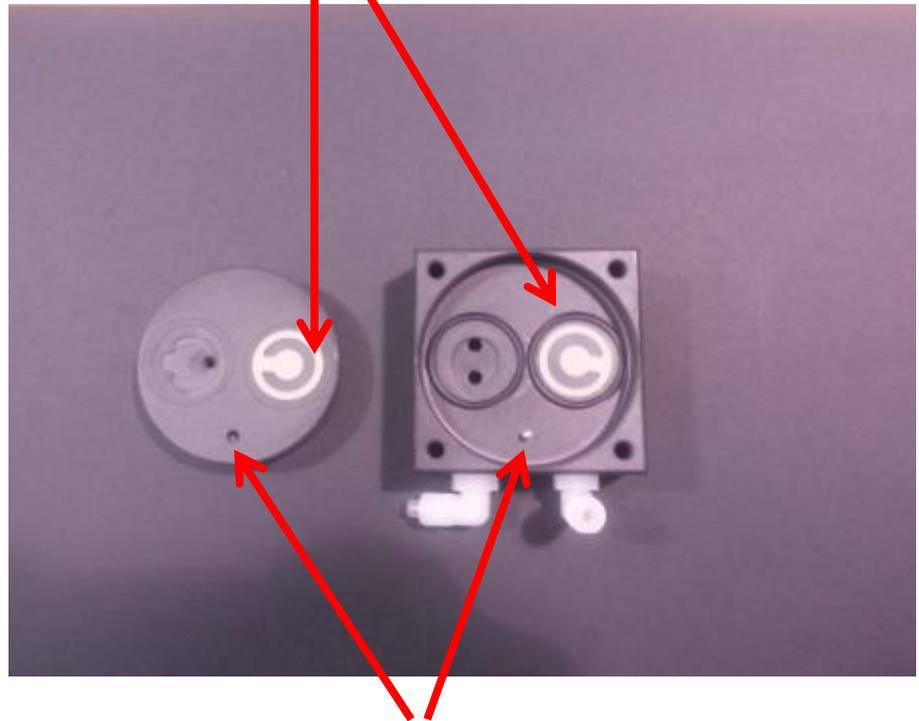
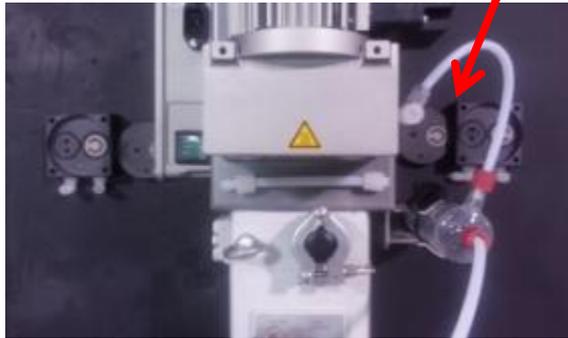


9. Intake Stage. Place PEEK valves on plates as indicated with “shiny” side of valves facing down, central dot on valve oriented so you are covering center-hole on valve plate with shiny side. Alert – important to have “shiny” side **DOWN** to reach vacuum level.



Align pin and hole when assembling

10. Repeat rebuild steps with the other 3 heads of a 4-head pump. Place PEEK valves on plates as indicated with “shiny” side of valve facing covering the center-hole side of each half of the valve block.
Alert – important to have “shiny” side DOWN to reach vacuum level.



Align hole & pin when assembling

11. Pick-up valve plate and head and place over diaphragm



12. Insert teflon tubing into fitting on head and hand tighten plastic compression nut. Thread 4 bolts to secure heads. Snug tight the 4 bolts. Snug tight the plastic compression nut with 14 mm wrench.

