

EQStarPro EQM35 Install



Install

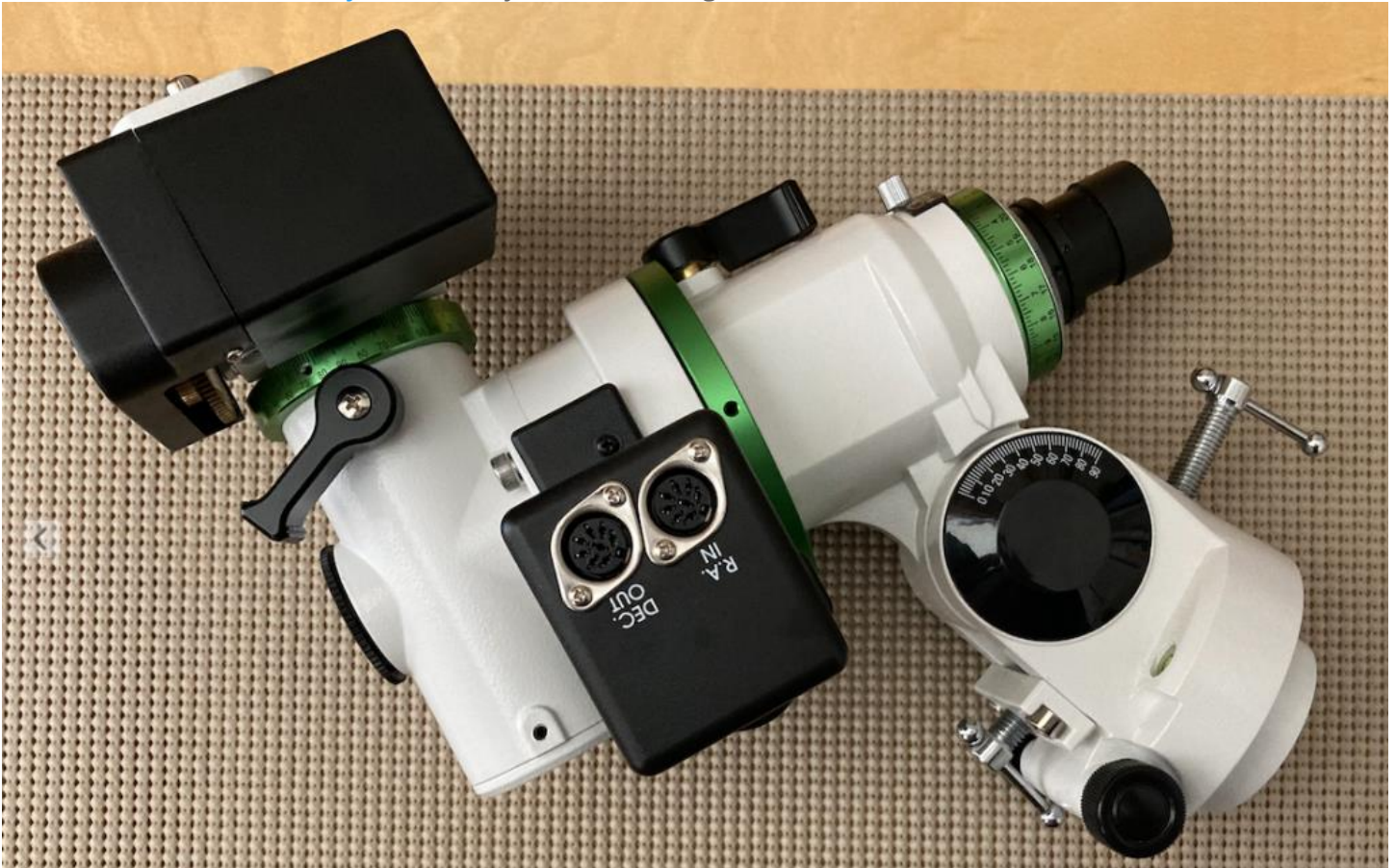
Setup and installation of the ESQStarPro and Sky-Watcher EQM-35Pro

Tools Needed

- Small Phillips Screw Driver
- #4 Metric Allen Wrench
- Allen Wrenches included
- [Industrial Strength Velcro](#) or another means to mount the EQStarPro to your mount

Sky-Watcher EQM Tear Down

Remove all your gear, and all cables, and counterweight so you have the following section of the mount. Here is the [main manual from Sky-Watcher](#) if you need more guidance on the teardown.



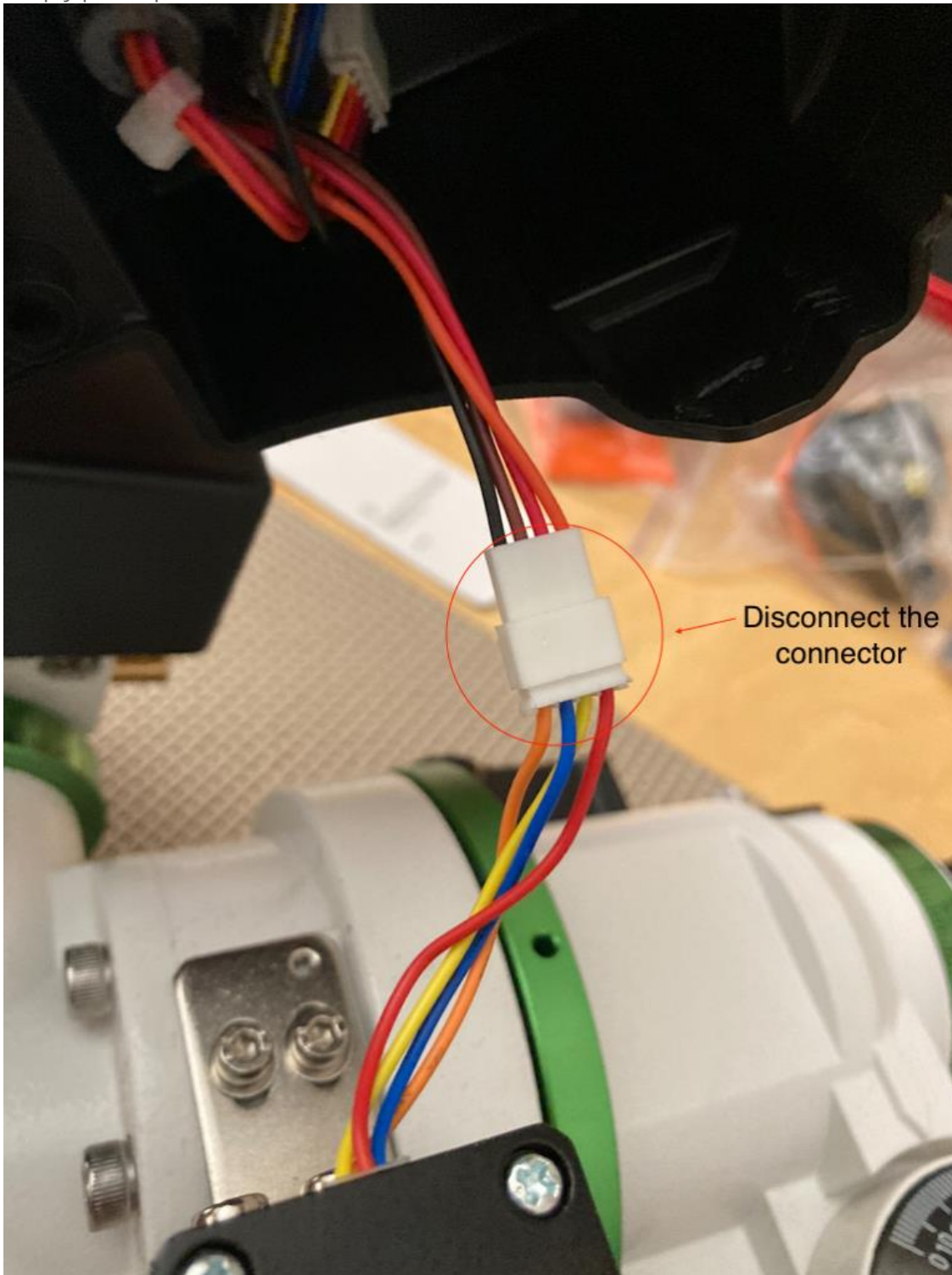
With your Phillips screwdriver remove the following screws on the RA enclosure box.



Then remove the final 3rd screw from the RA enclosure box.



Once the final screw is removed from the RA enclosure box gently lift up the box and disconnect the cable it simply pulls apart at the connector.



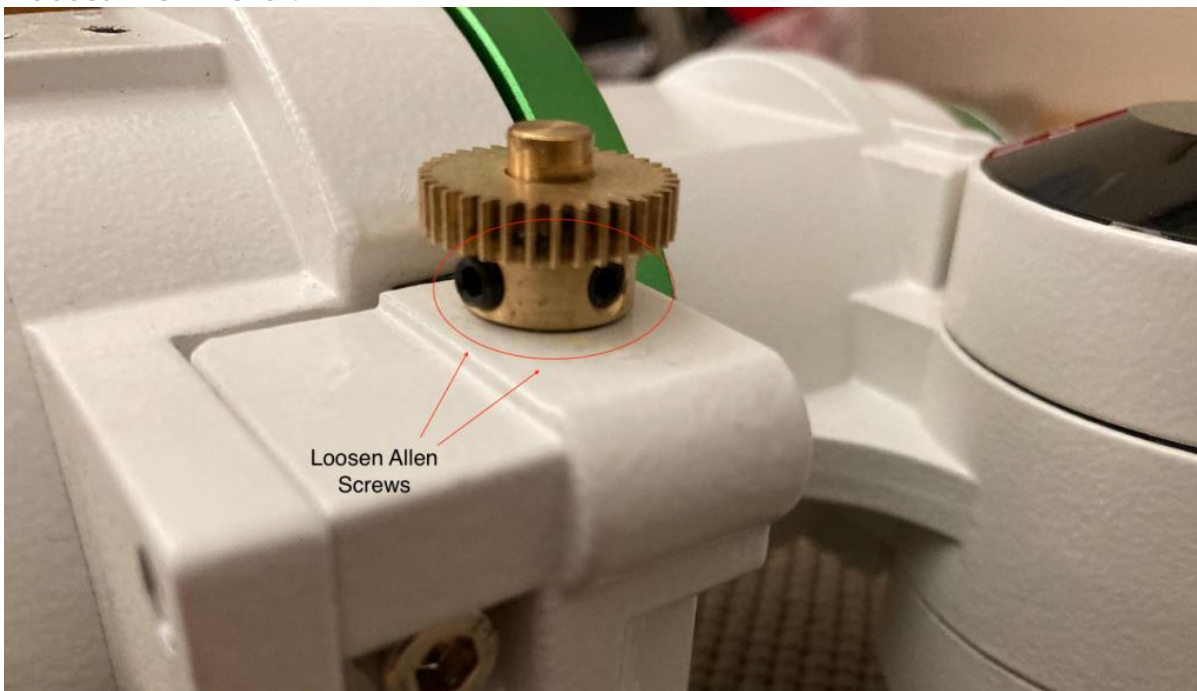
Next we will remove the motor from the mount using the included Allen wrench with the kit. We just need to remove the two bottom screws only the L plate.



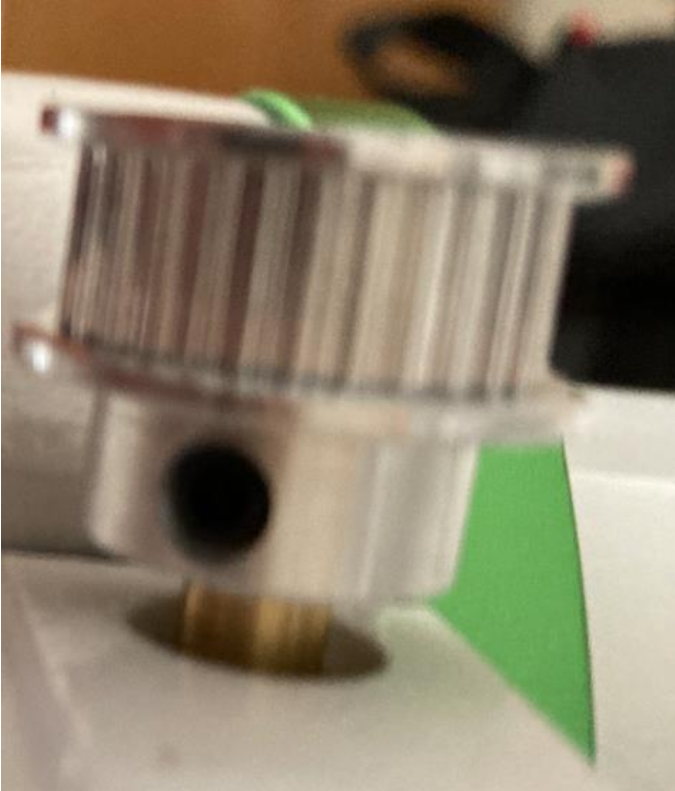
Once the motor is removed wipe off all the grease from the Pinon gear and the motor gear.



Now we want to loosen the small pinion gear from the mount it has two screws holding it on. You can use the included Allen wrench.



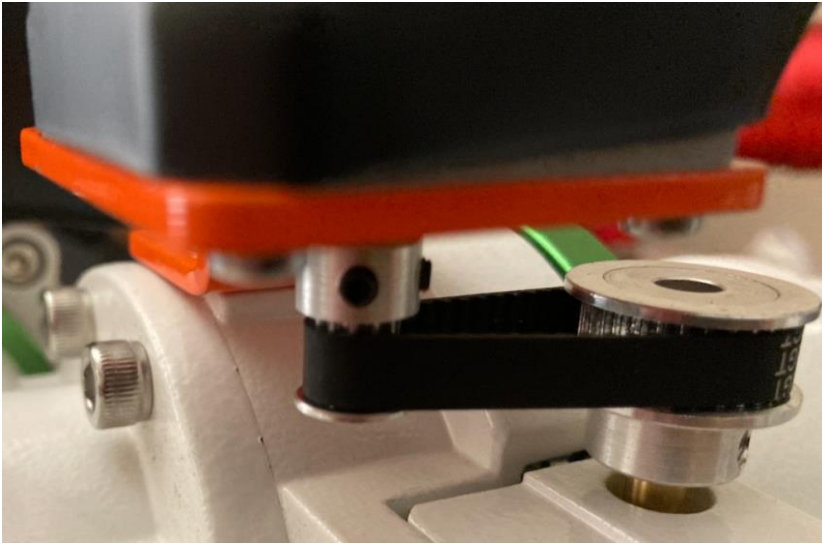
Next install the smaller gear it has two screws just like the original one. Don't tighten all the way just enough to make adjustments as you need to.



Next will install the RA motor which has the two grooves in it make sure the AG logo is pointing up toward you don't tighten down all the way so we can put on the belt



Next install the belt, the easiest way to install is to put on the belt on the small pinion (pinion is on the motor) and slowly rotate it around the main gear and it will slip on, don't force it just slowly rotate it on 360 degrees till it slips on. Then adjust the tension, and the pinion and gear and tighten it all down. The belt shouldn't have any play in it but you be able to pinch it together a bit. **Scroll down for better pictures of the second belt install**



Next uninstall the DEC motor there are two screws

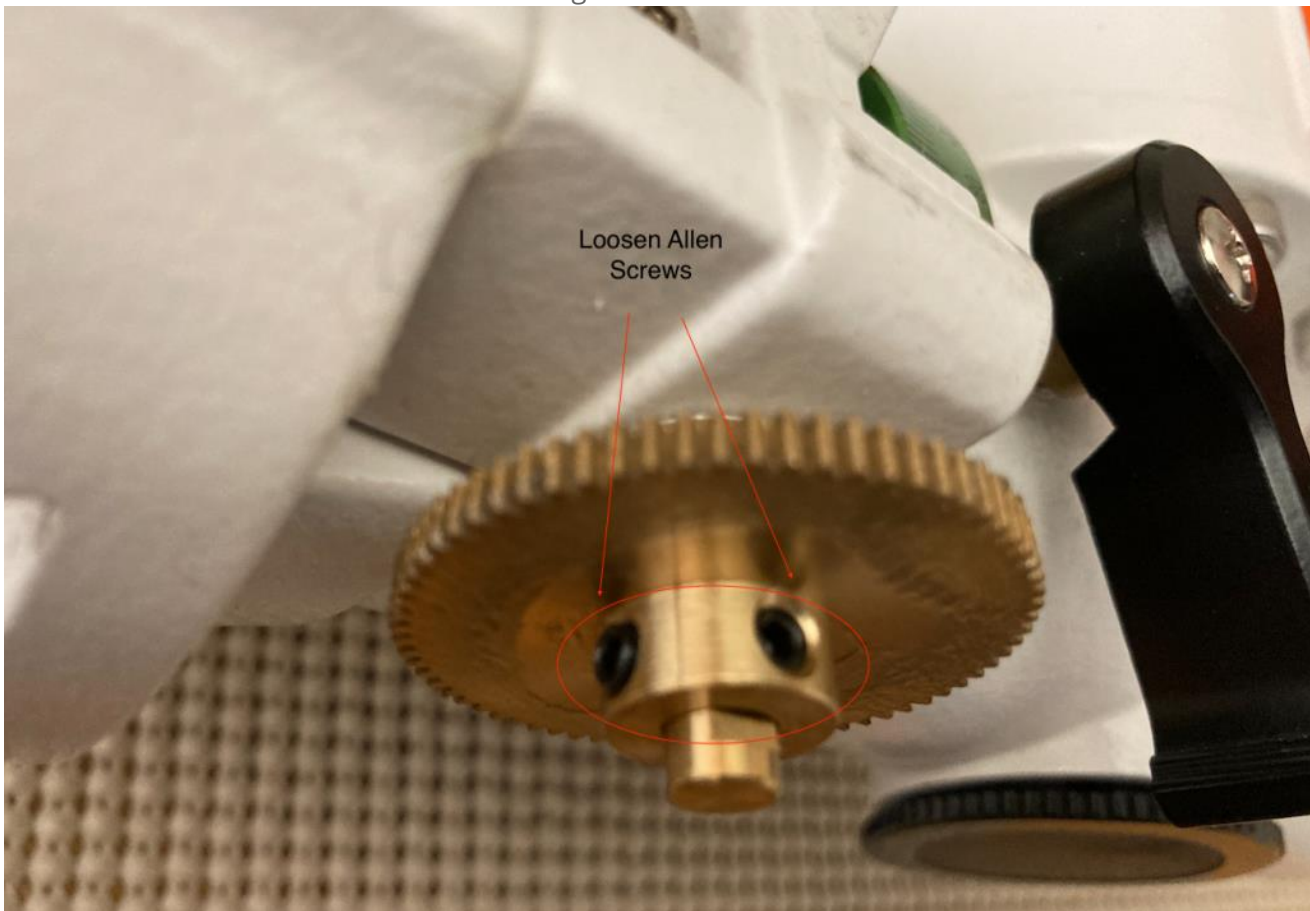




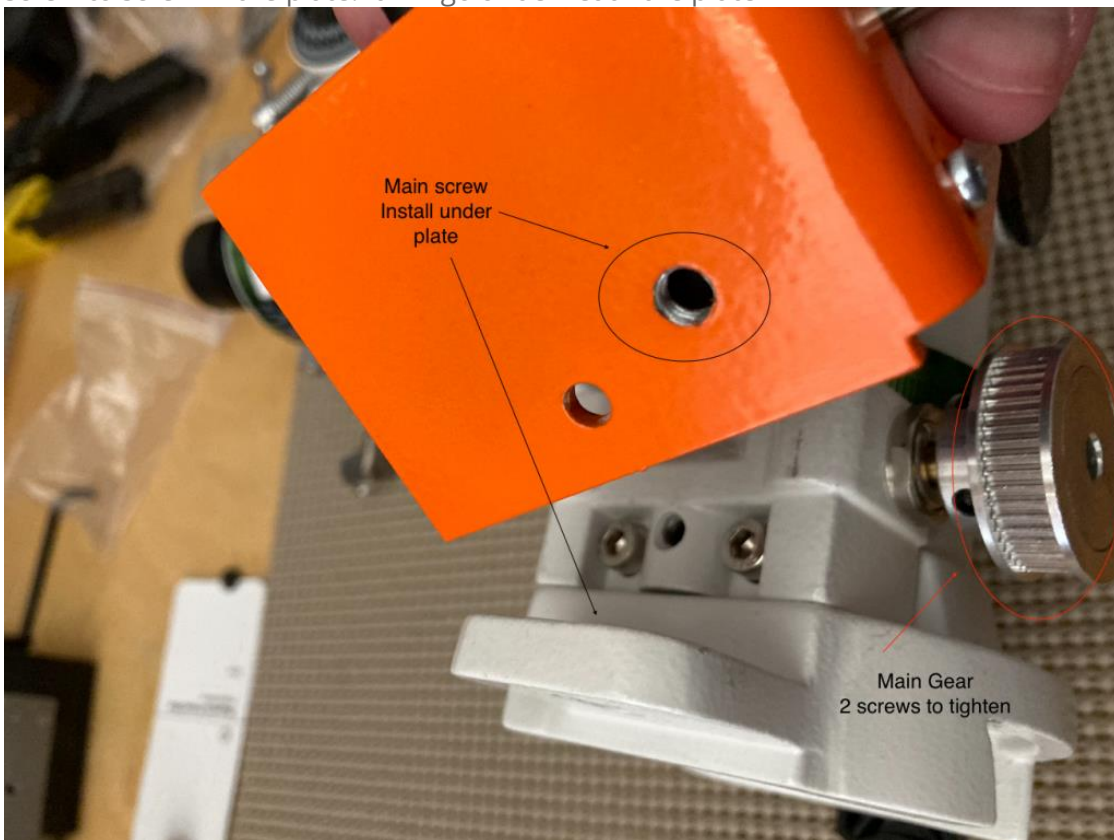
Next we will need to use the #4 Metric Allen Wrench and remove the following screw



Loosen the two Allen screws to remove the gear



Now install the main gear it's the bigger gear included there are two screws. Then use the included larger screw to screw in the plate. It will go underneath the plate





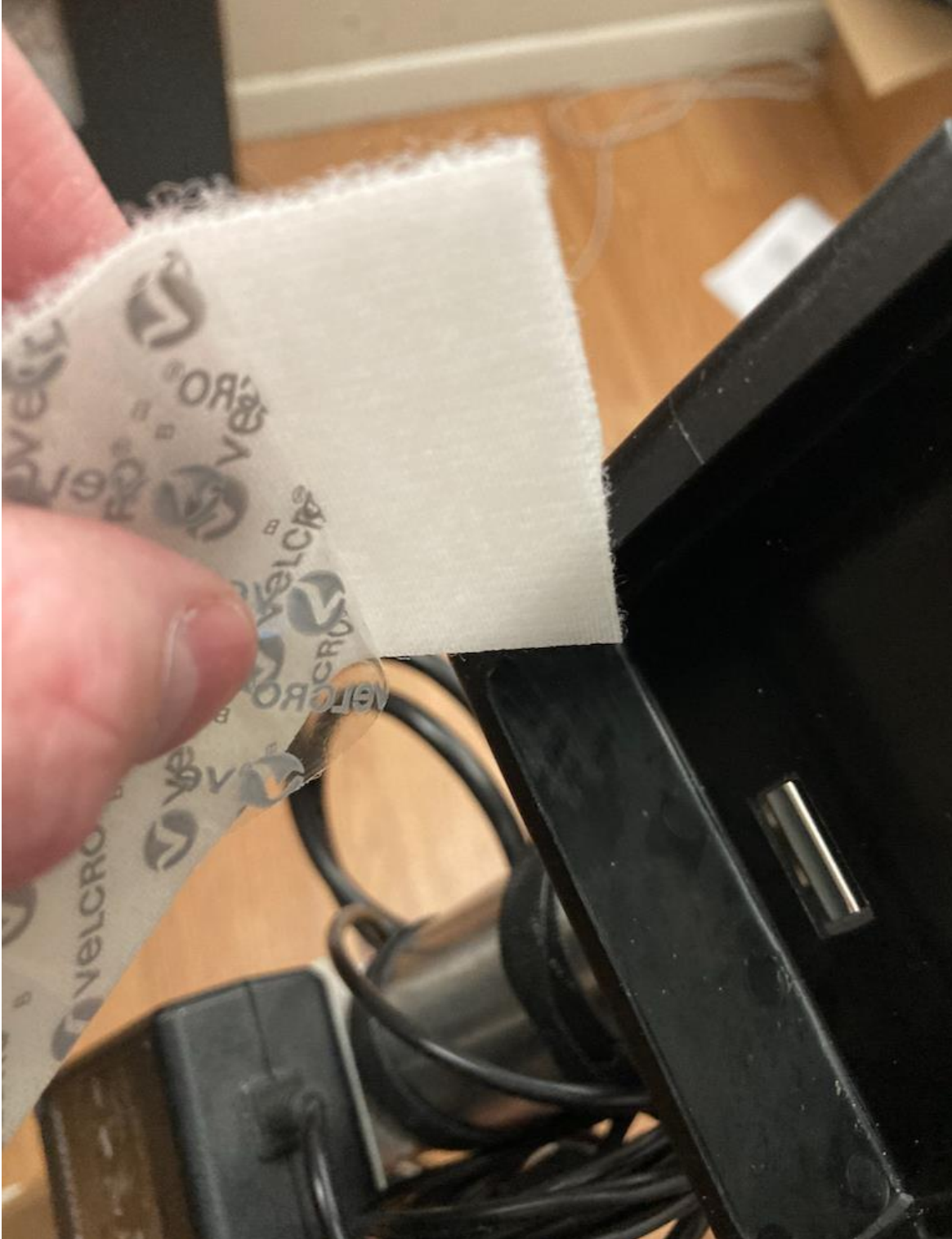
Install the belt and put it on the small pinion (the motor gear) and slowly turn it around the main gear



Tight down the belt so that there is a little bit of tension, and you cannot collapse the belt when you push it together

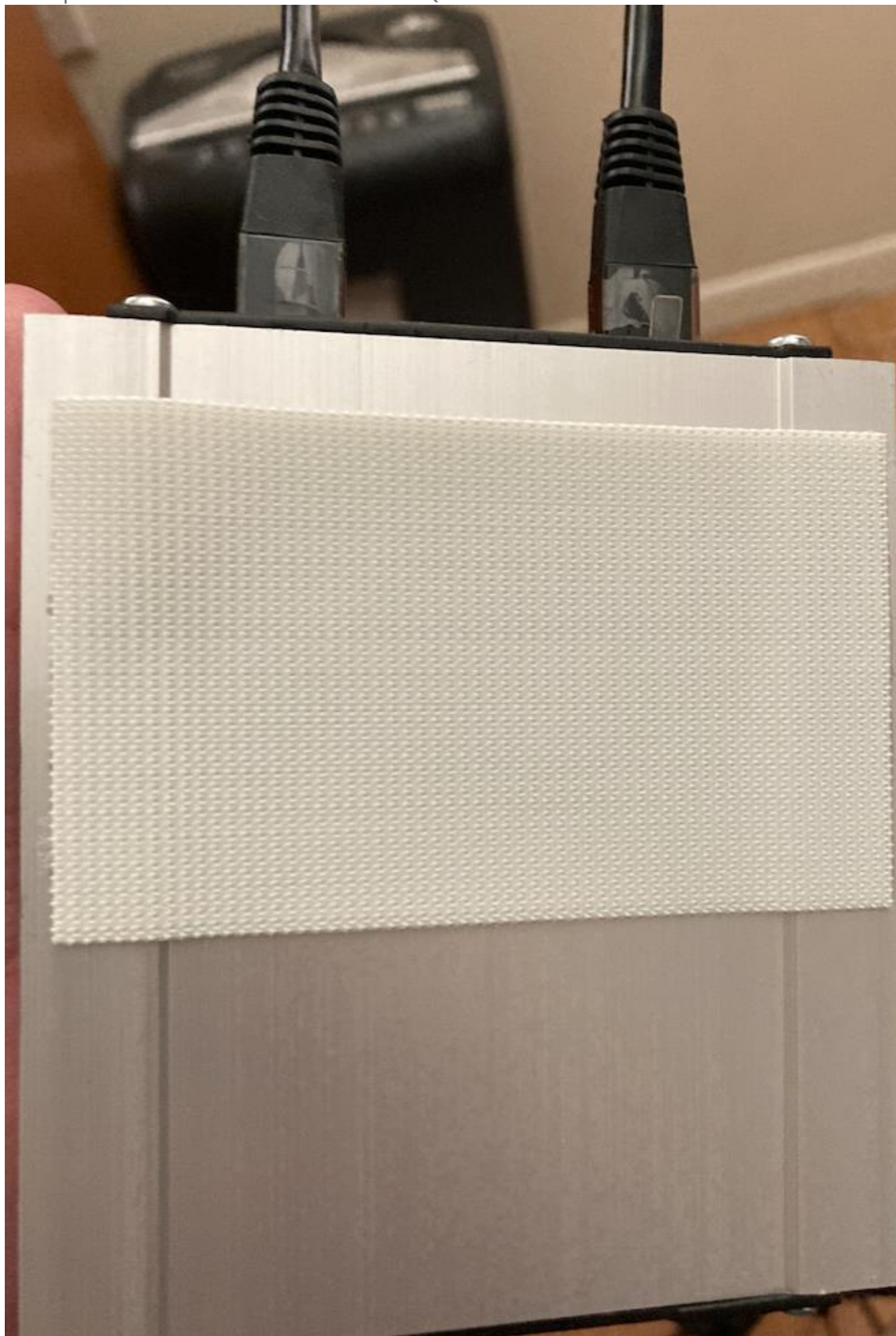


Reinstall the mount and get it back together. Then I installed Velcro across the old sync scan plate and only pulled back about 1/2 an inch of the plastic backing and attached it on the left and right side make sure not to pull it all off as it will catch lots of dirt





Then put a little Velcro behind the new EQStarPro and installed it





Next, I put another piece of Velcro on the EQStarPro and attached my ASIAir Pro



Here is the completed setup

