

Adjusting the Cushion Plunger's Spring Tension

A "Cushion Plunger" is a device that absorbs some of the arrow's flexing at the moment of acceleration, so the arrow doesn't bounce hard right and then left. It cushions the flex so the arrow doesn't wobble as much as it leaves the bow. That helps it get back on course more quickly which also allows the arrow to fly more consistently toward the intended target.

When installing your plunger for the first time, position everything on the main body to the far right. Then screw the plunger into the plunger bushing until it bottoms out against the adjustment nut.

Nock an arrow, align the string down the center of the limbs then look to see the relationship the tip of your arrow has to the string. Normally it is ideal if the tip of the arrow is slightly to the left of the string visually, for right handed archers. (Opposite for left handed archers.)

When you begin shooting your bow, if the arrows are grouping to the right of center (for a right-handed archer), stiffen the spring tension by turning the hex-head screw on the end of the plunger clockwise. This compresses the internal spring and increases its resistance (stiffens it) which should move your point of impact to the left.

Shoot another round and see if you need any additional adjustment. If your arrows are hitting the center of your target you are finished.

Note: Turning the end screw counter clockwise *decreases* the tension on the internal spring. Turning the screw clockwise *increases* the tension on the spring. The Cushion Plunger is pre-set at the factory with a medium tension spring. (0.3 mm thickness)

If you adjust the end tensioning screw all the way in and your arrows are still grouping to the right of the center, then you'll need to adjust the entire unit further past the sight window which will move the point end of your arrow more to the left.

In the future we will offer light and heavy springs as well to assist in fine tuning your bow.

For the Left-hand archer, everything is exactly the opposite.



>> With the 2.5mm Allen wrench turn the end screw clockwise to increase tension and counter-clockwise to decrease tension.

How to change the spring:



1 - Remove the set screw 2 - Twist off the he cap 3 - Replace spring with your spring of choice.