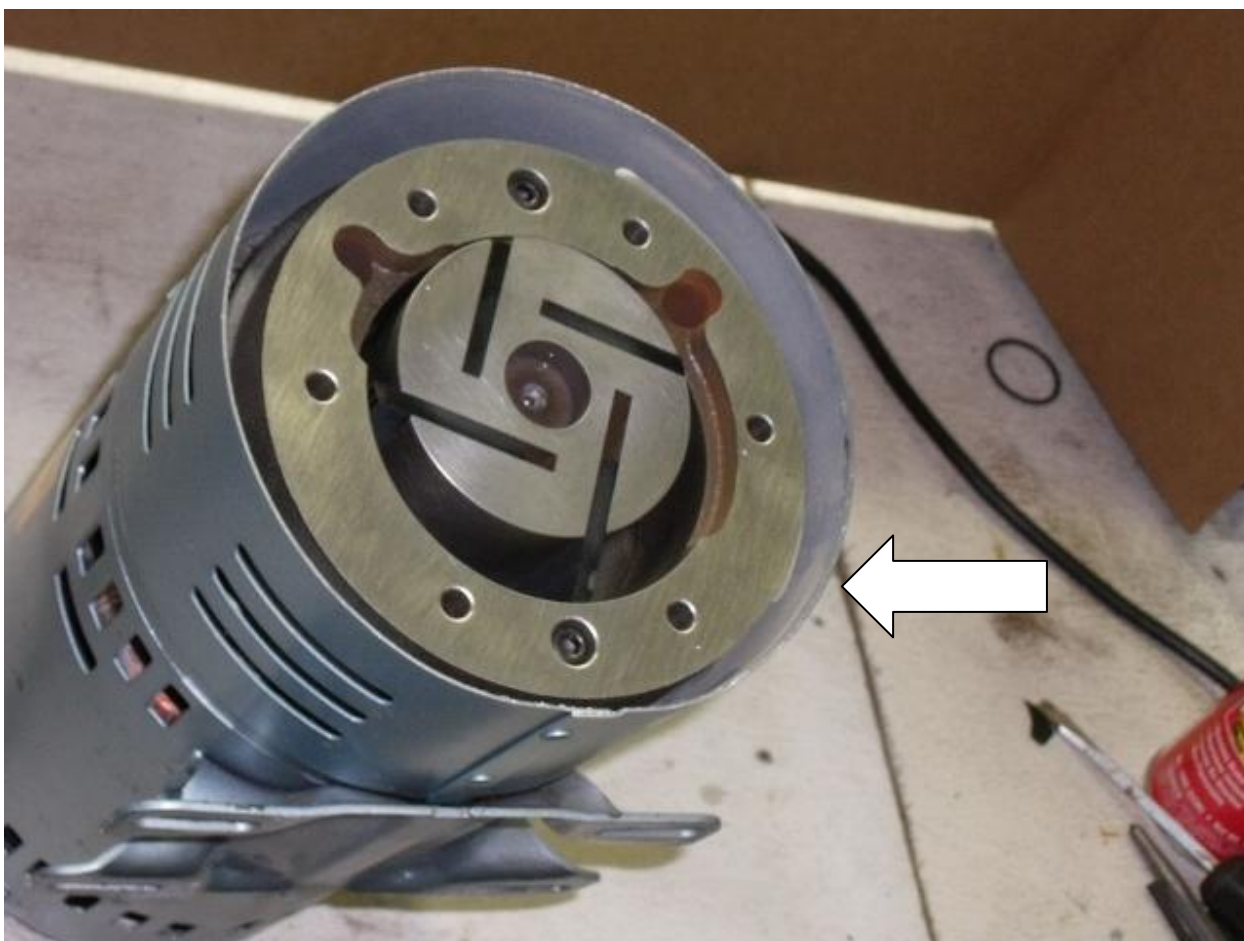


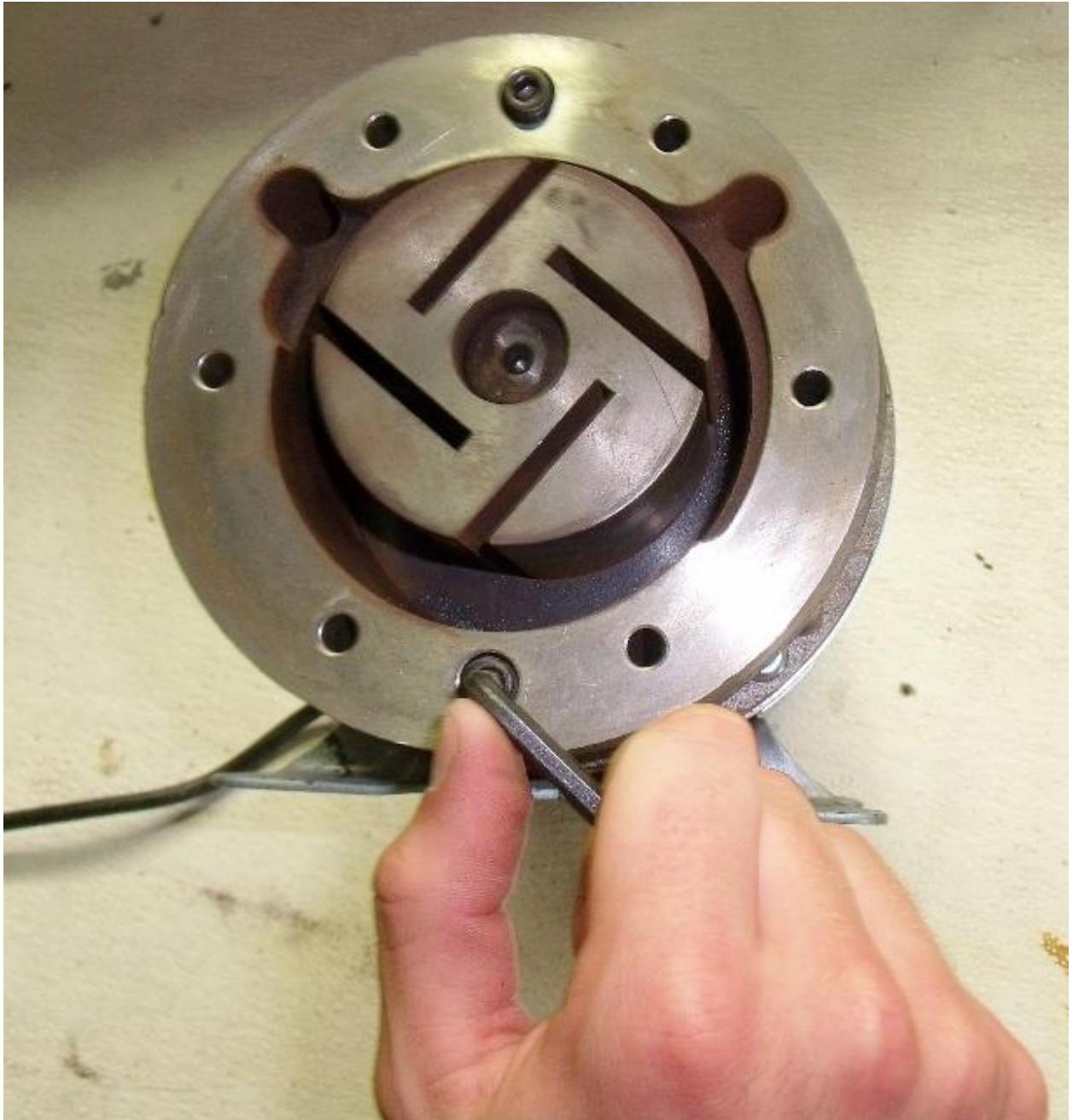
Procedures to clean and remove rust from Gast Mini Pumps



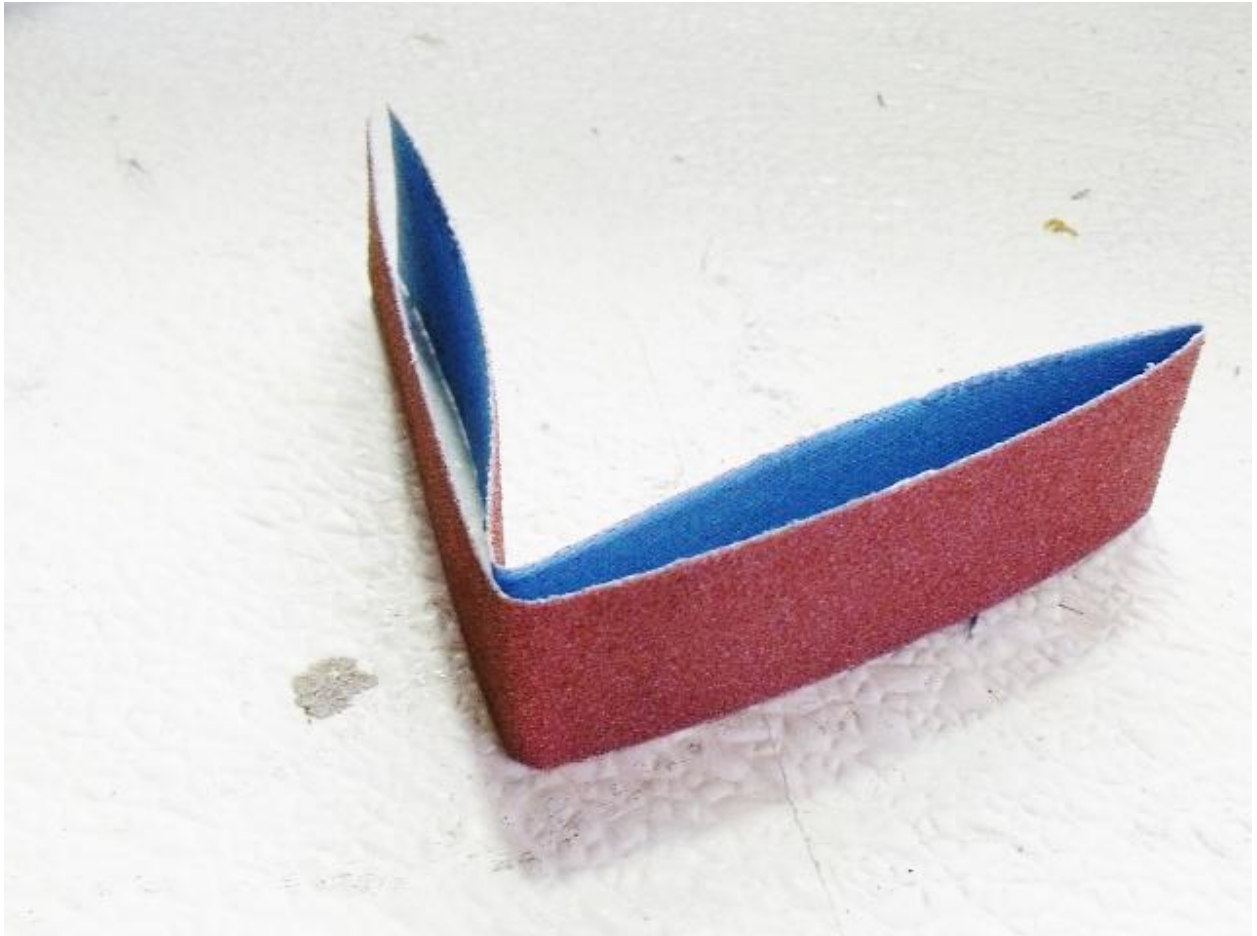
- 1. Above an example of broken vanes due to rust vanes stick in slots then break.**



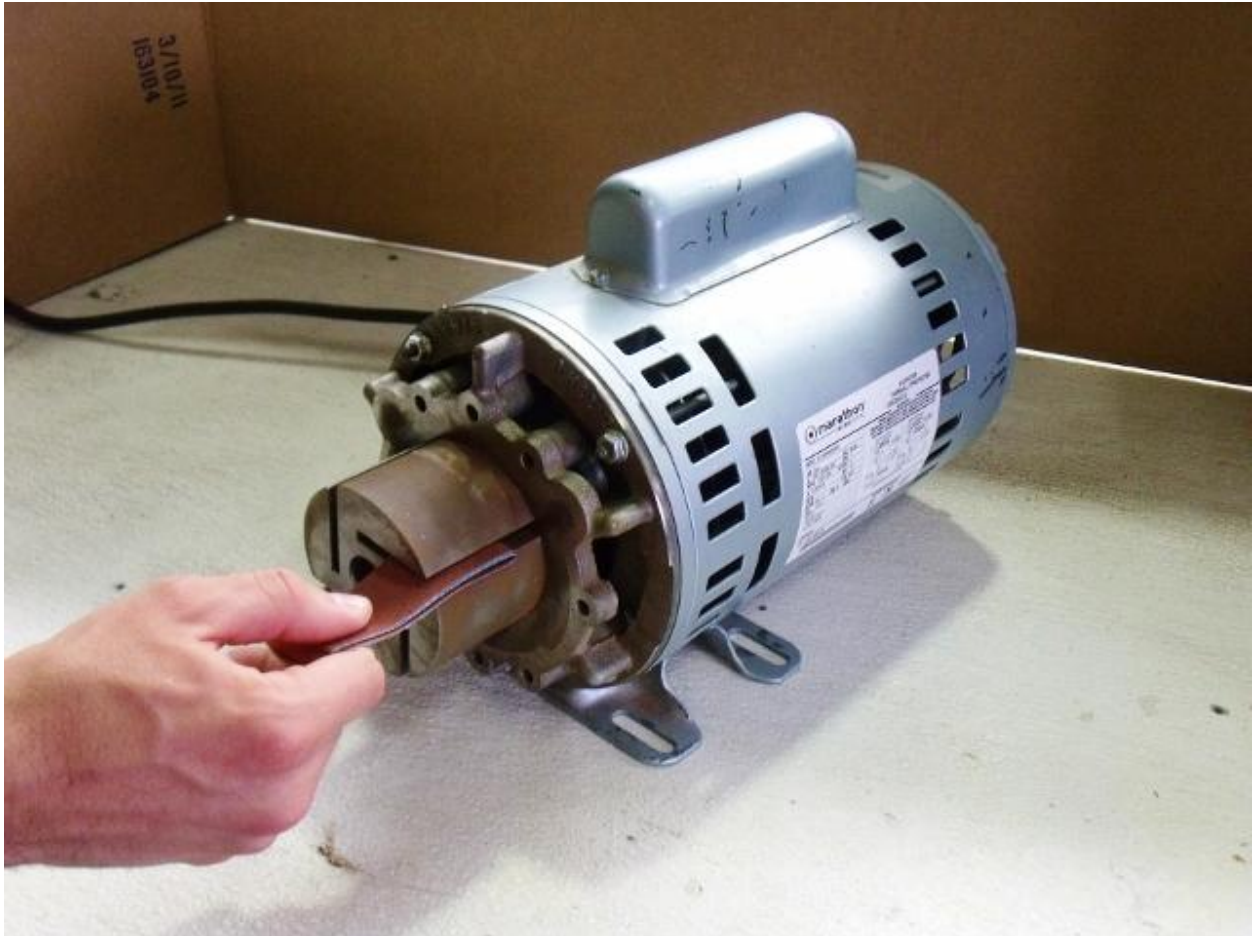
2. Remove outer vent housing.



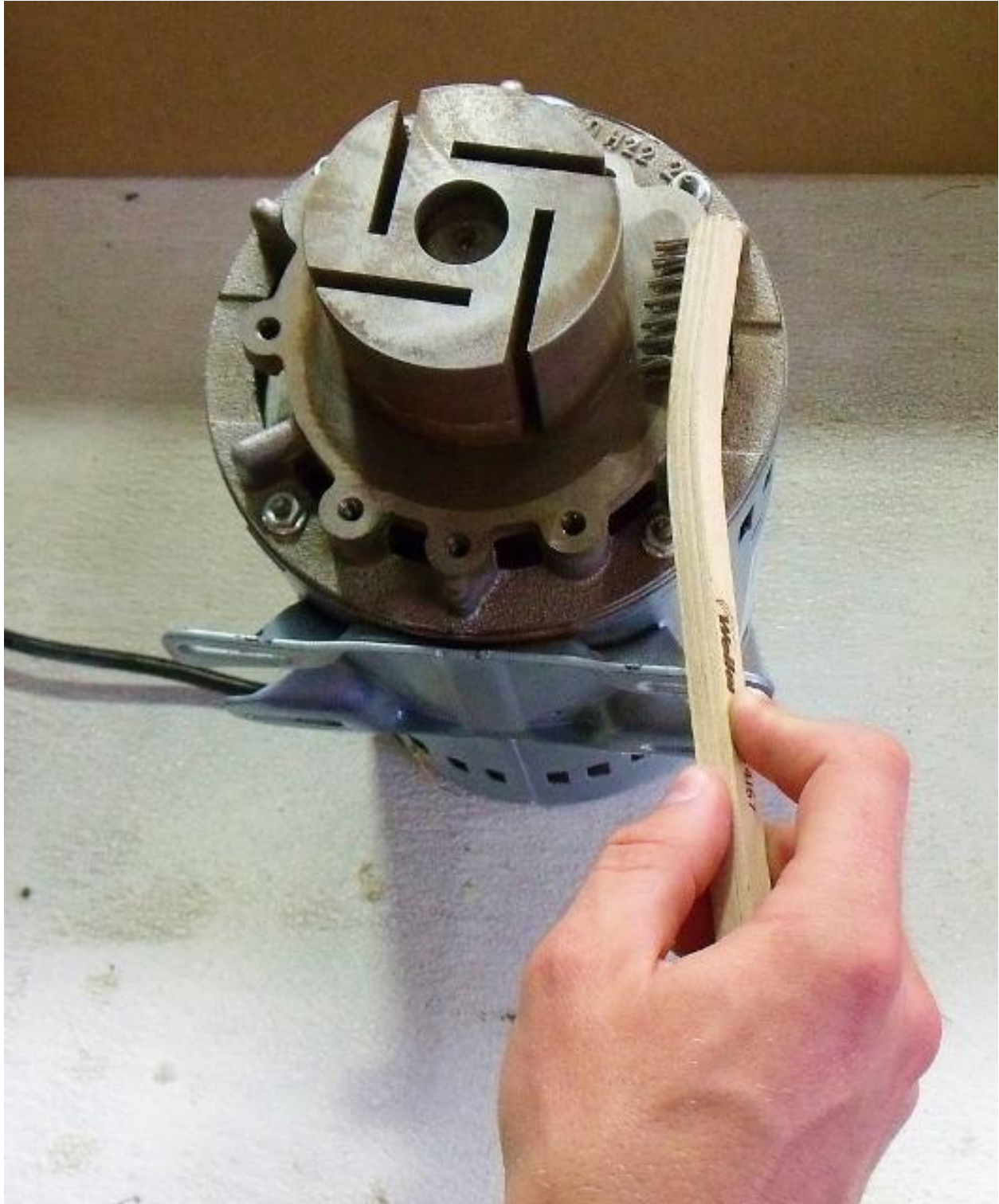
3. Remove Rotor housing with allen wrench.



4. Get some fine abrasive that you may need to fold to fit vane slots.



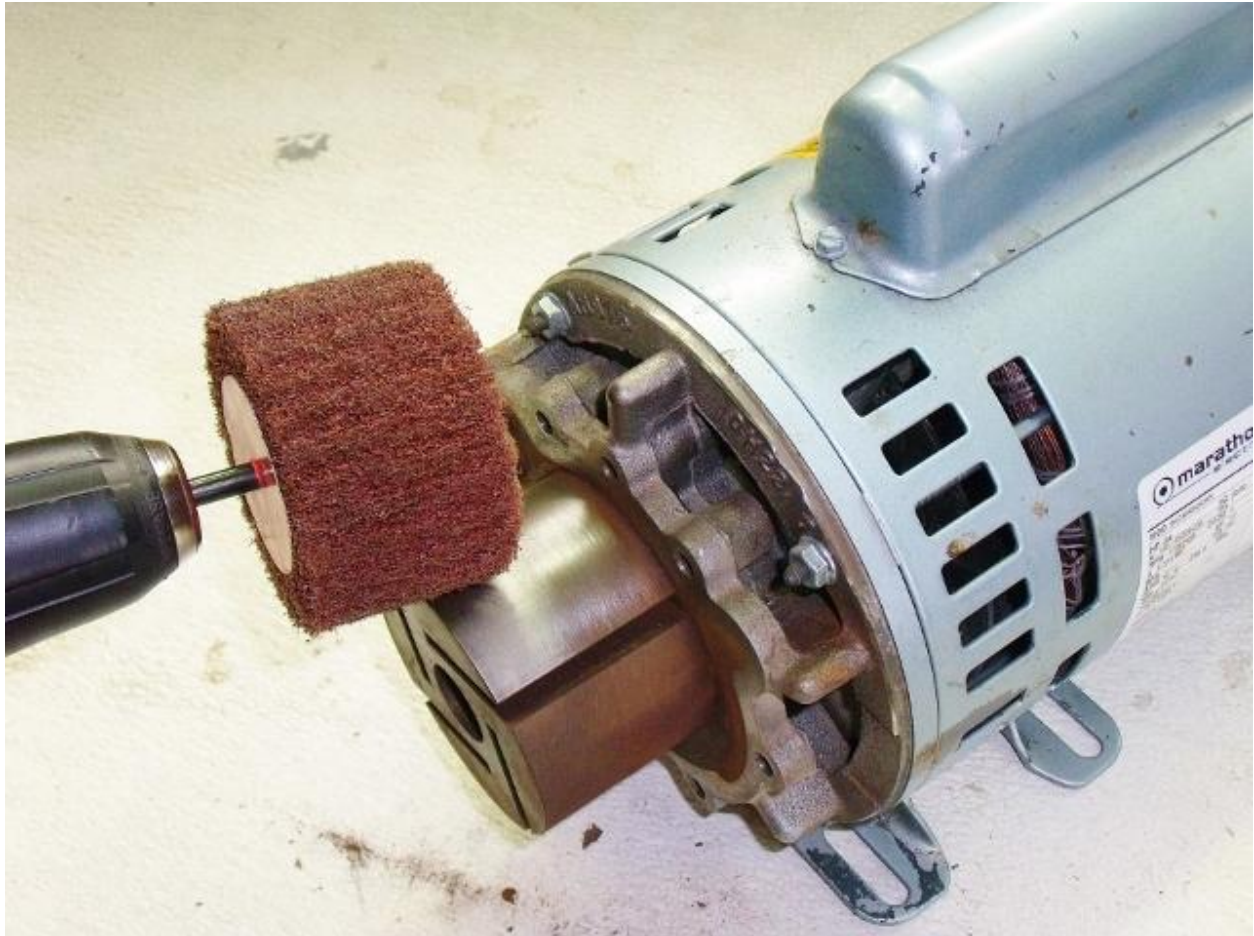
5. Work the vane slots until the new vanes slide freely in & out.



6. Get a small steel brush to work the hard to reach spots.



7. You can also can use soft light abrasive wheel for a drill if want.



8. Remove all the rust.



9. Remove all the rust from End Plate also.



10. An Emery Cloth or fine polishing pad will work too.



11. Pick up some Brake Pad Cleaner at local auto store.



12. Use the BP Cleaner to clean up your work and steel parts.



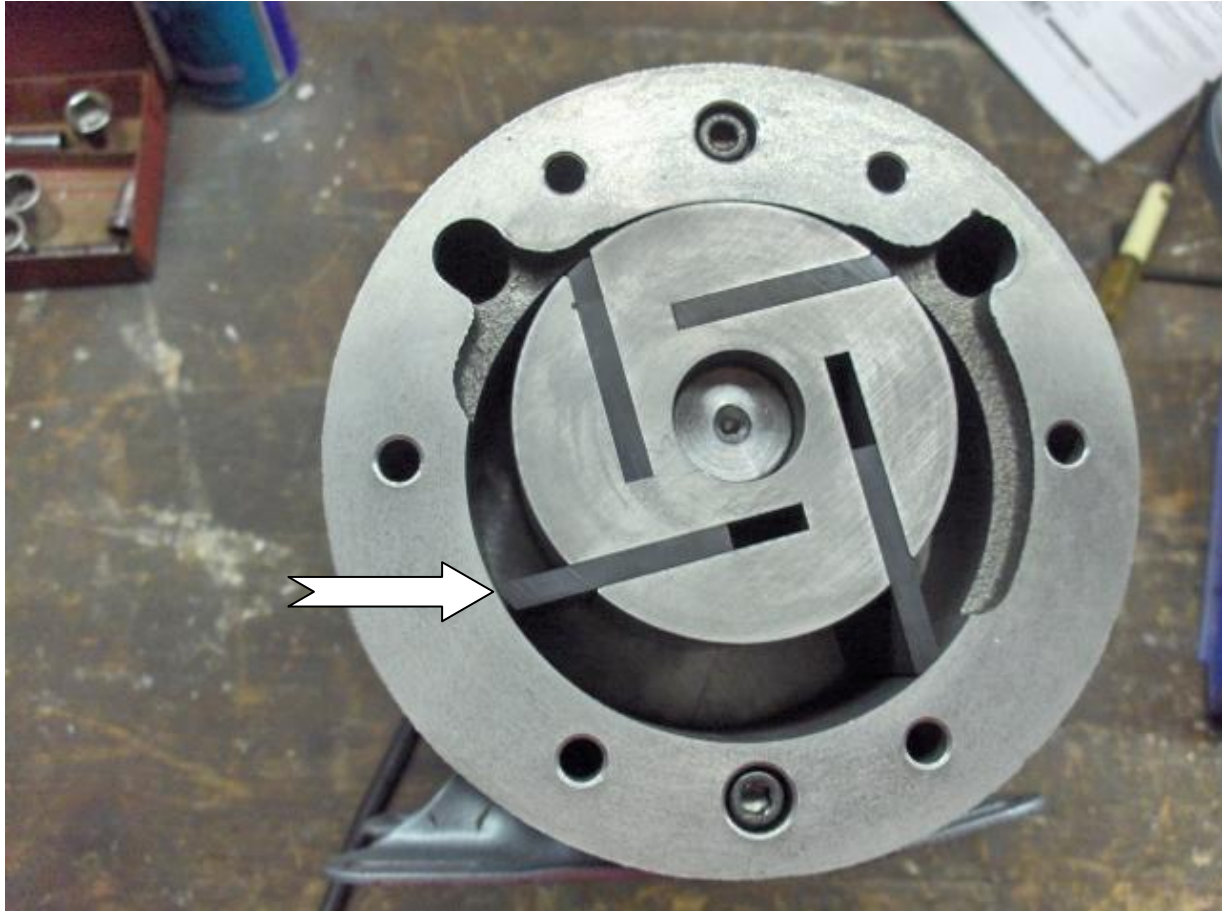
13. With wire brush make sure to remove any loose rust on the outer side End Plate.



14. Spray BP Cleaner behind Rotor and other end plate to remove rust. You can do this while it's running but wear eye protection.



15. When you put the Rotor Housing back on make sure it is all the way up with at least .003 gap at top between the housing and rotor.



16. Pump Head Chamber should be clean of rust and with the Rotor Housing back on slide new Vanes in with taper tips facing as shown.

Important the vanes should slide in and out freely in the slots!!



17. With End Plate back on hold a clean rag on exit hole left side (Exhaust) & spray BP Cleaner on Intake hole right side while running till clean on the rag. Make sure to wear eye protection.

Put the gasket, outer chamber and filter plugs back onto the pump head. You should be ready for use.

The extra Brake Pad Cleaner can be use periodically to clean the pump. You can do so by removing the two black filter plus and spray in the same manner as above. We recommend if storing pump for long periods to do this procedure. This will make sure it will not any moisture for rust and insure it will be ready the next time you go to use it.