



## 90 mm Triplet Refractor Electronic Focuser Installation Manual



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# Installing an EAF

1. Begin by positioning the telescope so that you have easy access to the focuser.
2. Use a 2mm hex key to remove the silver set screw located next to the coarse focus knob.



3. Then, rotate the focuser knob until a similar black set screw can be seen through the hole previously occupied by the silver screw. Using the 2mm hex key, loosen but do not remove this screw. If the screw is turned more than necessary it will jam against the focuser housing and prevent the knob from being removed. A single turn counterclockwise is all that is necessary to remove the focus knob.



4. Rotate the focuser shaft 90deg from its current location to locate the next 2mm black set screw and loosen this screw, but do not remove it.

5. At this point the coarse focus knob can be removed from the focuser.



6. Locate and install the 6mm flex coupling that would have been included with the EAF. Install this in place of the coarse focus knob, in the previously mentioned steps in the reverse order.



7. Remove the focuser lock knob from the bottom center of the focuser.



8. Sit the EAF bracket on top of the focuser block where the focus lock knob was installed, with the L bracket facing away from the telescope.
9. Gently start but do not tighten the two cap head screws that are included with the EAF, these should be the longer of the two different sizes.
10. Slide the EAF motor into the flex coupling and gently start but do not tighten the two remaining hex screws through the L bracket into the focus motor.



11. Adjust the lay of the bracket and focus motor until it appears to be square and true.
12. Tighten the four screws.
13. Reinstall the focus lock but do not tighten it fully.

14. Tighten the two remaining set screws on the flex coupler to attach the flex coupler to the focus motor's shaft.

