

Repair your Zinstax in 28 easy steps*

* well yes but actually no

1. Tape the buttons first to prevent them from falling out during the repair.



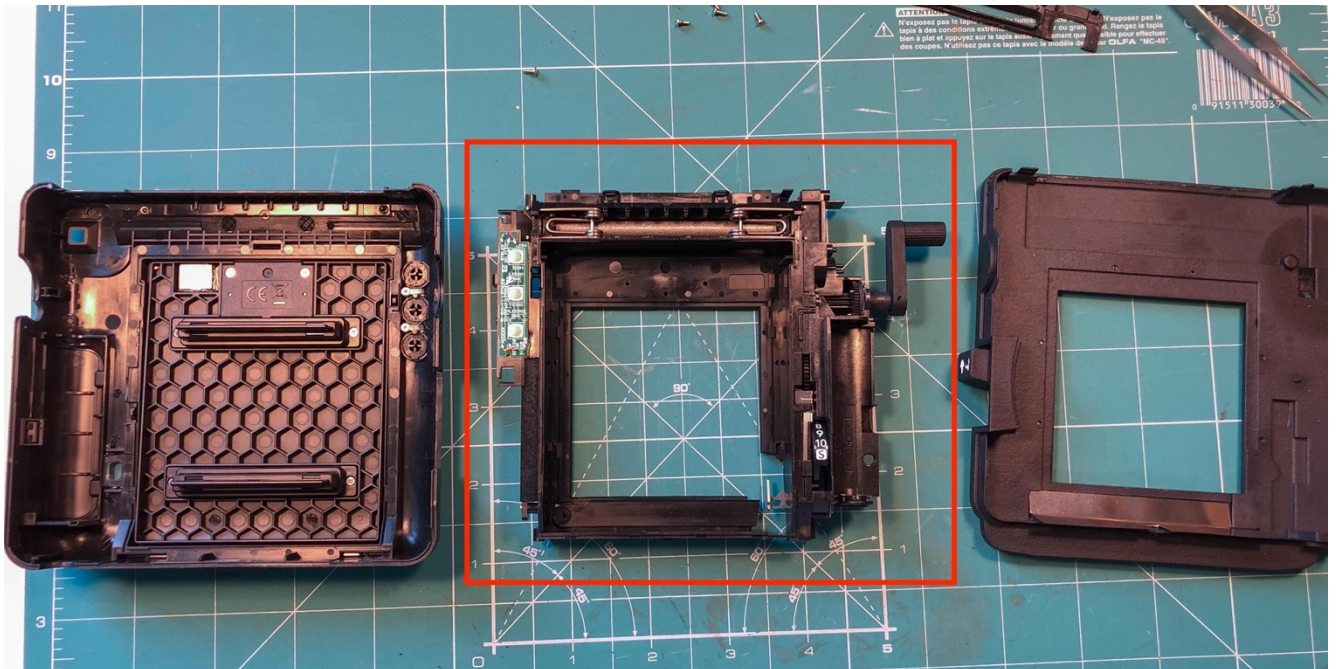
2. Unscrew all screws around the back, including the six black screws on the face of the mount. You don't need to unscrew the two screws securing the dark slide holder to the film door.



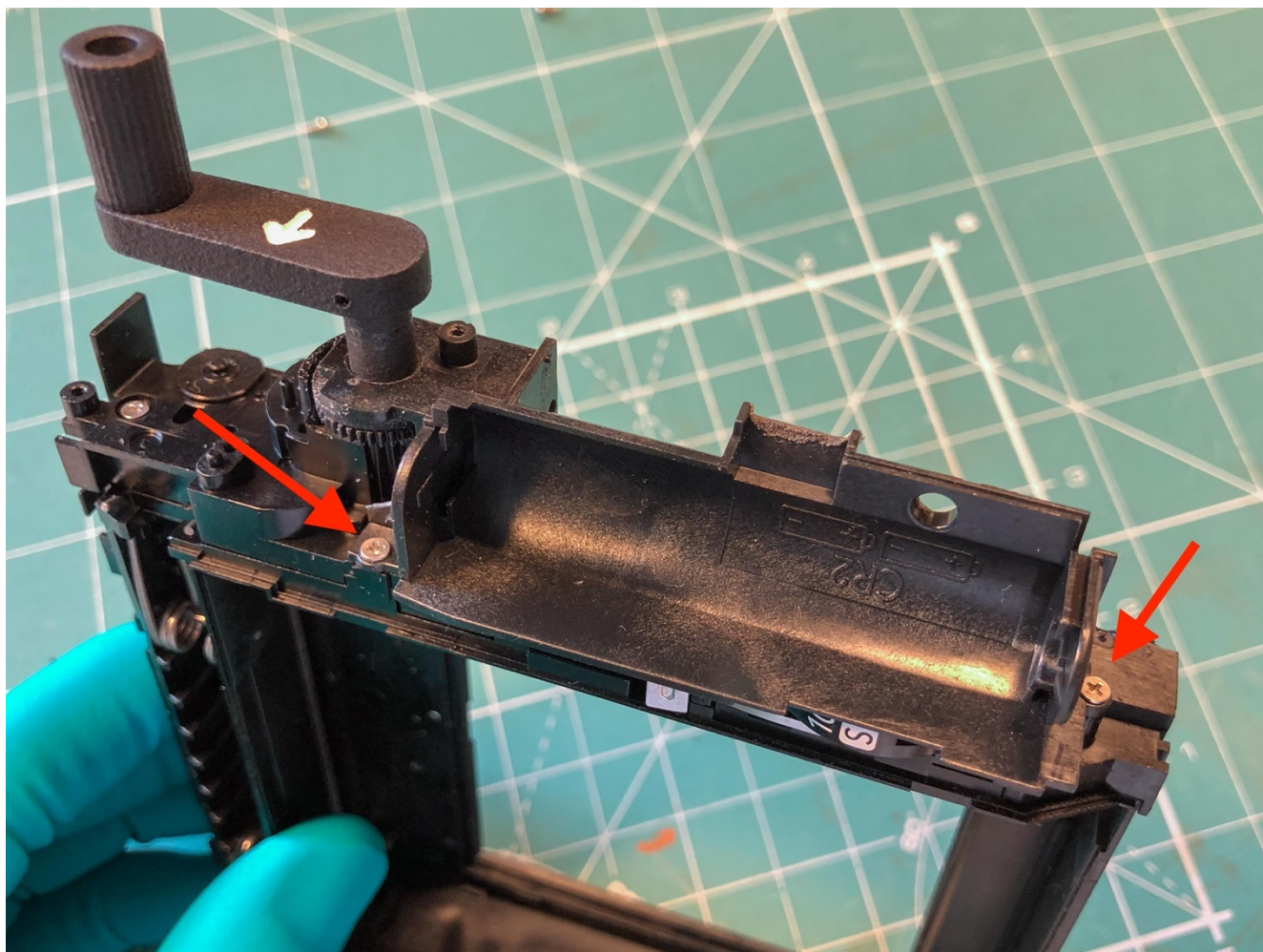
3. There are two more screws hidden under the top cover. The top cover is glued in place, you can pry it off with something pointy (a knife, I use an awl, fingernails work just fine too). I usually stick the awl under the cover to lift it up, and then slide the awl along the edge to break the bond.



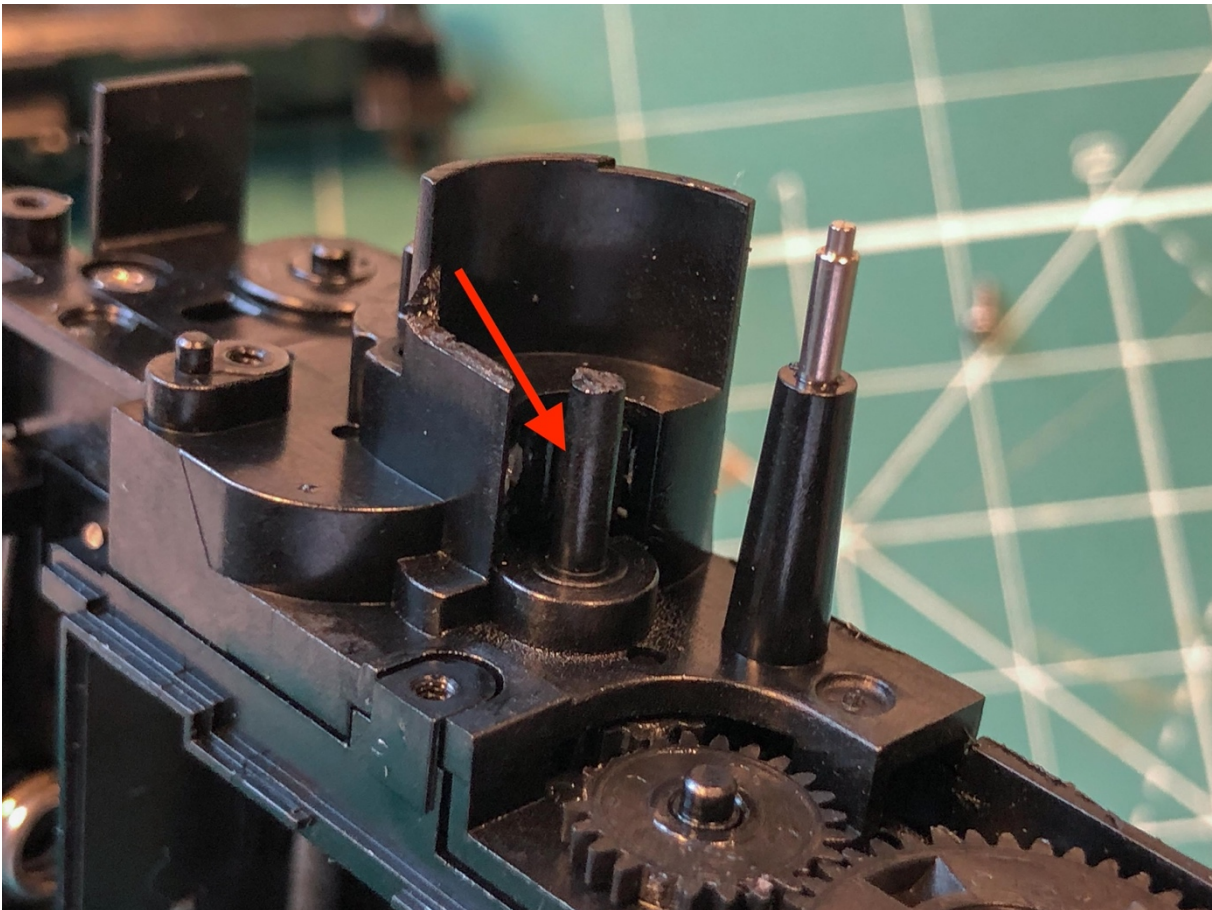
4. Now the back should come apart easily. We will only work on the ejection unit in the middle (red box) for now.



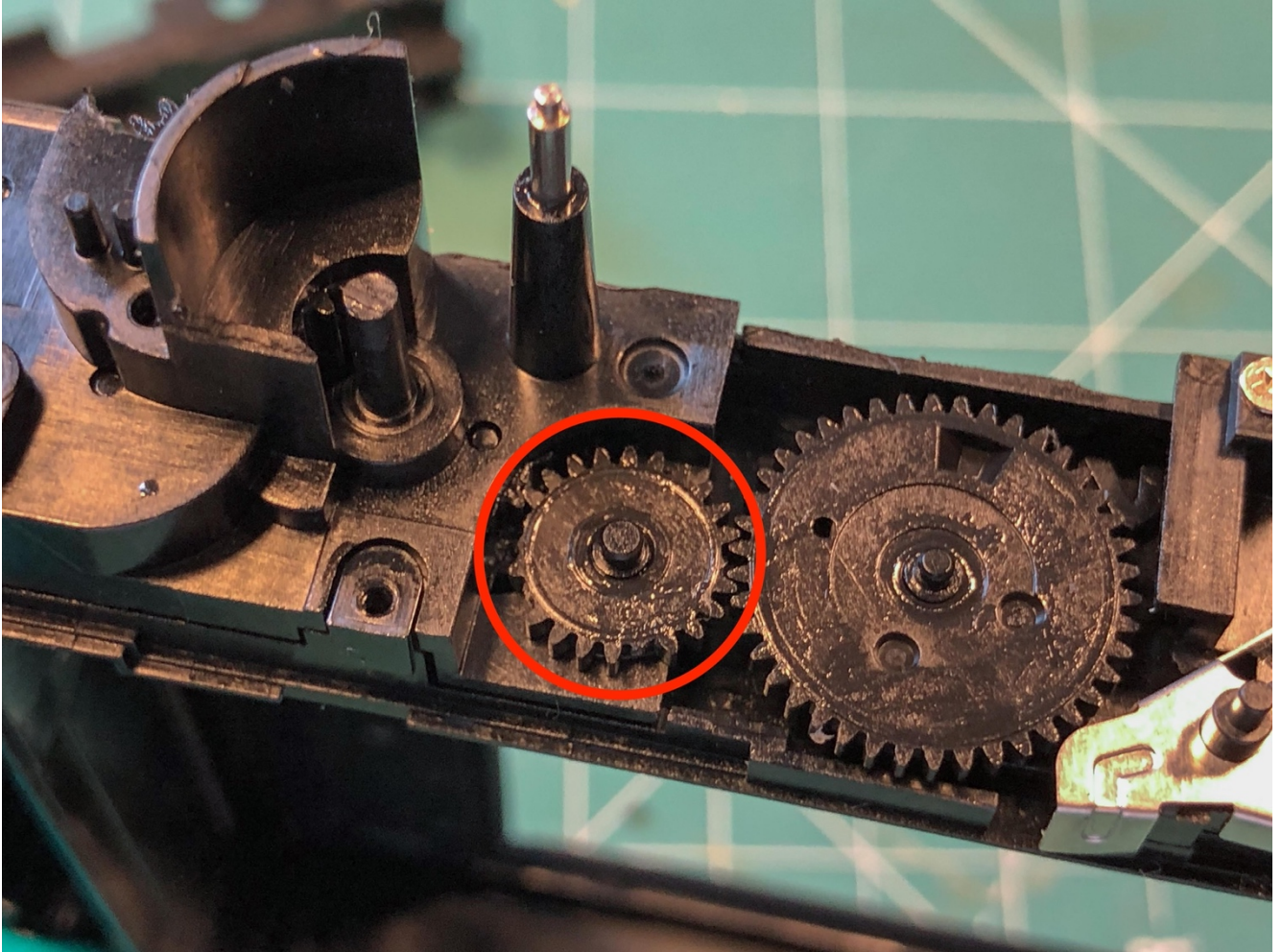
5. Unscrew these two screws.



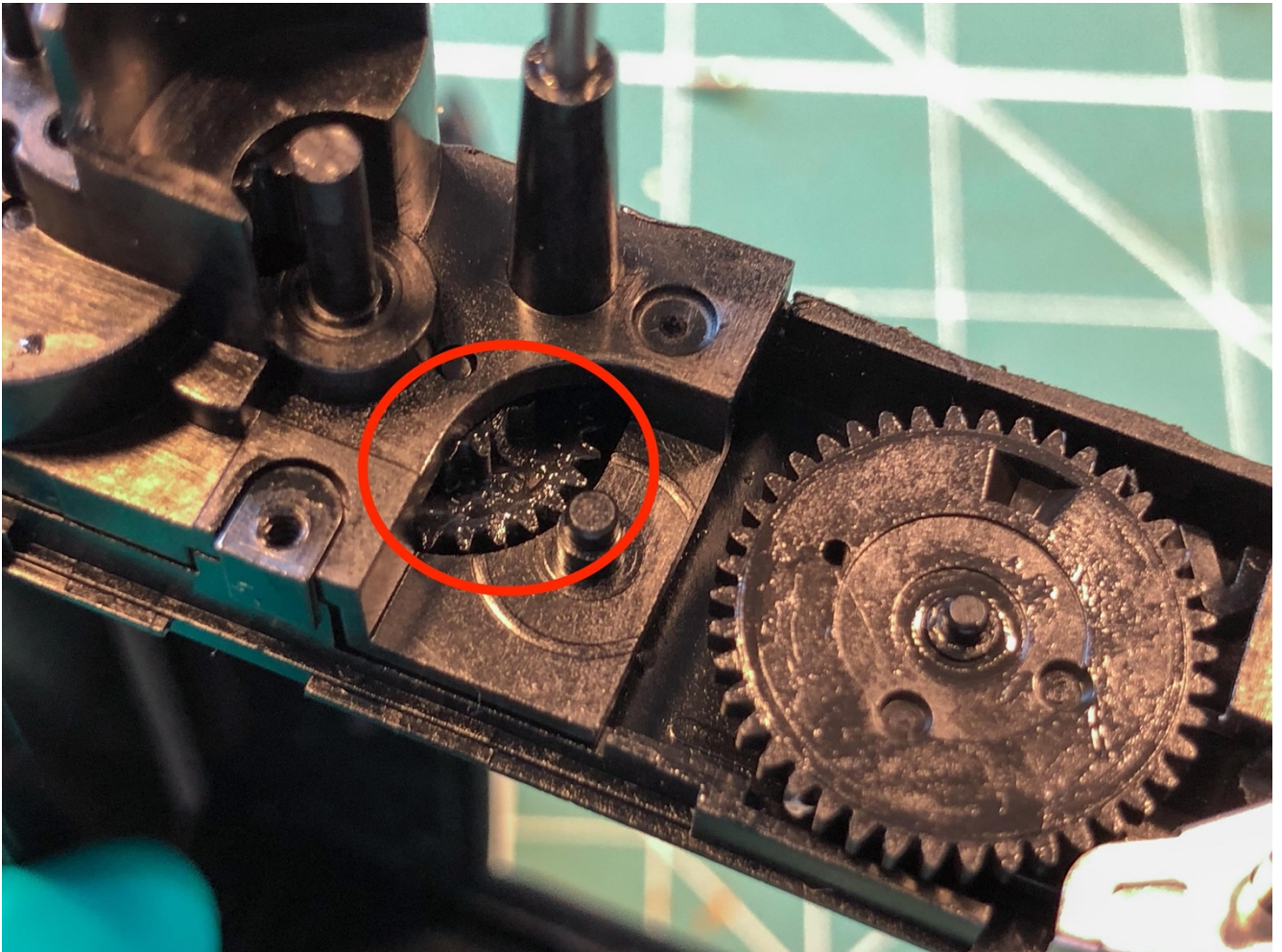
6. Lift this part straight up, be careful not to snap off the shaft of the driving pinion (red arrow). You'll need another SQ6 for replacement if that happened.



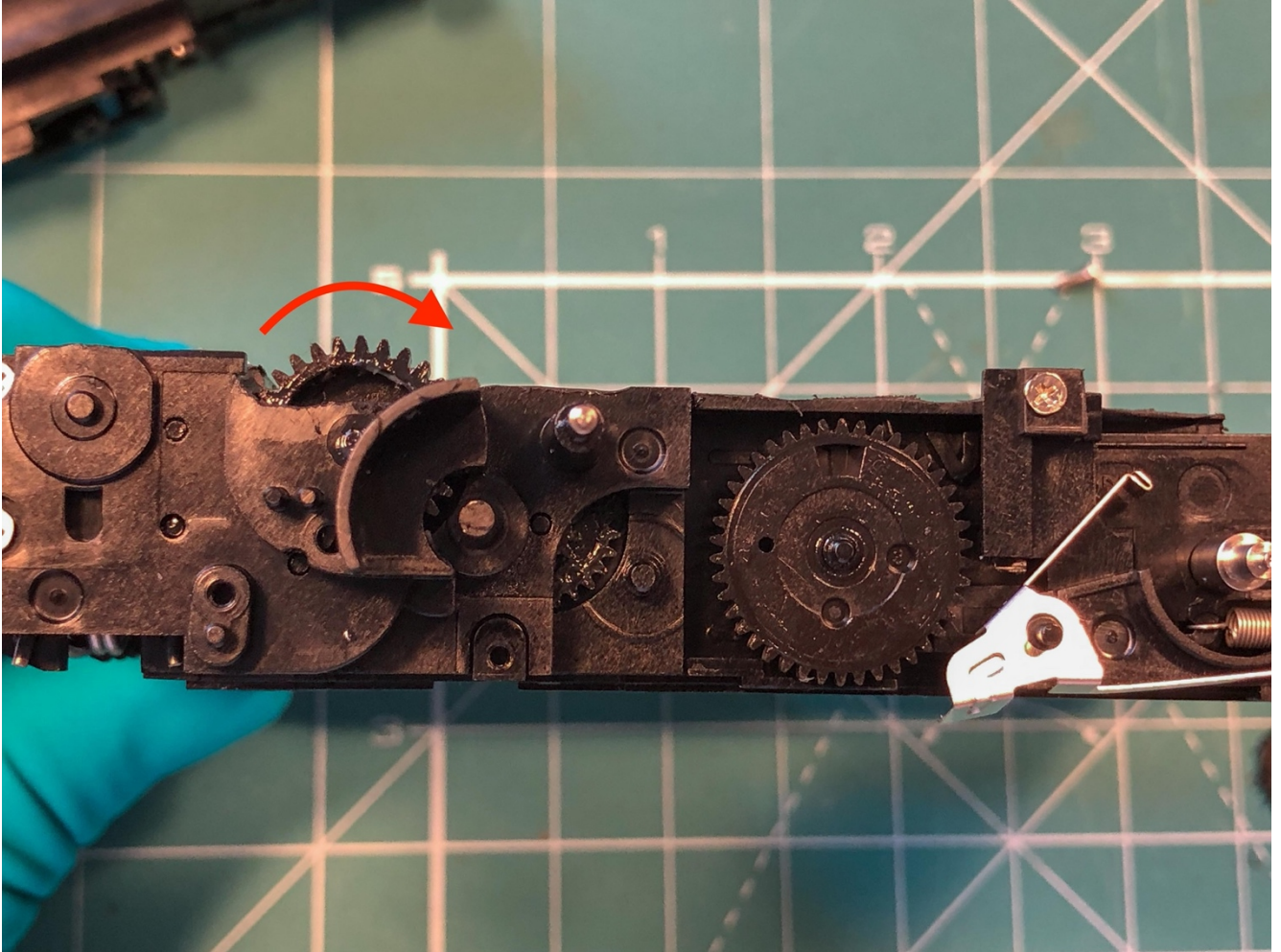
7. This is the gear you want to replace. This one is missing a couple of teeth. Take it out and throw it away or make a necklace out of it or whatever. The big gear next to it won't break, all you need to do is to check if there's any broken plastic bits stuck between its teeth. You can take it out and put it back regardless of its orientation, just don't put it back upside down. And make sure it's fully seated.



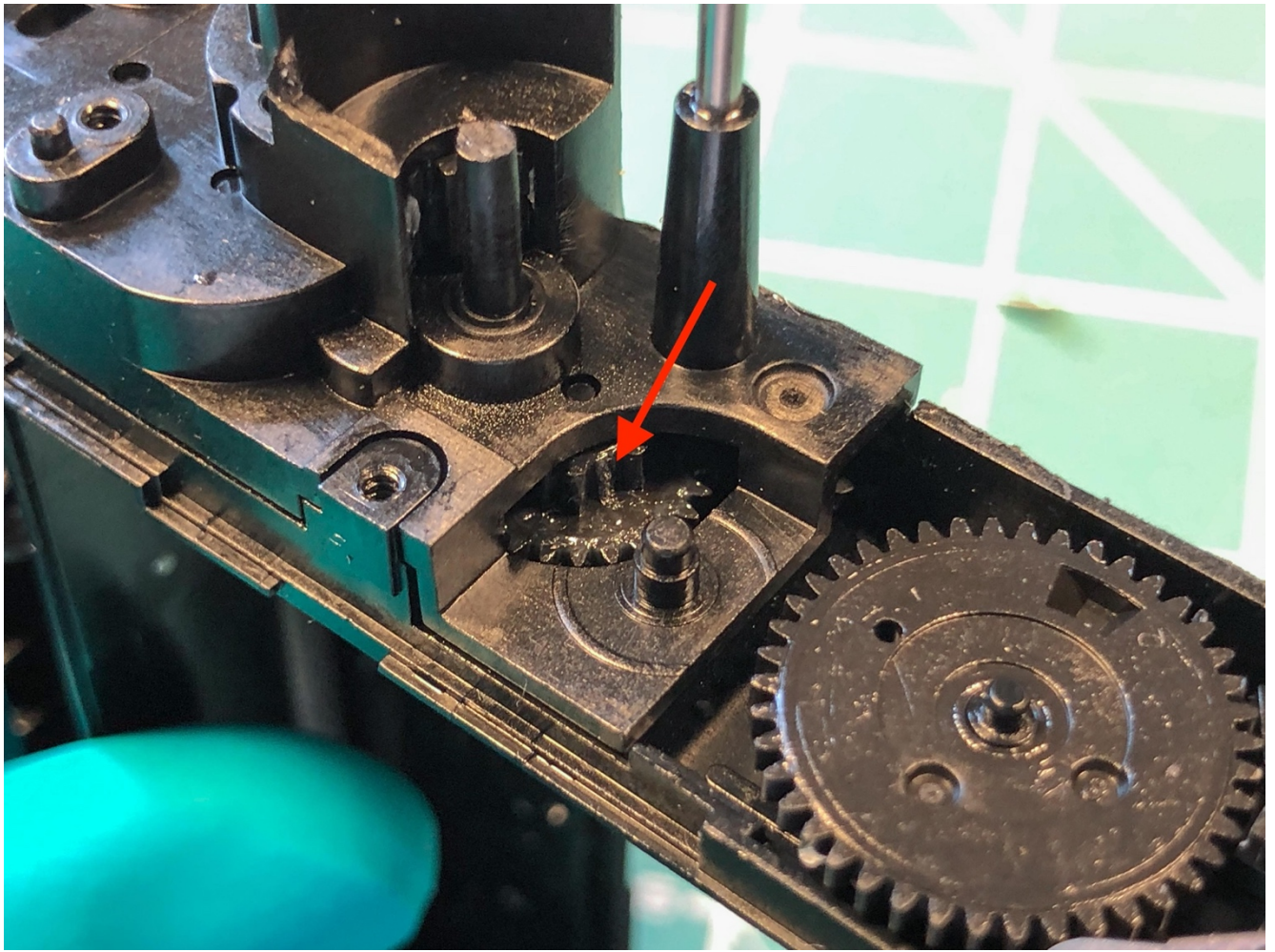
8. Check if this gear (red circle) is in good condition. You're lucky if it's still intact, but usually it's damaged too. But even if it's still in good shape, you want to make sure the gears in the gear box turn smoothly by going to the next step.



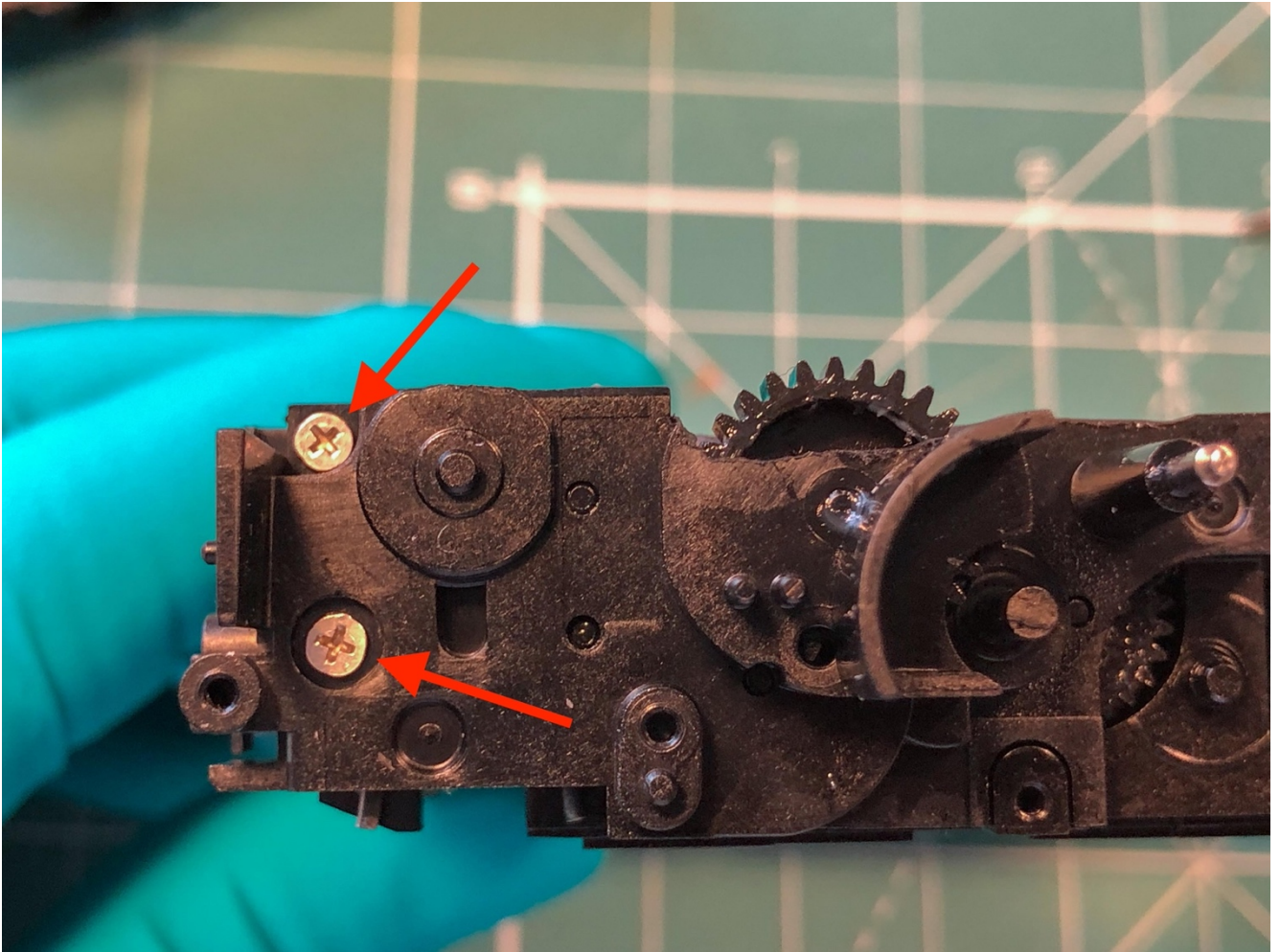
9. Rotate this exposed gear in the direction of the red arrow with your finger. The gear mentioned in the last step will rotate, so you can have a look to see if it still has all the teeth. Also feel if there's any bumpiness while slowly rotating the exposed gear. You'll find it easier when the broken gear in step 7 is removed.



10. This one is missing a tooth (it's usually the case).



11. Remove the gear box cover by unscrewing these two screws first.

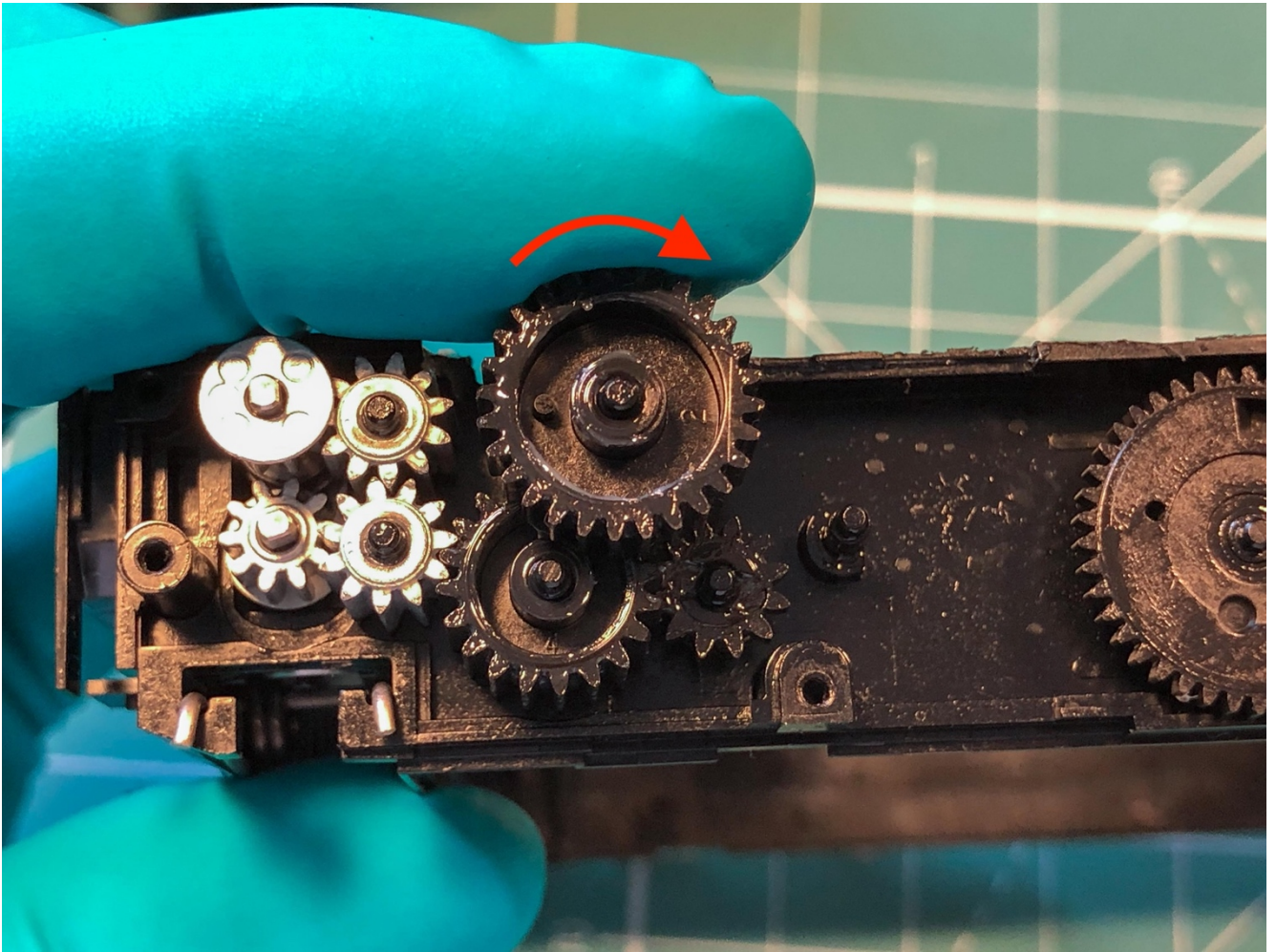


12. The cover is glued along this seam. Go ahead and pry it off.

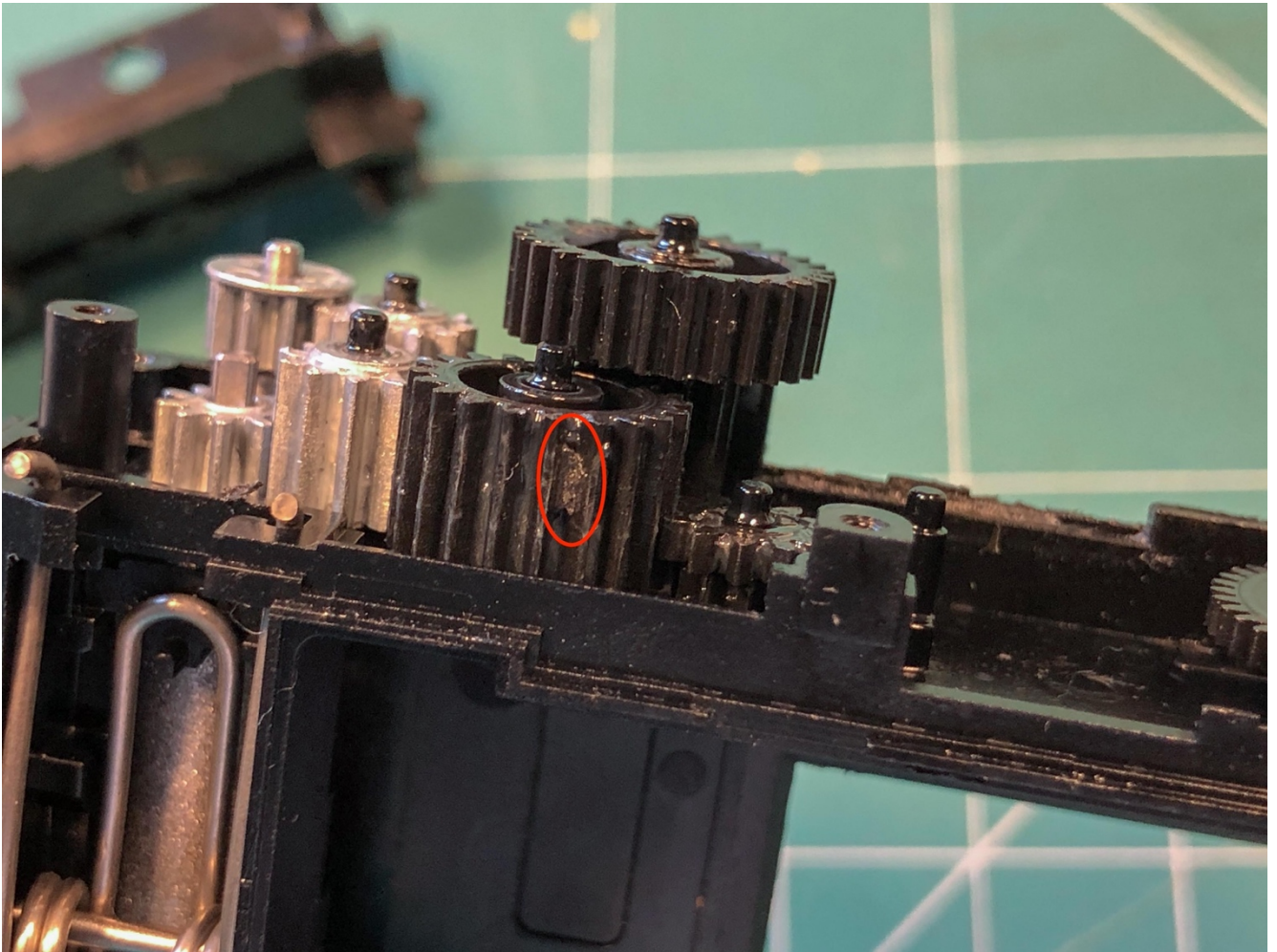
<https://youtu.be/kyUDuV3XR-E>



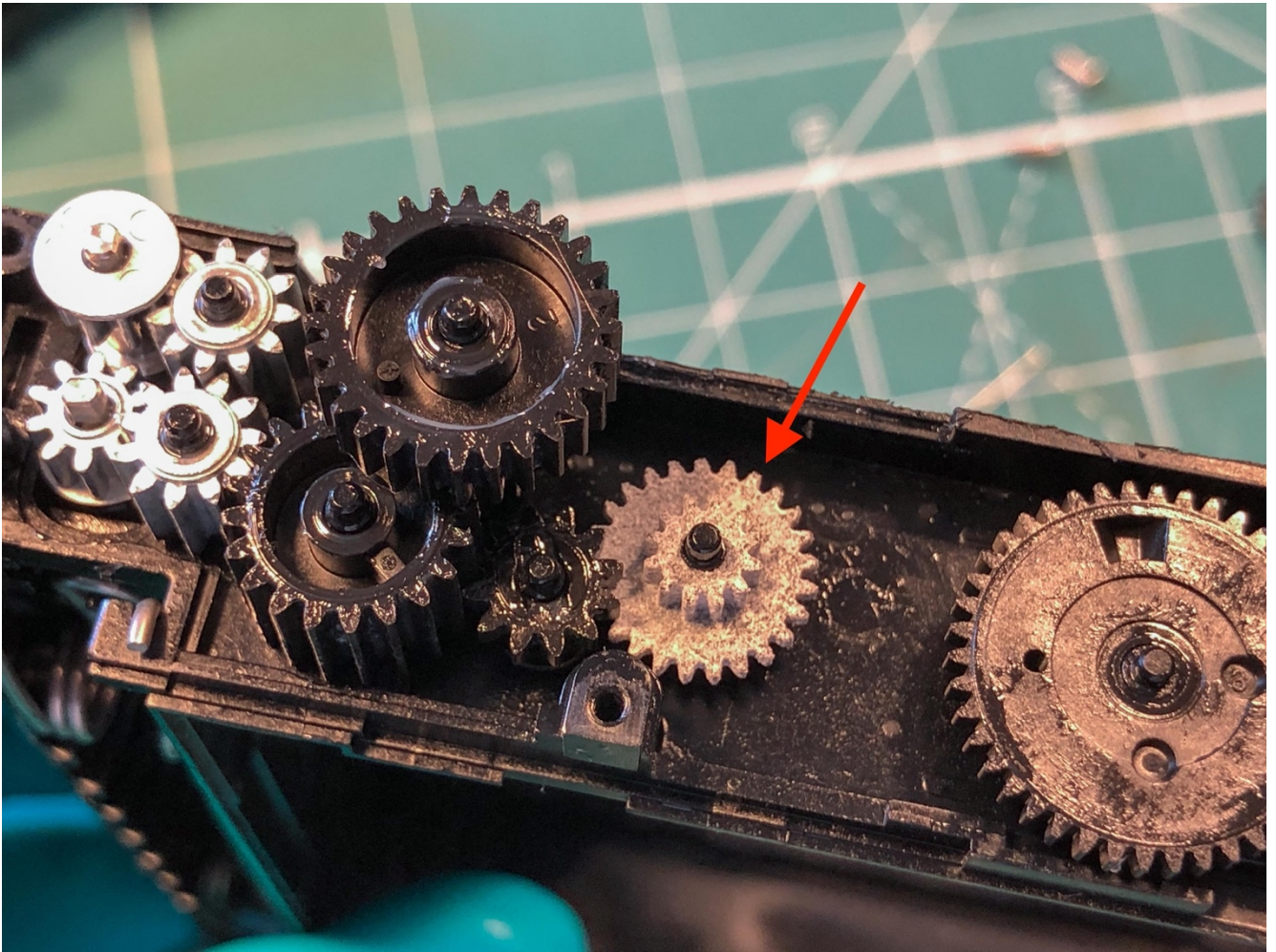
13. With the broken gear removed, rotate this gear with your finger again to see if everything's smooth. You shouldn't feel any resistance.



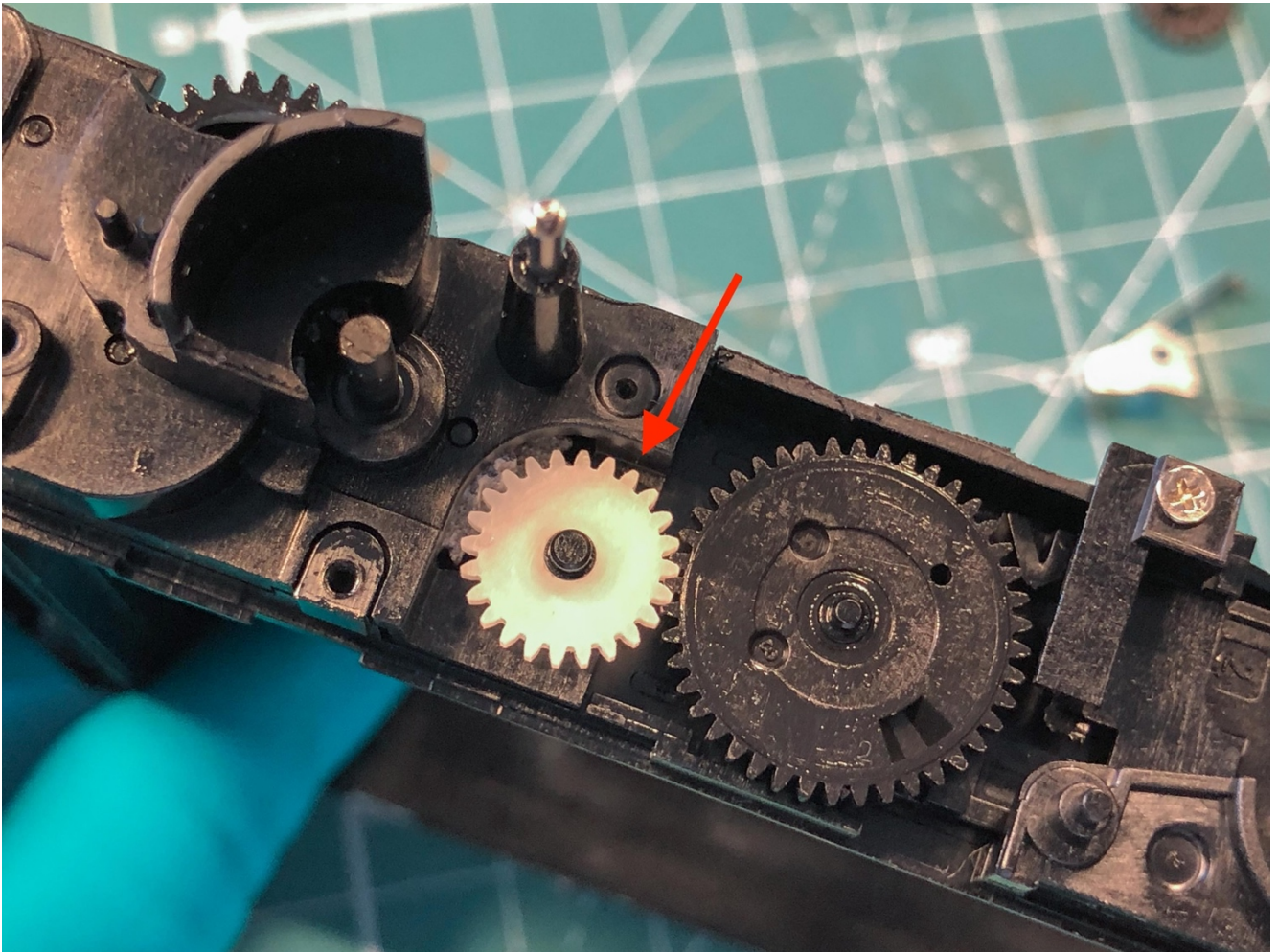
14. This one didn't turn as smoothly as expected and sure enough there was something between the teeth. It goes without saying that you should clean out any debris before putting everything back together.



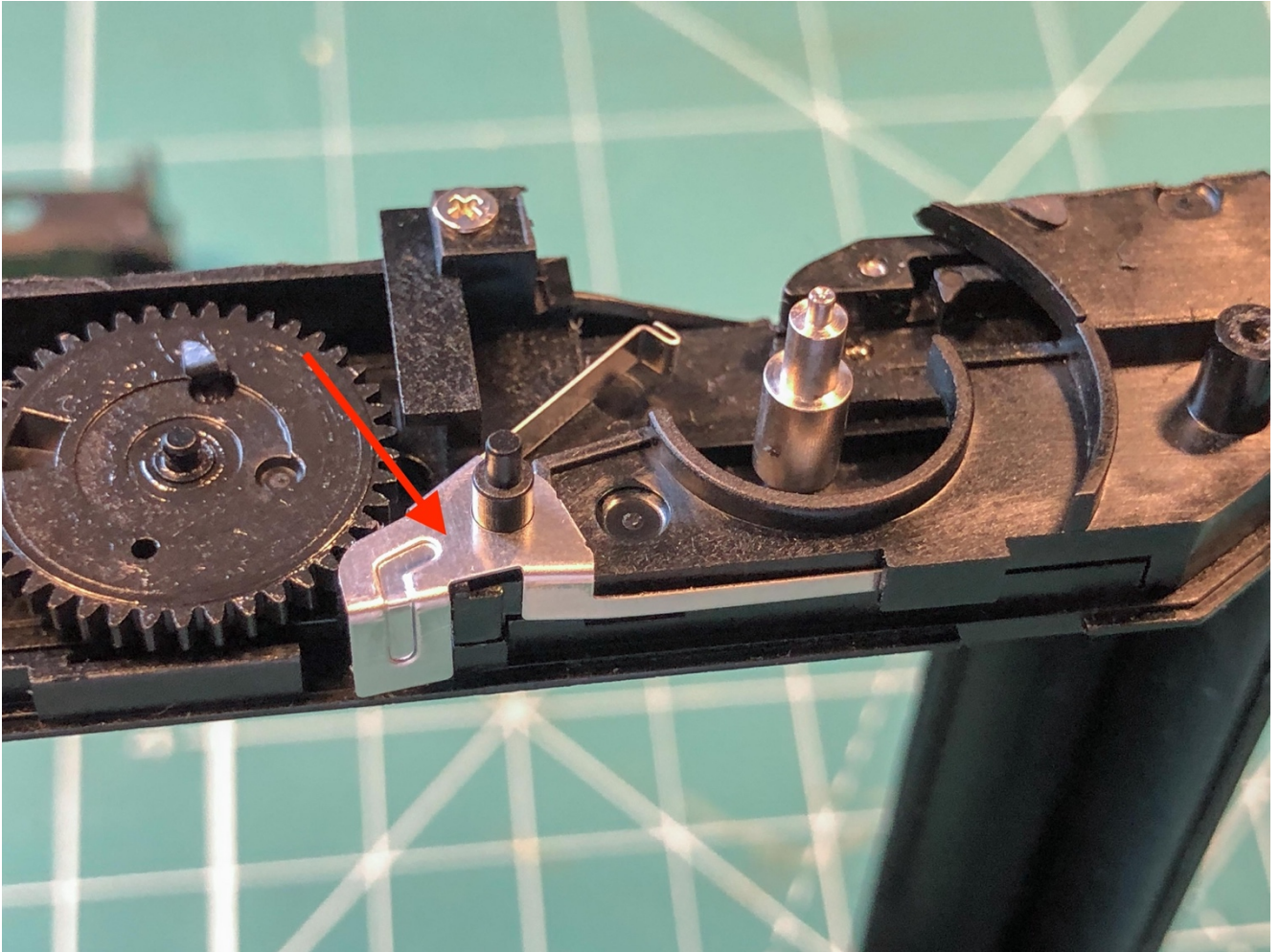
15. Note this gray replacement gear (red arrow) is tucked under the small gear next to it. Also make sure it's fully seated and turns freely.



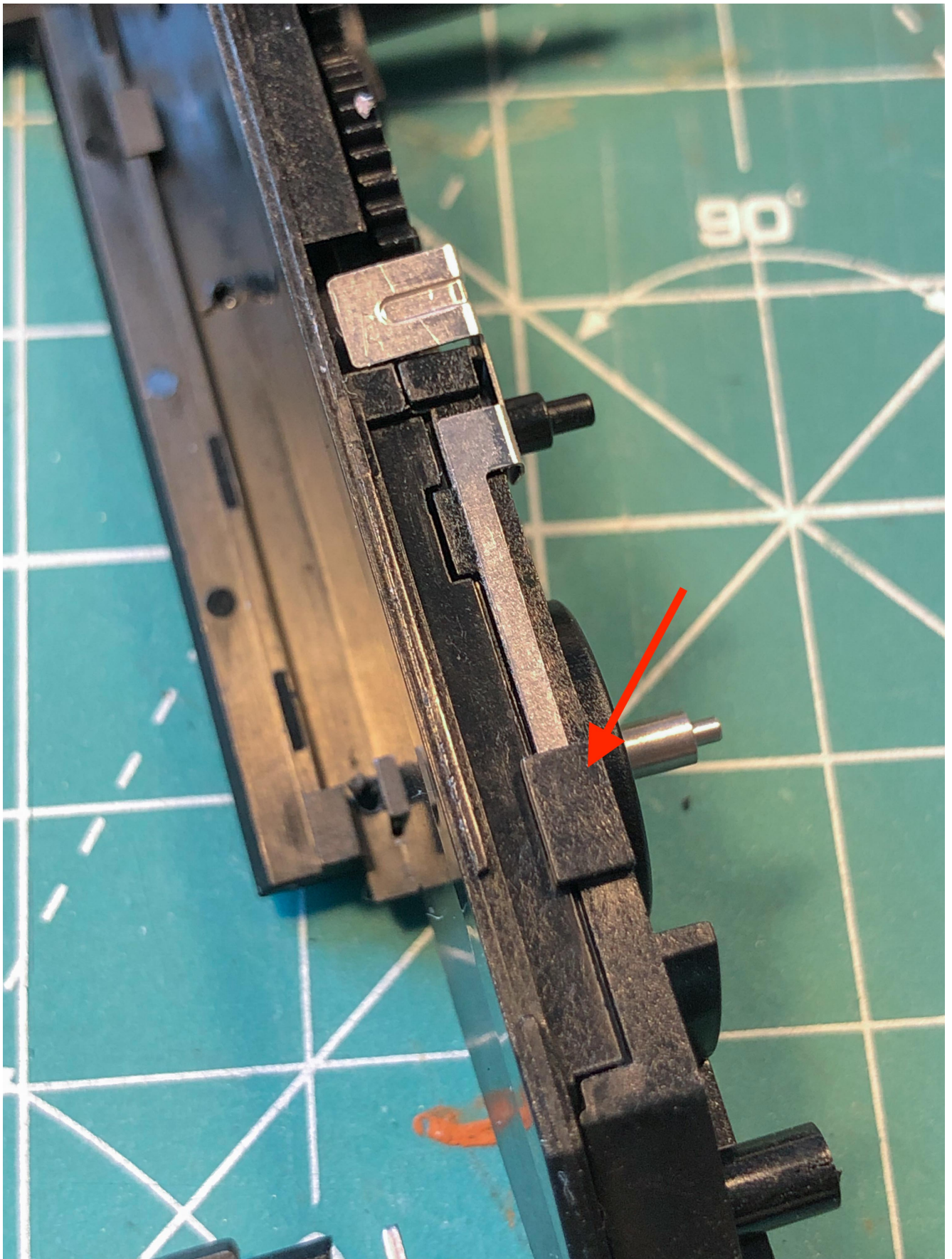
16. Install the gear box cover. Make sure the white replacement gear (red arrow) is properly seated and meshes with other gears correctly. Now do this: <https://youtu.be/fJdsVltGkko>. The gears should turn freely. The hook should go up and down as in video, and if it does, you're almost there. You can reglue the joint that was broken in step 12 with super glue, but it's not necessary. If you decide to glue it, be careful because too much glue would cause gears to be stuck.



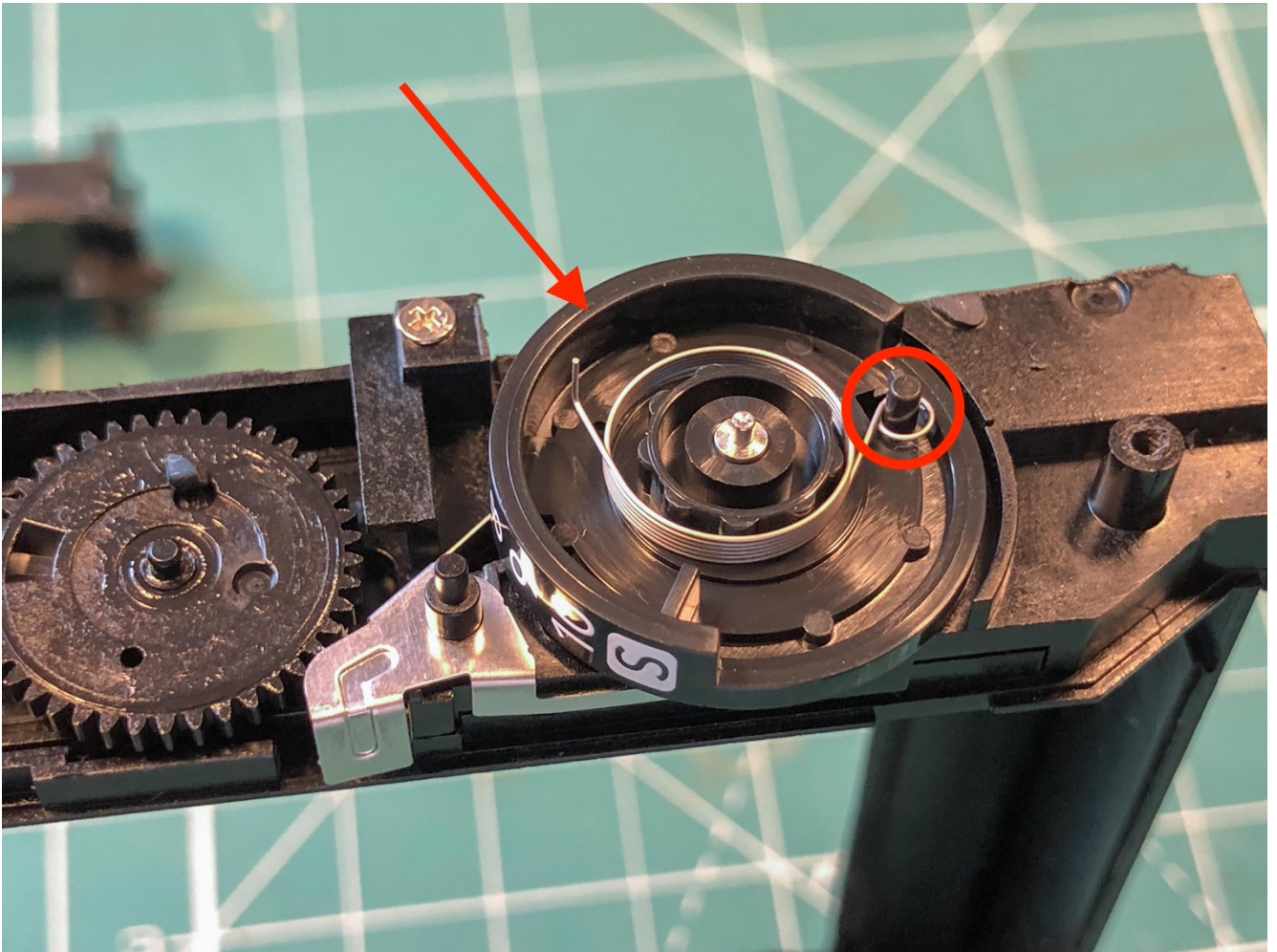
17. This piece of metal keeps the counter wheel from resetting when the film door is closed. In case it falls off during the repair, now it's the right time to put it back. Don't bend it out of shape!



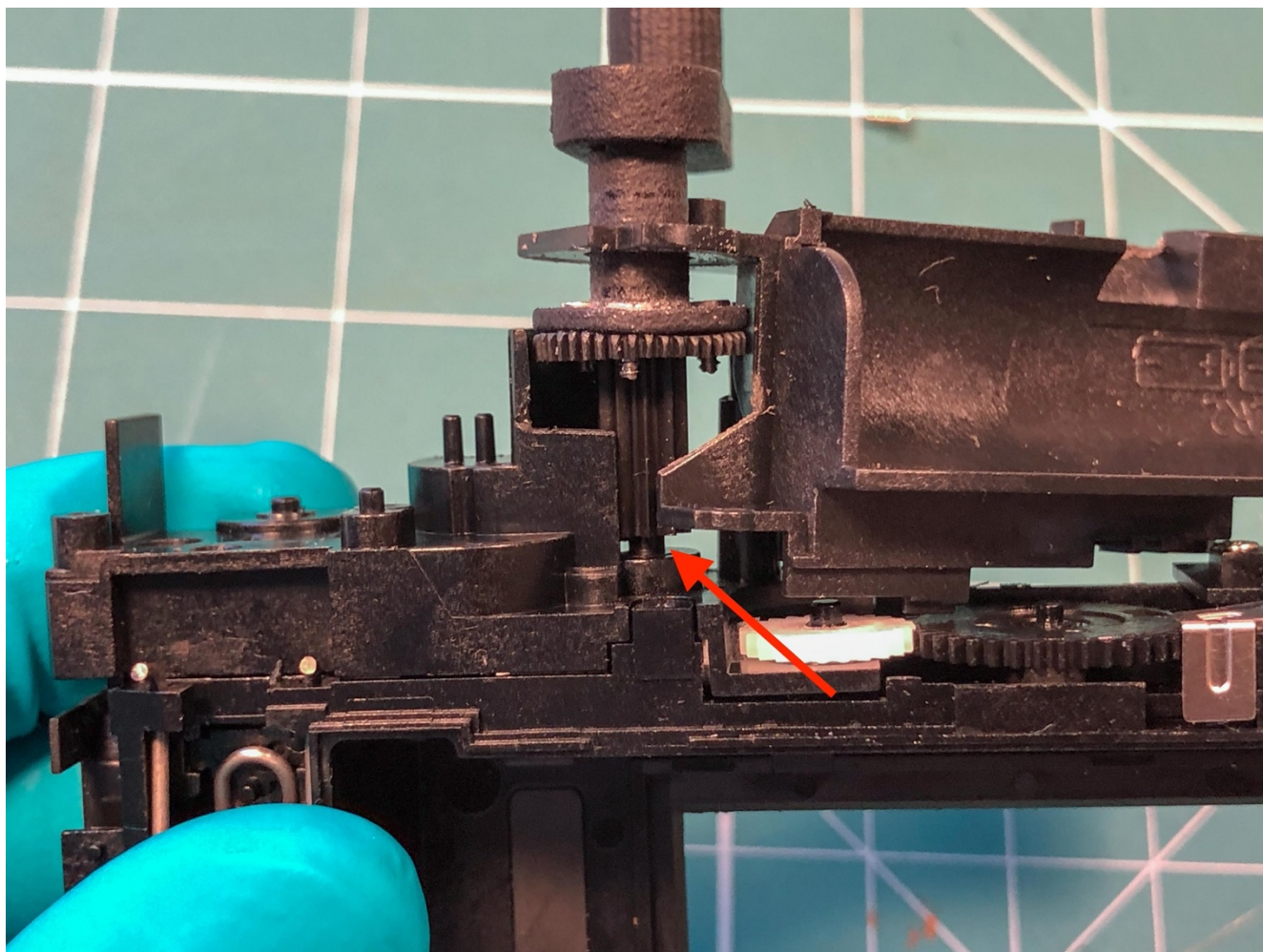
18. Make sure its leg is tucked under this plastic piece, or the counter won't work properly.



19. Now put back the counter wheel. The stud on the counter wheel must go through the loop of the torsion spring (shown in red circle), otherwise these two parts are not connected so the counter wheel won't reset automatically.



20. Install the crank by inserting the shaft into the drive pinion first.



21. Make sure the bend of the spring is facing away from you (red circle) and then align the screw holes (red arrow).

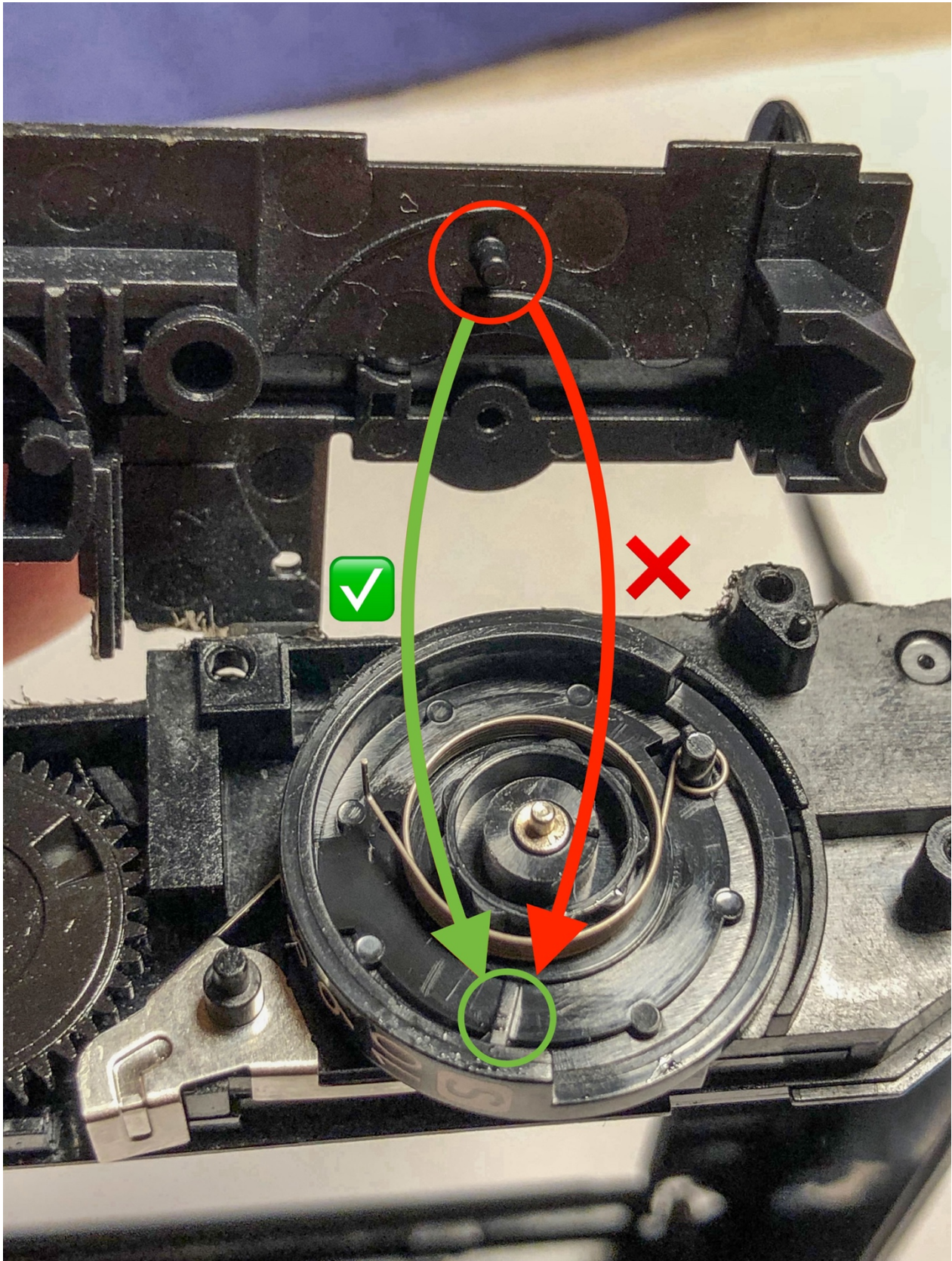


22. Looking from the other side, the bend of the spring must be in this groove when properly assembled.



23. In this step, I separated the parts so you can clearly see what is going on underneath. Don't actually separate these, you've just put them back together!

The stud in red circle is on the right side of the divider now (green circle). You'll have to bring it to the left side for the counter to work.

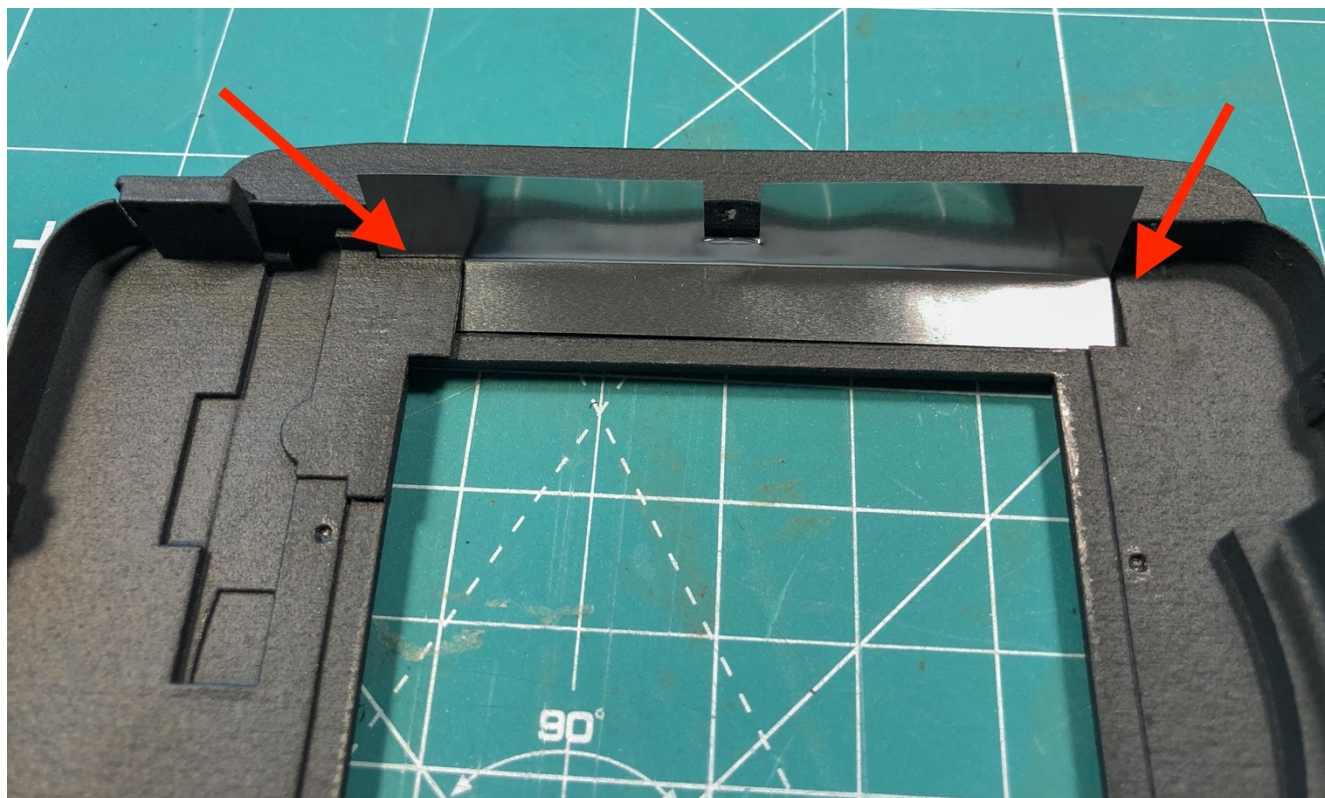


24. Here's how you do it: https://youtu.be/oCgYJ8Cn_XI

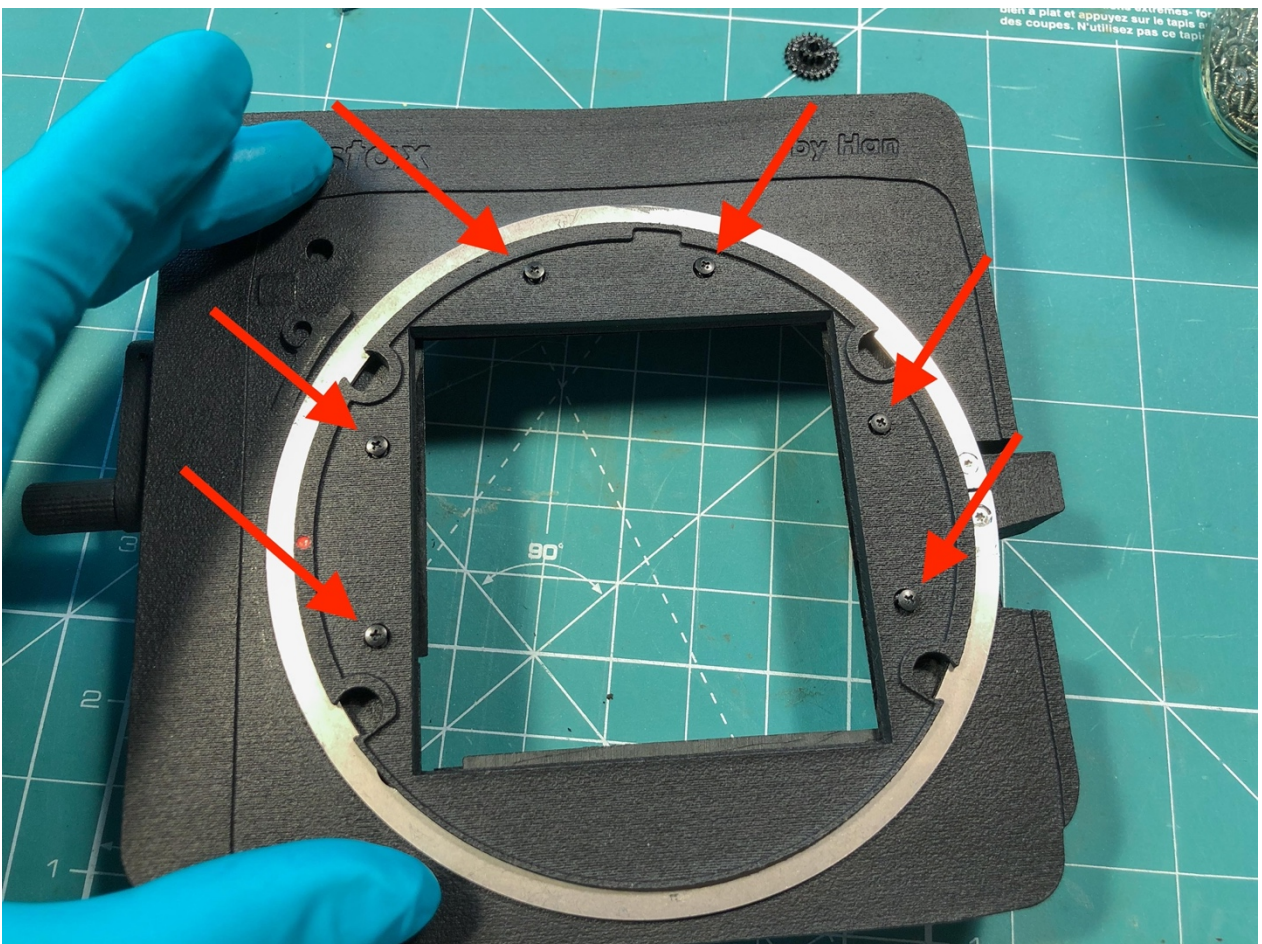
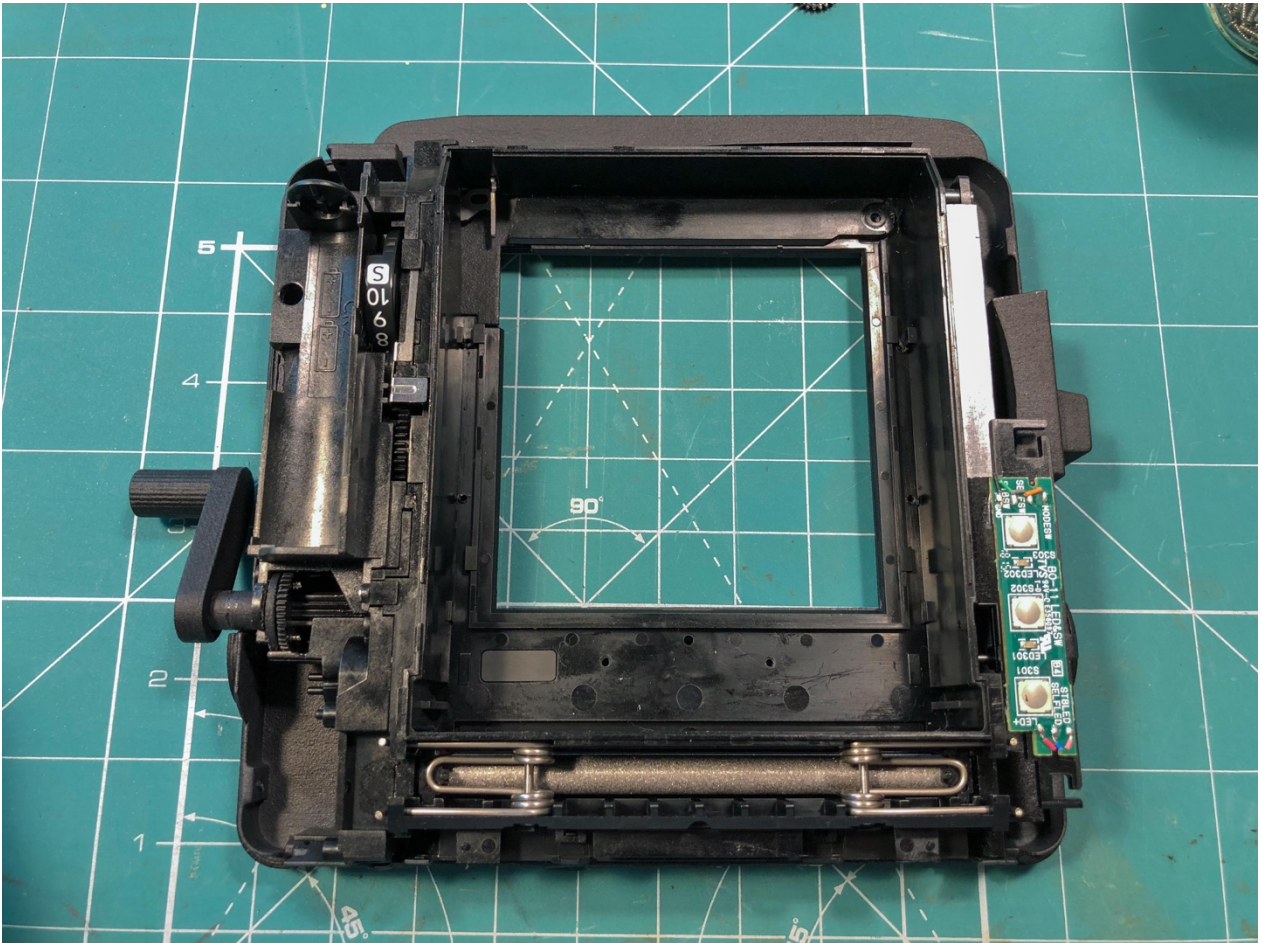
You want to lift the part so high that the stud could go over the divider, but not too high that the bend of the spring slips under the groove. The counter wheel should snap back as in video when rotated.

Don't forget the two screws you loosened in step 5.

25. Make sure the light seal is in the right place.



26. Put the ejection unit you just repaired on top of that and flip the whole thing, tighten these six screws to lock the two parts together.



27. Align this side first and snap the rest into place.



28. Rescrew, glue back the top cover and you're done!