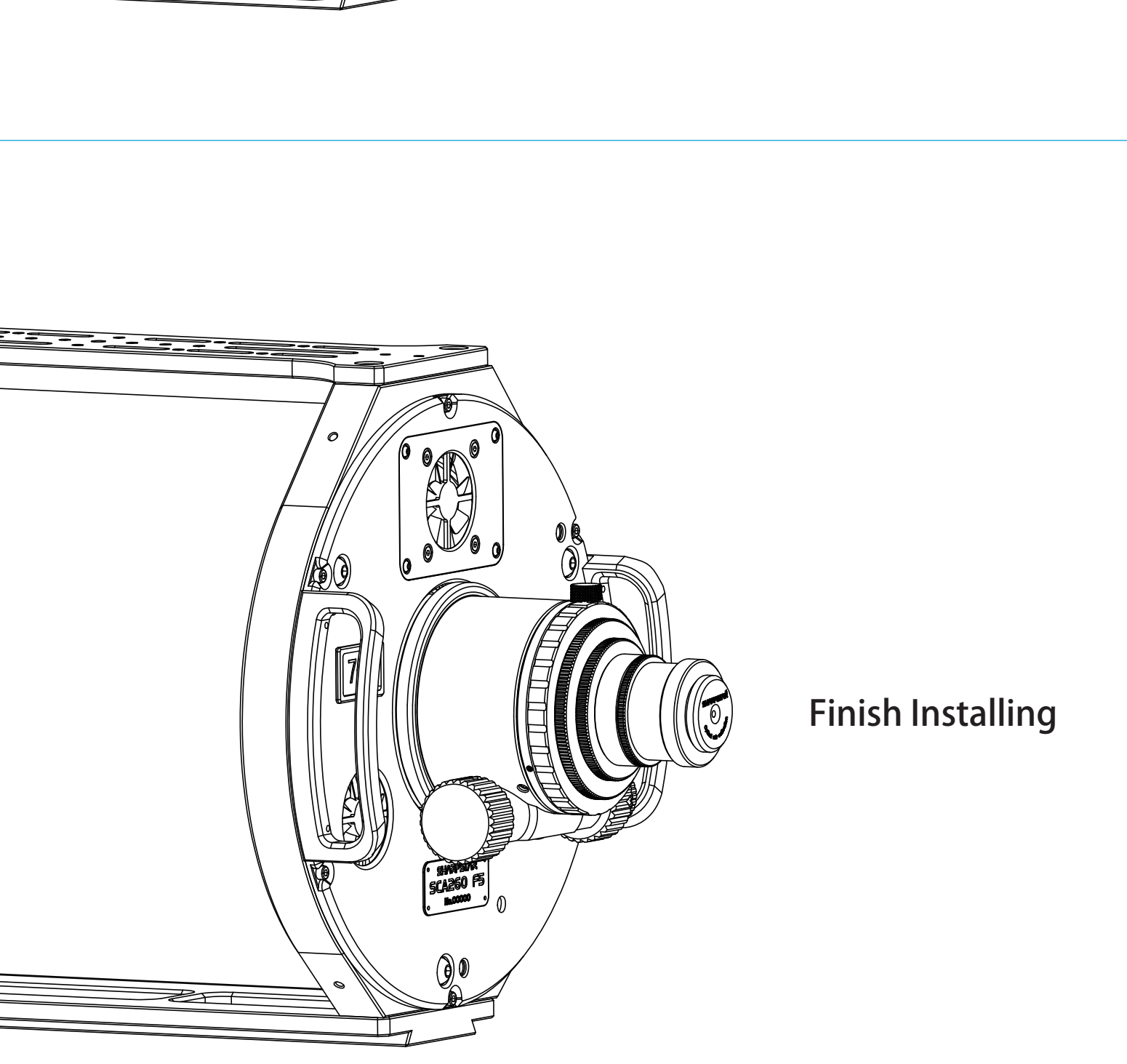


SHARPSTAR

Instruction Manual for Sharpstar SCA260F5 Collimation

Thank you for choosing Sharpstar astrographs
Please carefully read the instructions for adjustment before usage
(Tool you need to prepare: M48×0.75 to 1.25 adapter)

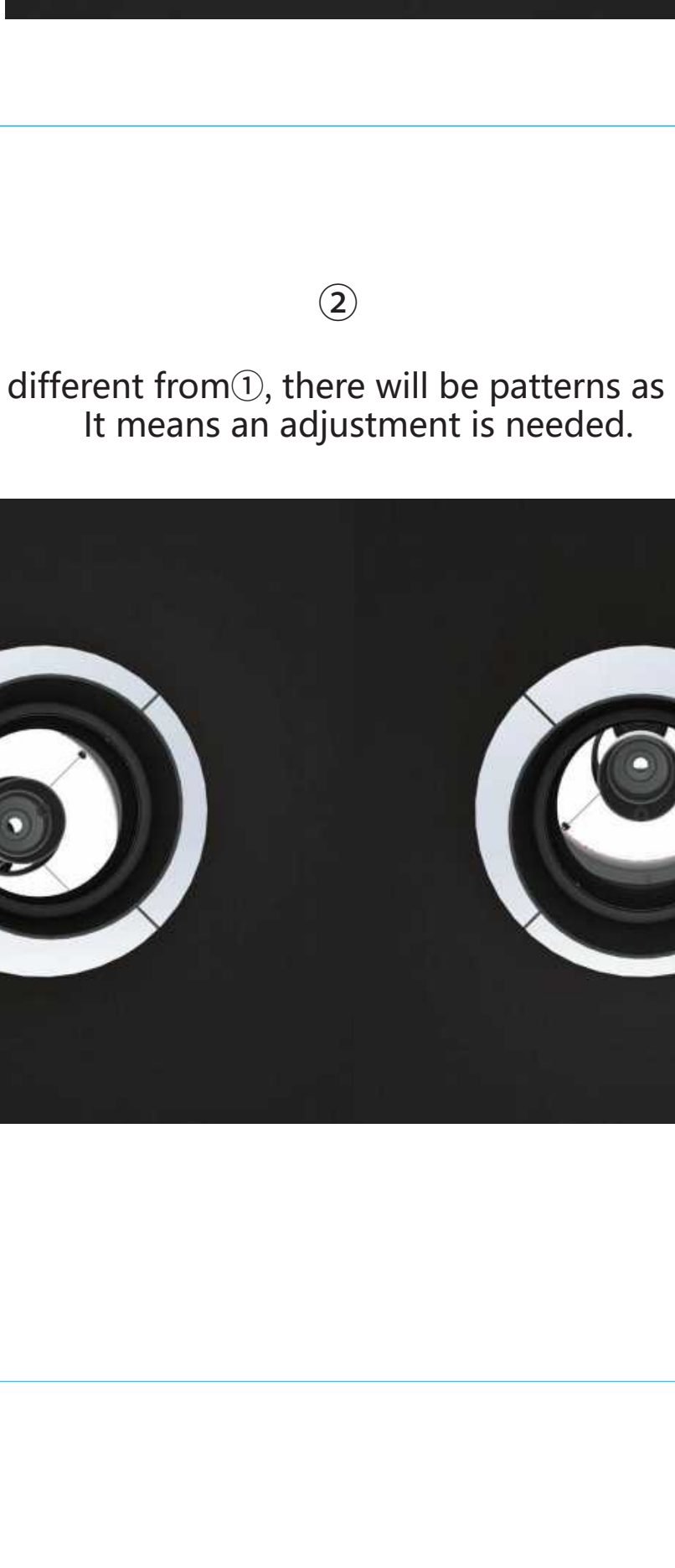
1. Install the Collimation Eyepiece



2. Collimation of the Secondary Mirror

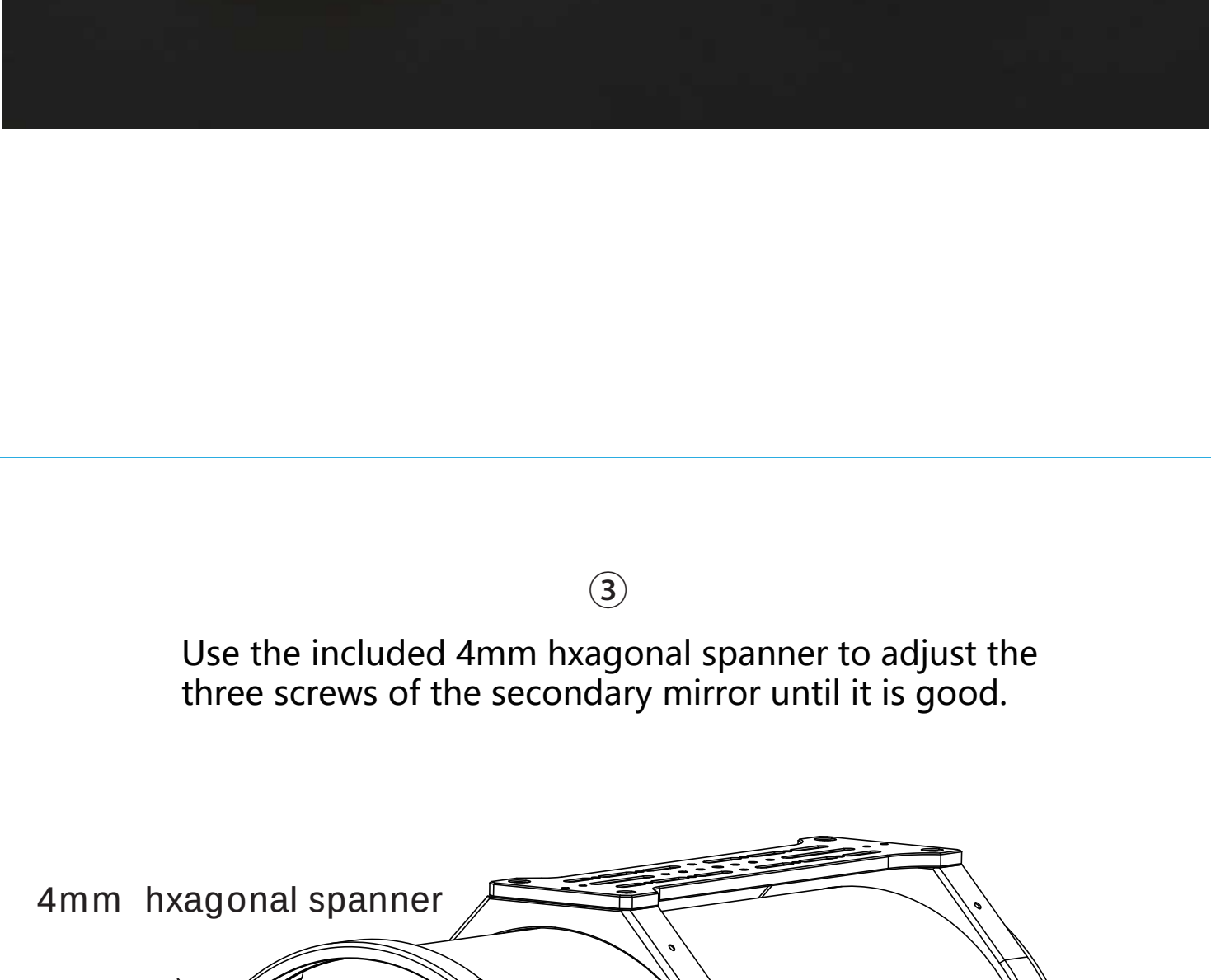
①

Observe through the eyepiece, and you will see as follows: (If different, go ③.)



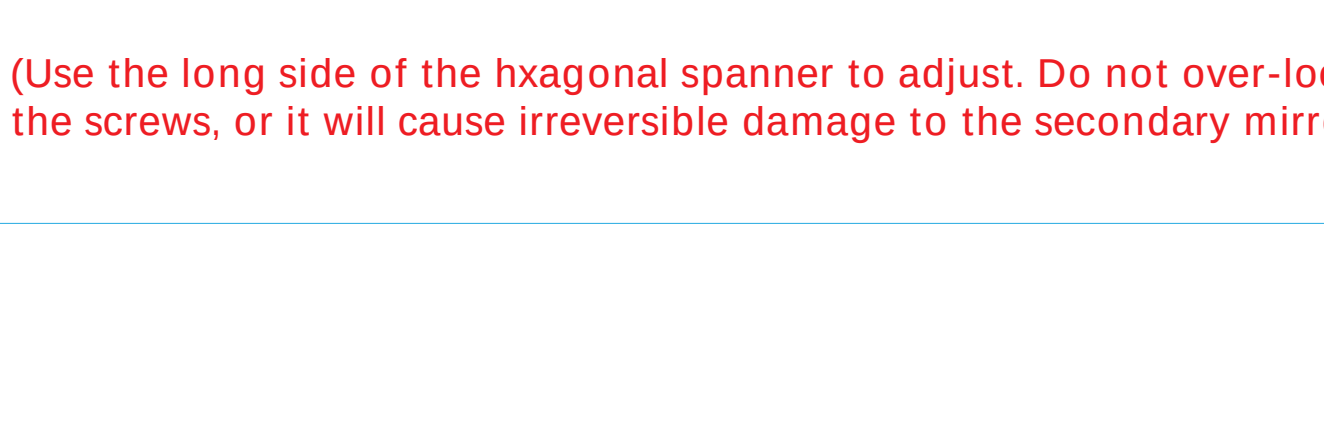
②

If it is different from ①, there will be patterns as follows.
It means an adjustment is needed.



③

Use the included 4mm hexagonal spanner to adjust the three screws of the secondary mirror until it is good.

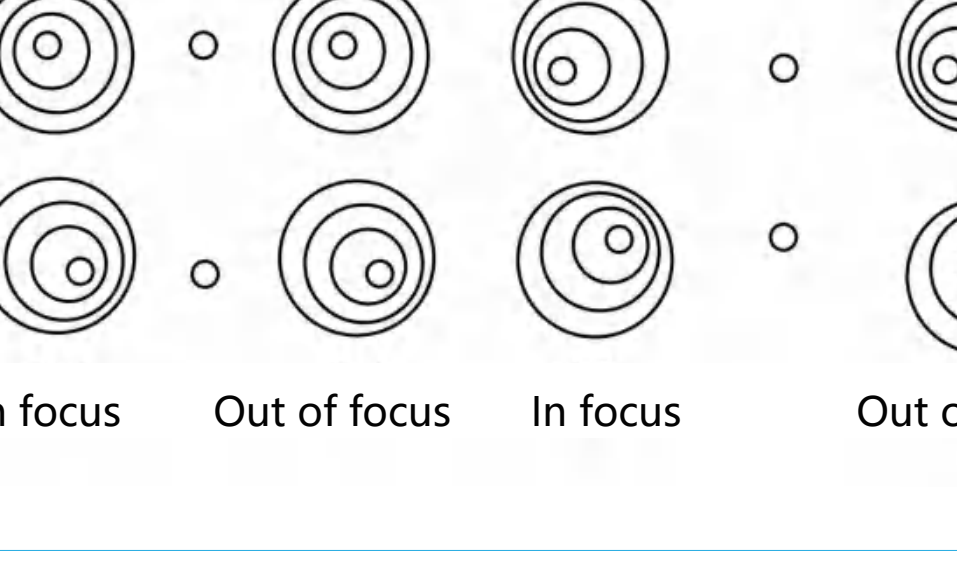


3. Collimation of the Primary Mirror

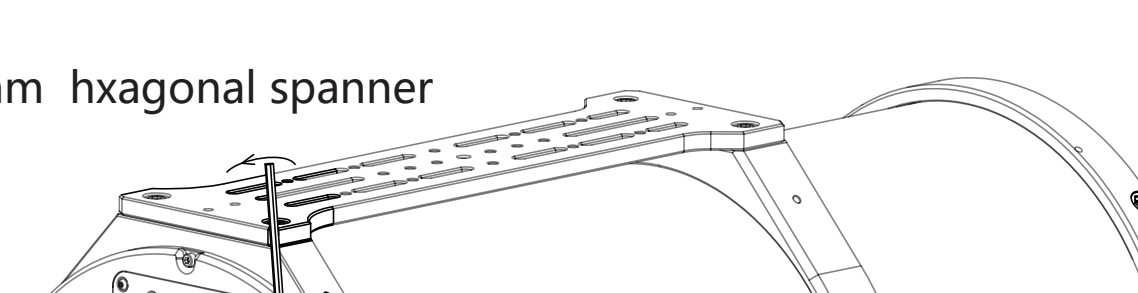
Preparation:

1. Dismantle the M48×0.75 to 1.25" adapter and the collimation eyepiece
2. Install an eyepiece or a camera and get it focused.
3. Mount the astrograph onto an equatorial or longitudinal mount, and align the astrograph to a bright star or an artificial star point.

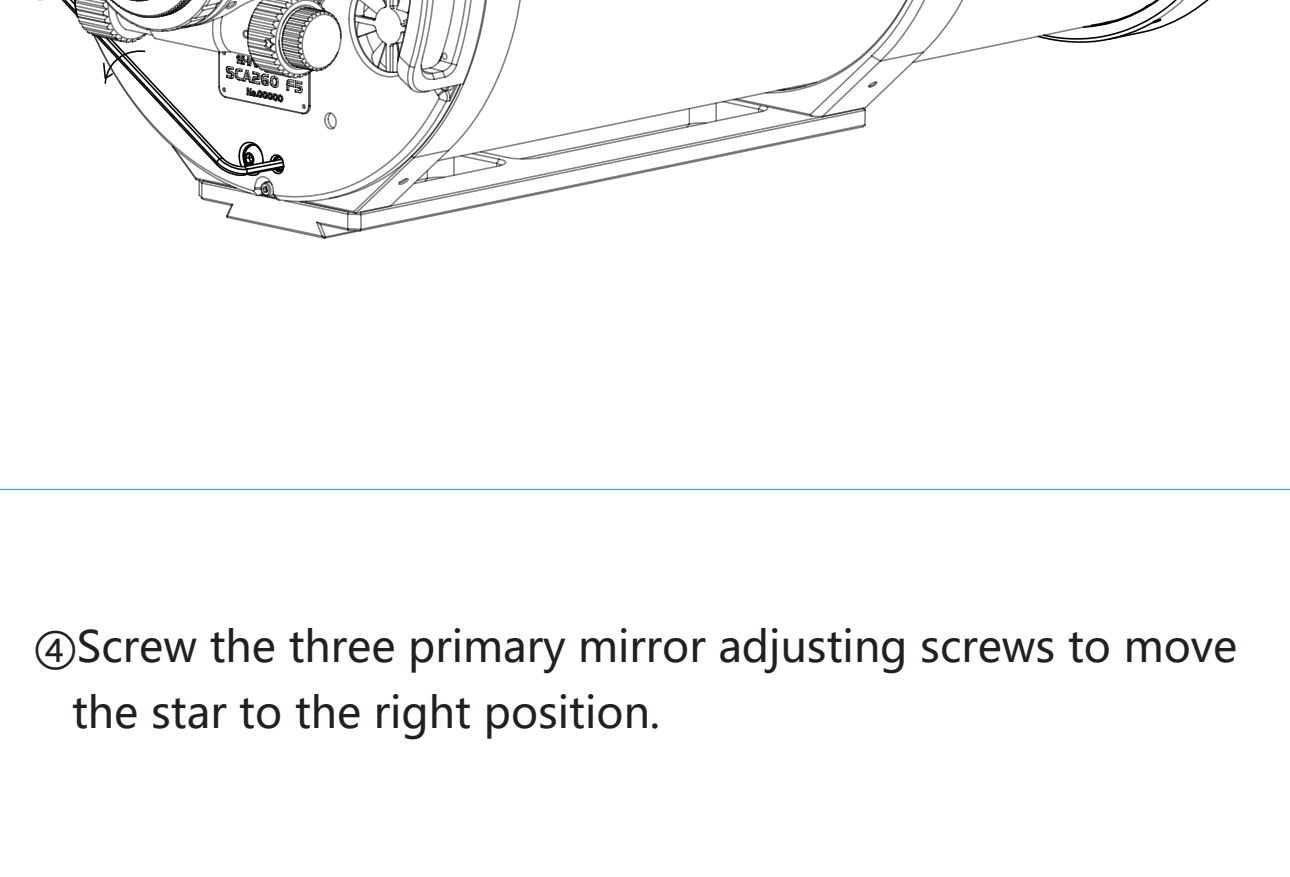
① Rotate the fine adjustment handwheel and compare the star with the follow patterns.



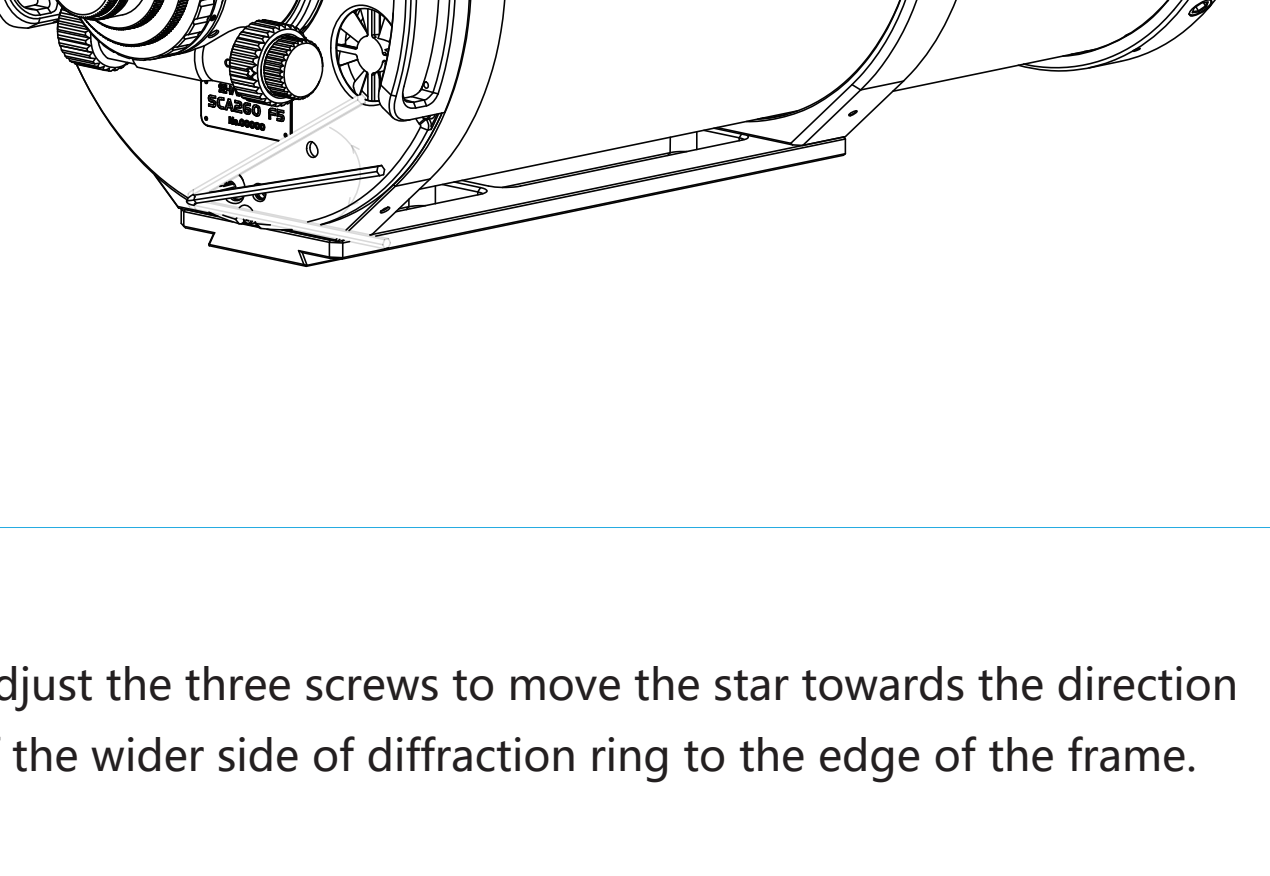
② If it looks like these patterns, the primary mirror needs adjustment.



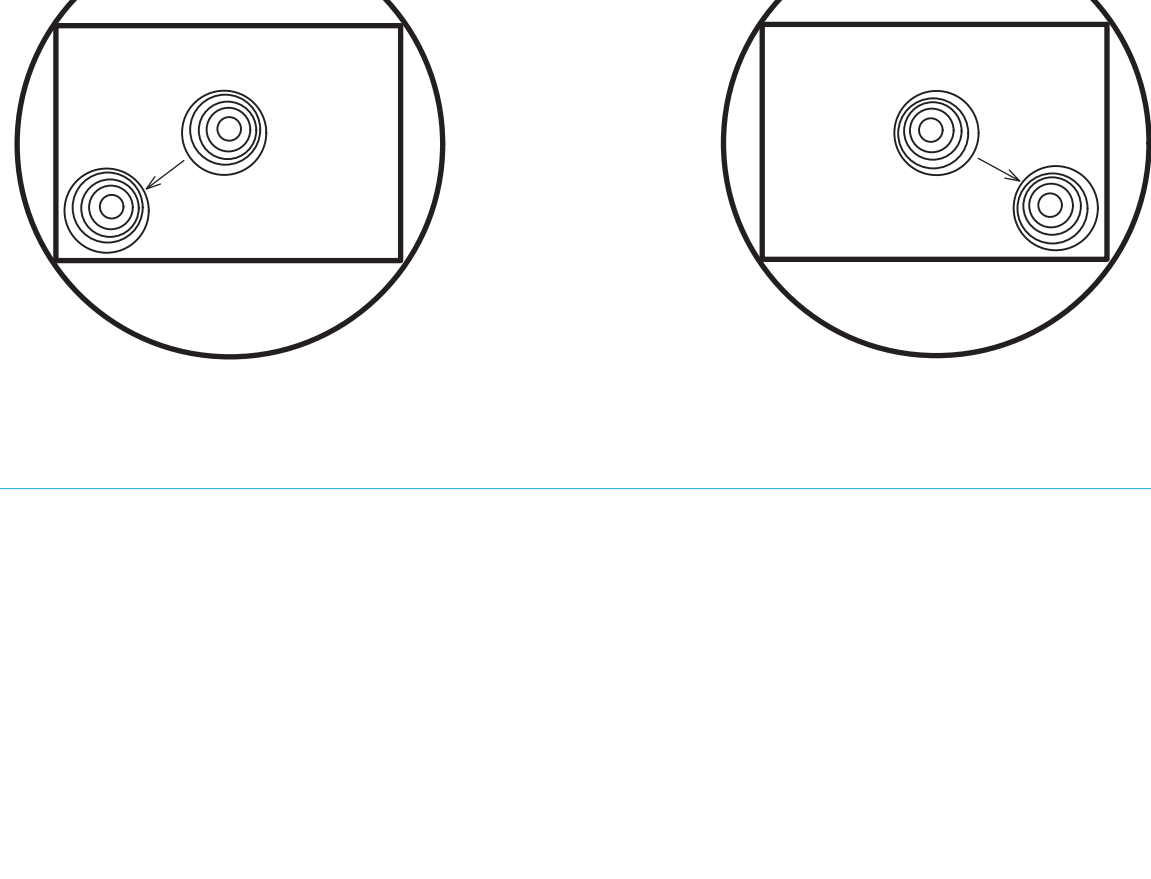
③ Unscrew the three screws as the picture shows



④ Screw the three primary mirror adjusting screws to move the star to the right position.



⑤ Adjust the three screws to move the star towards the direction of the wider side of diffraction ring to the edge of the frame.



⑥ Adjust the equatorial or longitudinal mount to move the star to the center of the frame and see whether the star looks the same as that in Step ①.

⑦ If it still differs from Step ①, repeat Step ⑤&⑥ until finished.

⑧ Lock the three screws in Step ③ and finish collimation.