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The "Vince Tuning Method" (idler lean revision)

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Author	Message
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Moderator



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Posted: Wed 27 Sep, 2006 10:42 am Post subject: The "Vince Tuning Method" (idler lean revision)

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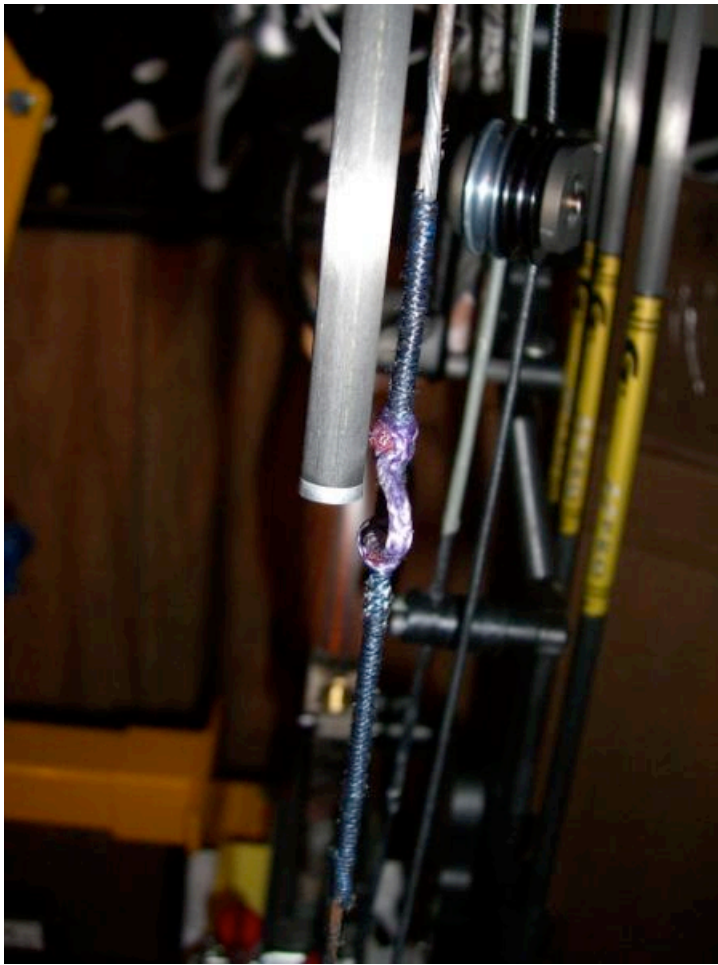
There has been much discussion about ATA and setting it properly. I have had many bows that needed tuning and one thing I have noticed is that rarely is there any consistency in how the idlers are aligned. This is due to the cable harness settling after the initial setup. Every single bow that I've tuned has exhibited excellent flight characteristics with the following method:

I max out the limbs to take my spec measurements. I press the bow and take the cable loop and twist until the ATA measurement on the shelf side corresponds to the following specs:

- 32" for the Reezen**
- 29.75" for the DXT**
- 29.75" for the Hyperlite**
- 33" for the S2**
- 37" for the Drenalin LD**
- 33" for the Drenalin**
- 31" for the Switchback XT**

Once this is set with the limbs maxed out I look at the cam to see where it's orientated. I adjust accordingly until the timing holes run parallel to the bowstring putting equal twists in both loops of the string to maintain the balance of the factory twist. After this is done I set my nocking point so the arrow sits perpendicular to the string. I then set my centershot to 13/16" at the berger button.

Once this is accomplished I run an arrow shaft flush with the bow arm side of my idler wheel. I then twist the cable harness so that a gap of a light 1/8" exists between the shaft and the string at the nocking point. (see pic) At rest the idler is canted inward from the riser on the top and outward at the bottom but at full draw it's straight up and down. A good rule of thumb to get you very close to right on is to use 12 full twists on the harness side where the quiver mounts and 9 full twists on the opposite side.



Every one of these bows that I've tuned like this has had excellent results. From this point, walk back tuning is a great way to dial in centershot to an ever greater degree as well.

Here's a great link to learn about walk back tuning:

http://backinspec.com/Walk_Back_Tuning.mht

Last edited by vince71969 on Mon 22 Dec, 2008 8:56 pm; edited 9 times in total
Last edited by Symo on Wed 27 Sep, 2006 10:46 am; edited 1 time in total

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