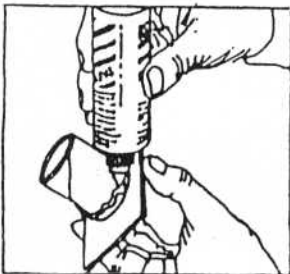


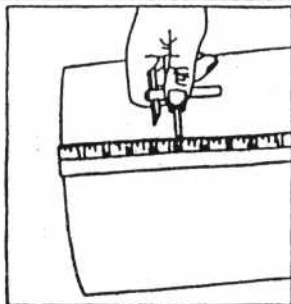
Making & Installing The Eyepiece Tube, Continued...

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Running a thin bead of glue around the cardboard tube where it meets the Masonite.

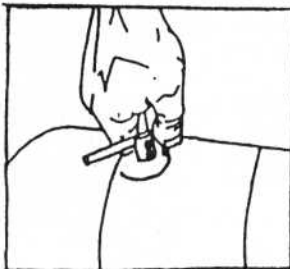
38



Finding the location for the eyepiece hole. See note—frame 39 below.

39

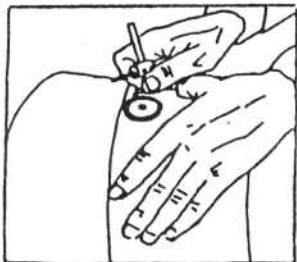
Note: Cut the telescope tube the same length as the focal length of your mirror. (See page 3). Then cut the eyepiece hole back from the front end of the telescope tube by the radius of the tube. I.e. For a 10" diameter tube, cut the eyepiece hole 5" from the front end; for a 12" diameter tube, cut the eyepiece hole 6" from the front end. These distances are for mirrors about 1" thick. If you have a thick mirror (i.e. 2"+) the hole should be moved up toward the front end of the tube an extra 1" to compensate. (i.e., a 12" tube with a 2" thick mirror would put the hole 5" from the front end; a 10" tube with a 2" thick mirror would put the hole 4" from the front end.



40

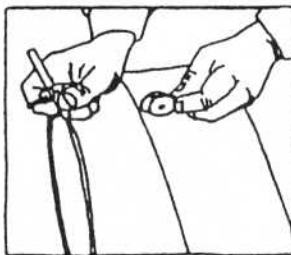
The distance we have measured is for the center of the hole. We may cut the hole to the outside diameter of the cardboard eyepiece tube.

41



If a hole-cutter is unavailable, a mat knife may be used.

42



We may peel off layers of cardboard as we gradually cut through the tube.

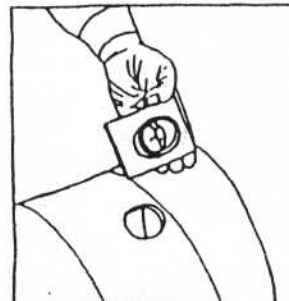
Making & Installing The Eyepiece Tube, Continued...

43



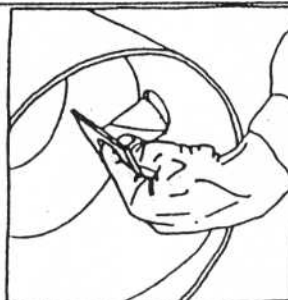
Mission accomplished!

44



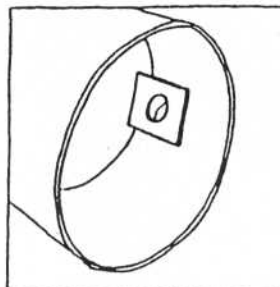
We are ready to install the eyepiece tube.

45



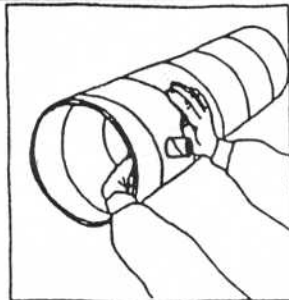
The cardboard eyepiece tube should fit snugly through the hole. If it's too tight, file or pare the hole a little bigger.

46



Eyepiece tube in place.

47



View from the outside of the telescope tube.

48



If we have not already painted the inside of the telescope tube, we now need to paint at least the section visible through the eyepiece tube (black or a dark color)