



IN FOCUS APPLICATIONS INFORMATION FROM ORION TELESCOPE CENTER

Stock #5422 AZIMUTH ADJUSTER FOR CELESTRON TELESCOPES

Installation Instructions

Part 1 - Attach tripod-bracket to tripod.

1. Referring to diagram, remove two recessed socket-head screws from tripod leg pivot of two adjacent tripod legs.
2. Insert two metal spacers into recesses in castings.
3. Position the bracket over spacers and secure snugly with two $\frac{1}{4}$ -20 hex head bolts and washers.

Part 2 - Attach threaded rod to wedge.

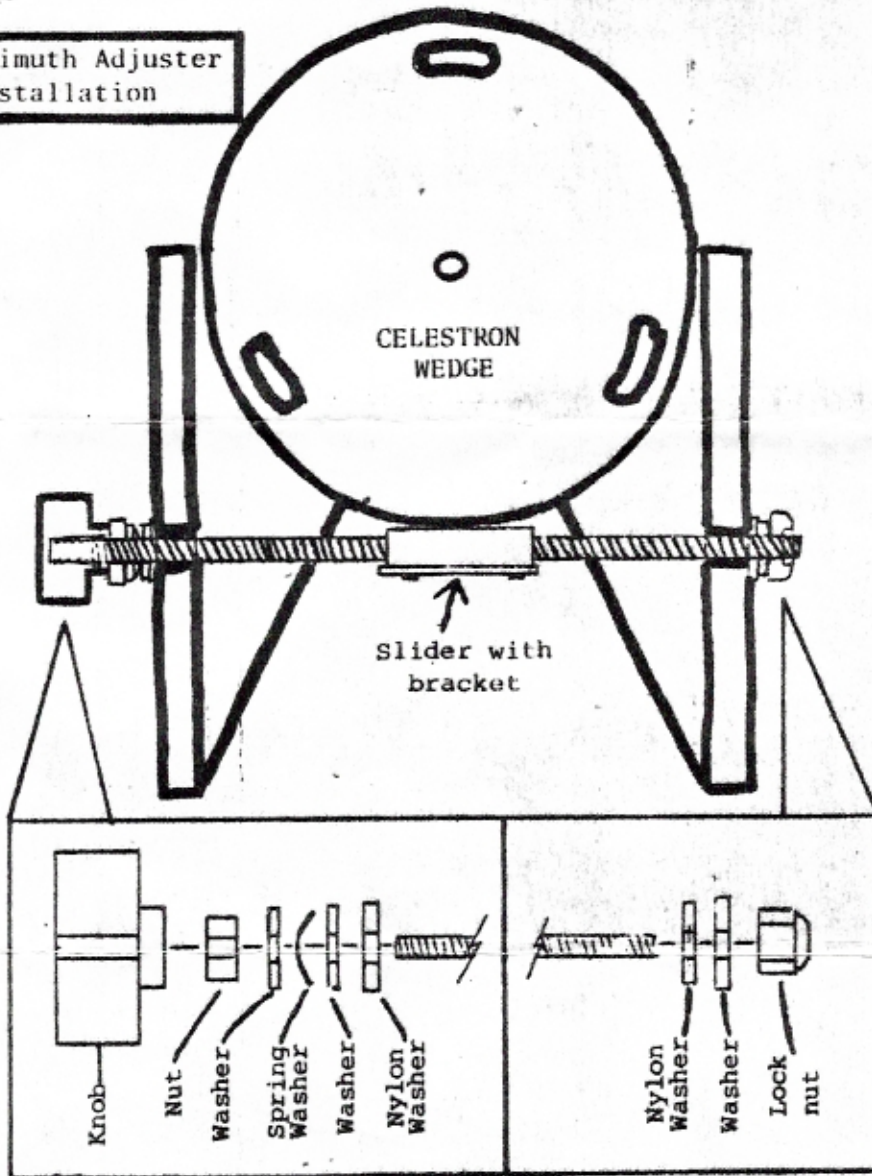
1. Cut the paper template out and position it as shown on the wedge, and center-punch or mark position to drill two holes in wedge. If center-punch is not available, tap small depression in aluminum wedge with hammer and nail.
2. Drill two $\frac{1}{4}$ -inch holes in wedge. For best accuracy, we recommend drilling a $\frac{1}{16}$ " hole first, then re-drill to $\frac{1}{4}$ -inch. Be sure holes are not too big.
3. Thread an ordinary nut about 1" on to threaded rod, then screw knob on the rod all the way. Tighten nut against knob with wrench to secure knob on rod.
4. Slide the metal, nylon, and spring washers over threaded rod in exact order shown on diagram. The washers that go on the end of the rod opposite the knob will be installed later.
5. Insert the free end of the rod through one hole in the wedge, and screw the slider with its attached bracket onto the rod half-way. Then slide the rod out the second hole on the far side of the wedge.
6. Put the nylon and metal washers over the end of the rod, and the special lock-nut goes on last. It's normally necessary to use a wrench to hold the lock-nut while you turn the knob to cinch down the lock nut.
7. Adjust the tension by tightening the lock-nut fully, then back the lock-nut off just enough to allow the knob to turn smoothly, but with a noticeable friction. (The curved spring washer should not be completely flattened or too loose.)

Use of the Adjuster

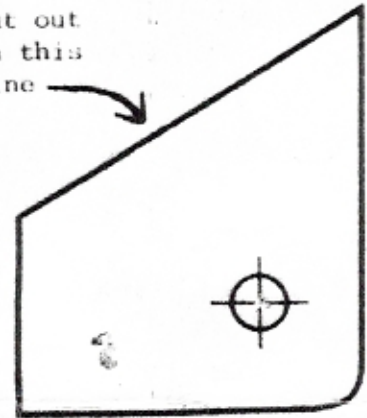
After attaching wedge to tripod in usual fashion, line up holes in slider bracket with threaded inserts in tripod bracket and secure with two knob bolts provided. When not in use, replace knob bolts in bracket to prevent loss.

To adjust azimuth in the field, slightly loosen the wedge-to-tripod bolts or knobs and adjust knob as required. As accurate alignment is approached, tighten knobs firmly. Do not force the adjustment knob when wedge-to-tripod bolts are tightened.

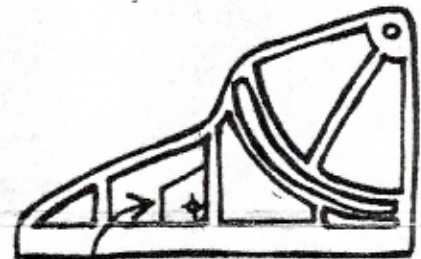
Azimuth Adjuster Installation



Cut out on this line



DRILL TEMPLATE
Reverse face for opposite side.



DRILL HERE

