

Antenna on Tripod

For the tripod (Figure 2-18), use the TOPCON Precision Wood Tripod or an expandable metal tripod.

1. Place the Tribraich-20 on the tripod and tighten the tripod screw, securing the base in place.
2. Place the Tribraich adaptor 2-30 on the base and tighten the bases locking screw.
3. Insert the horizontal spacer 1 into the PG-A1 antenna, then place the horizontal spacer 1 into the Tribraich adaptor 2-30.

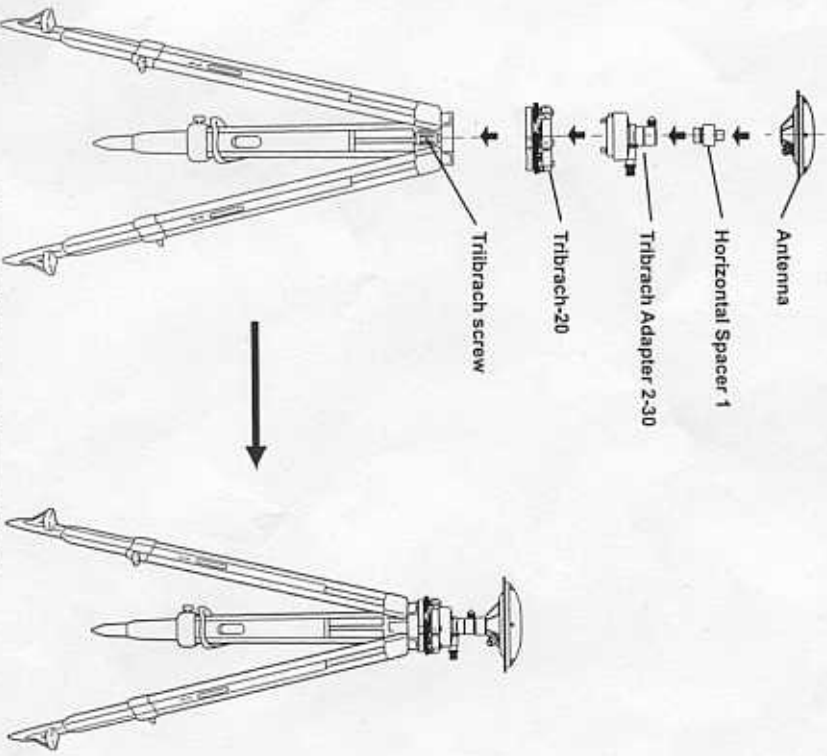


Figure 2-18. Antenna Setup on Tripod

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Use the following reference to level the tripod.

<p>1. Set Up the Tripod Extend the extension legs to suitable lengths and tighten the leg-screws.</p> <p>2. Attach the Antenna to the Tripod Place the antenna on the tripod head and slide the antenna by loosening the tripod screw. If the plumb bob is positioned over the center of the point, slightly tighten the tripod screw.</p> <p>3. Roughly Level the Antenna Using the Circular Level Turn leveling screws A and B to move the bubble in the circular level. The bubble is now located on a line perpendicular to a line running through the center of leveling screws A and B.</p>	<p>Rotate the instrument 90° (100g) around its vertical axis and turn leveling screw C to center the bubble once more.</p>
<p>Turn leveling screw C to center the bubble in the circular level.</p> <p>4. Center Using the Plate Level Rotate the instrument horizontally using the Horizontal motion/clamp screw and place the plate level parallel with the line connecting leveling screws A and B. Turn leveling screws A and B to bring the bubble to the center of the plate level.</p>	<p>Repeat step 4 for each 90° (100g) rotation of the instrument and check that the bubble correctly centers at all four points.</p> <p>5. Center Using the Optical Plummet Telescope Adjust the eyepiece of the optical plummet telescope to your eyesight. Slide the instrument by loosening the tripod screw, place the point on the center mark, and then tighten the tripod screw. Slide the instrument carefully to prevent any displacement of the bubble.</p>
<p>6. Level the Instrument Level the instrument as in step 4: Rotate the instrument, checking that the bubble is in the center of the plate level, regardless of telescope direction, then tighten the tripod screw to lock in position.</p>	<p>Level the instrument as in step 4: Rotate the instrument, checking that the bubble is in the center of the plate level, regardless of telescope direction, then tighten the tripod screw to lock in position.</p>