



## THANK YOU

---

**Congratulations on your recent purchase!** We at Bowtech know that you have a choice when it comes to your archery equipment, and we want to thank you for choosing us as your hunting partner. Your feedback is important to us, as it is our desire to provide you with the absolute finest products and customer service in the industry. Please take the time to go online and register your new Bowtech bow. It is equally important to read through this owner's manual as there are valuable tips to help keep your Bowtech trouble free for many seasons.

We encourage you to contact and utilize your local dealer as they can assist you with purchases, services, and accessories. To locate the dealer nearest you, visit [Bowtecharchery.com](http://Bowtecharchery.com) and click on the "Dealer Locator" button. Frequently asked questions and additional contact information can also be found at [Bowtecharchery.com](http://Bowtecharchery.com).

## WARNING!

**BEFORE USING YOUR NEW BOW, READ AND UNDERSTAND THE FOLLOWING MATERIAL OUTLINED IN THIS MANUAL. FAILURE TO FOLLOW ANY OF THESE WARNINGS AND INSTRUCTIONS CAN DAMAGE THE BOW AND MAY CAUSE SERIOUS INJURY, OR DEATH, TO YOURSELF AND/OR OTHERS. ALWAYS WEAR SAFETY GLASSES WHEN OPERATING OR ADJUSTING YOUR BOW.**

**NEVER DRY FIRE THE BOW. A DRY FIRE IS WHEN YOU RELEASE THE BOWSTRING WITHOUT AN ARROW OR WITHOUT A PROPERLY SEATED ARROW. DOING SO MAY RESULT IN SERIOUS INJURY OR DEATH, OR DAMAGE TO THE BOW.**

## YOUR SAFETY RESPONSIBILITIES

---

Your new Bowtech bow is a highly tuned, precise shooting machine. It requires special care and handling to achieve and maintain peak performance. The string, cables and limbs are under extreme tension, which creates an incredible source of energy that must not be taken for granted. Please respect this power and use it properly.

Bowtech bows are standardized to fit most manufacturers' accessories and will perform best when shot with a release.

**ADULT SUPERVISION OF ALL CHILDREN UNDER THE AGE OF 18 IS REQUIRED.** Bowtech has designed your bow to be a safe and fun product. However, as with any shooting style product, safety rules must be observed. It is **HIGHLY** recommended that these rules be read before using any bow.

Bows and arrows are **NOT** toys. For maximum safety and enjoyment, always exercise caution and common sense when shooting any bow.

**ALWAYS** use an appropriate backstop for maximum safety. An appropriate backstop must be constructed of a durable material and must extend beyond the perimeter of the target. The recommended backstop size is determined by the accuracy and ability of the shooter. With a low level of shooter accuracy, the backstop perimeter requirement must be increased appropriately.

**ALWAYS** check all arrow components prior to shooting, including nock, insert and tip. Loose components can cause unbalanced arrow flight and partial dry firing of the bow. If an arrow has been damaged, or if you believe it has been damaged, do not shoot it again, as it could break on release, and sharp arrow pieces could strike and injure you or someone nearby.

**NEVER** touch the cams or cables. If the bow "locks up" or you are unable to pull back the bowstring, never touch the cams or cables. Bring the bow to an authorized dealer for inspection.

**ALWAYS** wear safety glasses when handling/shooting the bow.

**NEVER** retrieve arrows or allow anyone else to do so until all arrows have been shot.

**NEVER** draw the bow without properly adjusted limb bolts (see "Adjusting Draw Weight" section for more information). Make sure the string and cables are properly attached to the correct post and in the correct tracks in order to avoid possible injury.

**DO NOT** attach anything to the cables or string that could create excessive wear or slice the string material. This will void the warranty.

**DO NOT** cross cables in any configuration other than the configuration set by the factory. This will have an adverse effect on the performance and shootability of your bow. Further, it may cause extreme wear to the string, cable, and cable-slide/roller guard.

**ALWAYS** inspect your bow before each use. Before you handle or shoot your bow, inspect the condition of the entire bow and all components (including strings, cables, spacers, limbs, and nocks), and accessories to ensure they are in good and proper working condition. If anything looks damaged or there are any concerns, do not use the bow and take it to be inspected by an authorized dealer.

**NEVER** draw or shoot a bow with damaged, frayed, or worn string or cables because they could break causing serious injury or death.

**UNDERSTAND PROPER BOW USE.** Before you handle or shoot your bow, it is recommended that you be trained in proper and safe use by a certified archery coach or instructor. There are local and national sources for this information, including local dealers. Online sources for certified coaches or instructional programs include USA Archery (<https://www.usarchery.org/coaches/find-a-coach>) and the Archery Trade Association ([www.archery360.com](http://www.archery360.com)).

**Any alteration from the factory specifications or the adjustments outlined herein will void the factory warranty. ALL maintenance must be performed at an Authorized Bowtech Dealer.**

## QUALITY

---

Every Bowtech bow has undergone a comprehensive quality control process and is built from the highest quality components available.

## CUSTOMER SERVICE

---

Bowtech's Customer Service will prove, not only, that our products are innovative and industry leading, but that our service is one of a kind. Do not hesitate to call us at 888-689-1289 or email at [info@Bowtecharchery.com](mailto:info@Bowtecharchery.com) if you have any questions on our products or warranty process.

## TUNING AND PROPER FIT

---

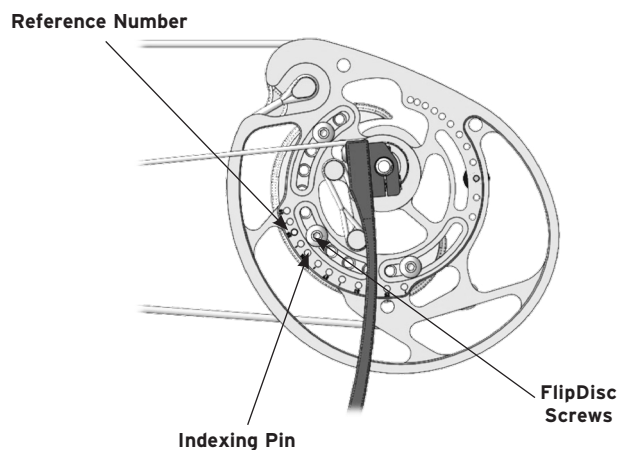
It is very important that your bow is adjusted to fit you properly. Assistance in achieving proper fit should be provided by your Authorized Bowtech Dealer. The draw length of all current Bowtech bows can be adjusted without draw length specific modules. The Rotating Mod System makes this feature possible. By simply rotating the module clockwise or counterclockwise, your draw length can be adjusted in 1/2 inch increments. Your Bowtech Ascend Series bow comes equipped with the FlipDisc rotating module system.

## CHANGING DRAW LENGTH

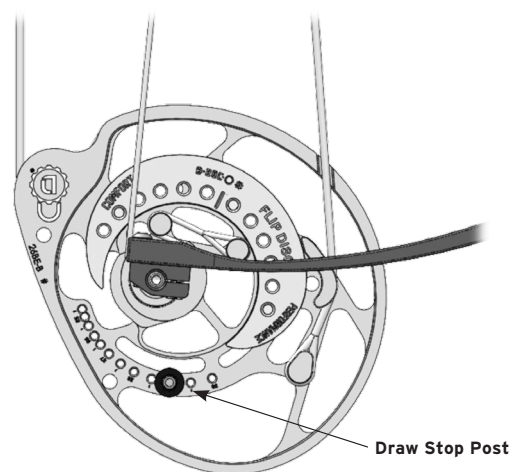
---

### Refer to Figure 1 & 2

1. A bow press may be needed to change the draw length in some settings, and as such, your Authorized Bowtech Dealer should perform these adjustments.
2. Notice the numbers on the cam and the reference pin on the FlipDisc. The numbered marks correspond to the draw length setting. For example, placing the module pin in the hole marked with the number "30" corresponds to a 30" draw length setting
3. To adjust the draw length, rotate the FlipDisc so that the pin on the FlipDisc lines up with the desired draw length setting on the cam.
4. It is recommended that all FlipDisc screws are torqued between 22 and 25 in-lbs in conjunction with Blue Loctite 242 once the desired setting has been determined. Ensure that both Discs are set to the same setting before drawing your bow.
5. After repositioning the FlipDisc, you will need to reposition the draw stop post. To do this, use a 3/32 inch hex wrench to remove the post from its current position.
6. Screw the post into the hole that matches (in most cases) the numbered slot that you placed the FlipDisc indexing pin in. For example, if the FlipDisc was placed in the 29" position, the draw stop post should also be placed in the 29" position.



**Figure 1: FlipDisc Settings**



**Figure 2: FlipDisc & Post Settings**

## ADJUSTING THE FLIPDISC™

Your new Bowtech bow features FlipDisc™ Technology. You can easily adjust the FlipDisc to your desired setting by following these simple instructions.

1. Bowtech recommends that you finalize all draw length adjustments prior to adjusting the FlipDisc setting. Use a hex wrench to remove all FlipDisc screws completely.
2. Both FlipDiscs have “Performance” and “Comfort” labels (see Figure 3A). The FlipDisc setting is changed by swapping the FlipDiscs from one cam to the other. To utilize the Performance setting, set the FlipDiscs so that the word “Performance” is visible on the inner side of the limbs. To utilize the Comfort setting, set the FlipDiscs so that the word “Comfort” is visible on the inner side of the limbs.
3. Replace the FlipDisc screws with the FlipDisc in the desired draw length position and secure (See Figure 3B).
4. It is recommended that all FlipDisc screws are torqued between 22 and 25 in-lbs in conjunction with Blue Loctite 242 once the desired setting has been determined. Ensure that both Discs are set to the same setting before drawing your bow.

**Caution - Bowtech strongly recommends the use of blue removable Loctite on all FlipDisc screws on cams.**

Figure 3A: Comfort/Performance Settings

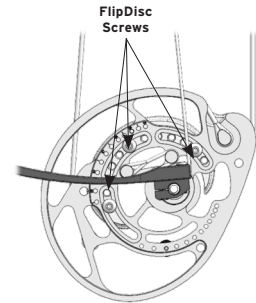
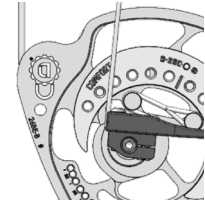


Figure 3B: FlipDisc Adjustment

## ADJUSTING THE STRING POSITION WITH THE DEADLOCK LITE CAMS

Your new Bowtech Ascend Series bow features the DeadLock Lite Cam System with the unique ability to fine tune the string path quickly and easily for optimal accuracy. With any adjustments to your Bowtech bow, it is highly recommended you visit your local dealer. Fine tuning of the string path can be accomplished by utilizing the DeadLock Lite Cam System Tuning Screw.

### To adjust the DeadLock Lite cam system (see Figure 4):

For right-handed bows:

1. Loosen by turning both Tuning Lock Screws to the left (counterclockwise) using a 7/64 hex wrench.
2. To move the cam to the left, turn the Tuning Screw to the right (clockwise) using the same 7/64 hex wrench.
3. To move the cam to the right, turn the Tuning Screw to the left (counterclockwise).
4. Once the desired position is set, lock the DeadLock Lite Cam system by turning and hand tightening both Tuning Lock Screws to the right.

For left-handed bows:

1. Loosen by turning the Tuning Lock Screw to the left (counterclockwise) using a 7/64 hex wrench.
2. To move the cam to the left, turn the Tuning Screw to the left (counterclockwise) using the same 7/64 hex wrench.
3. To move the cam to the right, turn the Tuning Screw to the right (clockwise).
4. Once the desired position is set, lock the DeadLock Lite Cam system by turning and hand tightening the Tuning Lock Screw to the right.
5. For a right tear, move the cams to the right. For a left tear, move the cams to the left. 1/2 - 3/4 turn corrects ~ 1" paper tear (varies by bow / shooter).

### To reset the cams to zero:

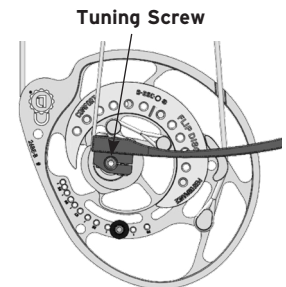
For right-handed bows:

1. Loosen by turning the Tuning Lock Screw to the left using a 7/64 hex wrench.
2. Turn the Tuning Screw to the left (counterclockwise) until the cam stops on the right side.
3. Turn the Tuning Screw 1/2 of a full rotation to the right (clockwise). This will set your cams at zero and assure they are lined up on the axles.
4. Repeat this step for both top and bottom. Ensure both the top and bottom cams are moved equally when making adjustments.

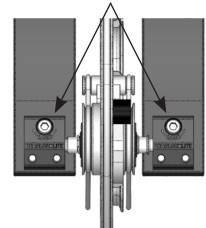
For left-handed bows:

1. Loosen by turning the Tuning Lock Screw to the left using a 7/64 hex wrench.
2. Turn the Tuning Screw to the left (counterclockwise) until the cam stops on the left side.
3. Turn the Tuning Screw 1/2 of a full rotation to the right (clockwise). This will set your cams at zero and assure they are lined up on the axles.
4. Repeat this step for both top and bottom. Ensure both the top and bottom cams are moved equally when making adjustments.

Figure 4: DeadLock Lite Adjustment



Tuning Lock Screws



## SETTING THE DRAW WEIGHT

Consult your local Authorized Bowtech Dealer for information regarding weight adjustment for your bow model. All bows perform best at peak weight. Draw weight can be adjusted by using a hex wrench to either tighten or loosen the limb bolt. The specific method for adjusting draw length varies by model as described below.

**WARNING: DO NOT TURN THE LIMB BOLTS OUT MORE THAN THE RECOMMENDED AMOUNT.** Doing so could cause the limbs to break out of their pockets and result in bodily injury.

Draw weight on the Ascend can be adjusted 15 pounds down from the bow's peak draw weight. For example, if the bow is shipped as a 60 pound model, the draw weight can be adjusted down to 45 pounds. The procedure is as follows (see figure 5):

Using a 7/32 inch hex wrench tighten or loosen the limb bolt to increase or decrease draw weight. One full turn equals approximately 1.5 - 2 pounds. DO NOT back out the limb bolt beyond the barrel nut. The top and bottom limb bolts should always be adjusted in sequence. Make no more than 3 turns at a time on each end, alternating between the top and bottom.

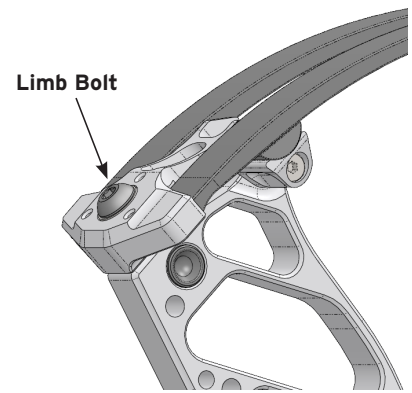


Figure 5: Draw Weight Adjustment

## ADJUSTING CAM TIMING

There are small indentations or "timing marks" on the FlipDisc side of the cam near its perimeter. When viewing the bow directly from the module side of the cam, the cable should be approximately centered in between the timing marks as shown in Figure 6. Adjusting the timing requires that the bow be put in a press, and as such, your Authorized Bowtech Dealer should perform all timing adjustments.

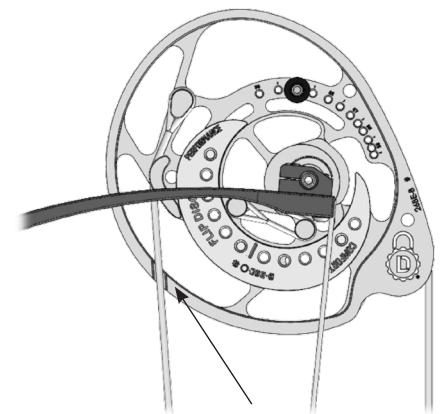


Figure 6: Timing Marks

## ADJUSTING THE STRING STOP

To increase the effectiveness of your string stop dampener you want it to maintain contact with the string at rest. If you have backed down the draw weight to set your draw to your comfort level you may need to adjust your string stop as your brace height may have increased. To do this, loosen the side set screw on the riser as shown (Figure 7) with a 3/32 hex wrench. Pull out the string stop until it makes contact again with the string. Verify that the string stop is oriented correctly and retighten the set screw.

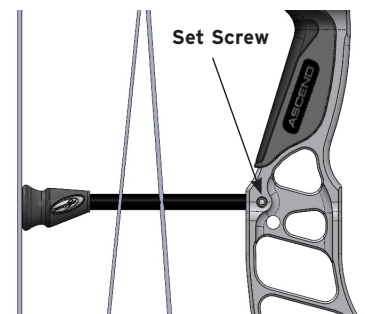


Figure 7: Adjusting the String Stop

## BOW MAINTENANCE

---

Your Bowtech bow was made with the highest quality components to last for a lifetime of use in the field with proper maintenance. However, it is a mechanical device that is subject to wear and need of maintenance, adjustment, or servicing. It is important that you **NEVER** draw and release a bow without an arrow on the string. This could not only seriously hurt you, but can damage your bow. If the bow is dry fired at any time, take it to your local dealer for a complete inspection. **NEVER** leave your Bowtech bow in an area of extreme temperatures. This could cause your string and cables to stretch, which effects timing.

Before shooting your bow, **ALWAYS** inspect the string and cables and check the limbs for any visible damage. If damage is found or if anything seems out of place, take the bow to your local Bowtech dealer for inspection or repair.

Your Bowtech bow comes equipped with sealed bearings in both cams. There is no need to lubricate cams.

## STRINGS & CABLES

---

Your new Ascend bow is equipped with a 4 track cam with a ring style cable spreader to separate the yoke cable to provide clearance for the cams. Care must be taken to ensure cables are routed correctly (see figure 8) before removing the bow from a bow press and applying tension to the strings and cables.

It is recommended that you cycle the bow 10-20 times to settle the string as a result of relaxation during packaging and shipping.

**Wax the string often.** We recommend BCYML 6 synthetic string wax or an equivalent product.



Figure 8: 4 Track Cam Ring

Apply wax liberally to entire length of string. Rub briskly with fingers until the string appears slick. Remove all excess wax with a clean cloth. We recommend that you wax every other time you shoot your bow to lengthen the life of your string and cable sets.

## LIMITED LIFETIME WARRANTY

---

Sign up for the limited lifetime warranty at:

**REGISTERYOURBOW.COM**

**For the warranty to be enforceable the original purchaser must complete and submit the online registration form within 30 days of purchase.**

All Bowtech bows come with a non-transferable limited lifetime warranty to the registered original owner against defects in material or workmanship, that occur under normal use. This limited warranty does not include any damage due to abuse, misuse or modification to the bow's design. This limited warranty extends only to the first purchaser, and is subject to the following terms, conditions, and limitations.

### WARRANTY SERVICE

Since you are our greatest asset, we want to give you the highest quality and most efficient service possible. There are two ways you can request warranty repairs for your Bowtech products.

Option 1: Contact our Customer Service Team at 888-689-1289 to work directly with a representative that will help you determine the best way to repair your product.

Option 2: Contact your nearest authorized dealer for your warranty repair. They will facilitate the inspection and diagnosis of any problem.

In the event that a bow must be returned for factory service, a Return Merchandise Authorization (RMA) number must first be obtained for your return product. Bows returned to the factory without an RMA number will not be accepted. Bowtech will not be held responsible for any lost product without proper documentation of an RMA number.

The bow owner is responsible for the return prepaid freight to Bowtech. No COD shipment will be accepted. Bowtech will perform the warranty service required and return the product to the dealer prepaid.

- All methods of shipping by UPS or FED-EX only. Sender should insure all shipments.
- If your bow can't be repaired, we reserve the right to replace the it with a newer model of greater or current market value.
- Bowtech reserves the right to substitute any parts required for warranty coverage at its sole discretion.

### EXCLUSIONS

Cables and strings, bearings, paint, hydrographic film and/or other transferred finishes, accessories to include: sights, arrow rests, string silencers, quivers, or any other components included as part of an accessory package.

Damage caused by abuse, mishandling, dry-firing, alteration or modification to original product. Other excluded damages are those resulting from either loose mod screws or shooting arrows less than five grains per pound of draw weight. Damage caused by altered or damaged arrows and/or string dampening material, including original and aftermarket parts, is also excluded.

This limited warranty is the sole warranty made by Bowtech and, to the extent permitted by law, Bowtech makes no other warranties, express or implied.

**TO THE EXTENT PERMITTED BY LAW, BOWTECH EXPRESSLY DISCLAIMS ALL STATUTORY AND IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.**

If such implied warranties cannot be disclaimed under the law, Bowtech limits the duration and remedies of such warranties to the duration and remedies set forth in this limited warranty.

It is agreed that Bowtech shall not be liable for incidental, consequential, indirect, special, exemplary, or punitive damages arising out of or relating to this product or the terms of this limited warranty, regardless of a failure of any remedy of its essential purpose. To the extent permitted by law, the exclusive remedy against Bowtech for any and all claims, losses, injuries, or damages arising out of or related to this product or the terms of this warranty shall not exceed the price paid for the bow. You have 12 months from the accrual of the cause of action to commence any legal action arising from the purchase or use of your bow.

**DISCLAIMER OF LIABILITY:** By accepting a Bowtech product, the buyer agrees to hold harmless Bowtech and all associated parties from liability for any damage to persons or property, which may result, for any reason, from the use of

To the extent any provision of this limited warranty is found to contravene the law of any jurisdiction, the remainder of the warranty shall not be affected thereby.

***We encourage you to contact and utilize your local dealer as they can assist you with setting up your bow, tuning, purchases, services and accessories. To locate the dealer nearest you, visit [Bowtecharchery.com](http://Bowtecharchery.com) and click on the "Dealer Locator" button. Frequently asked questions and additional contact information can also be found at [Bowtecharchery.com](http://Bowtecharchery.com).***