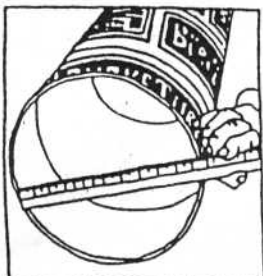


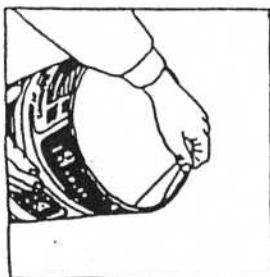
Preparing The Tube

1



The diameter of the telescope tube should be about 2" larger in diameter than the diameter of the objective mirror.

2



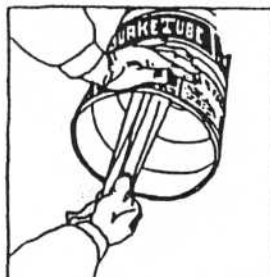
The plastic liner may be carefully peeled out of the inside of the tube.

3



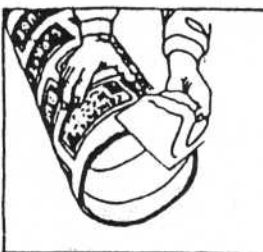
Peeling out the liner.

4



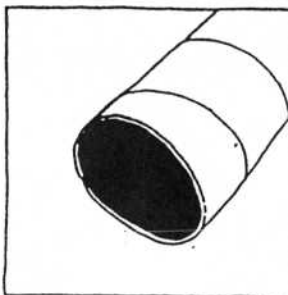
Slow, careful peeling helps keep the liner in one piece and makes it easier to remove.

5



Some tubes are waxed outside. If you plan to paint the outside of the tube, a light sanding will remove some of the wax and make painting easier.

6



The inside of the tube may be painted black.

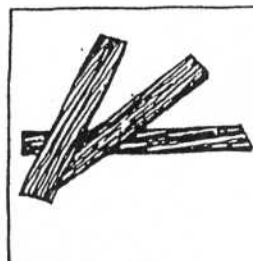
Making The Secondary Mirror Mount ("Spider")

7



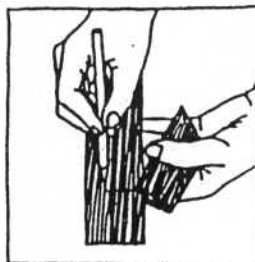
Dowel (dowel pole, or handrail stock) with one end cut at a 45 degree angle. Three grooves should be cut (with a thin blade) at equal (120 degree) intervals (about 1/4" deep) as shown.

8



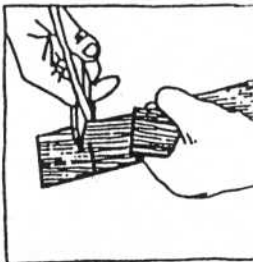
We will need three pieces of cedar shingle, each about 1 1/2" wide.

9



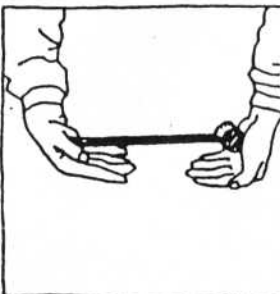
Marking the thin ends of the shingles where they fit snugly into the grooves in the dowel.

10



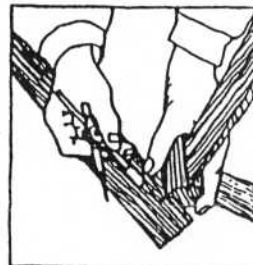
If the shingles are cut slightly concave (so they won't rock back and forth in the dowel and will fit snugly) they won't have to be glued in. Replacement will then be easy.

11



Shoving a shingle into the groove in the dowel.

12



Doing the same with the other two shingles.