

My New Bow Arrived Today; Now What?



You Need to Set It Up!

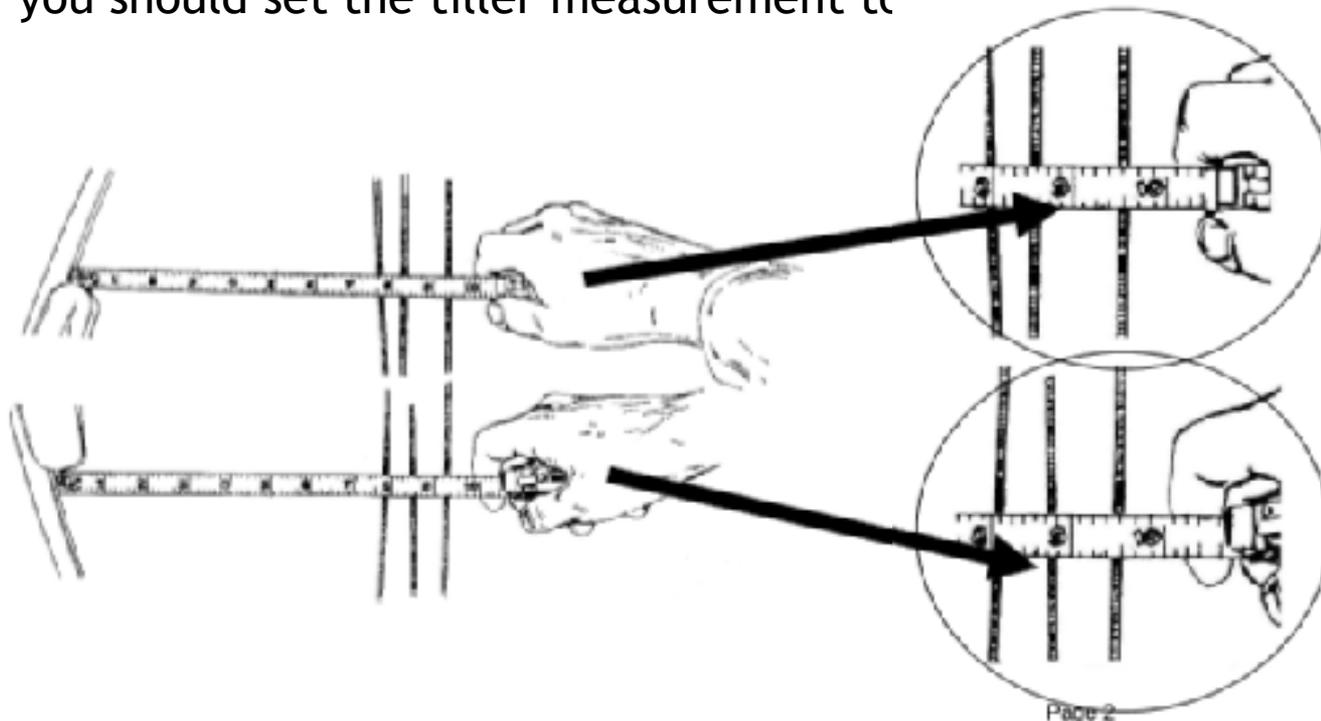
1. STRING LENGTH AND BRACE HEIGHT

Compound bows come set up from the factory and you should not make any adjustment to string length or brace height.

2. TILLER AND BOW WEIGHT SET UP

To change the bow weight/ tiller you simply use an “Allan” key and screw in or out each limb, in too increase bow weight and out too decrease bow weight.

Ideally you should set the tiller measurement to ZERO



3. ARROW REST and CENTER SHOT

RIGID (Blade type) REST



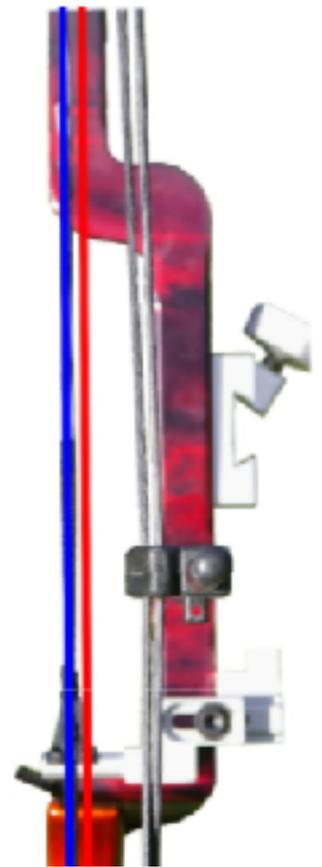
SPRING REST



DROP AWAY REST



Matthews Apex
Estimating Center Shot Using the correct arrow size, position your arrow on the string at the nock point. While holding the bow in front of you, visually align the bow string with the center line of the grip. The string should run true down the center of your arrow shaft. This is a good reference point to begin paper tuning. Note: A good starting point is 13/16" over from the riser to center of arrow shaft.



TOUR™

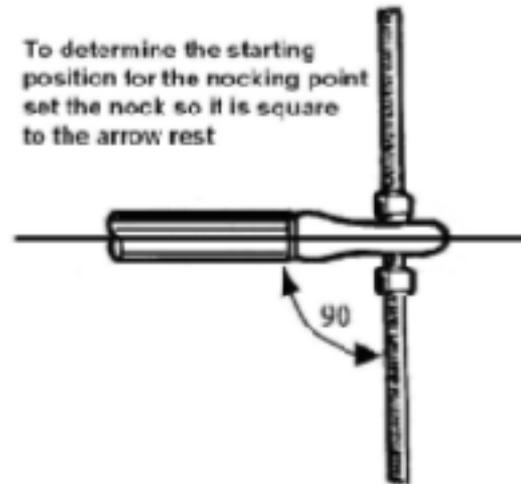
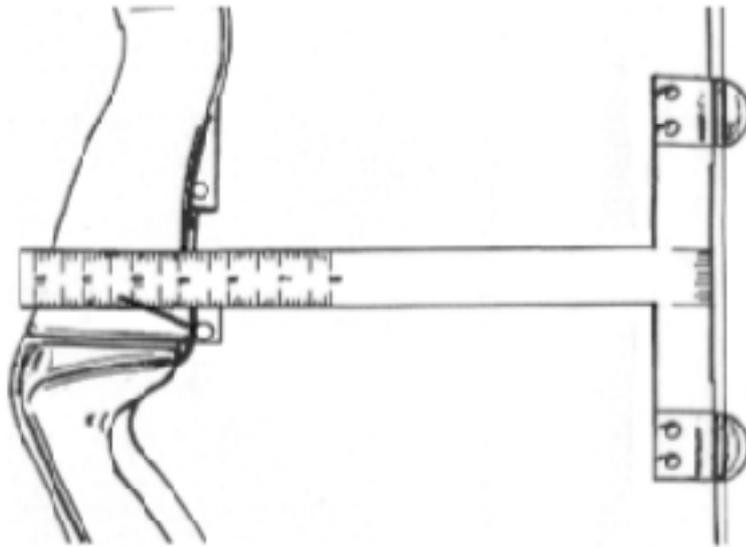
AXLE-AXLE	38" +/- .125"
BRACE	7 1/8" +/- .125"
STRING	58 3/8"
CABLE	41 15/16"
CENTERSHOT	1/8" - 11/16"
PEAK WTS	50, 60, 70



4. SETTING NOCKING POINT

This is only a temporary setting

- a. Place a “Bow Square” onto the string and arrow rest, taking into account how the arrow sits on the arrow rest.
- b. As a starting point, install the nocking points so the center of the arrow is square to the arrow rest or slightly above square.



The theory behind string loops, particularly the one that attaches above and below the arrow, is that the string is being drawn directly behind the arrow and not below the arrow which is the case with the loops attached to a release device.

It is believed that string loops reduce string wear, give a more direct draw behind the arrow and if there is the need to let down the arrow remains in the string, it is common for arrows to fall of the string when being let down.



5. CABLE GUARD

Compound bows come fitted with a “Cable Guard”.

Many cable guards are adjustable and you should make the necessary adjustment to ensure adequate clearance as the arrow moves forward

6. DRAW LENGTH

Each brand of bow and model may have different methods of adjusting draw length such as adjustable modules or replaceable modules.

Some brands have no adjustment and to change draw length you must purchase different size cams and cables which can be an expensive exercise.

7. Peep Sight

The next step is to install the peep sight. Peep sights sit between the strands of the string. To hold the peep in the string we attach moveable knots to either end of the peep sight.

To install -

- 1) Split the string evenly in half. It may be necessary to place the bow in a bow press to remove tension off the string.
- 2) Draw the bow back to your anchor point and move the peep up or down until you can clearly see through the sight.
- 3) Now tie the peep into the string.



8. WHEEL/CAM TIMING

The critical element of setting up and tuning a compound bow is timing of the cams (wheels). Both cams (wheels) should reach full draw at the same time and move forward together reaching brace height and releasing the arrow at the same time. To check wheel timing draw back the bow with the drawing board and observe the cams as they come to full draw. Both cams should arrive at full draw and roll over together, if not then you need to make adjustments.

Place the bow into a bow press and remove tension off the bow.

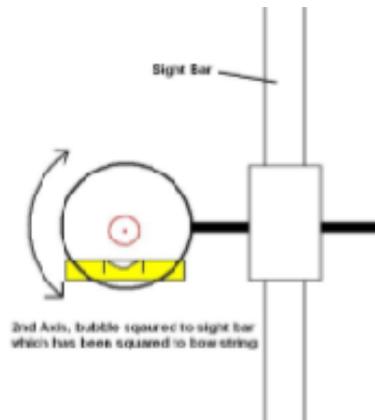
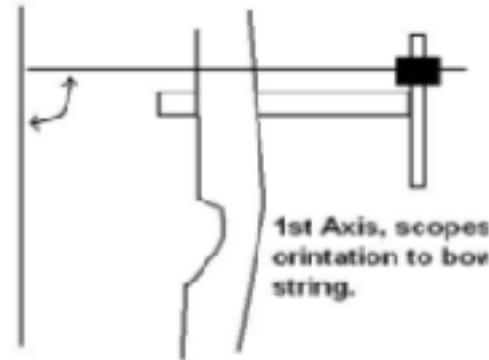
Remove one of the cables from the cam (wheel) and either add or remove twists as required.

Replace cable on cam (wheel) and remove tension and re-check timing again.

9 BOW SIGHT

Scopes have three axis planes and these need to be set up to ensure accuracy.

1st Axis This is the basic axis and relates to the scopes orientation to the string



2nd Axis The 2nd axis relates to the bubble being square to the sight bar and bow string.

3rd Axis Relates the Vertical Sight Bar to the String



10. TUNING YOUR BOW

Paper Tune

Walk Back Tune

Ref. EQUIPMENT SET UP COMPOUND BOW
Archery Australia Inc
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[Equipment Setup Compound Bow](#)

Ref.
The Nuts & Bolts of Archery. A Guide to Tuning
and Shooting Compound Bows
[http://archeryhistory.com/archerytalk/
The Nuts&Bolts of Archery.pdf](http://archeryhistory.com/archerytalk/The Nuts&Bolts of Archery.pdf)

