

Losmandy GM8 & G-11 (2017+ model): 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.

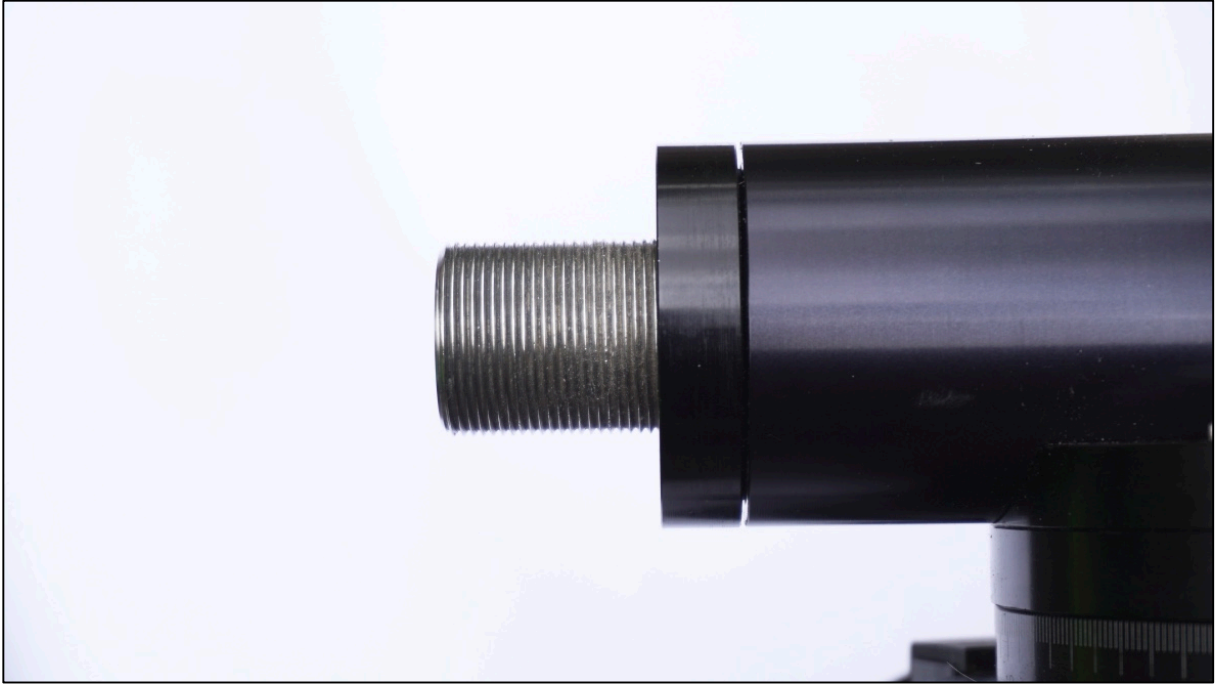
Tools required:

- 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.

1. Start from removing the clutch adjustment knob and all washers and thrust bearings from the shaft:



2. Put the washer, thrust bearing, washer on the shaft:



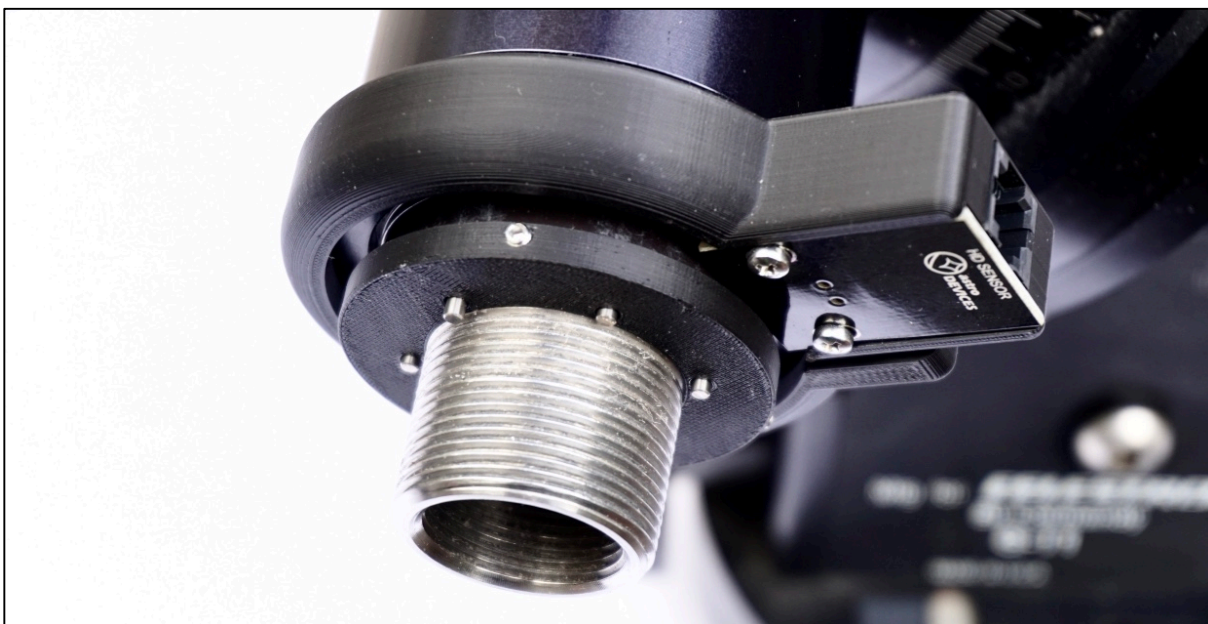
3. Then slide the clamp with the encoder reader over the end of the shaft's housing but do not tighten the clamp yet:



4. Then slide the encoder disk onto the shaft with the magnetic ring facing the washers:



5. Push the disk all the way in and install the pins in the encoder disk.



Please make sure that the disk is not applying too much force and that you can still rotate the shaft.

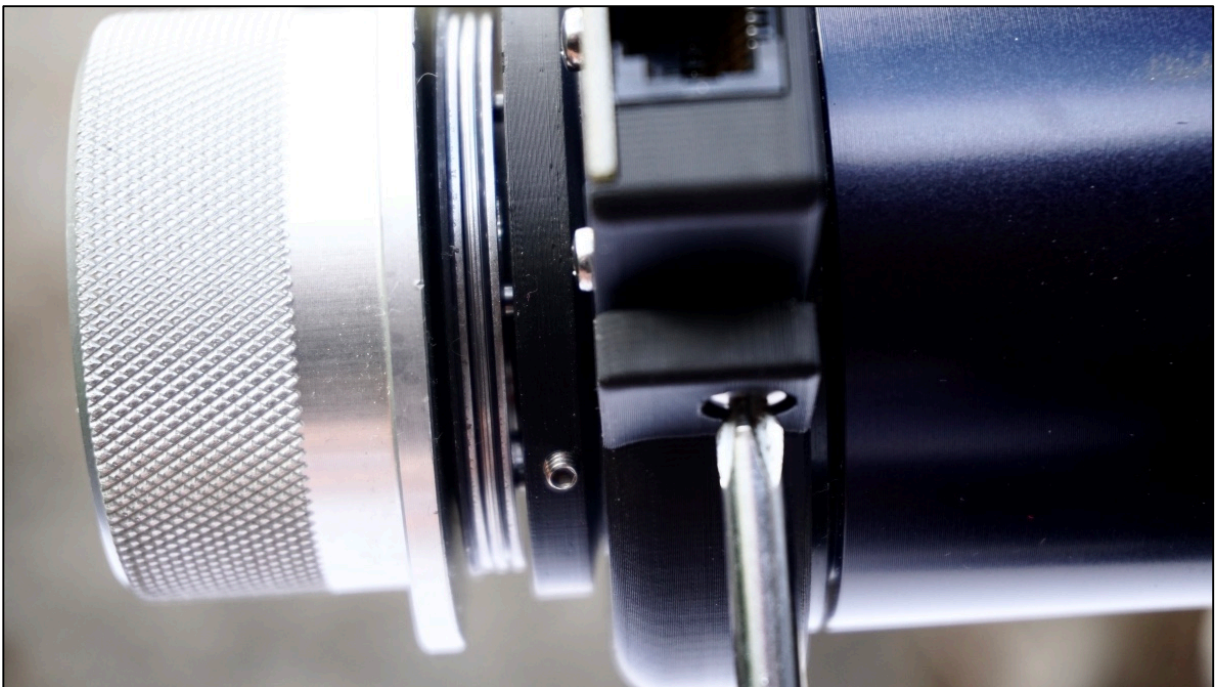
6. Put washer – thrust bearing – washer on the shaft



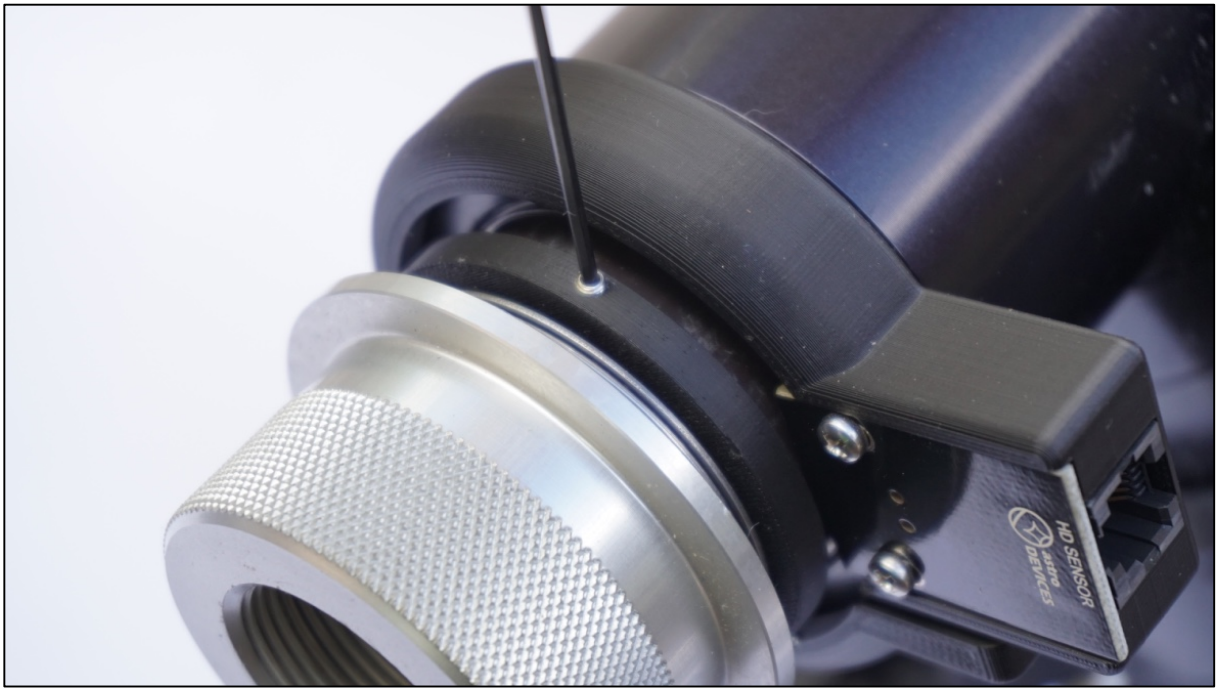
7. Put the clutch knob on the shaft and screw it all the way in but do not tighten it:



8. Tighten the encoder reader's clamp – please do not tighten it too much to avoid damaging the thread:



9. Tighten three set screws located on the encoder disk at 120° apart



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. Tighten the clutch



11. Repeat the same installation procedure for the second encoder.
12. Insert the encoder cable and connect it to the DSC unit.
13. Done!