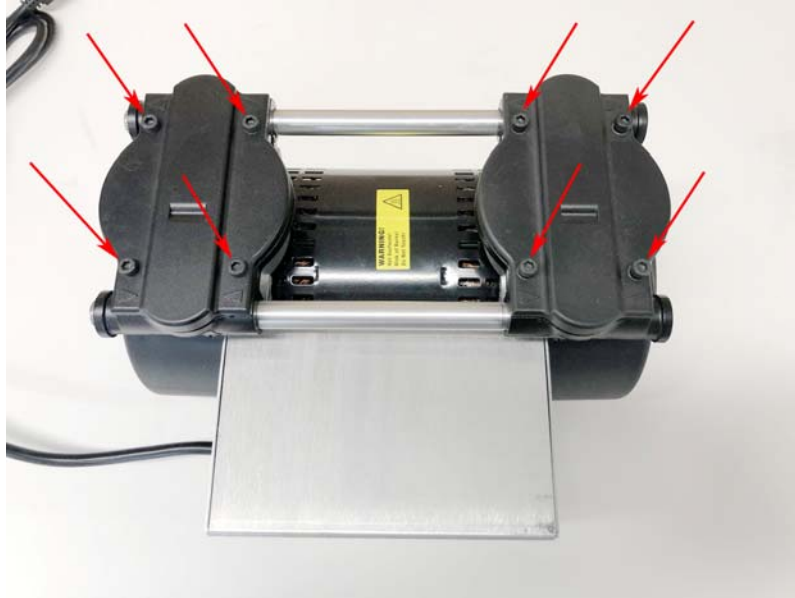


## **Repairing the Reed Valves in your 42000 Pump**

1. Unscrew the muffler and the vacuum manifold from the pump.
2. Then use a 4mm allen wrench to remove the 8 bolts, highlighted below:



3. Remove the bolts and the plate being careful not to misplace the orange gasket underneath. Note the position of the Top Reed Valves as seen in the picture below:



4. Remove the orange gaskets and put aside.

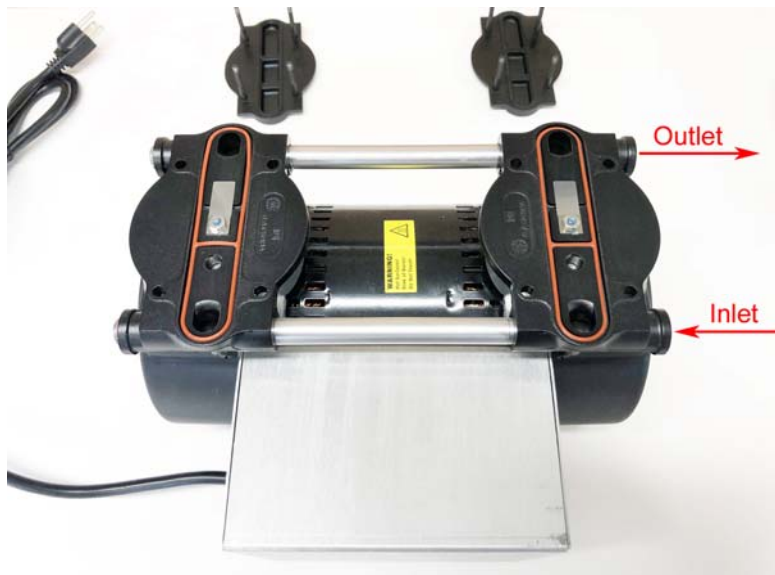
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5. Flip over the Upper Assembly so you can see the underside being careful not to lose the orange o-rings, shown below:



6. Use a flathead screwdriver and a wrench to loosen the screw holding the existing reed valves and replace with new ones.

7. After installing the new reed valves and placing the Upper Assembly back on the pump, make sure the inlet and outlet of the pump are on the right hand side. Use the picture below as a reference:



8. Reinstall plates and screw in the 8 bolts, being careful not to over tighten.

Thank you for your purchase from Parts Dept, if you have any questions regarding assembly or operating your pump please reach out to our technical department at 800-245-8222 or by emailing us at [sales@partsdeptonline.com](mailto:sales@partsdeptonline.com).