

Losmandy GM8, G-11 & 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: 25 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. Place the following parts in the order shown:



3. Put the thrust bearing on the shaft:



4. Then put two washers:



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

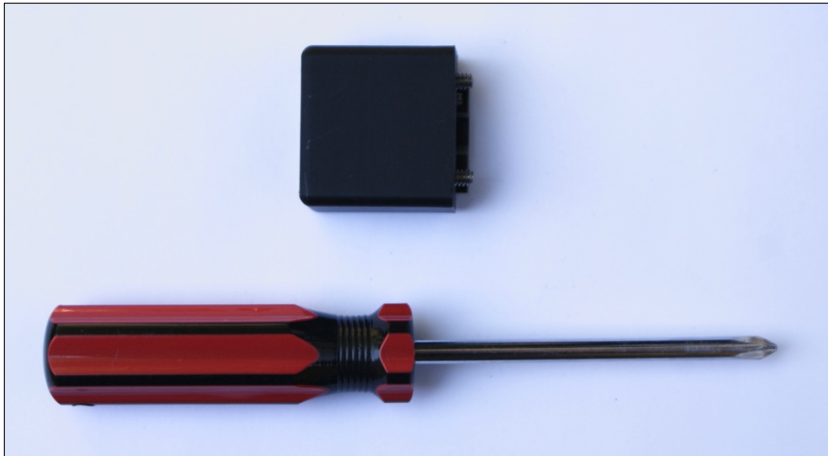


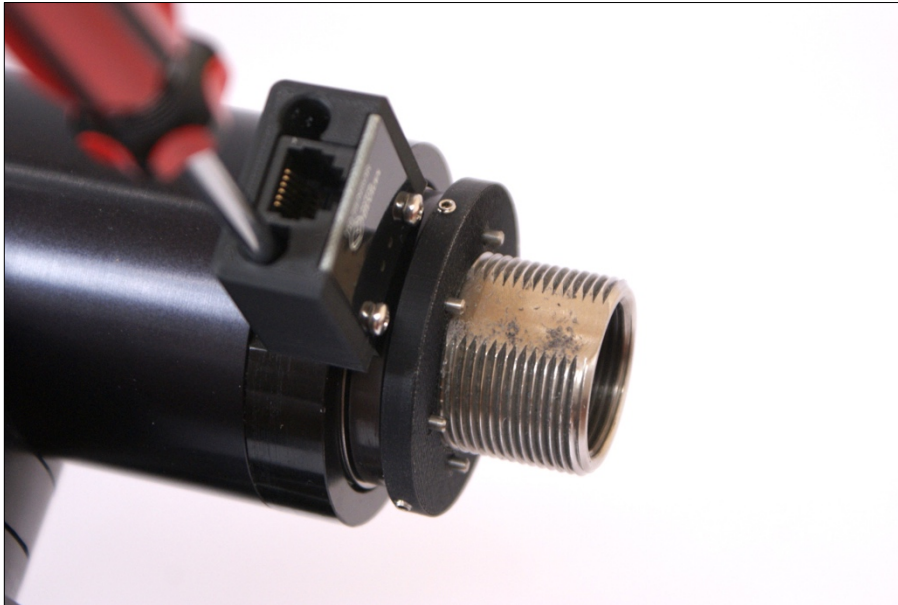
You can remove six pins while you threading the encoder disk.



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

6. Install the sensor





7. 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.

Put six pins back into the holes in the encoder disk if you removed them before.

8. Finish with putting the rest of the parts back onto the shaft:





9. Tighten the clutch



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