

Meade #1244 Installation

Installing the modified Meade #1244 electronic focuser on your ETX-125 is pretty straight forward.

Step 1: Using the small hex wrench loosen the set screw on the aluminum focuser knob. Remember: lefty-loosey, righty-tighty.

Step 2: Find the heavy anodized aluminum mounting bracket and fit over the focuser shaft.



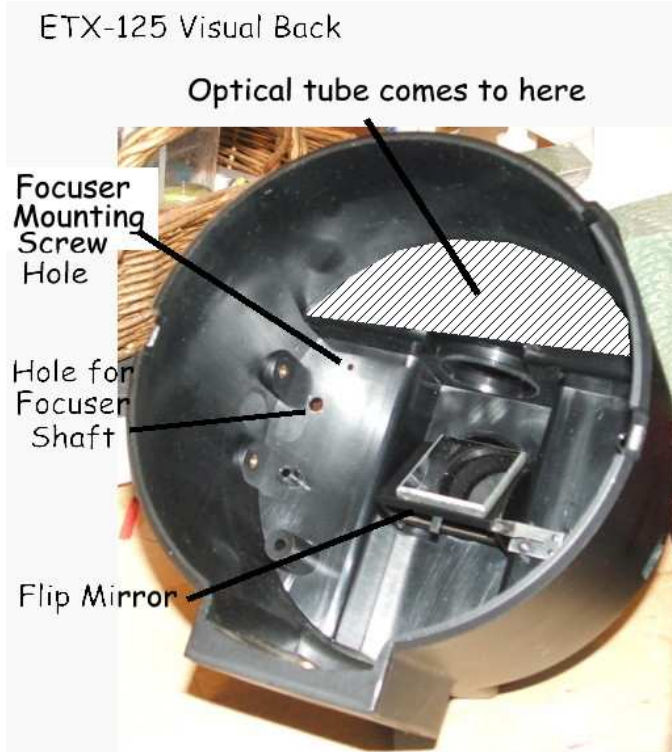
Step 3: Find focuser and position it on the bracket with the mounting screw hole nipple seated in the socket on the bracket.



Step 4: Using a 1/16" (.0625" or 1.5mm) drill bit mark the position of the mounting screw hole while firmly holding the focuser and bracket in position. Remove the focuser and bracket and carefully complete the hole. If you go slowly and blow the swarf away you won't get any inside the visual back. The plastic is about 2mm thick and you have more than a half inch (13mm) clearance before you hit anything.

As you can see from the photos below there is plenty of clearance inside the visual back and not a lot to damage on the optical tube if you hit it.

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Step 5: Refit the bracket. Find the brass gear and fit it to the focuser shaft. Tighten the set screw firmly. If you find that the gear is slipping on the shaft you may have to file a small landing for the set screw. I had this problem on my older tube that had a bent focuser shaft.

Step 6: Refit the focuser body and secure with the 1-1/4" sheet metal screw. No need to crank down hard on the screw, snug is fine. Otherwise you will strip out the hole and have to go find a fatter screw.

Step 7: Test.

