

# C-14 Flop-Stopper

Ironwood Observatories  
Pier Power Products

# Installation Instructions

- Read all steps first and then start installation
- If you have any questions ask first then proceed
- Follow the slides step by step
- The install does not require large forces
- All tools are supplied
- Be careful do not cross thread
- Take your time it will only require a few minutes to install each Flop-Stopper

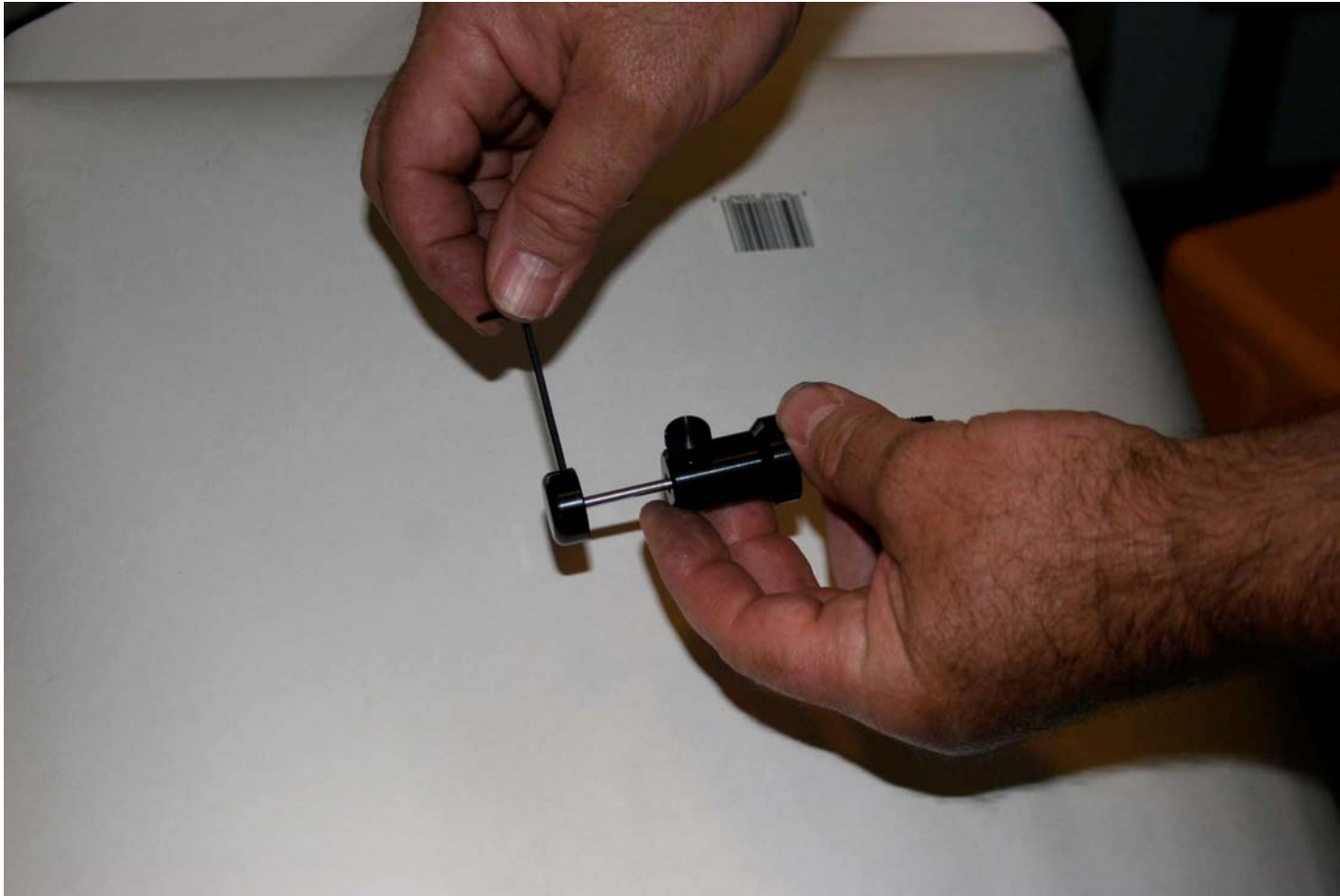
# The Flop-Stopper Assembly



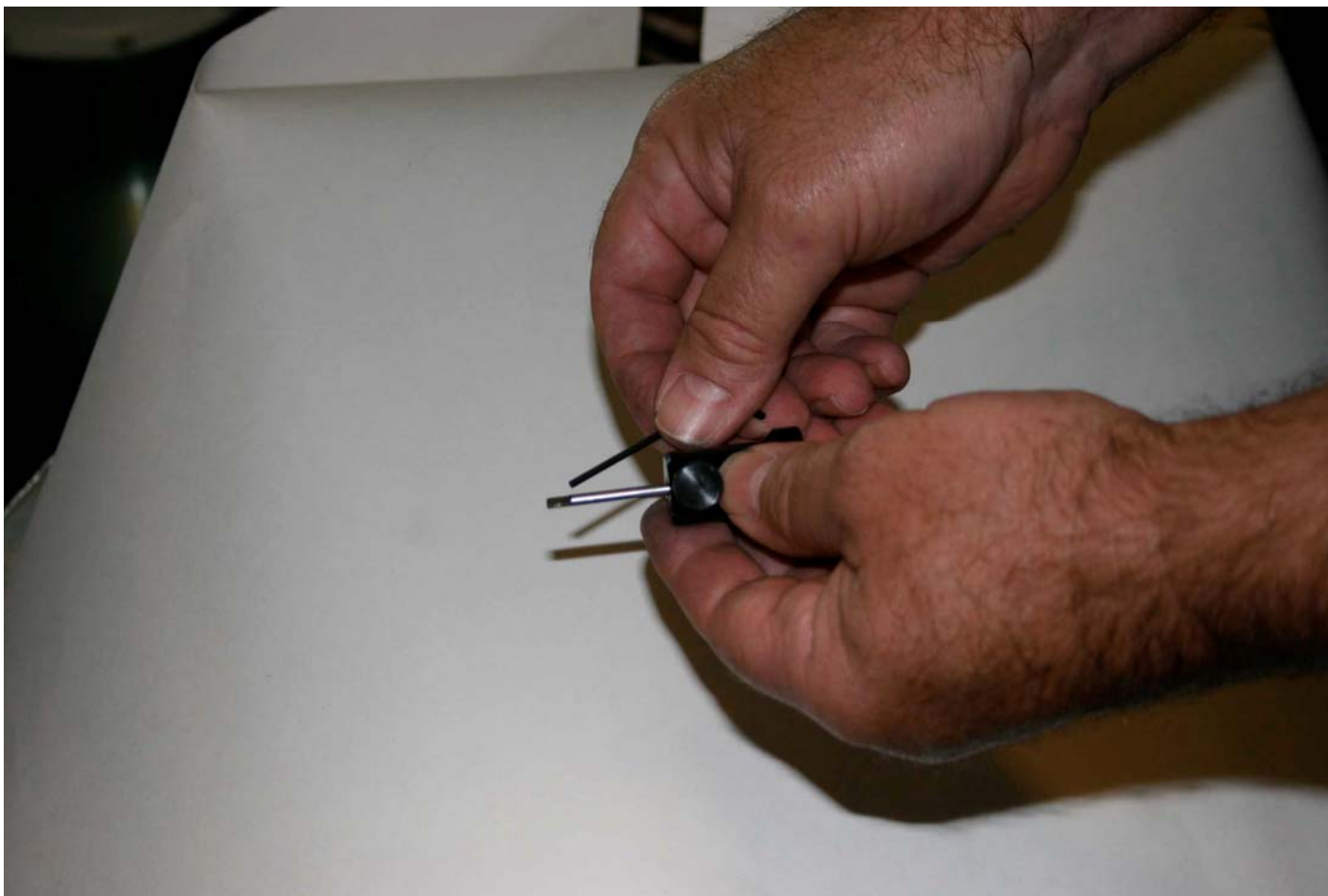
**Remove Shipping Lock**  
move mirror focus forward five or more turns, this will provide a gap between the threaded parts.



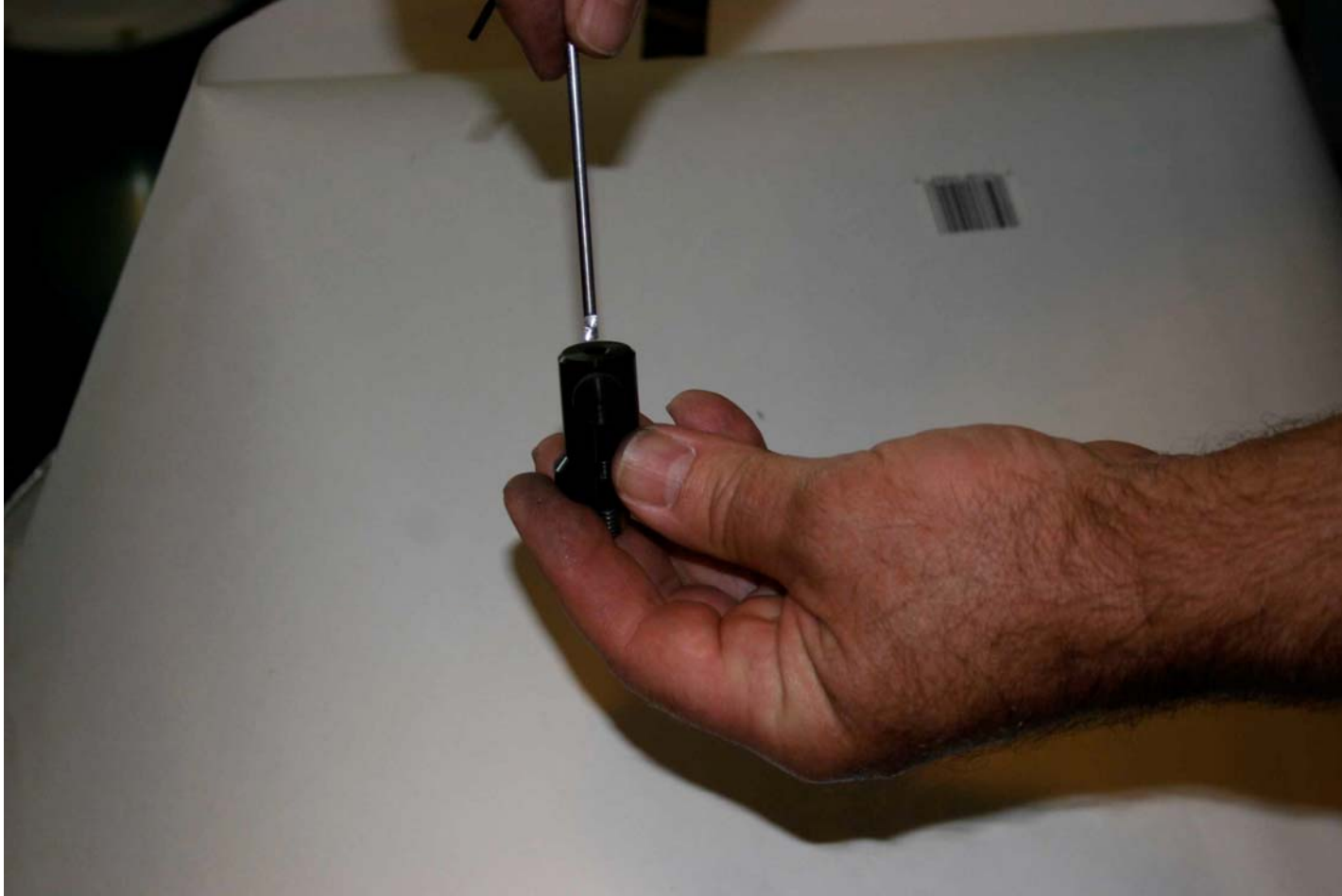
Remove end cover. (Use the enclosed Allen Wrench)



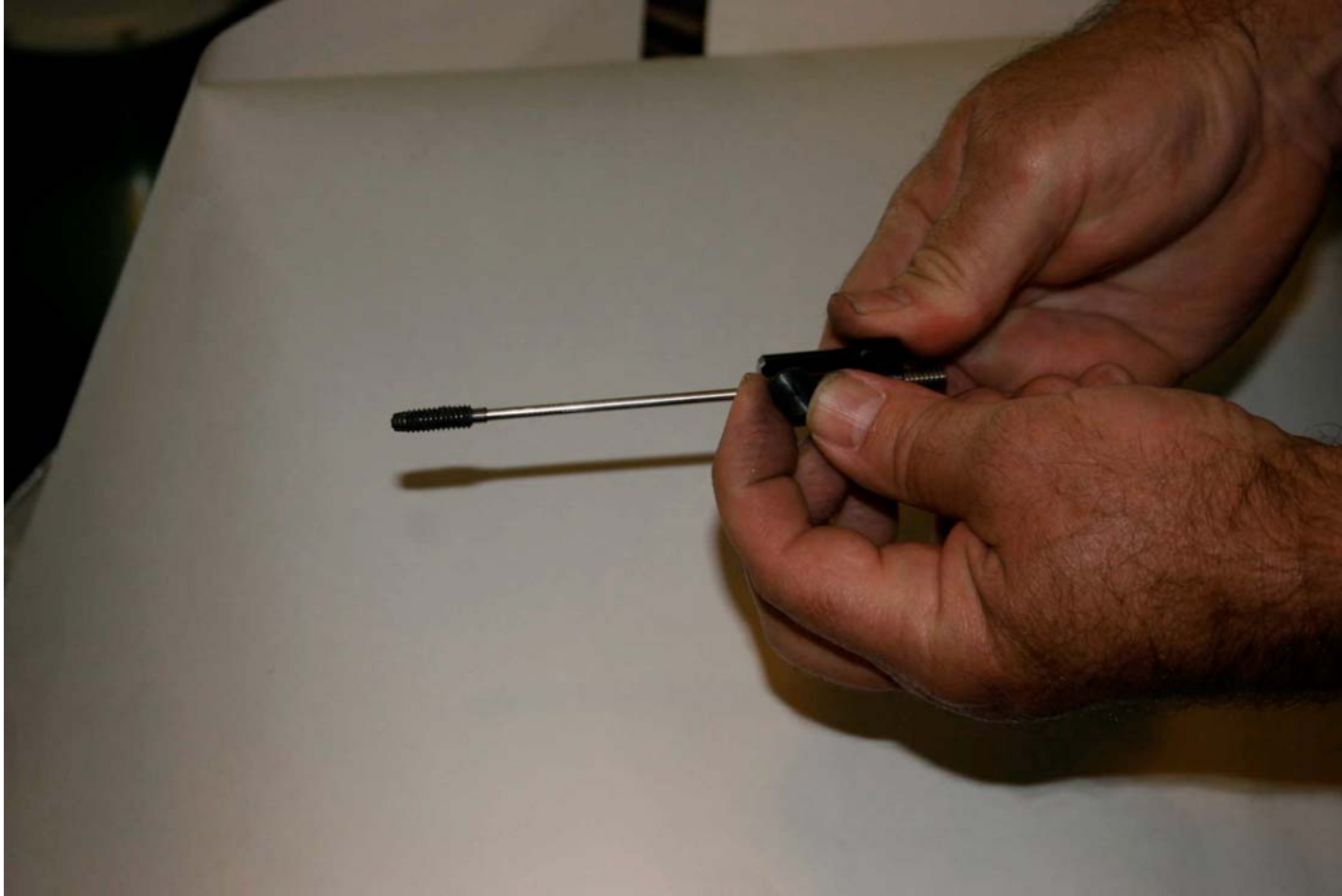
## Notice Flat on Guide Shaft



**Remove guide shaft from main body insert on the opposite end of the body flat side facing lock knob. The main body is now used as an insertion tool**



**The guide rod is now secured with the lock knob  
securely tightened in the main body**





## **CARFULLY START THREADS**

**the end of the guide shaft is tapered for easy threading**



**While you are threading through the first ¼” 20tpi hole you will hit a point of increased resistance, which is the thread locking device, it will go through with some light to moderate force and clear the first set of threads. Do not bend guide shaft.**



**Then CAREFULLY start threading into the mirror threads, again you encounter a point with of increased resistance. Now make four additional turns and stop. Now loosen the lock knob and remove the main body. Turn the main body around.**



**Now install main body over guide shaft and thread main body into the telescope body and tighten snugly. DO NOT OVERTIGHTEN**



**Place the end cap over the guide rod, place set screw over the flat side of the guide rod and tighten.**



The installation is complete, when focusing the telescope loosen the lock knobs until they do not contact the guide rods. When desired focus is reached tighten lock knobs. ( Do not over tighten)



# Congratulations The Installation Is Complete

- If you have any questions please contact [kenarcher@ironwoodobservatory.com](mailto:kenarcher@ironwoodobservatory.com)

808-375-3060

Thank you for your business

# Frequently Ask Questions

**Q.**

**Can the Flop-Stopper be used to transport the telescope.**

- **Yes, as with all equipment care should be taken to lock the mirror against the housing. One way to insure this would is to point the telescope towards the zenith and move the mirror to the rearmost position. Then lock the C-14 Flop-Stoppers. The guide shafts will be exposed and you should take care. They are made of a very hard stainless steel and should not bend easily.**

**Q.**

**Should I use the C-14 Flop-Stopper for shipping on a commercial cargo carrier.**

- **If you ship with the C-14 Flop-Stoppers installed you will have to insure that they have clearance in the shipping container. If you wish you can remove them for shipping and use the factory shipping bolt. When the scope arrives at destination they can be installed again. However they are not designed to be removed and installed more than a few times. If the guide rods are damaged or need to be replaced that can be done very easily.**