

# Focuser Retrofit Kit for RASA 11 (#94255)

## INSTALLATION INSTRUCTIONS

This kit was created to allow RASA 11 users to use the Celestron Focus Motor (#94155). RASA 11 comes with a FeatherTouch MicroFocuser pre-installed, which is not compatible with the Celestron Focus Motor. To use the Focus Motor, you'll need to follow the instructions in this guide to remove the FeatherTouch MicroFocuser and replace it with the standard Celestron focuser found on Celestron Schmidt-Cassegrain and EdgeHD optical tubes.

If you are not planning to use the Celestron Focus Motor, we don't recommend using this retrofit kit.

### Parts List:

- Celestron focuser
- Rubber O-ring
- Retaining screw
- Retaining washer

### Tools needed:

- Phillips head screwdriver
- 14mm crescent wrench or an adjustable crescent wrench

### Other equipment needed:

- Celestron Focus Motor (#94155)



1

Place the RASA 11 horizontally on a table or work bench. Be aware that some of the parts you'll be removing will have grease on them.



2

Rotate the black focusing knob of the FeatherTouch MicroFocuser counter-clockwise as far as it will go.



3

Remove the 3x screws that connect the FeatherTouch MicroFocuser to the RASA 11. Save the screws; they will be used later to install the focuser cover plate that comes with the Celestron Focus Motor.



4

Pull out the FeatherTouch MicroFocuser so that the brass bushing on the focus shaft is exposed and accessible.



5

Use the crescent wrench to hold the brass bushing stationary while rotating the body of the FeatherTouch MicroFocuser counterclockwise until it unthreads and detaches from the brass bushing.



6

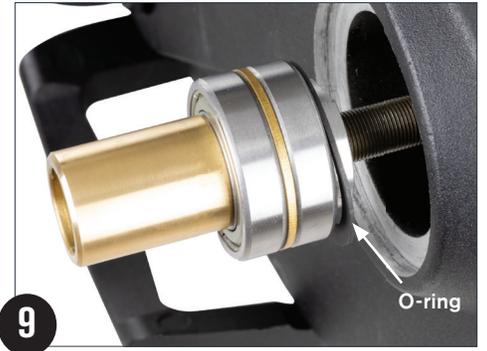
Unthread and remove the screw and washer from the end of the focus shaft.



Unthread and remove the brass bushing from the focus shaft.



Place the rubber O-ring over the nut on the front of the Celestron focuser.



Thread the Celestron focuser onto the focus shaft several turns, make sure the O-ring is still resting on the nut on the focuser and not the focus shaft.



Thread the included retaining screw and retaining washer onto the end of the focus shaft until tight. The end of the focus shaft will be recessed within the focuser's brass cylinder.



Push the focuser all the way forward until it seats into place.



Locate the cover plate for 11" and 14" telescopes included with the Celestron Focus Motor and install it onto the RASA 11 using the 3x screws from step 3 above. Orient the cover plate as shown.



You are now ready to install the Celestron Focus Motor on your RASA 11. Follow the Setup Guide included with the Focus Motor to complete the installation, start with step 7.