

Losmandy AZ8: Encoders Installation

Please unpack all parts from the encoder kit. Make sure that your kit contains the following parts:



Encoder resolution: 311296 steps
Current consumption: 20 mA each

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

Tools required:

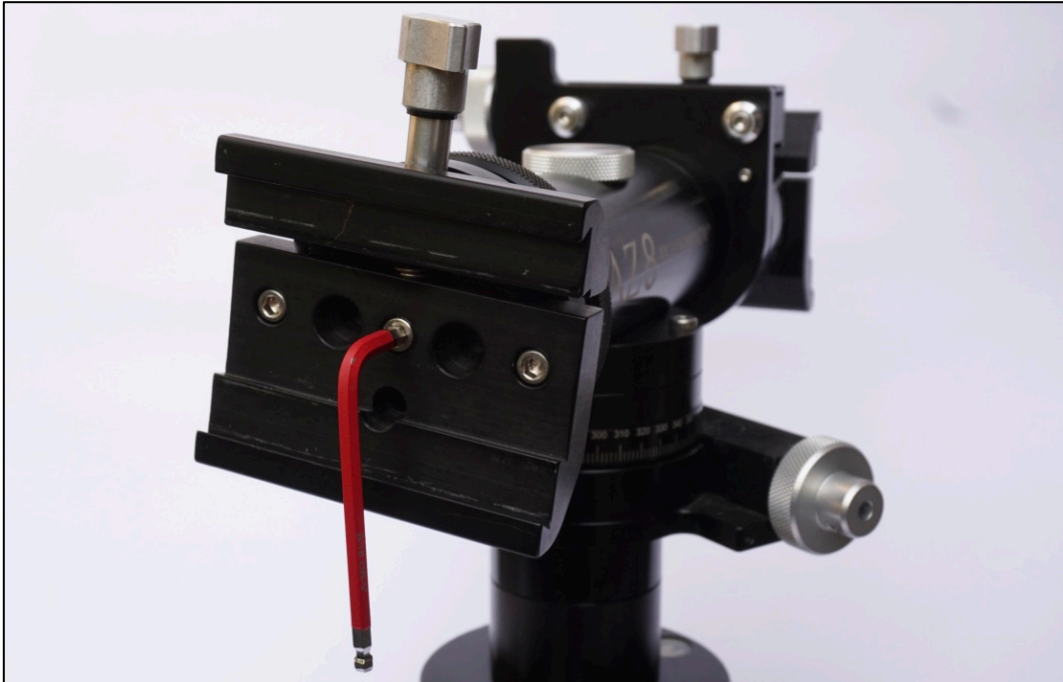
- Allen key (supplied)
- Philips head screw driver (not supplied)



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

Altitude encoder installation

1. Start with removing the dovetail on the side with the clutch adjustment knob – only the central socket head screw needs to be removed:



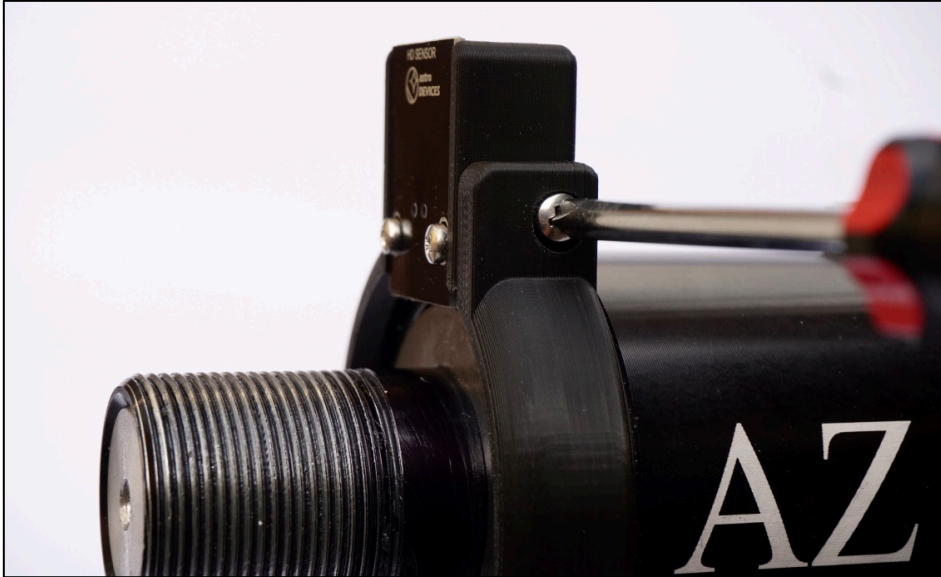
2. Remove the clutch knob, wavy washer and spacer – you will not need the washer and the spacer:



3. Install the encoder reader clamp – slide it over the end and push it all the way in:



4. Tighten the screw:



5. Install the encoder ring:



6. Push the ring all the way in:



7. Then install six pins into the encoder ring:



8. Then slide a washer, thrust bearing and another washer onto the shaft:



9. Tighten three set screws:



Make sure that you do not over-tighten the set screws as this will lead to a deformation of the disk resulting in reduced accuracy.

10. Install clutch knob:





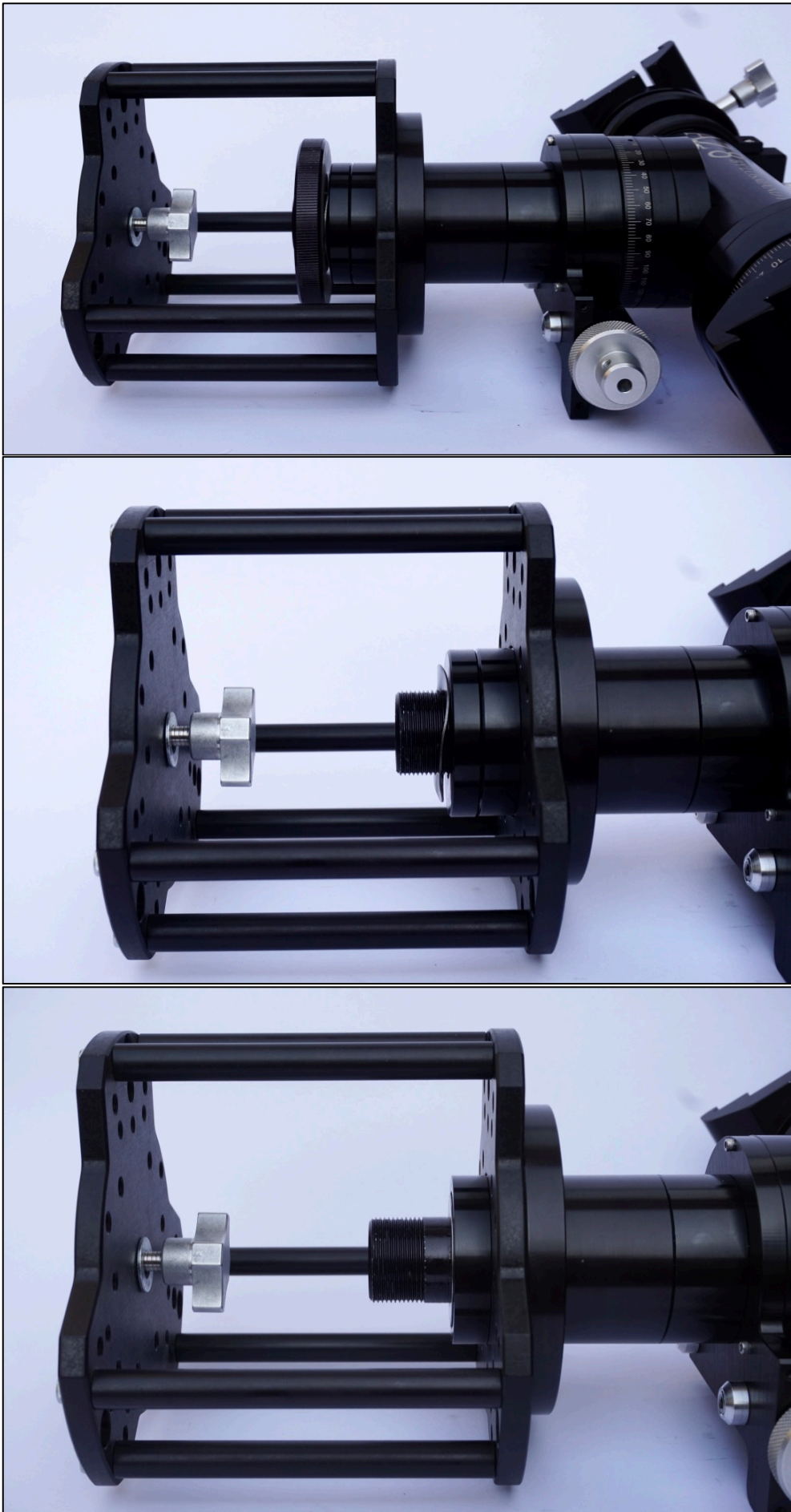
11. Install the dovetail:

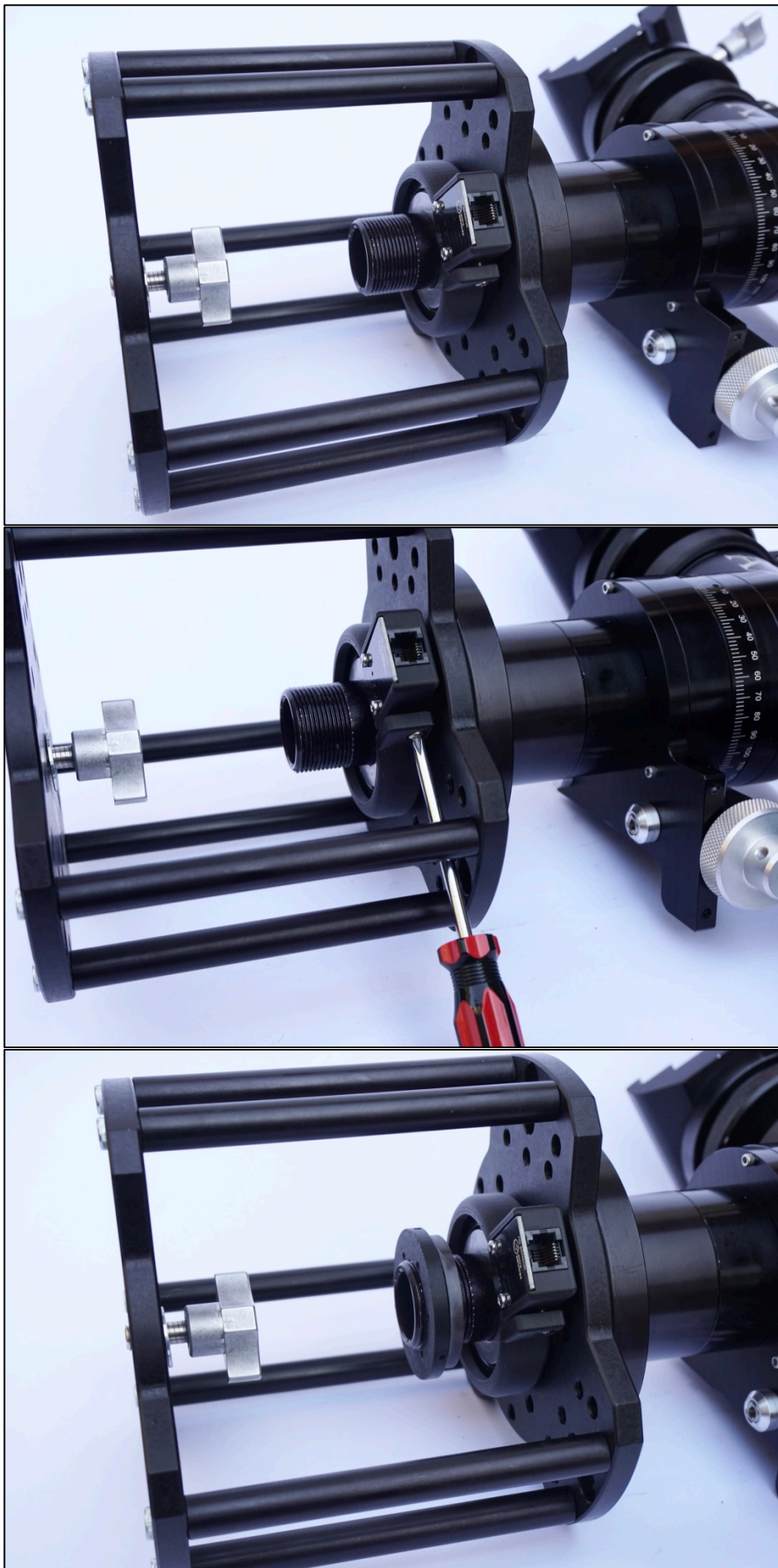


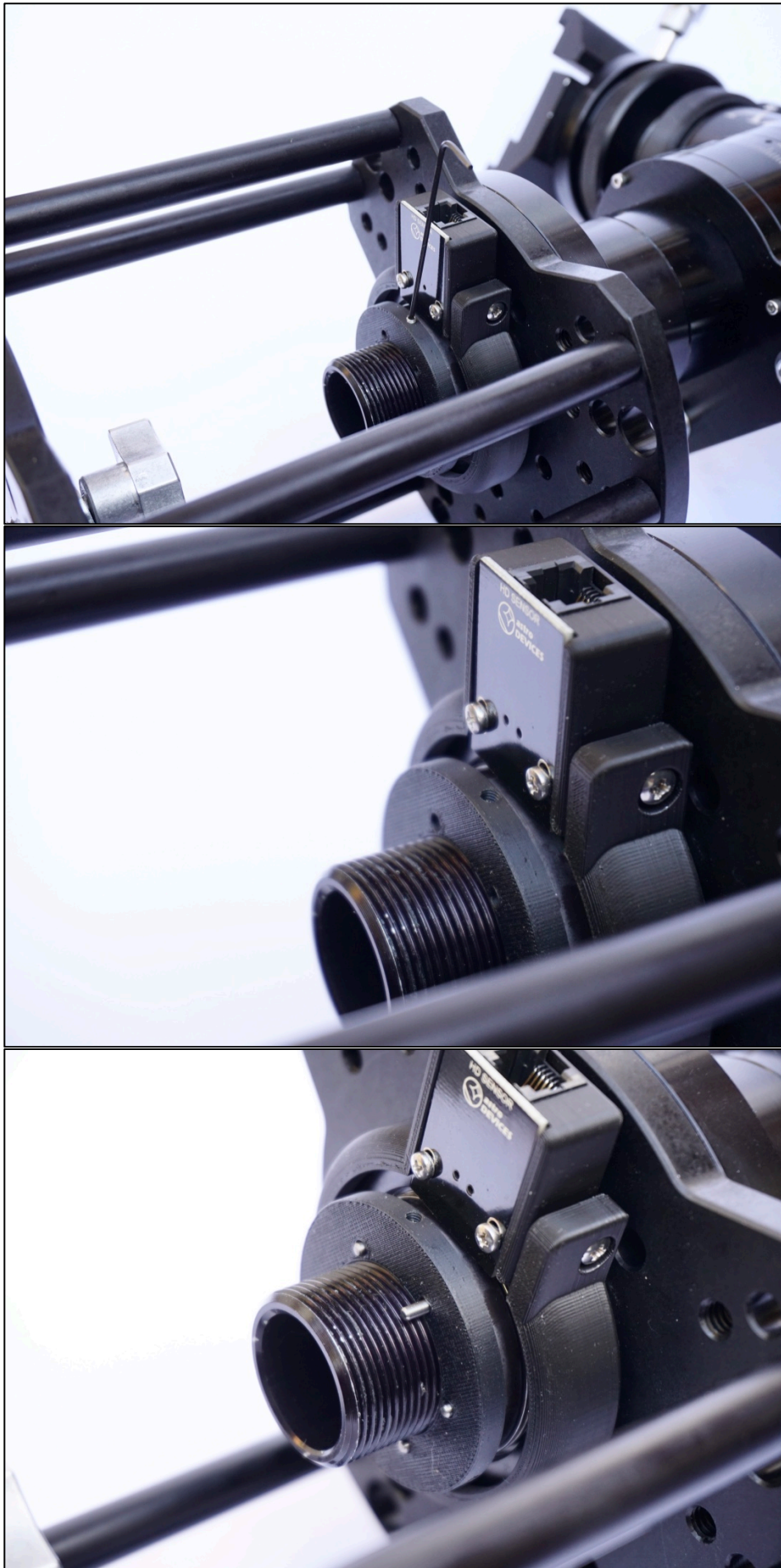
All done for the altitude.

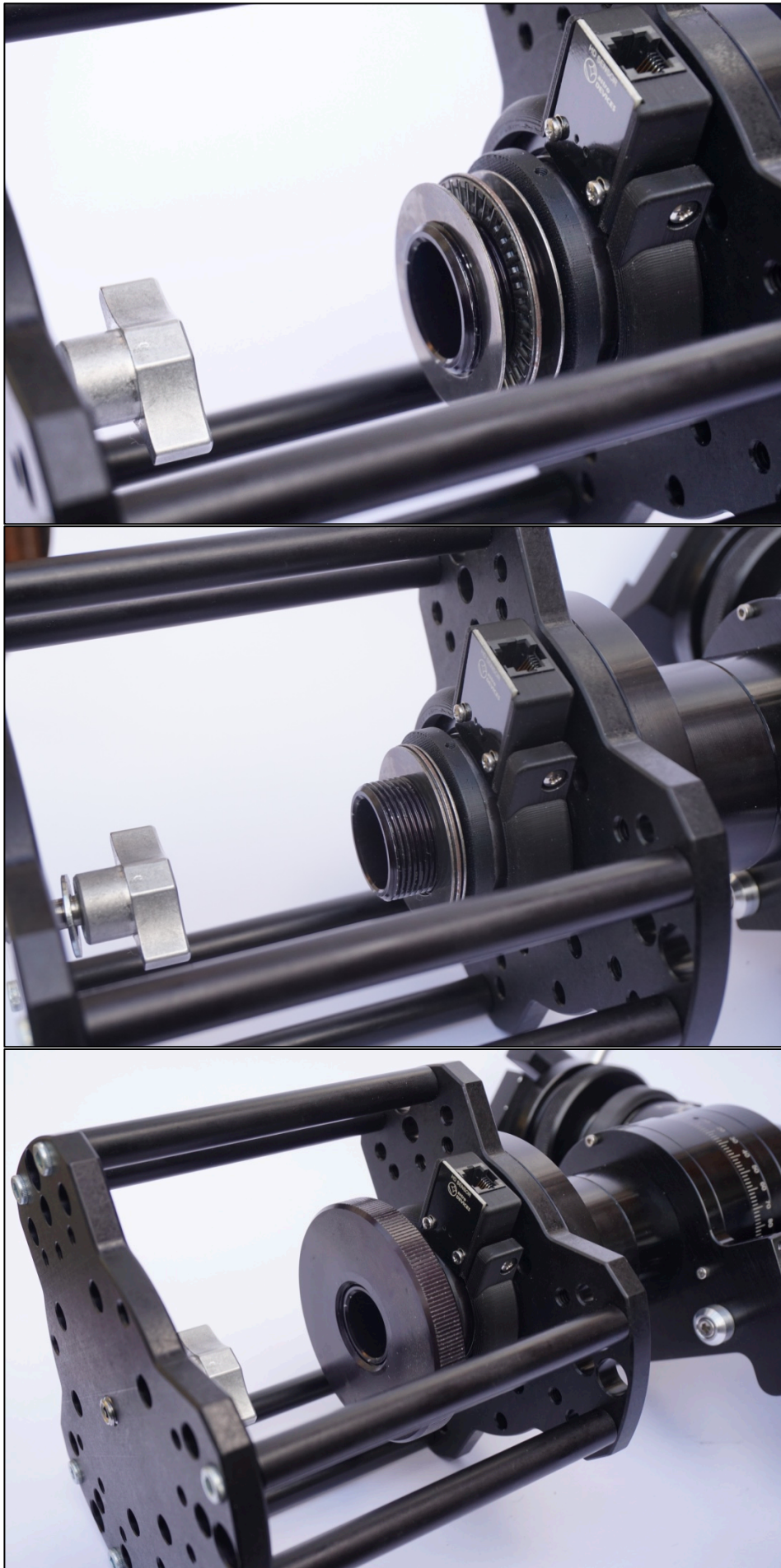
Azimuth encoder

It is a little bit easier to install the azimuth encoder. Please follows the same procedure as for the altitude encoder:









Finished!

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Now insert the encoder cable and connect it to your DSC.



Please do not forget to set the encoder steps in your DSC to 311296!

Enjoy!