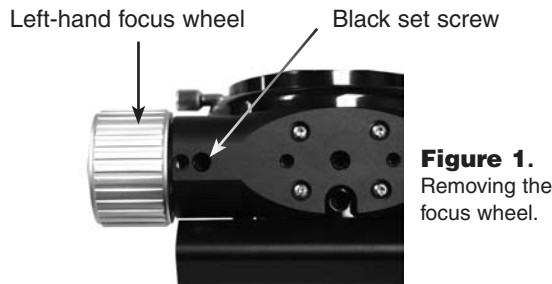
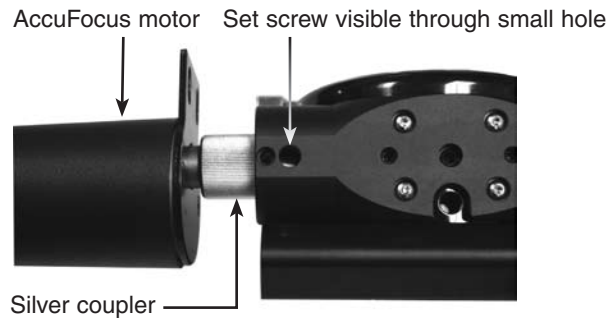


# INSTRUCTION MANUAL

## AccuFocus bracket for 2" Low-Profile Dual-Speed Crayford Focuser #5049



**Figure 1.**  
Removing the  
focus wheel.



**Figure 2.** Attaching the AccuFocus motor to the focusing shaft.

To install the AccuFocus bracket on your 2" Low-Profile Dual-Speed Crayford focuser, follow these simple steps:

1. Rotate the left-hand focus wheel (the focus wheel that does not have the black fine-focus wheel attached) until you can see the black set screw through the hole on the bottom of the focuser body (Figure 1). Use the 2mm hex key supplied with the AccuFocus to loosen the set screw by 1-1.5 turns, be careful to not completely unthread the set screw.
2. Now remove the left hand focus wheel by gently pulling it away from the focuser assembly.
3. Remove the focus-lock thumbscrew from the focuser.
4. Place the AccuFocus motor so the end of its silver shaft coupler goes over the exposed end of the focusing shaft. Make sure the black set-screw on the smaller end of the silver shaft coupler is adequately loose to allow the motor to be placed on the focusing shaft.
5. Rotate the motor until you can see the set screw that is on the smaller end of the silver shaft coupler through the small hole on the left side of the focuser mechanism (Figure 2).
6. Engage the motor drive to the focusing shaft by tightening the set screw on the smaller end of the silver shaft coupler using the hex key.
7. Carefully remove the two silver button-socket cap screws closest to the side of the focuser with the knob removed. Use the hex key to do this. The silver button-socket cap screws have small rubber washers on them that will remain between the focuser housing and focuser mechanism when the screws are removed. Do not move the focuser much until the bracket is attached (in the next step) to minimize migration of these rubber washers.
8. Place silver washers onto two of the black Philips head screws that are included with the AccuFocus. Place the AccuFocus bracket onto the focuser so the oval holes are aligned with the threaded holes on the focuser. Be sure the bent section of the bracket faces away from the focuser. Use the two washer-equipped screws to attach the AccuFocus bracket to the focuser by placing them through the oval holes of the bracket and into the holes in the focuser. Do not completely tighten the black screws at this point.
9. Rotate the motor until the oval attachment holes line up with the holes on the bracket.
10. Place a washer onto the two thumbscrews that are included with the AccuFocus.
11. Attach the motor to the bracket by inserting the washer-equipped thumbscrews through the oval attachment holes and into the threaded holes of the AccuFocus bracket. Tighten the thumbscrews firmly with your fingers, or use a flat head screwdriver.
12. Now tighten the black Philips-head screws to lock the motor and bracket into position.
13. Refer to the "Finishing Assembly" section of the AccuFocus instruction manual to complete installation.

*Note: If the washers move during installation, use the hex key to re-center them. Do this by inserting an end of the hex key into the hole and use it to push the washer so it is aligned with the opening.*