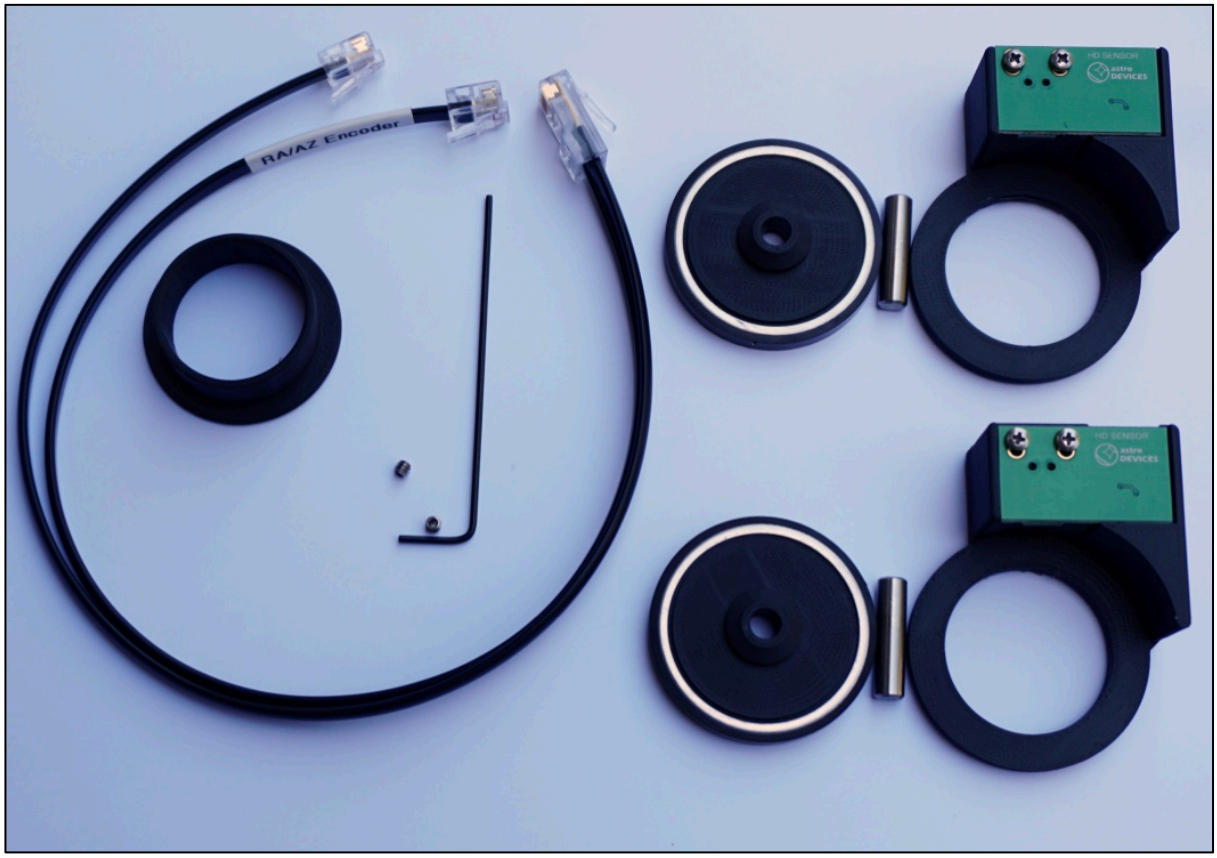
DiscMount DM-6: Encoders Installation

Please make sure that you have all the parts included in the kit:



Encoder resolution: 311296 steps
Current consumption: 20 mA each

This instruction booklet shows the installation procedure for the azimuth encoder. The installation procedure for the second encoder is identical.

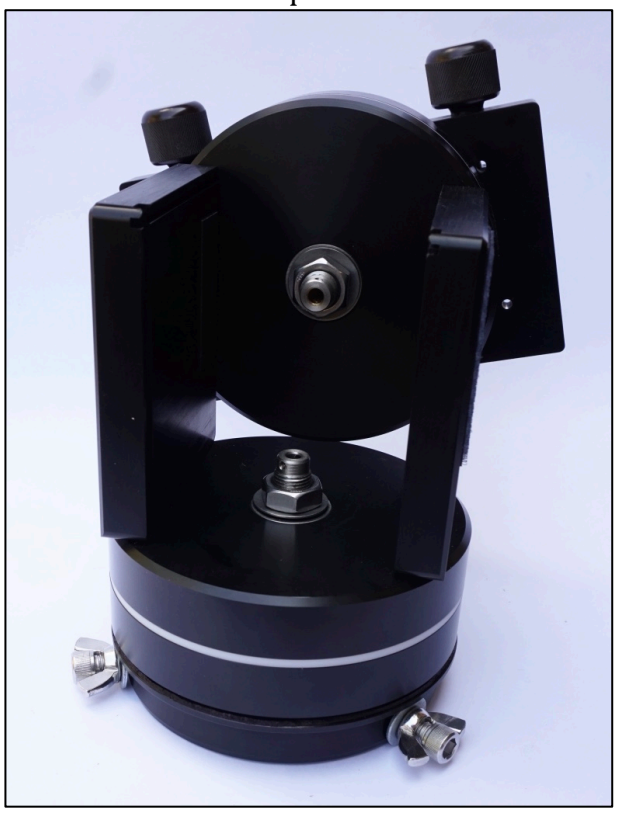
Tools required:

- Allen key (supplied)

Do not subject encoder disks to magnetic fields as it may affect the magnetization of the magnetic multi-pole rings.

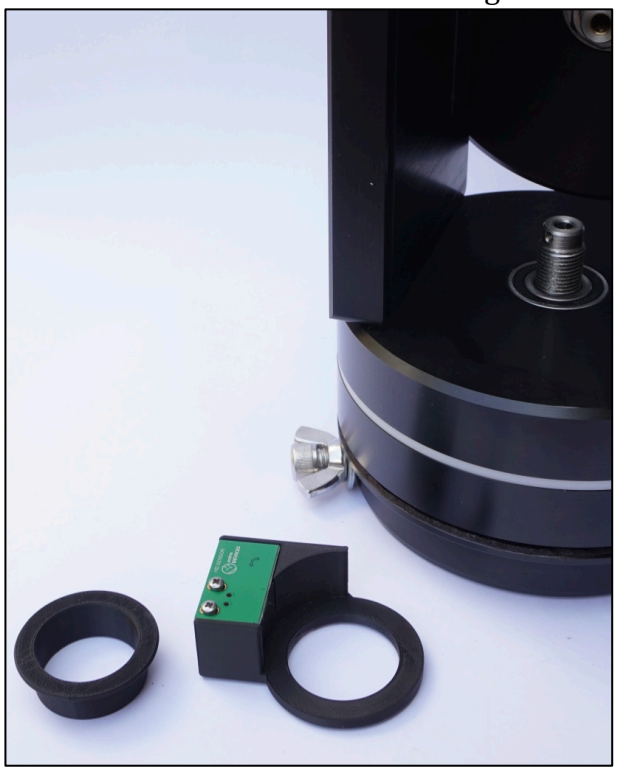
Azimuth encoder installation

Please remove cover plates from the mount

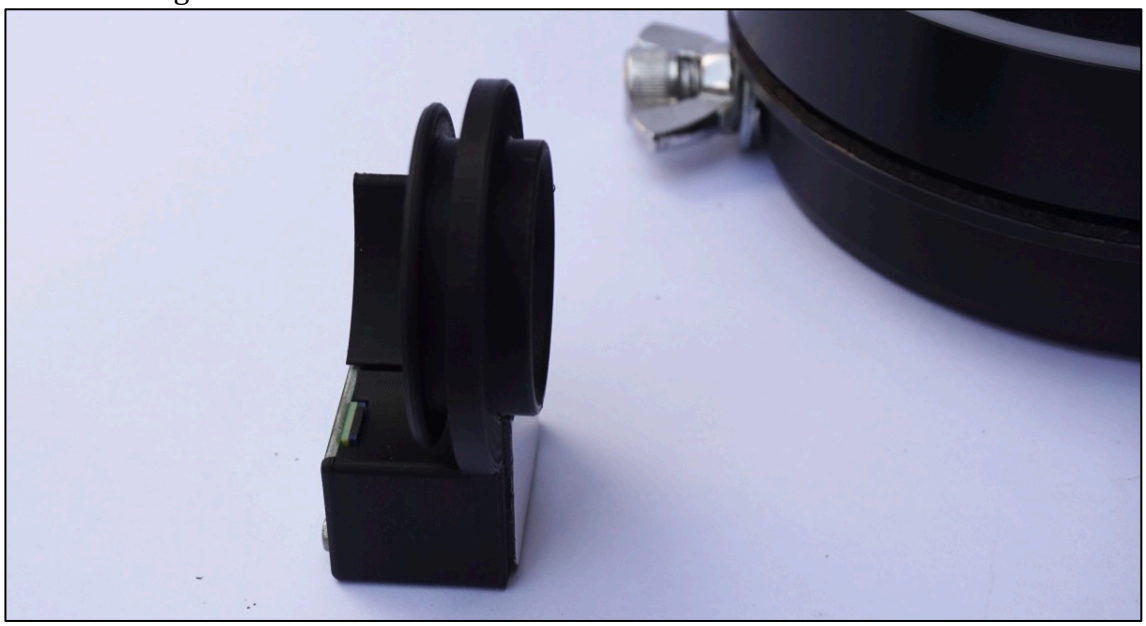


Then remove the nut and the washer

You will need the reader and the alignment tool for the next step



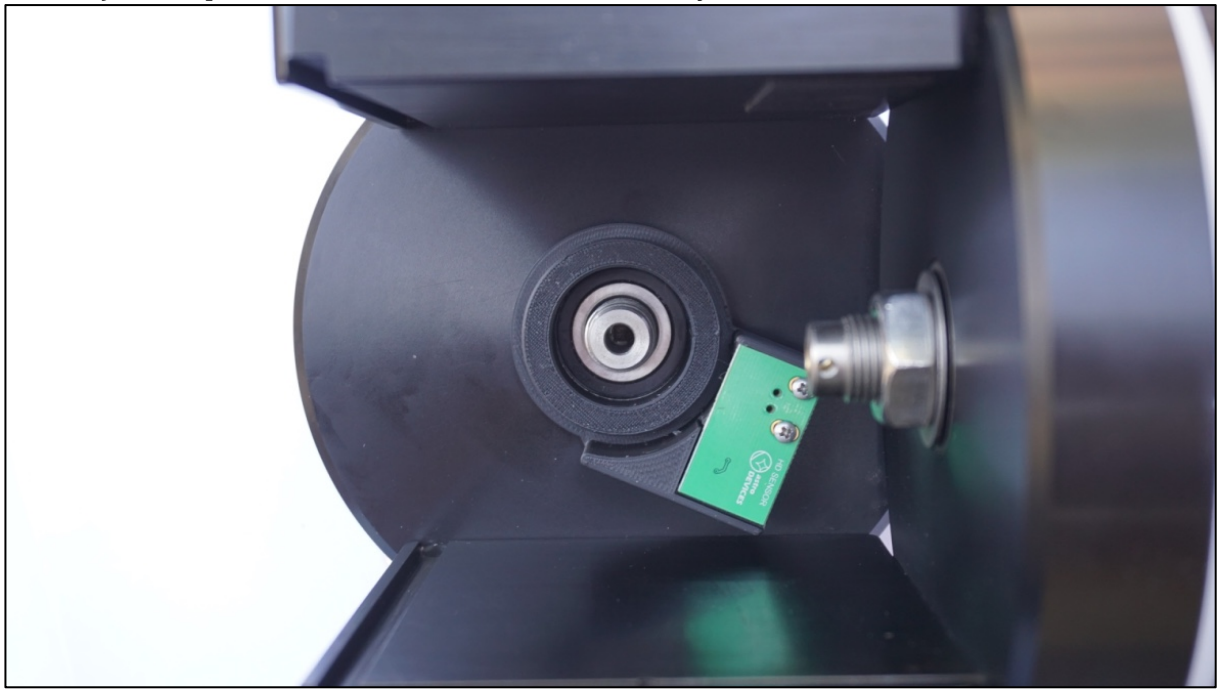
Insert the alignment tool as shown



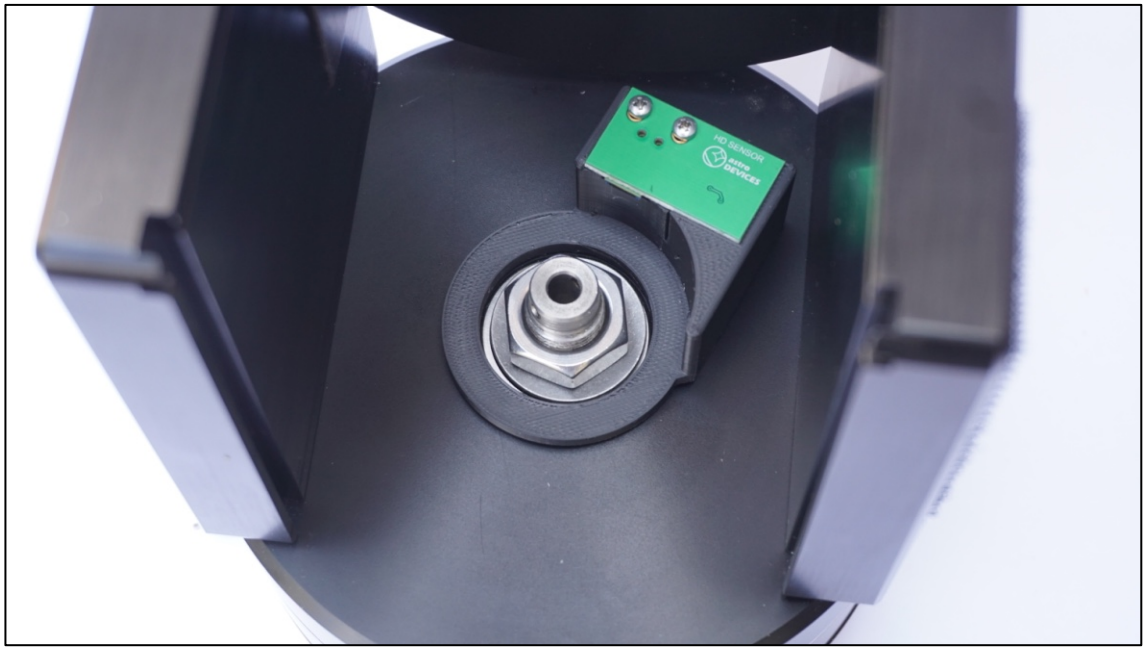
You will need an alcohol wipe for the next step

Clean all the internal surfaces on both disks

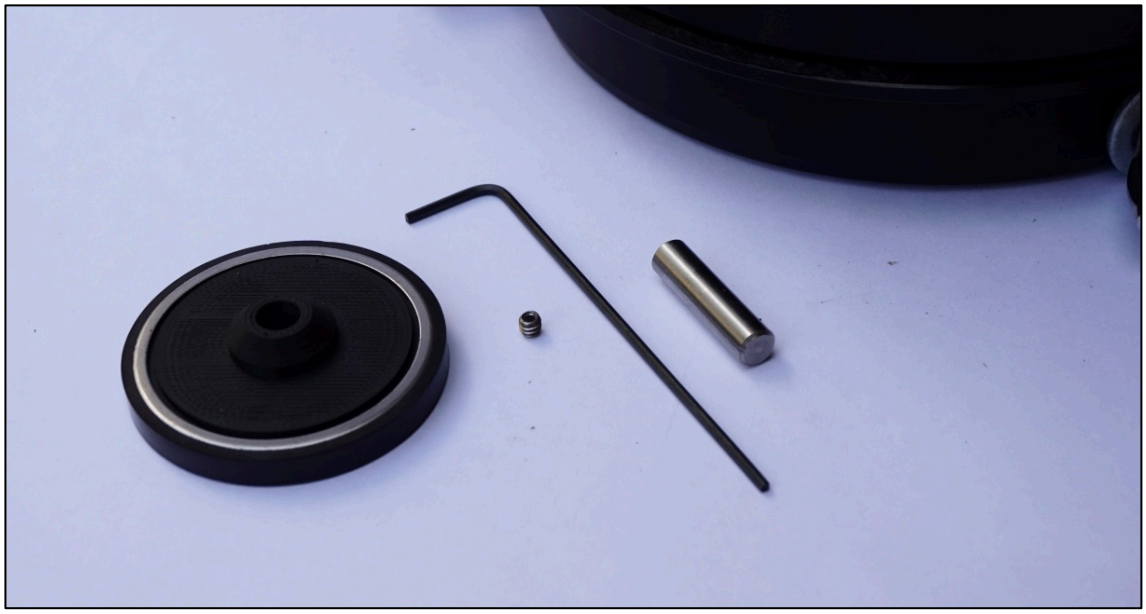
Now remove the protective film from the bottom of the reader to expose the adhesive layer and push the alignment tool with the encoder reader in place in the orientation shown (the encoder jack must point toward the other disk to allow adjusting the friction). Then push the encoder reader down firmly.



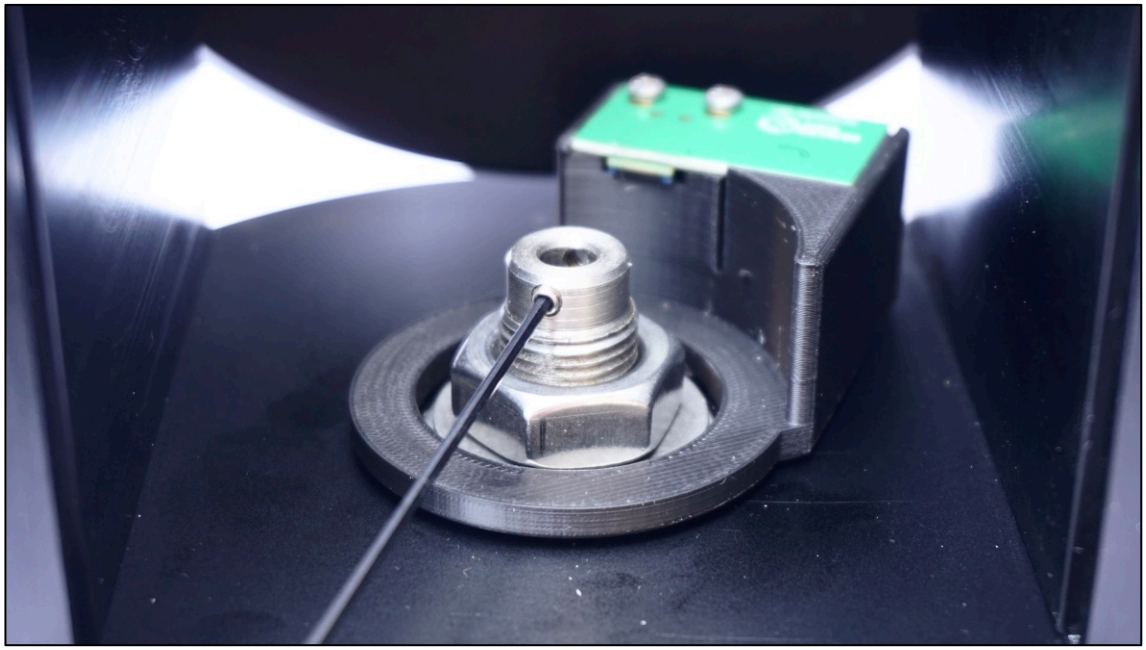
Put the washer and the nut back in place



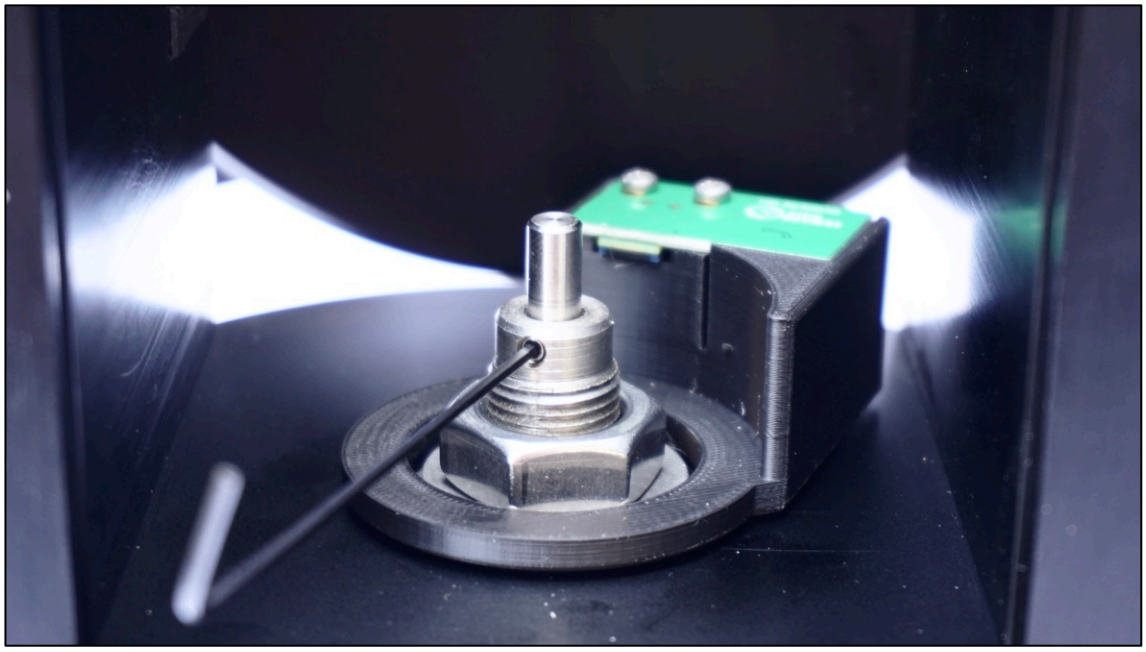
You will need the following parts now



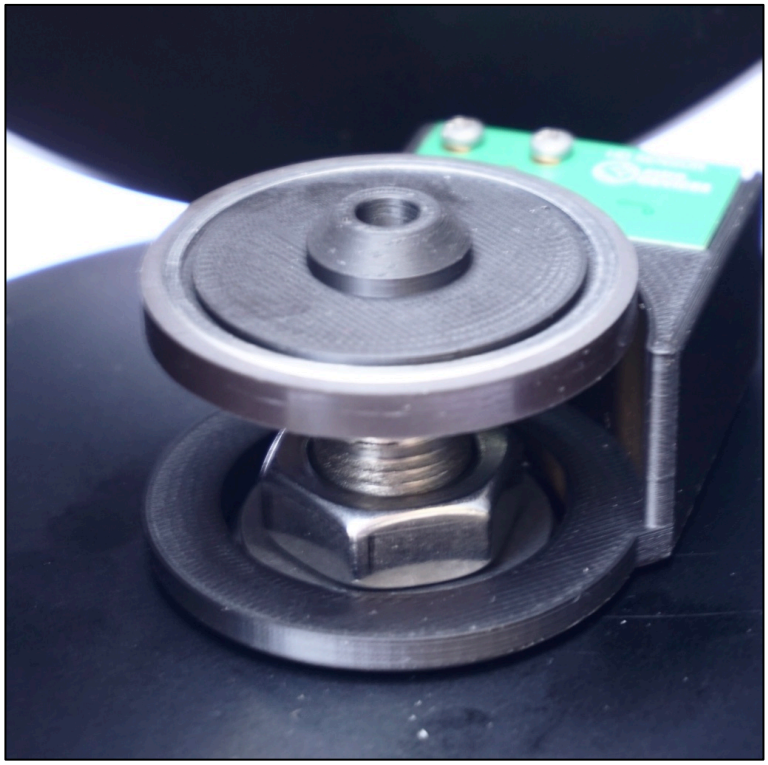
Insert the set screw and make a couple of turns



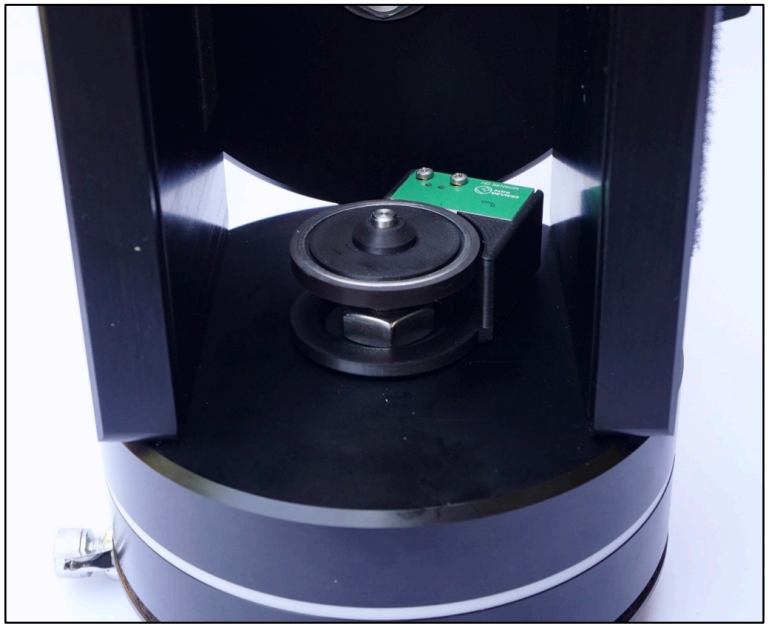
Insert the shaft and tighten the set screw making sure that the shaft sits 10-12mm (1/2” above the shaft)



Now install the encoder disk



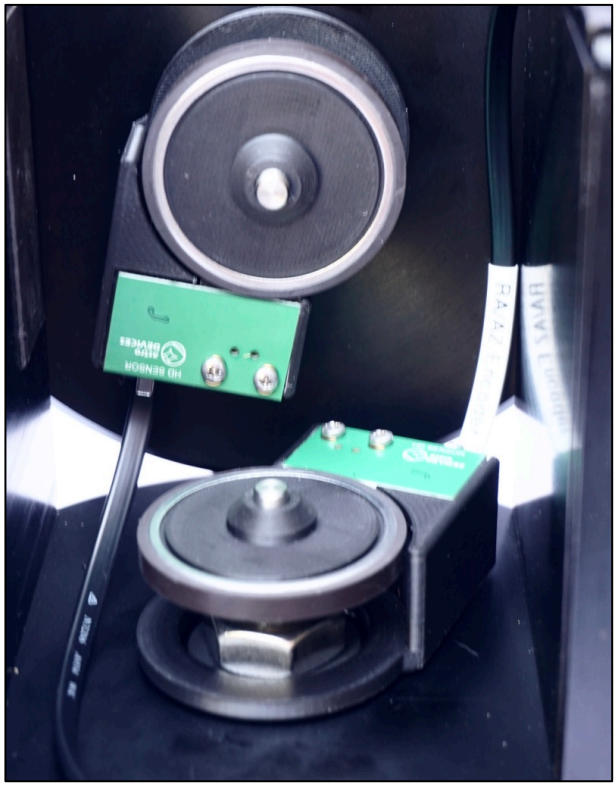
And push it down



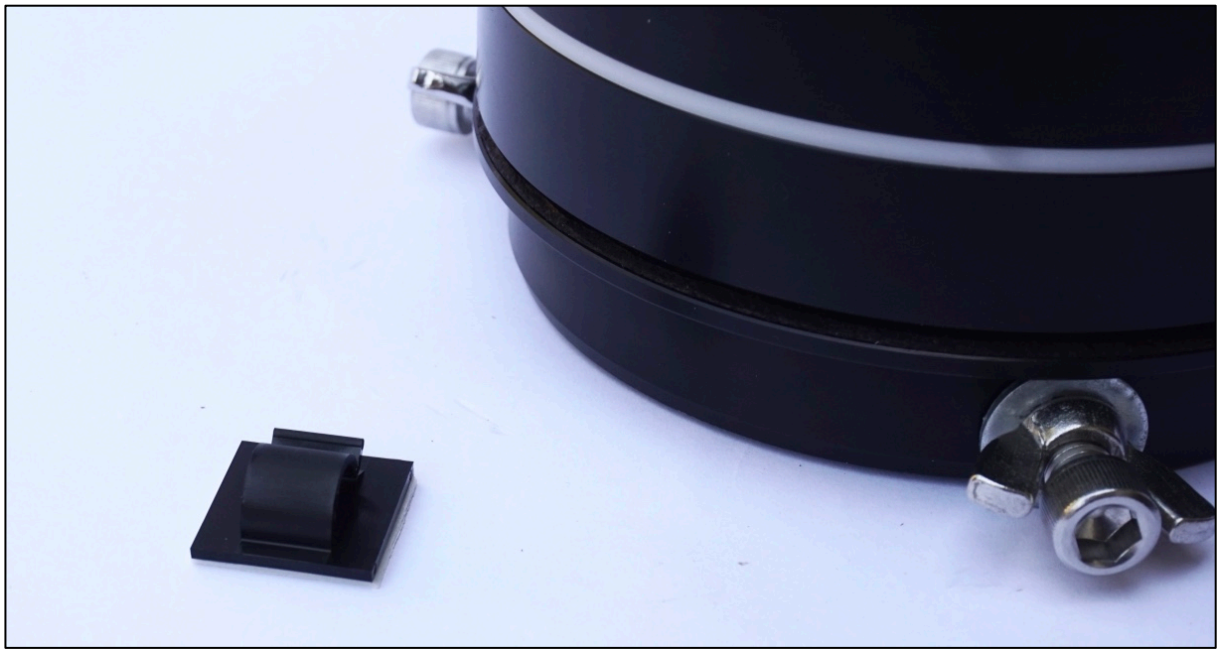
Altitude encoder installation

Repeat the procedure described above to install the altitude encoder.

Connect the encoder cable



Now you need the cable clip



Attach it to the internal surface of the side wall

And insert the encoder cable

Install the side cover plate and then the top cover plate and connect the cable to your DSC.

The installation is now complete. Set the encoder steps in your DSC to 311296 steps for both the altitude encoder and the azimuth encoder.