

## **Filter wheel adjustment.**

The likely issue with a filter wheel that homes but then slowly loses it's position is a loose grub screw in the drive cog. Follow the instructions to rectify this.

1. Remove the front panel of the filter wheel.
2. Unscrew the central nut holding the main filter wheel on, as indicated in figure 1.

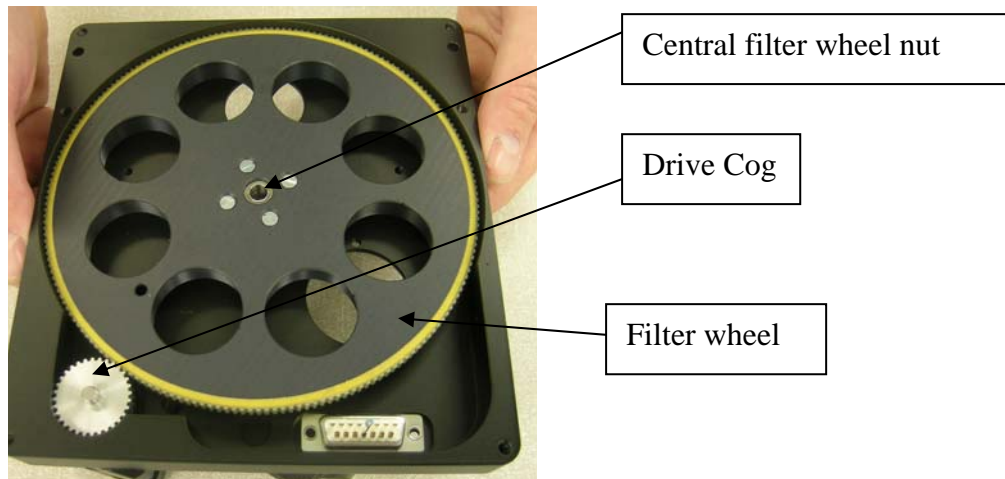


Figure 1

3. Loosen the 4 bolts around the motor housing indicated in figure 2. DO NOT unscrew fully.

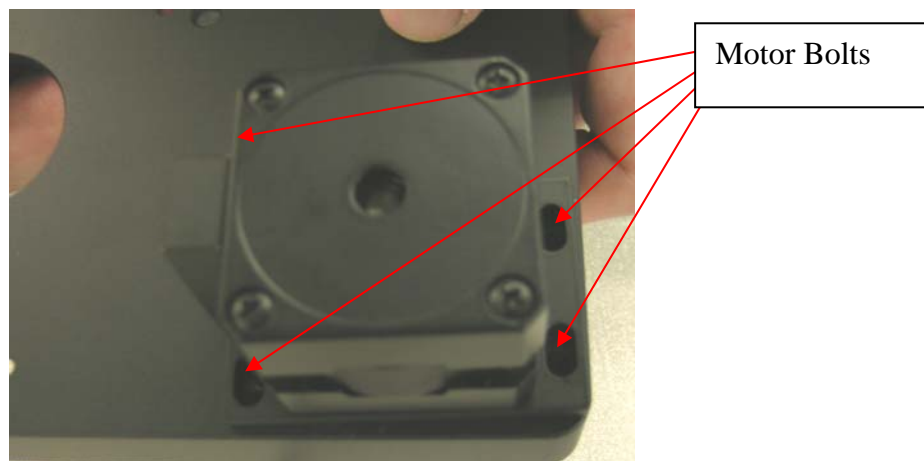


Figure 2

4. Pull the motor away from the filter wheel, this will disconnect the drive cog from the filter wheel.

5. Remove the filter wheel.
6. Tighten the grub screw in the drive cog while it is in position. Figure 3 shows the grub screw in the drive cog.

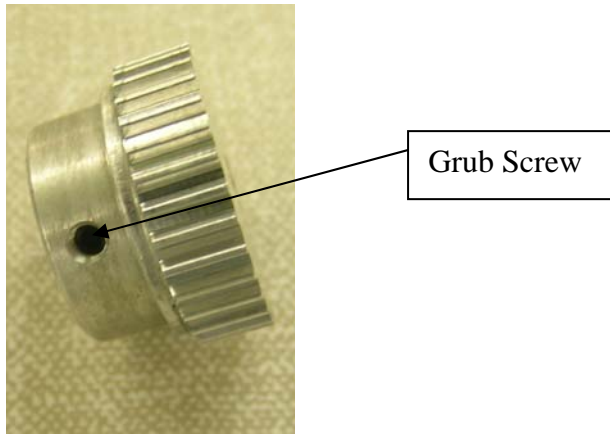


Figure 3

7. Replace the filter wheel.
8. Replace and firmly tighten filter wheel nut.
9. Push motor to filter wheel and gently position the cogs so that they engage.  
DO NOT use excess force, the cog should engage but not be pushed together.
10. Tighten the 4 screws around the motor housing.
11. Replace the front cover.
12. Home the filter wheel.