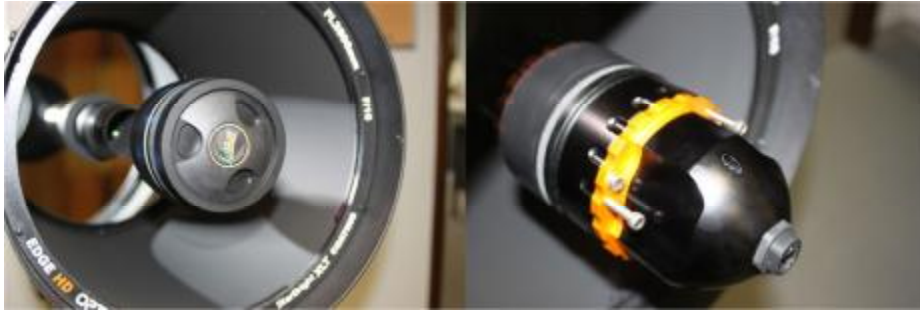




Fast Focus C11/C14

Secondary Focuser Installation



Overview: The Fast Focus focuser was designed to conserve the limited back focus of the Edge HD telescopes. By focusing the secondary mirror small amounts, we are able to move the focal plane of the scope. Traditionally this has been done with the primary mirror, but due to mirror flop this issue is not ideal. Many users have found the use of a Crayford focuser beneficial to reduce mirror flop. This does work quite well, but with the addition of AO units, off axis guiders, filter wheels, and focal reducers, the limited amount of back focus is easily consumed.

Installation: Installing the Fast Focus onto the telescope is quite easy. The basic idea is to remove the mirror and attach it to an adapter that will then attach to the Fast Focus. Finally, the entire assembly is threaded on my means of another adapter – specific to the C11/C14 corrector thread.

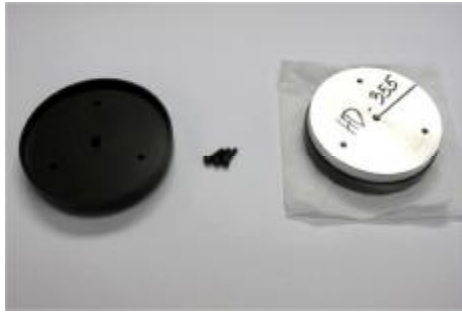
Step-by-step:



1. Unscrew corrector pinch ring



2. Remove secondary mirror assembly from the telescope



3. Unscrew (3) pan head collimation screws



4. Store corrector pinch ring, collimation screws, and mirror mount – no longer needed.



5. Attach mirror to the Mirror Adapter with supplied flat head screws.



6. Slide the Mirror Adapter over the dovetail of the focuser and attach with 3 screws along the circumference of the adapter. These screws should be very tight so that the mirror is secure.



7. Place the Corrector Thread Adapter over the mirror and against the flange of the focuser body and thread in (3) pull screws (plain end)



8. Thread in push screws (rounded end) until they are snug against the face of the Corrector Thread Adapter



9. Finally, thread the entire assembly back onto the corrector. Be careful of the mirror when placing back into the OTA. Hold the exposed aluminum on the corrector thread so that the focuser can be tightened properly.

First Use: Care must be taken with the initial setup of the focuser. The Fast Focus was designed so that the mid-range of the focuser (center) is the factory location of the mirror. Once the Fast Focus is centered, then the primary focus knob must be adjusted to achieve focus. Upon reaching focus, the mirror flop locks must be engaged – these will never be loosened as the Fast Focus will take care of the focusing from this point on.