

Feathertouch SCT MicroFocuser

Installation Instructions – Celestron 11” Telescopes

Important: The telescope optical tube must be positioned horizontally before removing the original focus assembly. If the telescope is not horizontal the primary mirror could move during the installation.

Required Tools: Phillips Screwdriver
1/16” Hex-Head Wrench (Not required for NexStar 11 GPS)

Step 1 Remove Focus Knob



NexStar 11 GPS telescopes have a rubber knob which can be pulled off. Older 11" telescopes will have a metal focus knob which must be removed using a 1/16" hex-head wrench to loosen a small set screw. Once the knob is removed you will see the brass focus shaft as shown below.



Step 2 Move Primary Mirror Back



Turn the brass focus shaft clockwise to bring the mirror back and expose the Phillips-head screw at the end of the threaded focus rod.

Step 3 Remove Set Screw



Use screwdriver to remove the small Phillips screw from the end of the threaded focus rod.

Step 4 Remove Focus Assembly Cover Plate



Use screwdriver to remove three screws from the focus assembly cover plate (the three screws around the outside of the focus shaft). Remove the cover plate. Hang on to the three Phillips screws as they will be used to attach the SCT MicroFocuser.

Step 5 Remove Focus Bearing Assembly



Turn the brass focus shaft counterclockwise to remove it from the threaded focus rod. This will take quite a few turns. Once the bearing assembly is removed, only the threaded focus rod (which pushes and pulls on the mirror cell to focus the telescope) will be left sticking out of the telescope as below.



Step 6 Thread on SCT MicroFocuser



Begin threading the SCT MicroFocuser onto the threaded focus rod.



When there is only about 1/4" left to go, simply push the focuser the rest of the way in. This will take up some of the change in focus from when you removed the original focuser, making it quicker to return to focus the first time you use your telescope after the SCT MicroFocuser installation.

Step 7 Attach the SCT Micro Focuser



Use the three original Phillips screws to attach the SCT MicroFocuser to the telescope. You are now ready to head out under the stars!