

QuickSwitch SCT EAF Bracket

C6 / C8 / C925



Parts List

- 1x Telescope Bracket
- 1x Motor Bracket
- 1x Timing Belt
- 1x Motor Pulley w/set screw
- 1x Focuser Pulley w/thumb screw
- 1x Focuser Knob w/3 set screws
- 1x Shim for C6
- 2x 6-32 x 5/8" screws
- 3x M3 x 10mm screws
- 1x 5/64" hex wrench
- 1x 7/64" hex wrench

Install the Motor Pulley



Install the smaller Motor Pulley on the EAF motor shaft. The pulley teeth should be away from the motor. Line the set screw up with the flat side of the shaft and lock it in place with the 5/64 hex wrench. Leave about 1mm between the pulley and the flat surface of the motor.

Attach the EAF to the Motor Bracket



Use two of the M4 screws included with the EAF to attach the motor to the Motor Bracket as shown.

Remove Focus Knob and Screws



Remove the rubber focuser knob from the telescope. Sometimes they are tight but wiggling it while pulling will remove it. Remove the 3 screws from the orange plate around the focus shaft. Leave the plate in place.

C6 Only - Install Shim



6" SCTs will require the use of the thin shim plate to move the Telescope Bracket a bit farther from the scope to clear the curved back plate of the scope. 8" and 9.25" telescopes do not need the shim.

Install the Telescope Bracket



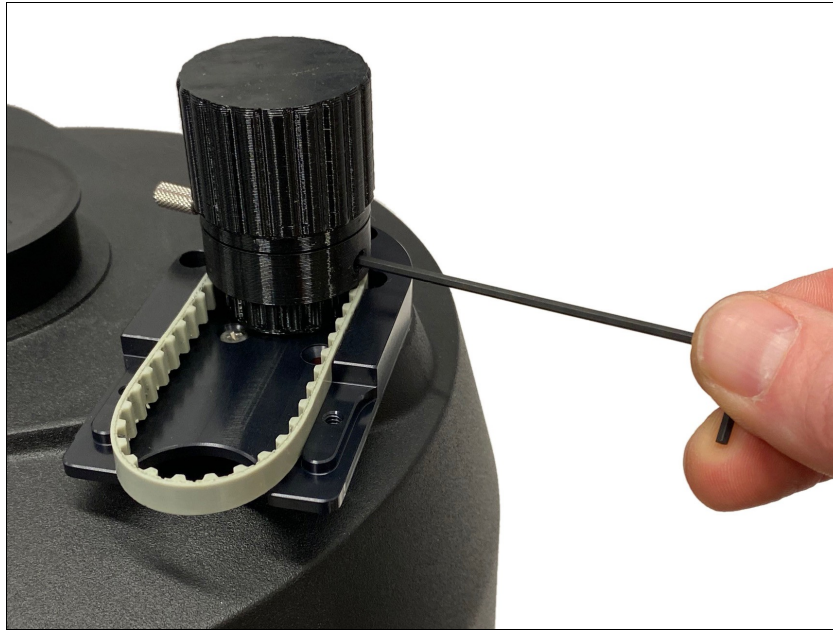
Use the included M3 x 12mm flat head screws to attach the Telescope Bracket to the telescope. The inner set of 3 holes are used for 6", 8" and 9.25" scopes. Make sure the brass focus shaft stays centered through the orange plate when tightening down the screws. This will avoid binding.

Install Telescope Pulley and Belt



Put the timing belt around the Telescope Pulley (which has the thumb screw in it). The pulley teeth go toward the telescope. Pinch the belt a bit to fit it between the walls of the Telescope Bracket and you will be able to slider the pulley onto the focus shaft.

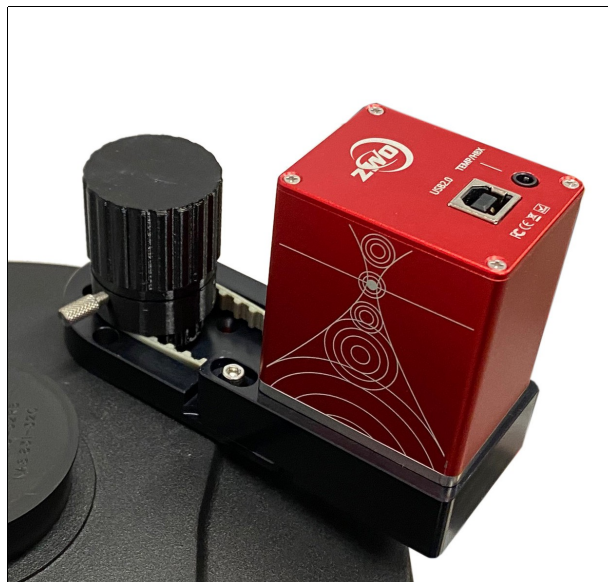
Install Focus Knob



The Focus Knob has 3 set screws. You will tighten these screws to hold the knob onto the brass focus shaft of the telescope. You access the screws through a hole in the side of the Telescope Pulley, on the opposite side from the thumb screw.

Insert the Focus Knob base into the Telescope Pulley and rotate to line up one of the set screws with the hole in the pulley. Tighten the screw with the 5/64 hex wrench. Hold the pulley with one hand and rotate the knob 120 degrees to line up the next screw and tighten this one. Then repeat one more time for the last set screw.

Connect Motor Bracket to Telescope Bracket



Note the slots on the bottom side of the Motor Bracket; these will line up with the raised sections of the Telescope Bracket. Place the Motor Bracket in place, close to the knob, and make sure the timing belt fit around the teeth on the Motor Pulley. Pull the Motor back away from the knob to tension the belt and use the included 6-32 x 5/8" socket head screws and 7/64 hex wrench to attach the two brackets together.

Now you can manually focus by leaving the thumbscrew on the Telescope Pulley loose. Tightening the thumb screw then engages the motor. No other adjustments should be necessary to switch between manual and automatic focusing.