



How to make “You are Galileo! Telescope”

Spica Orbys, Inc

“You are Galileo!” project

Experience the feeling of wonder that Galileo had when he observed celestial bodies for the first time.



Spec of the telescope



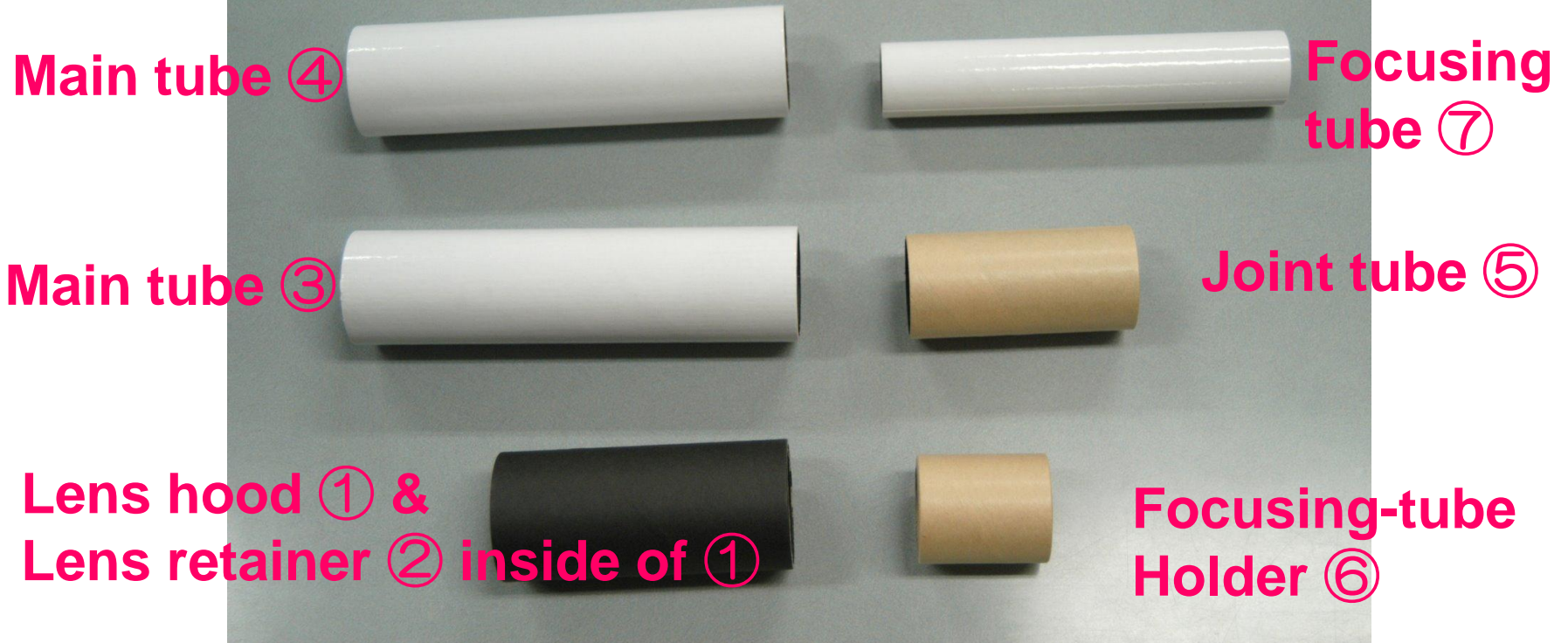
- Objective lens : Aperture 40mm
- Power: x35 (changeable by switching with optional eyepieces)
 - Focal length of the telescope is 420mm and focal length of the eye piece is 12mm
- Tube Framework: Paper



Please make sure all listed components present.



Parts of Main-tube



Please make sure all listed components are present.



Eyepiece

Objective lens

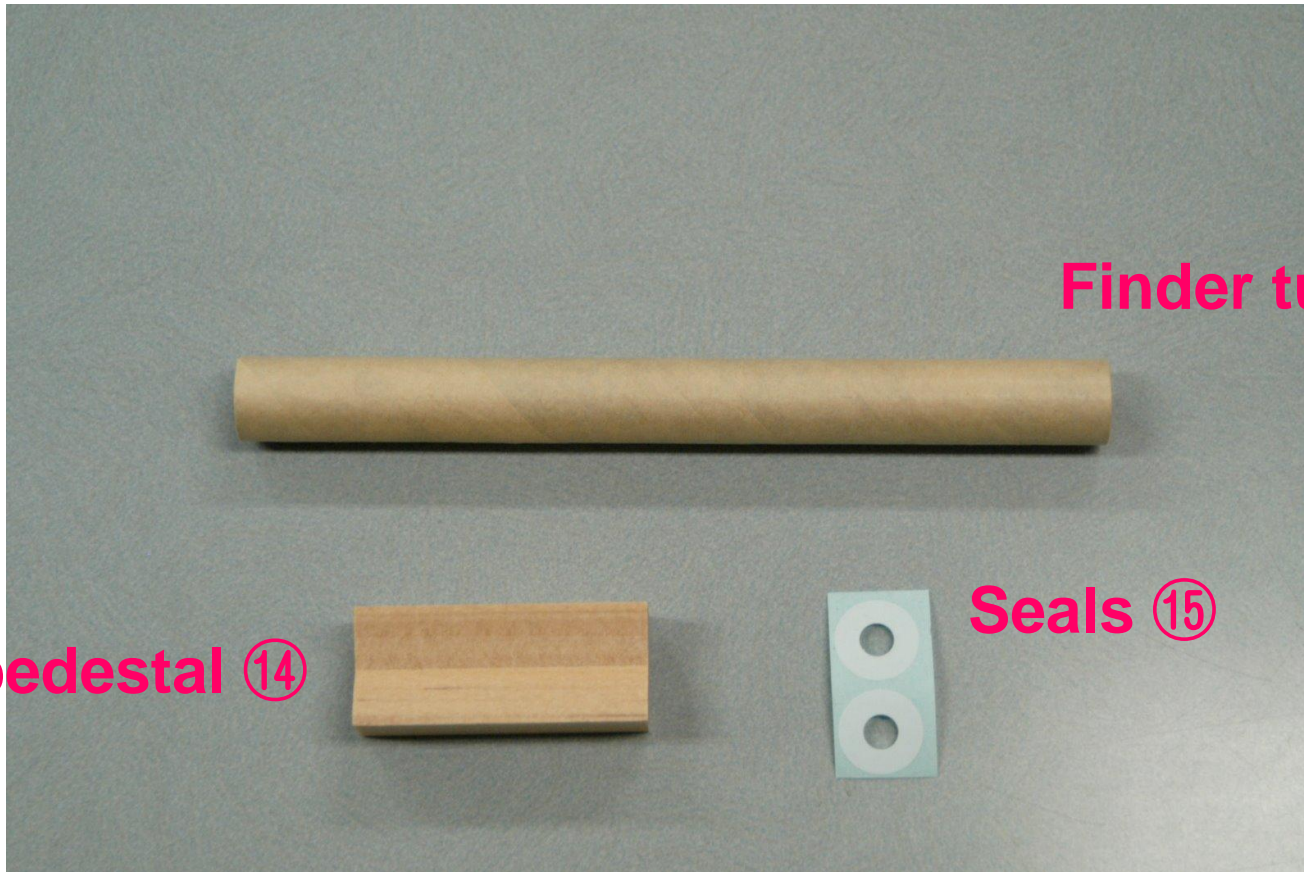


Tripod mounting plate ⑫

Please make sure all listed components
present.



Parts of guide scope



Finder tube ⑬

Finder pedestal ⑭

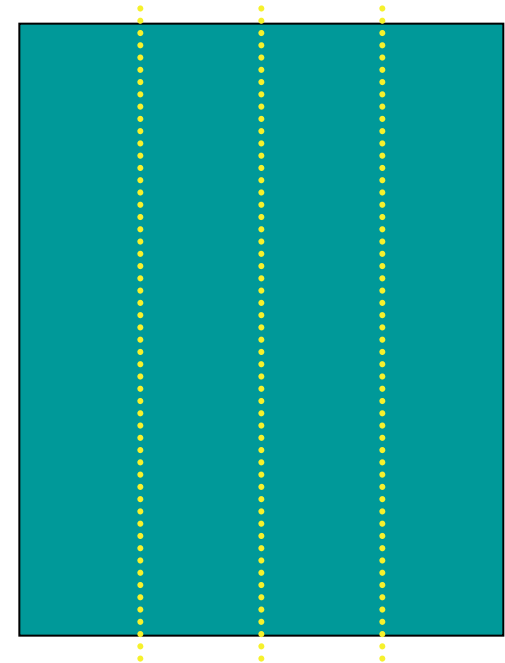
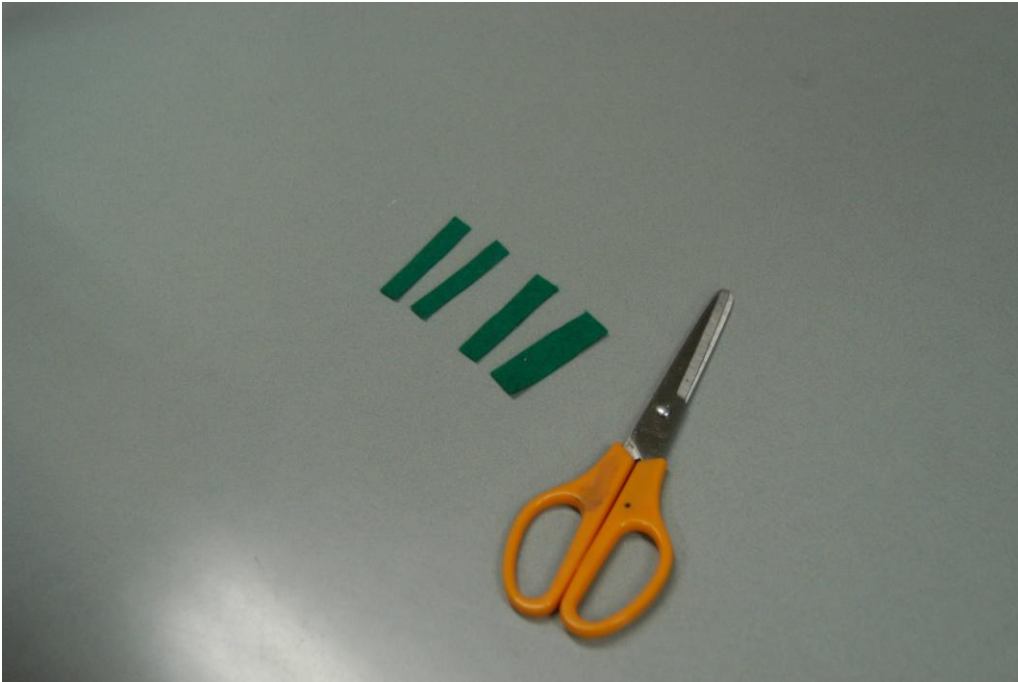
Seals ⑮

Step 1

Assemble inside of this part



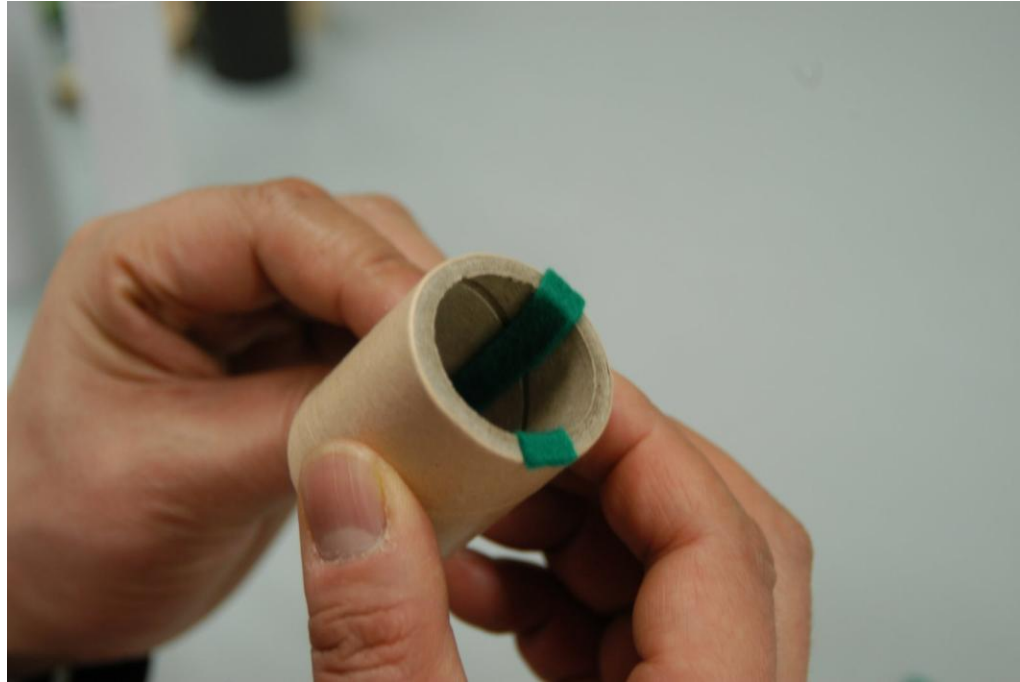
Cut the green sheet in 4 pieces



8

Please cut it in four along the long side.

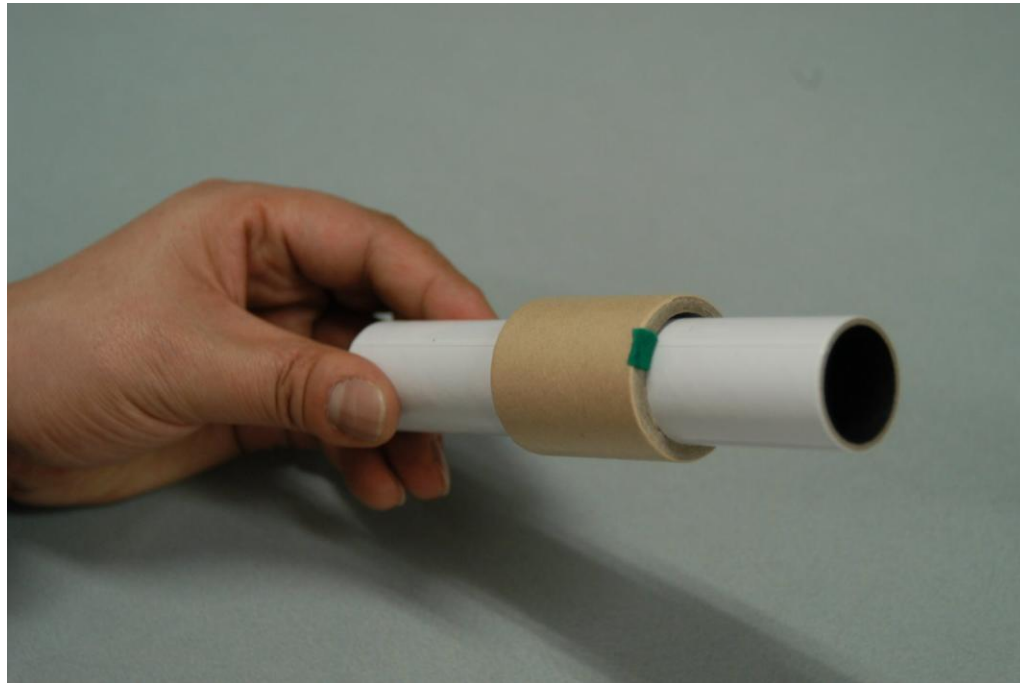
Stick the 2 green pieces to the tube ⑥



Bend the edge of each green piece to the outside a little.



Insert the long tube ⑦ into the tube ⑥

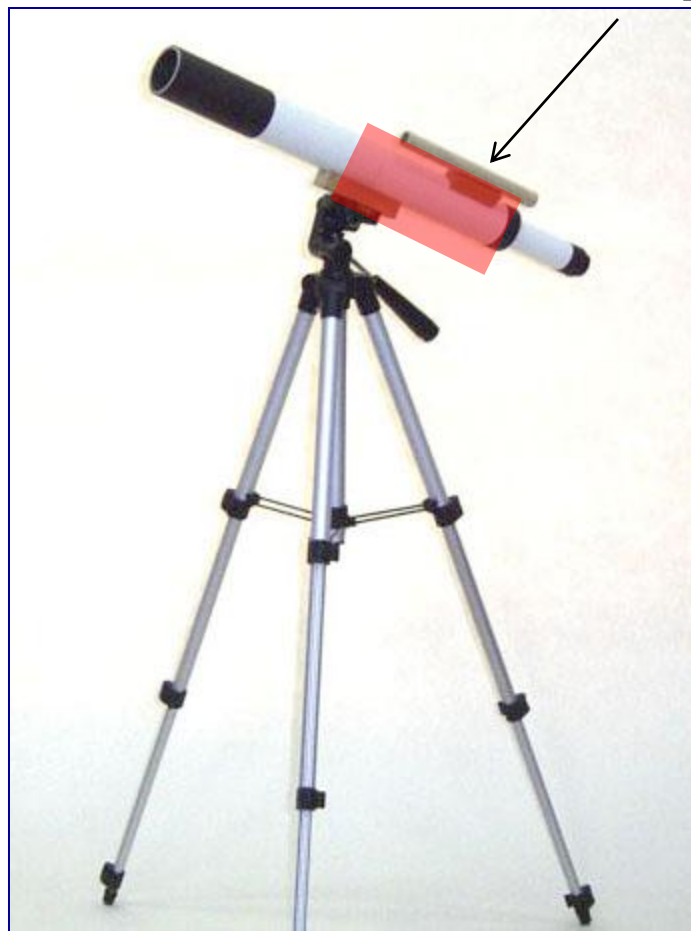


If it is loose, please stick one more green sheet into the Focusing-tube holder ⑥.

Finished the Step 1

Step 2

Assemble this part

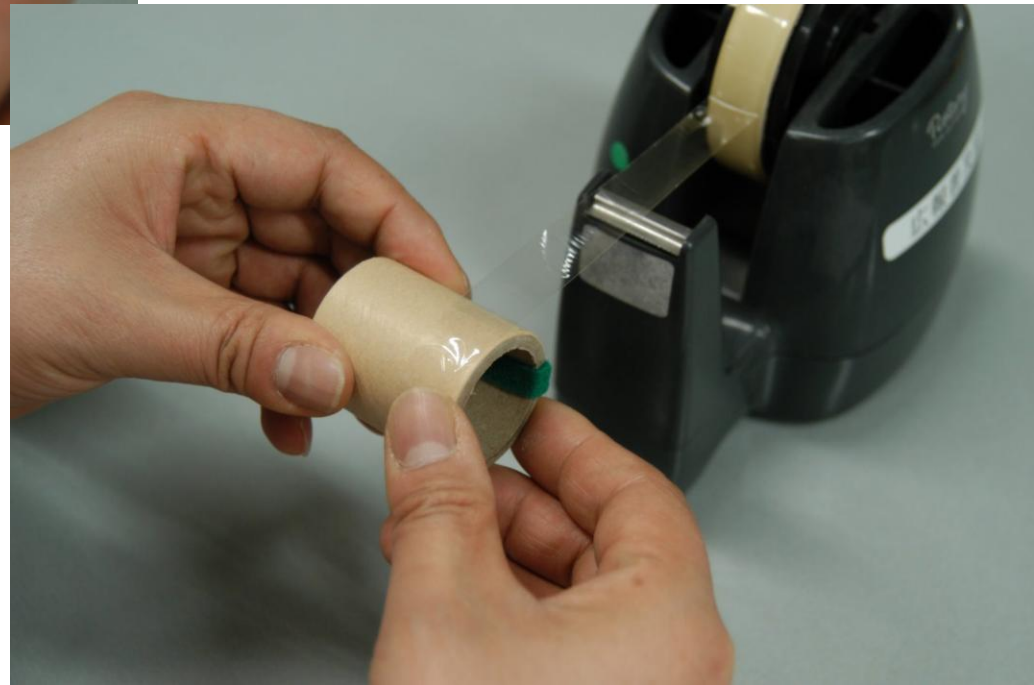




Insert the product of Step1 into the tube

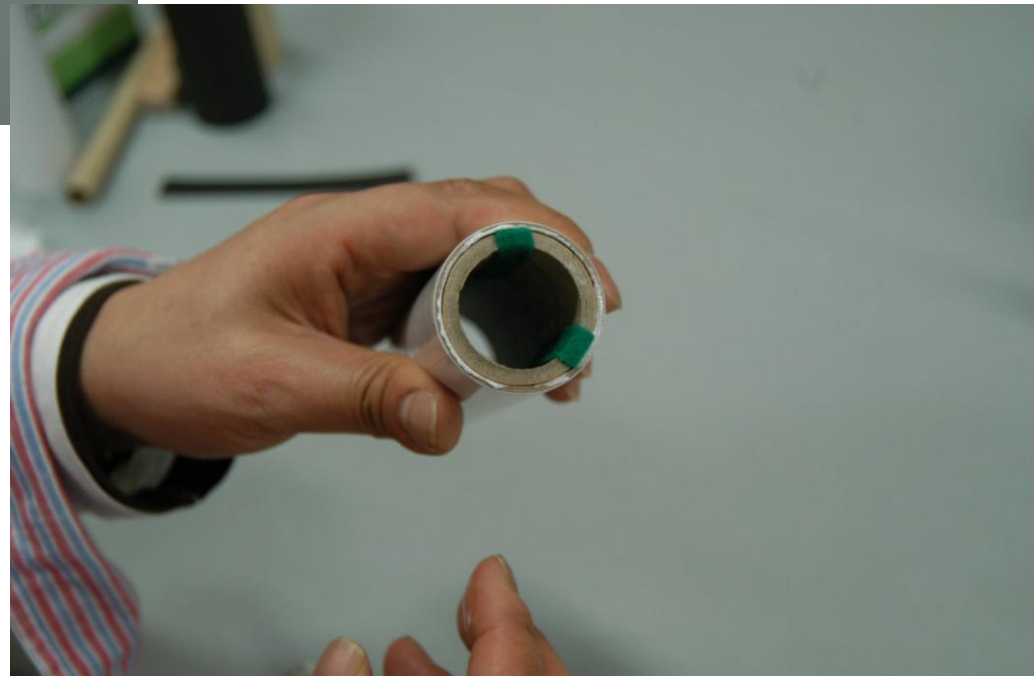


If it is loose, please wrap scotch tape around the Step 1 product.





After wrap the Step 1 product with enough amount of tape, please fix the Step 1 product to the tube ③ with glue.



Wrap a black tape around it



Finished the Step 2

Step 3

Assemble the lens cell





Insert the tube ② into the black tube



If it is loose, wrap scotch tape around the tube ②.

Fix with glue

Finished the Step 3

Step 4

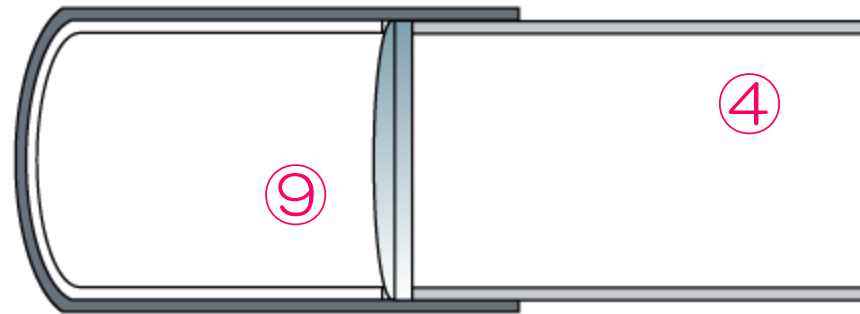
Fix the objective lens here



Fix the object lens



Step 3 product



Put the object lens between the Step 3 product and the tube ④

If it is loose, wrap Scotch tape around the tube ④. Then Fix with glue.



Finished the Step 4

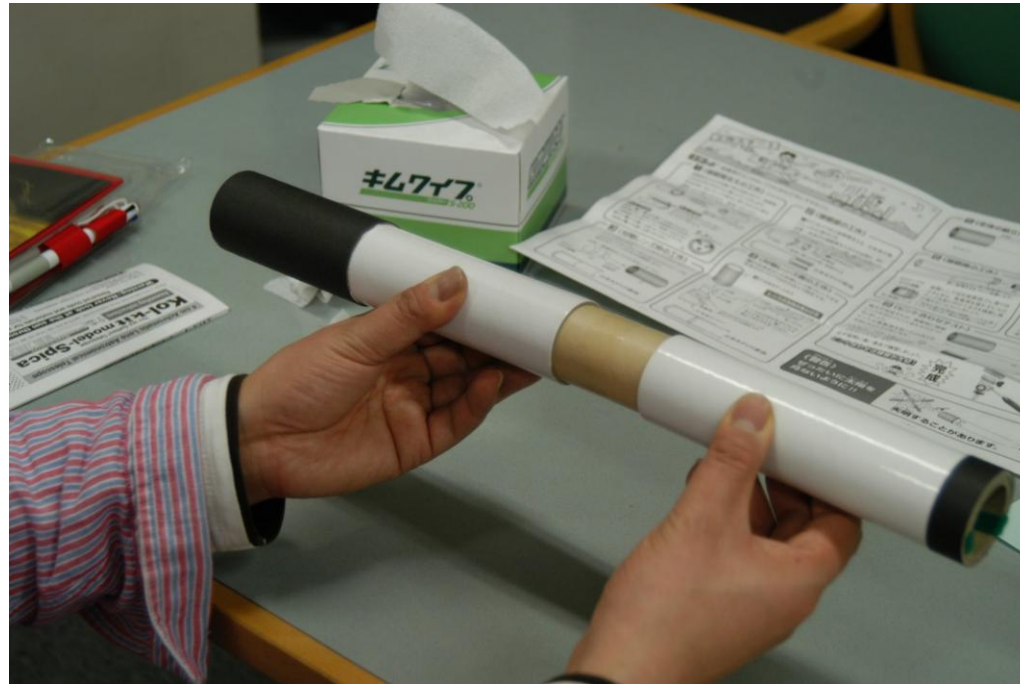
Step 5

Unite the parts





Connect the Step 2 product and Step 4 product by the pipe ⑤.



If it is loose, wrap Scotch tape around the pipe

⑤.

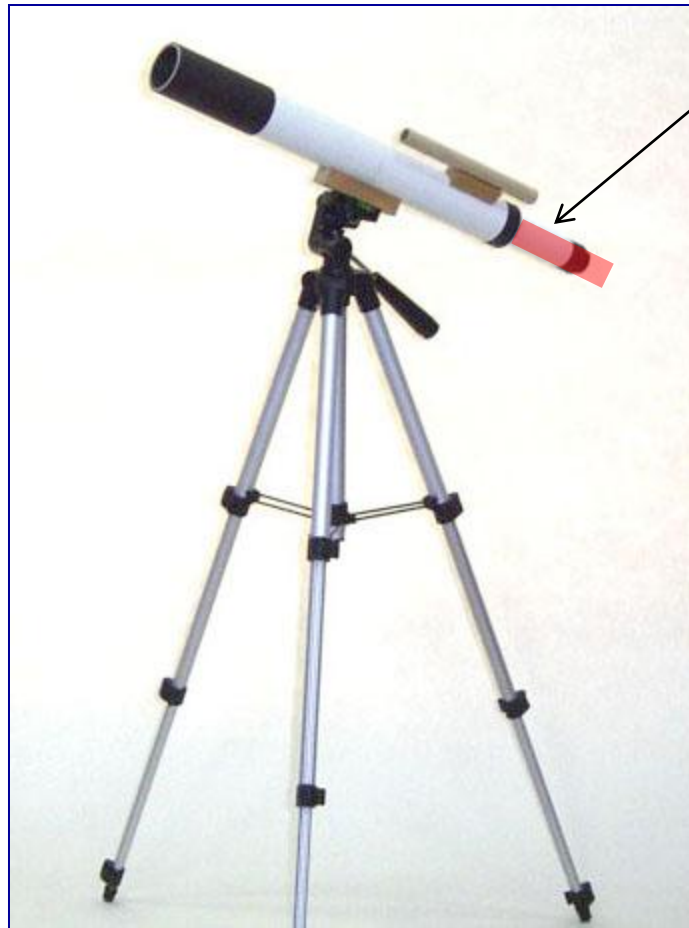
Then Fix with bond



Finished the Step 5

Step 6

Assembly of the Eye-piece tube





Put the lens ⑩ to the tube ⑦.
If it is loose, wrap scotch tape around the lens
⑩.



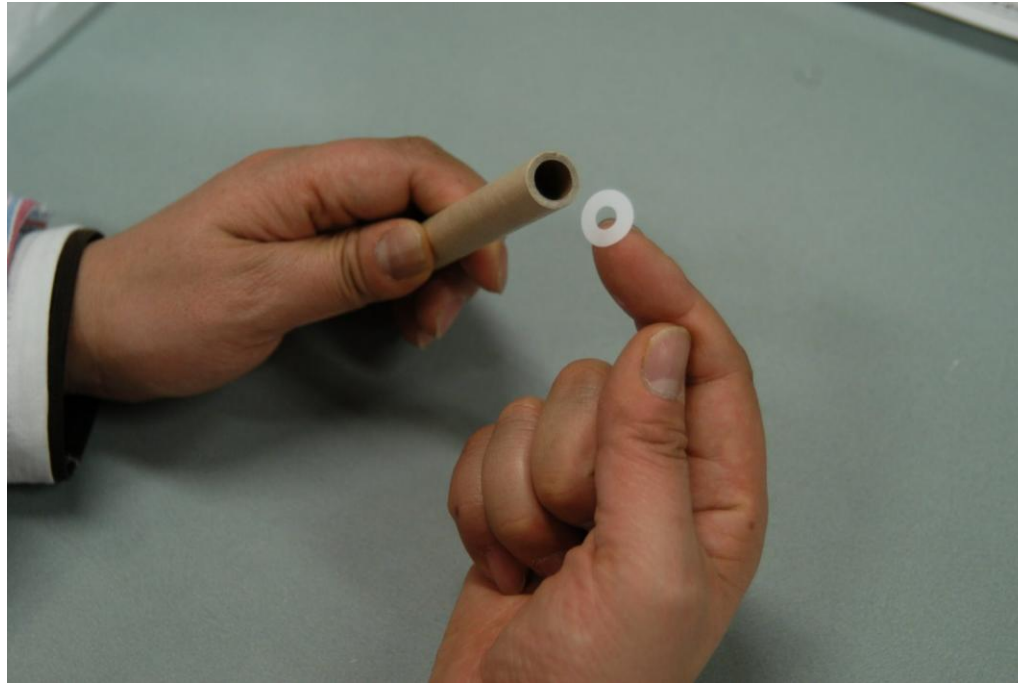
Insert the eyepiece tube to the Step 5 product.

Finished the Step 6

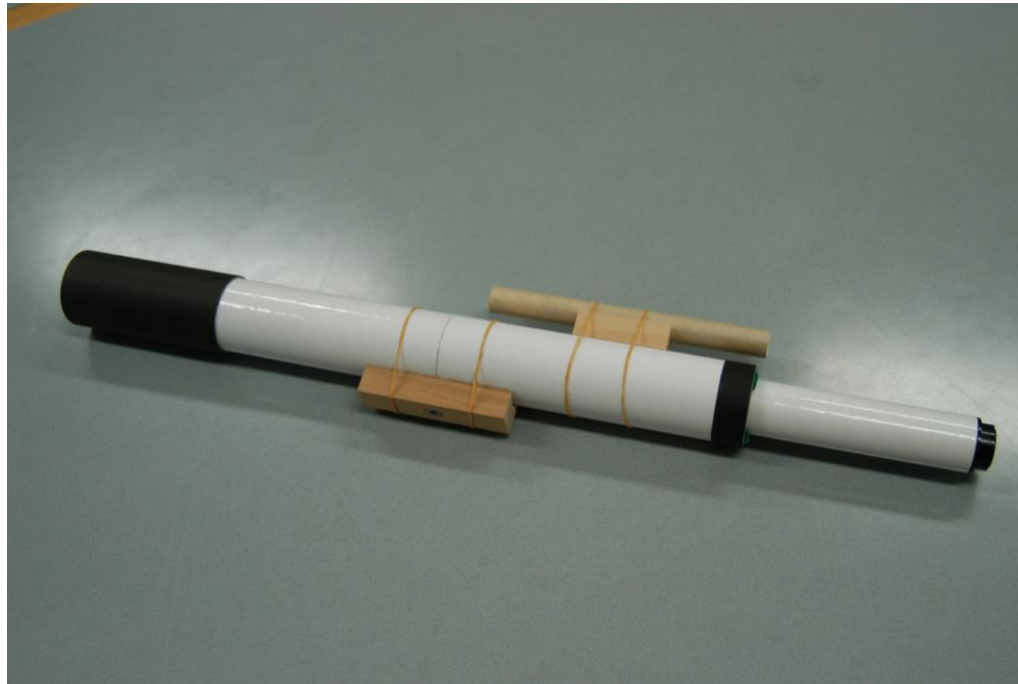
Step 7

Assembly of the finder





Put small circle seal ⑮ to the finder tube ⑬



Glue firmly finder pedestal ⑭ on the main tube.
Then fix the finder with the bands



Final figure

NEVER LOOK AT THE SUN

