Easy Third Axis Level Pins Instructions

1. Most pins sights should come with their 2nd axis (pins) square to their 1st axis (sight block) to verify this hold the Easy Third Axis level on a square flat spot on the sight block, both the sight level and the Easy Third Axis Level bubbles should correlate. (Picture A) If they do not then adjust the sight level so they do. Some pins sights have an adjustable 1st axis, the important factor here is to make sure the pins are 90 degrees to the sight block. For this process to work the 1st axis (sight block) must be parallel to the bow riser.
2. Insert the threaded rod with the nylon jam nut into the level, it can be adjusted up or down depending on where you attach it so that you can see one pinhead above the sight and one below. Attach the Easy Third Axis Level to your bow riser, in the sight window so that it sits at a 90 degree angle to the riser. (Picture B) If there is no room in the sight window you can try it at the top of the rest portion of the riser or near the limb pockets or on the sight bar extension. Make sure it is free of tape and/or any residue that would not allow it to sit flat on the riser. The edge next to the bubble vial is the true side. The edge with the thumb screw does not have to be clean.
3. Make sure the level is tight and in a position where you can see both the level bubble on your sight and the level bubble in the Easy Third Axis Level. (Picture C) Level your 2nd Axis first by comparing the level on the Easy Third Axis Level and the level in your sight. They should match exactly with the bow held in a horizontal position as if you were shooting on flat ground. Make adjustments to the 1st axis (sight block adjustment if available) on the sight to make the bubbles correlate to the Easy Third Axis Level bubble. Your 2nd axis is now level and is adequate for shooting on flat ground.
4. *This step must be done at a minimum 30 degrees up or downhill angle. *Ignore the bubble on the Third Axis Level for this step. Next draw the bow back with an arrow in it using your release or fingers depending on your shooting style, to at least a 30 degree downhill angle. By drawing the bow you are getting the full effects of torque on 3rd axis caused by drawing the bow back. (Picture D)Third axis causes problems with up and downhill
   shots. You will now use the threaded rod as your indicator to tell you the 1st axis (sight bar) is perfectly plumb. The bubble in your sight and the bubble in the Easy Third Axis Level could be incorrect due to the torque change in the bow. Line up the vertical threaded rod with a vertical plumb surface (i.e. the bottom of a plumb door jamb). Check the bubble in the sight with the threaded rod in line with a vertical surface, the bubble in the sight needs to be in level. (Picture E) If the sights bubble is not in level then adjust the 3rd axis adjustment on the sight, if no adjustment is available, shim the sight attachment bracket until the bubble in your sight is level. Once you've adjusted the sight follow step 4. again to confirm the sight is level. Once the bubble in your sight is centered then your sight is completely level.
5. Now your sight is completely level. You can use the "Easy Third Axis Level" to re-check your sight at anytime by reattaching the Easy Third Axis Level and following the steps above. Keep it in your daypack, quiver, or archery tackle box to check your sight

anytime, anywhere. See our training seminar for a complete hands on leveling seminar for both tournament and hunting sights!

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