



Black-CAT-71 Mount Assembly Instructions ver. 1.2



Tool needed (not included):

1. H2 (3/32") Hex key
2. H2,5 (7/64") Hex key
3. H4 (5/32") Hex key
4. H5 (3/16") Hex key

Black-CAT-71 Mount includes:

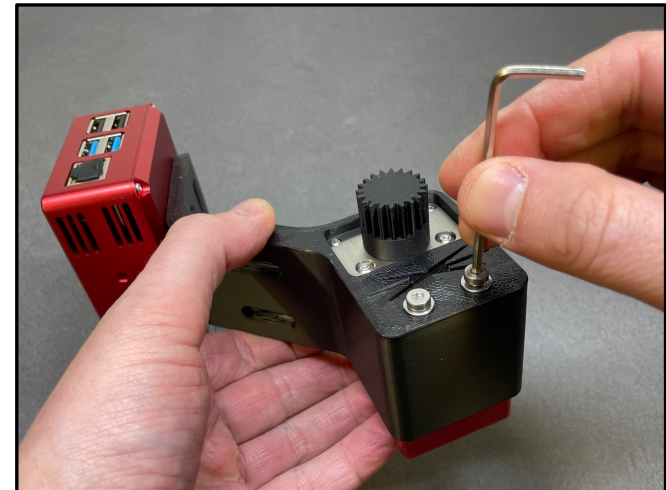
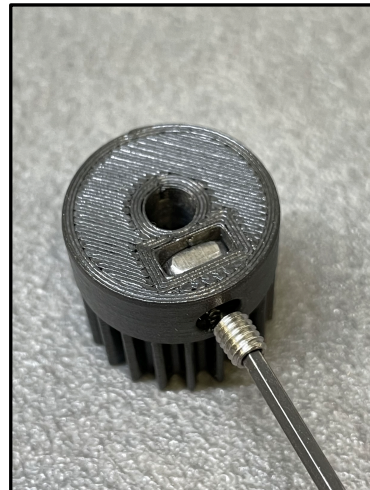
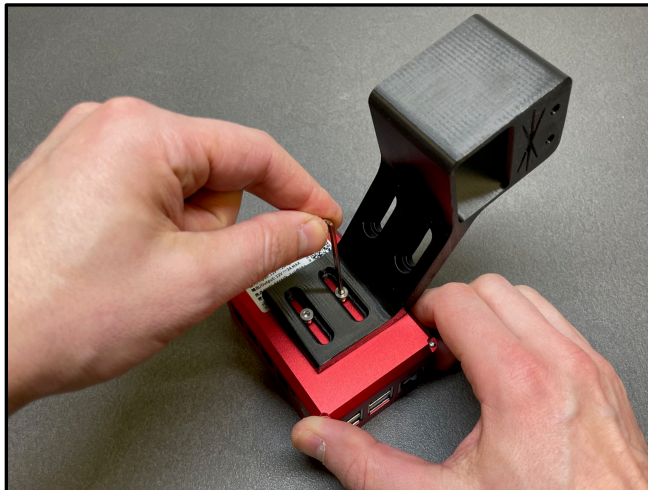
1. Black-CAT-71 Mount Body Part
2. Big and Small Gear (+ spare Small Gear)
3. different size hex screws, square nuts, flat end screws and washers



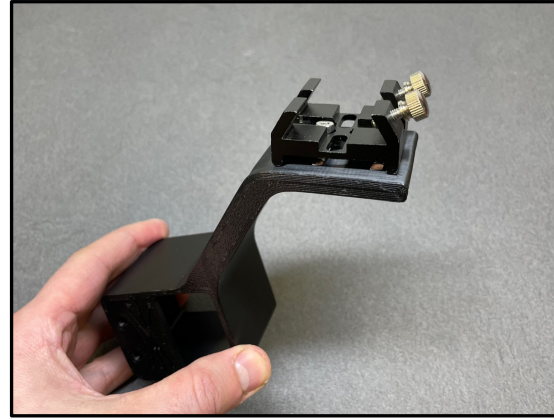
Thank you for buying the **Black-CAT-71 Mount**. I advise you to read this instructions carefully when you install Black-CAT-71 to your RedCat 71 scope.

So let's start...

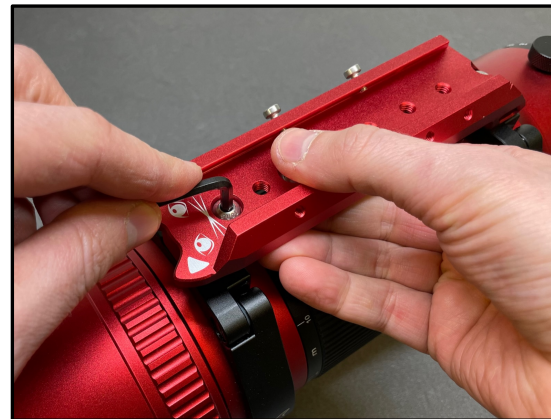
1. Attach Asiarr to the Body Part with *two 6 mm long (shorters) screws* (don't over tighten) using H2.5 hex key.
2. Insert *a square nut* inside the hole on the Small Gear and *a small flat end screw* inside the nut with H2 hex key.
3. Place the Small Gear on the EAF shaft and tighten *the flat end screw* against the shaft's flat surface. Leave at least 0,5 mm cap between the gear and EAF (Don't over tighten or you might deform or brake the gear).
4. Attach EAF to the Body Part with *two 8 mm long screws* and *washers* and tighten firmly.



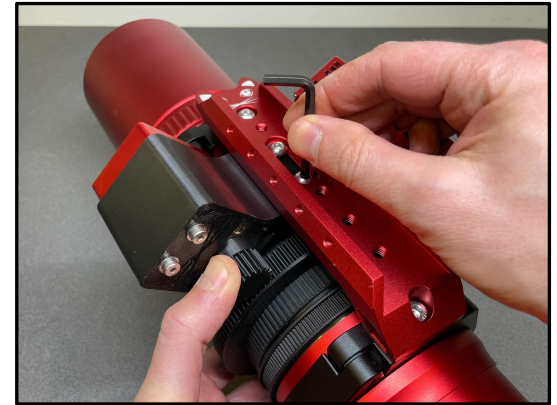
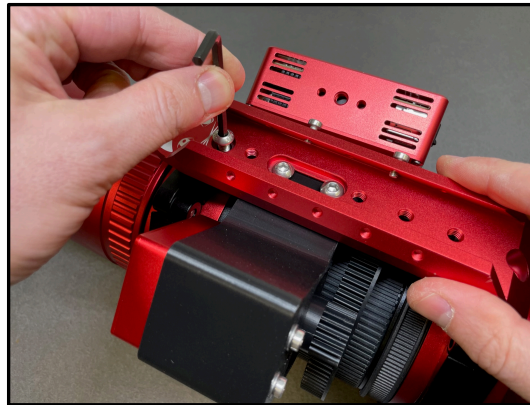
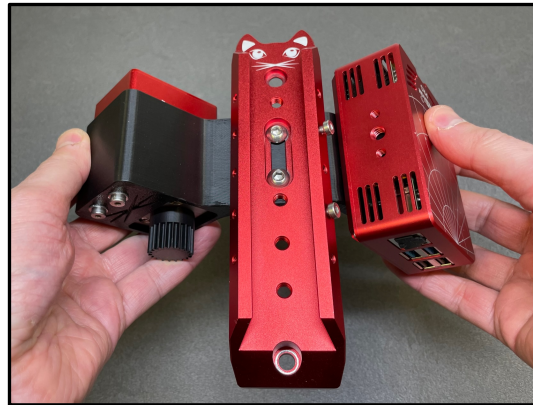
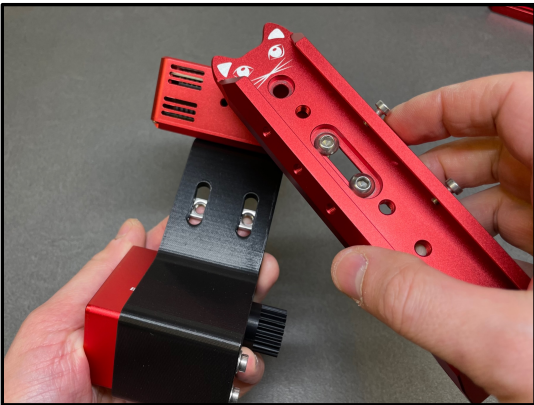
5. If you want to attach a guide scope shoe, place *two square nuts* on the bottom of the Body Part.
6. Keep the nuts in place with your fingers and turn the Body Part around.
7. Use *proper size screws* (not too long) to attach the shoe (there are several size screw for different size shoes).



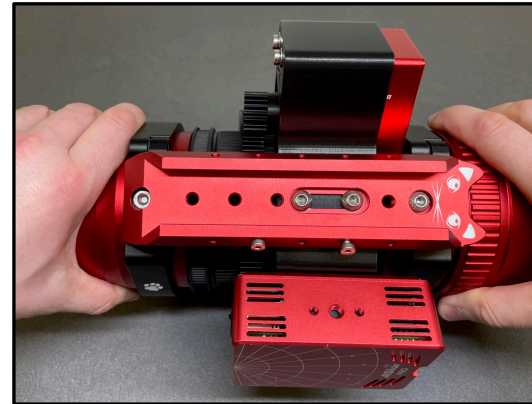
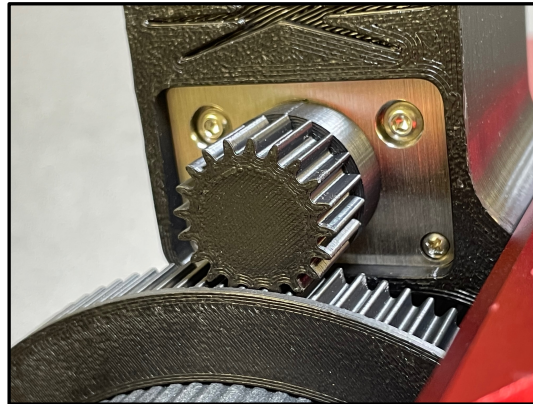
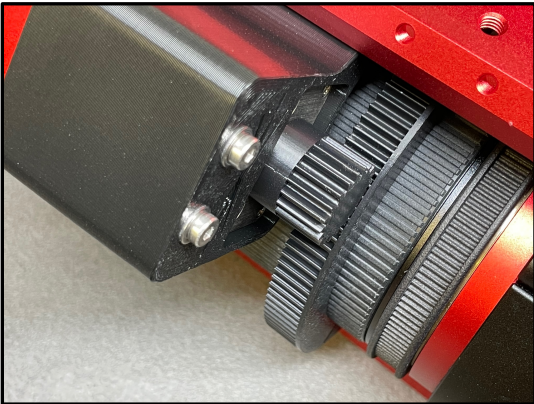
8. Detach the RedCat 71 scope Saddle Handle Bar screws with H4 and H5 hex keys.
9. Insert *two square nuts* in the holes on the teethed Big Gear (if the holes are tight use the *Force*).
10. Attach both Big Gear parts around the scope's focus ring and tighten them **loosely** with *two 20 mm long screw*.



11. To attach the Body Part to Saddle Handle Bar place *two M6 Square nuts* under the Body Part and two *M6 Screws* in the slot hole of the Saddle Handle Bar. Keep the *Square Nuts* in place with your fingers and tighten the *M6 Screws* **loosely** with H5 hex key.
12. Attach the Saddle Handle Bar back on top of the RedCat 71 Scope with the original screws.
13. **IMPORTANT:** To get the gears in optimum position, the RedCat 71 should be at least roughly in focus with the camera that you are using with the scope. The Small Gear should be in the middle of the Big Gear to ensure plenty of focus travel to each direction.
14. **IMPORTANT:** With your thumb press the Small Gear so that the teeth of the gears get in good contact (see video: bit.ly/34CF1i2). Then tighten **firmly** the two *M6 Screw* on the Saddle Handle Bar.



15. Make sure that there is a small gap (about 0.5 mm) between the front of the Small Gear and the back side of the Big Gear (first picture).
16. Make sure that the gears are in firm contact (second picture).
17. Make sure that the Body Part is straight (third picture).
18. Tighten the Big Gear around the focus ring (not too tight so that you don't deform the rubber on focus ring).



19. Make sure that the Focuser tension is not tighten (first picture).
20. Attach the guide scope and you are ready!



IMPORTANT Don't leave the scope in the sun or hot car for a long time because the Black-CAT-71 Mount plastic parts might deform.

If you have any problems or comments about the Black-CAT Mount or this instruction document send me email:

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Have a nice night!

- Lauri, ProAstroGear

