

ASTRO-PHYSICS

Disassembling the 130mm f6.3 Gran Turismo

Tube Cover #2

Focuser Cover



1. Before beginning disassembly, have all the covers handy.

Tube Cover #1

Lens Assembly Cover



2. Retract dew shield completely.

With the dust cover in place on the telescope, stand the 130 on its end, focuser end skyward.

Rack the focuser drawtube all the way in.



5. Lift the focuser straight up to remove.

Set focuser aside.



6. Attach tube cover #1 on the open end of the telescope tube.



3. Holding the telescope steady, loosen the focuser locking ring.



7. Place the focuser cover on the exposed end of the focuser.

Push the locking ring up to engage threads and tighten until firm.



4. With the locking ring completely loosened, push the ring up to expose tube threads.



8. Loosen the lens assembly locking ring.



9. Push the lens assembly locking ring up and gently lift the center tube off of the lens cell assembly.



10. Attach tube cover #2 to the open end of the center tube.



11. Attach the lens cover to the open end of the lens assembly and tighten gently.



Disassembled 130mm f6.3 StarFire Gran Turismo

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Reassembling the 130mm f6.3 Gran Turismo



1. Remove all the covers from the tubes, leaving the dust cover from the lens assembly in place.

Stand the center tube on end with the lens assembly locking ring on the bottom.

Place the lens assembly so that the dust cover is facing down.



2. Align the focuser over the top of the center tube and gently lower into position.

Engage the focuser locking ring onto the tube threads.



3. Tighten the focuser locking ring.



4. Place the assembled focuser/tube unit onto the lens assembly.



5. Engage the lens assembly locking ring onto the threads and tighten.



Assembled 130mm f6.3 StarFire Gran Turismo.

Place the covers into the appropriate compartments in the carrying case.

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Extending and Retracting the 130EDF Gran Turismo Dew Shield

The dew shield of the 130mm EDF Gran Turismo features a locking mechanism when it is fully extended. This telescope is shipped from our facility with the dew shield retracted.



1. To extend the dew shield: Mount the tube assembly into the 4.7" rings which have already been mounted on the saddle plate. Be careful to position the tube so that the rings do not close on the flare out at the objective end of the tube. Failure to do so may result in marring of the tube finish.

2. Gently but firmly push the dew shield up from the bottom until it is fully extended.

3. Rotate the dew shield about 1/4 turn to engage the lock mechanism, as indicated by the arrow on the picture to the left. The decal should be 90° from its starting position. It is now ready to use.



1. To retract the dew shield: Place your hands at the back end of the extended dew shield.

2. Rotate the dew shield about 1/4 turn in the direction indicated on the picture to the left to unlock.

3. Gently push the dew shield until it is fully retracted.

NOTE: Do not retract the dew shield with the dust cover in place. The cover may be damaged as a result of popping off from the built-up air pressure.

Rotating the 130EDF Gran Turismo Focuser



1. With the telescope secured in the mounting rings, grasp the focuser lock ring and rotate as indicated, just enough to loosen focuser body. About one half revolution should be sufficient.



2. Rotate the focuser body in either direction until it is positioned as you wish.

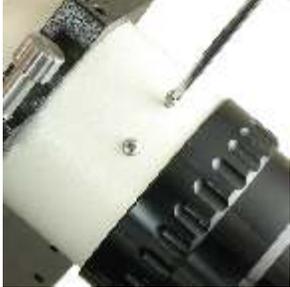


3. Secure the focuser in its new position by tightening the lock ring.

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Attaching the Quick Release Base, Small Radius (QRBASES)

The base for the Quick Release Bracket (QRBASES) was specifically designed for mounting onto the smaller diameter of the 130mm EDF Gran Turismo tube.



1. Locate the two screws on the 130 tube near the focuser lock ring.

2. Using a Phillips head screw driver, remove the screws.

NOTE: The screw on one side of the base acts as a safety stop. It will catch the groove on the bottom of the male dovetail and prevent it from falling off the back end of the base.



3. Place the QRBASES over the holes, with the stop screw at the focuser end. Secure in place with the two tube screws.



This base can also be adapted for left-handed use by removing the stop screw from its initial position. Reattach it in the hole on the opposite end of the base. You will then mount the bracket as shown below. However, the thumbscrews will be now be on the left.

Attaching the Quick Release Bracket (S850QRM)

1. Move the scope back as far as possible in the rings. Be careful to position the tube so that the rings do not close on the flare out at the objective end of the tube. Failure to do so may result in marring of the tube finish.



2. Rotate the scope so that the base is aligned with either the flat or rounded side of the rings. The bracket will not clear the ring corners, hinge, or knob.

3. Insert the male dovetail end of the quick release bracket into the groove of the base (picture 1).

4. Slide the bracket until it engages the safety stop. Tighten the two side thumbscrews to hold the bracket in place (picture 2).



5. Rotate the tube assembly to place the finder in your desired position once the bracket is