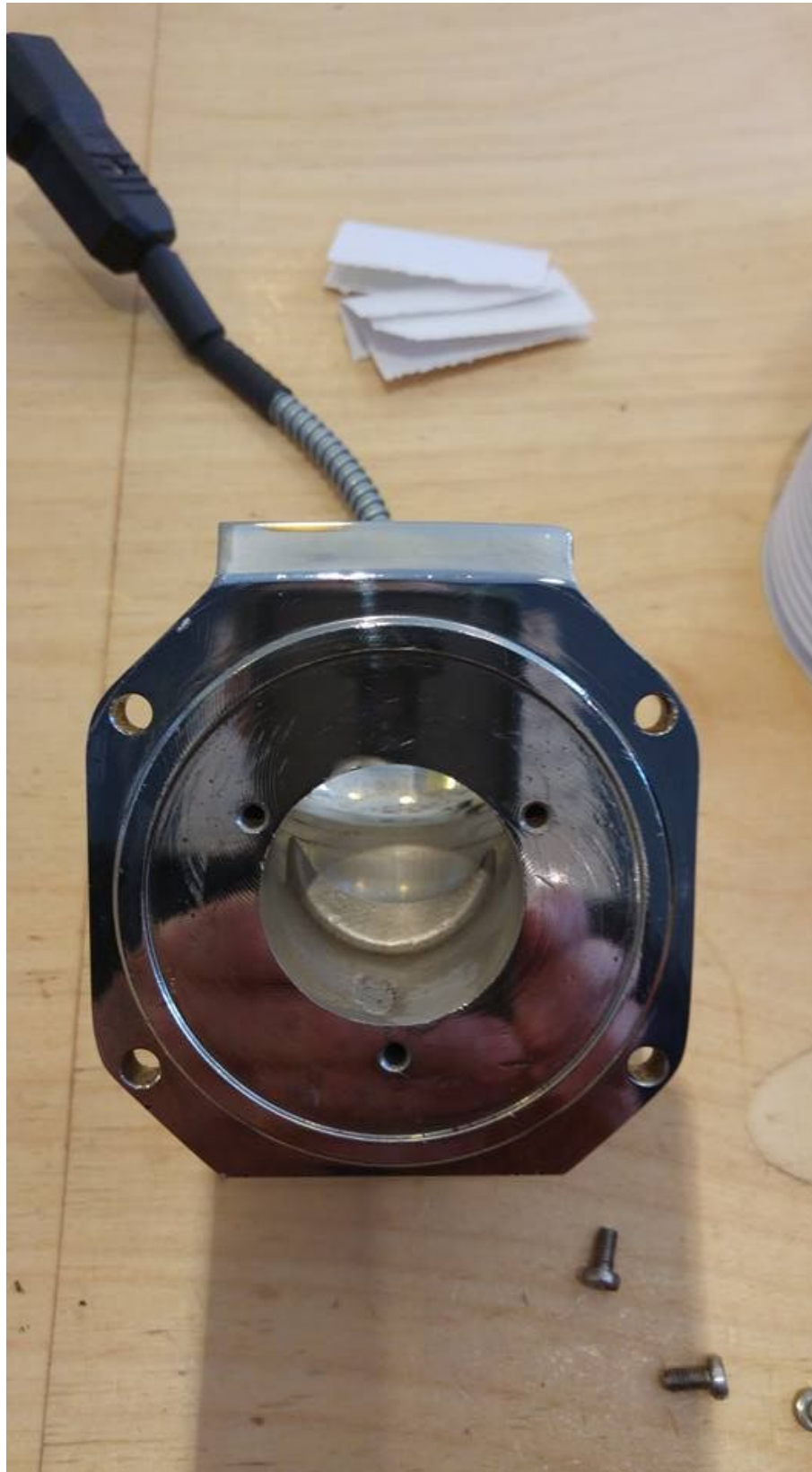


Mythos Burr Alignment - A How To Guide

By Mat North - UK, 8 may 2016

1. Let's start with Radial alignment, making sure the burrs are centred on the axis of rotation. We can't be sure about this as so much is dependent on the manufacture of the grinder. but let's work with what we have to make is as aligned as is possible. Start with a clean burr carrier. I'm going to go ahead and assume you've already cleaned your burrs.



2. Use a permanent marker and mark both the burr and the carrier. this is gonna help you ensure the burrs go in correctly each time,



3. Install the burr, leave the screws a little loose.



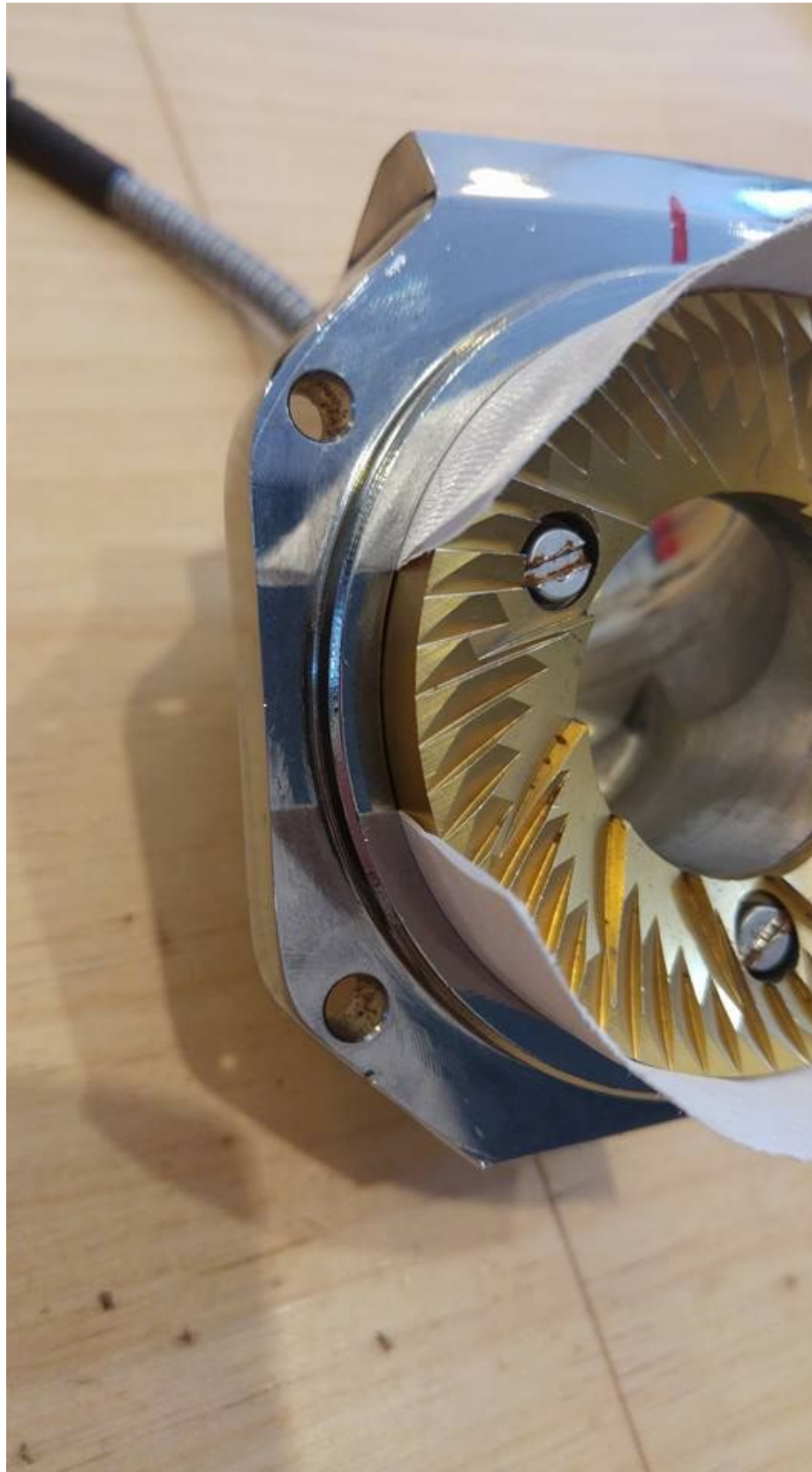
4. Take your shim of choice. we currently use till receipt paper, doubled over,



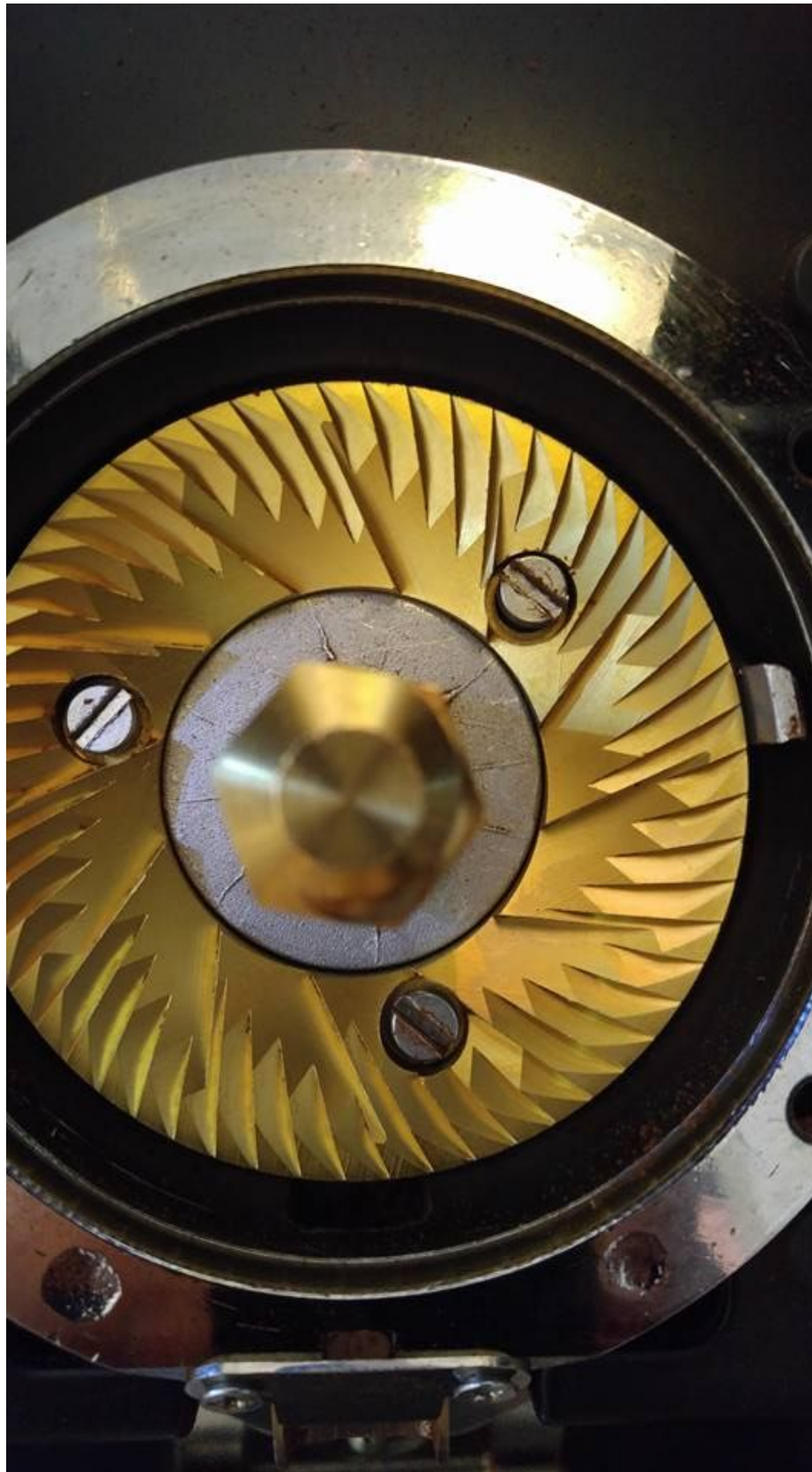
5. Fit three shims between the edge of the burr and the burr seat. Gravity will help, so turn the burr carrier over and fit the shim at the top each time. All three should fit tightly with no burr movement



6. Like this, see!? now tighten each screw in turn and remove the shims. they should all come out with the same force. if it's too easy, chances are your shim is too thin. if it's too tight, the burr is not aligned or your shim is too big. this bit take a little bit of experimentation.



7. Now onto the motor burr, again install leaving the screws loose



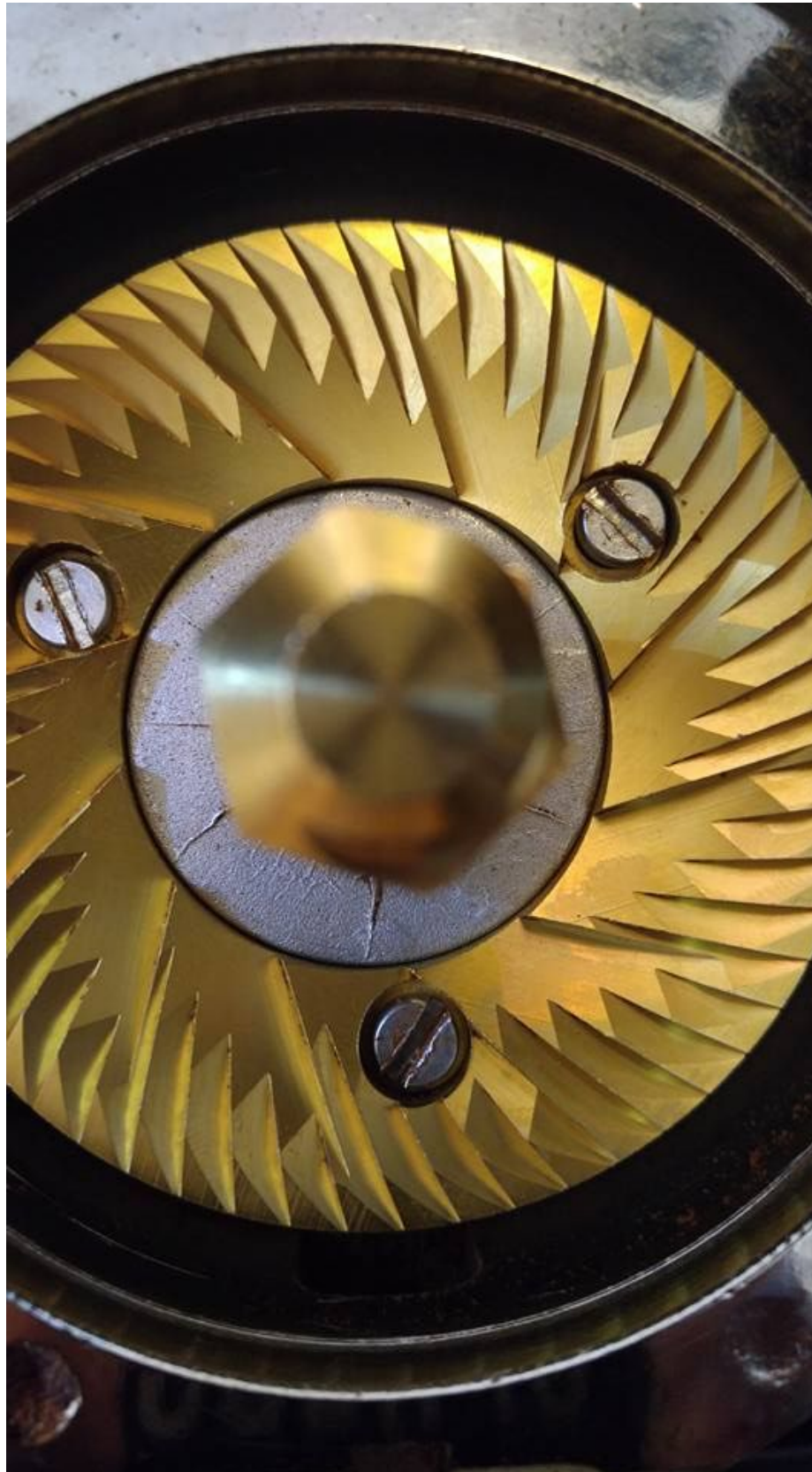
8. This time, install your shims on the inside of the burr, we use post it's. Sorry [Michael Cameron](#), we ran out of Pro-Level Pink notes.



9. Again, install three shims and check for any movement.



10. Tighten and remove as for the burr carrier. Again, if one is stuck or comes out harder than the other two, you're burr is not aligned properly, give it another go. That's the radial alignment done, now on to the axial alignment.



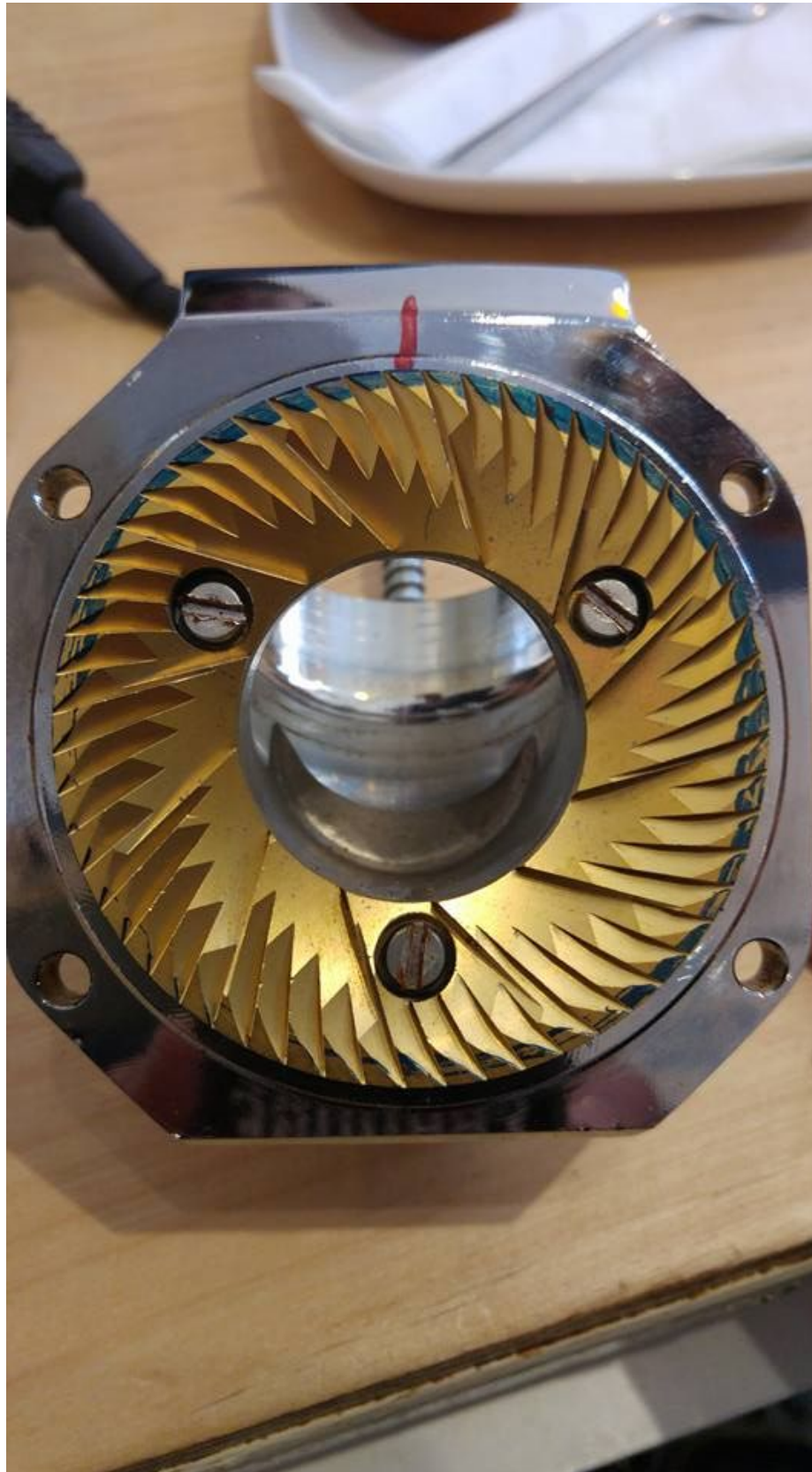
11. Axial alignment checks how parallel the burrs are, to do this we're gonna need a whiteboard marker.



12. Mark all around the outside of the burr. Blue is best, the colour of Leicester City FC.



13. Now we need to check that alignment. Install the carrier and start the motor. Turn the grind setting dial finer until you hear the burrs touch. when they do, back off the grind then turn off. take the burr carrier of and have a look. You can see here that where the burrs have touched, the ink has gone. Where there is ink left, the burrs are a little low. If you imagine a clock face, it's about 10-4 o'clock here



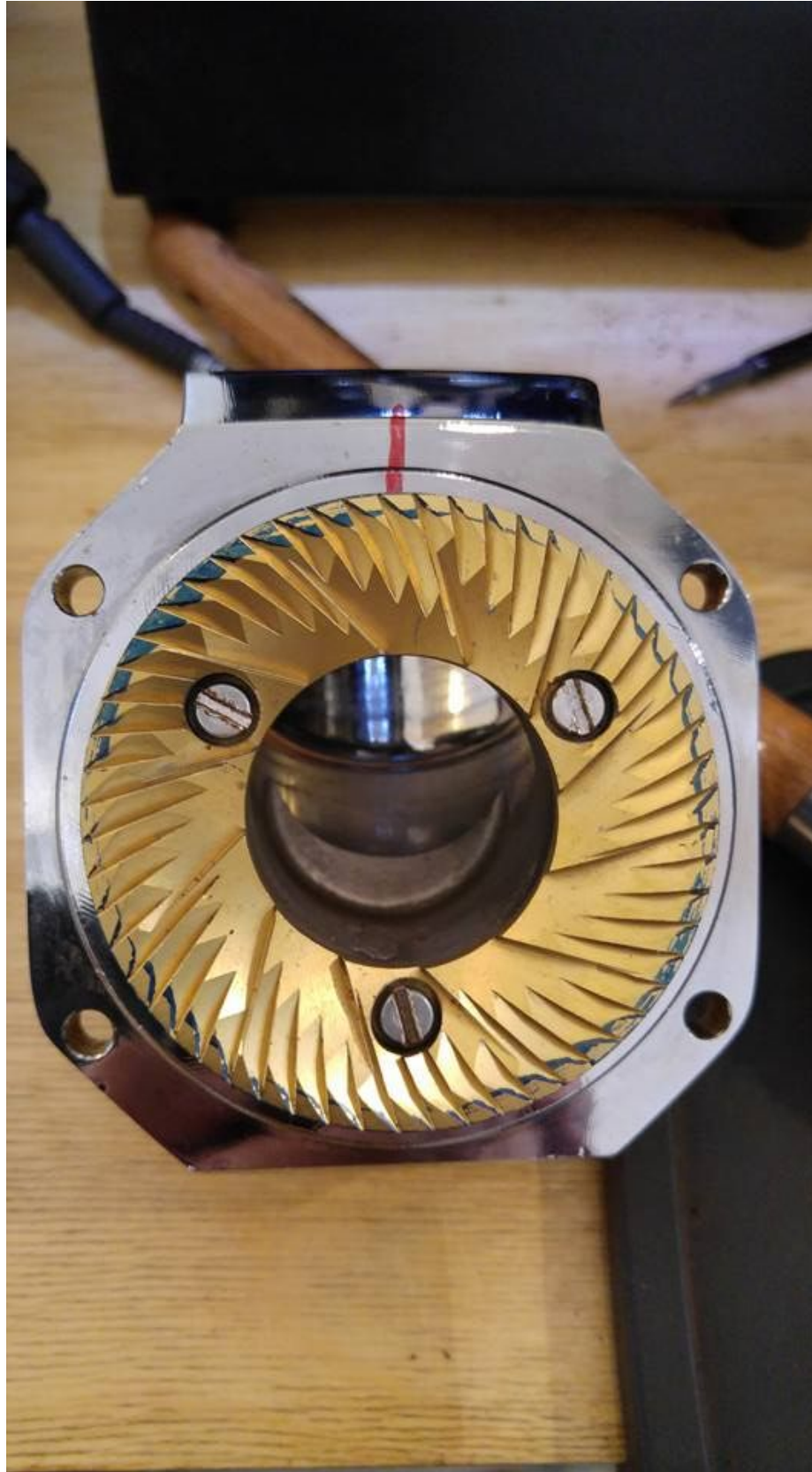
14. Grab a shim, this is sticky copper tape, it's pretty thin.



15. Place a small shim under the low spot on the burr. Aim for the middle of the low area. Make sure the shim is flat, with the tape i smoothed it down to ensure a good seat for the burr. Now reinstall and re shim the burr.



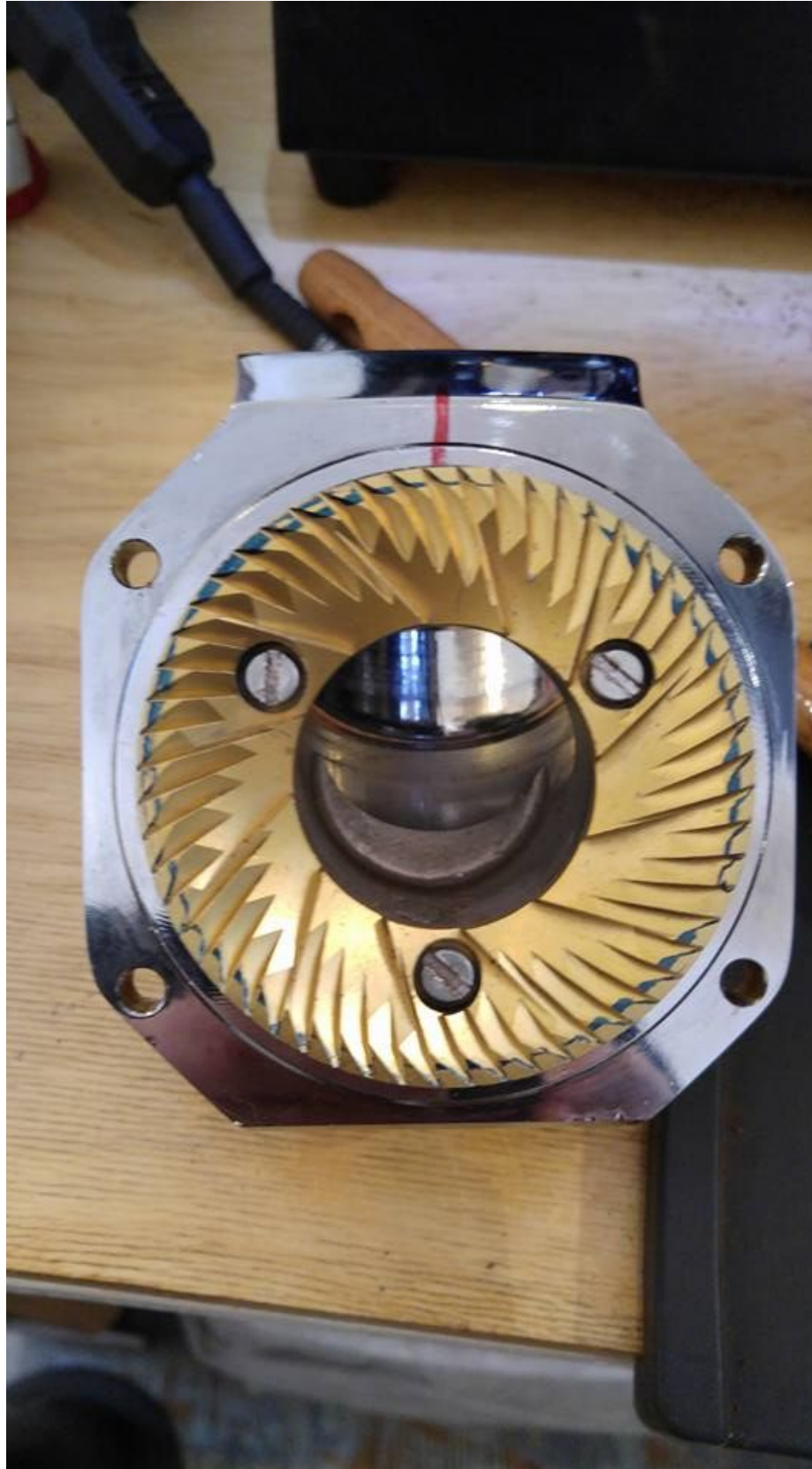
16. Okay, try the touch test again. This is better but we have a small low spot @ 10 o'clock. lets try and get rid of that.



17. Another shim, be careful not to overlap as you'll double the thickness.



18. Oops! looks like we now have a little low spot forming at about 3 o'clock as well. let try and get rid of that with a third shim.



19. Shimmy, shimmy yo, shimmy yo, shimmy yay, gotta get up and align somebody, apologies to ODB.



20. Nope! Now's the time to fish or cut bait. we could chase this all day, trying to get is as perfect as possible, but that's a fool's game. Let's remove the third shim, smooth out the first two and check one last time.



21. RESULT!!! it's not perfect, but then, without dial indicators this is about as good as i'm going to get.
good luck!



Mat North