

## How to collimate the optical axis

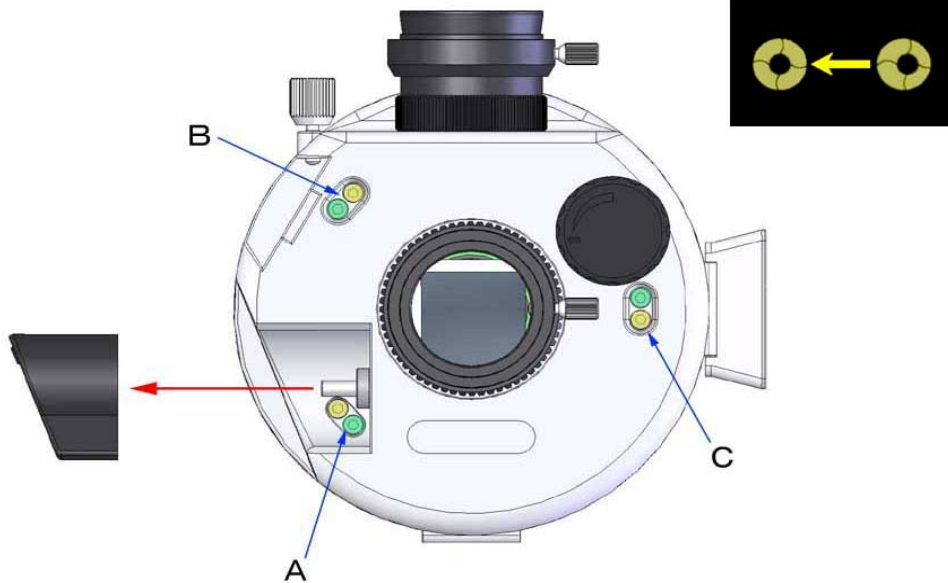
On the back of the tube you will find three pairs of adjusting screws A, B & C (fig.1). The screw pairs B and C are covered with black rubber caps. Screw pair A is behind the flip-mirror lever. In order to adjust these screws you will need to remove the flip-mirror lever by gently pulling it free.

Each pair of adjustment screws comprises a push- and a pull-screw. In fig.1 the push screw is yellow and the pull screw is green. These screws are glued in place. Before attempting to adjust the screws, dissolve the glue with alcohol or paint thinner or similar. Failure to do this may result in damage to the screw heads.

**Fig. 1**



**Fig. 2**



When looking at a de-focused star image, you will see the outline of the secondary mirror in the field of view as shown in fig. 2. If this outline isn't positioned centrally collimation adjustment is necessary.

In order to centre the outline of the secondary mirror, tighten the push screw (or screws) next to the off-centre image. In fig. 2 above, this means adjusting push screw C.

If you can't tighten the push screw any further, loosen the associated pull screw or loosen the push screws on the opposite side.

Begin collimation with a low power eyepiece and continue adjustments with a higher power eyepiece for fine tuning.