



## WELCOME !

Congratulations on your purchase of your new bow and welcome to the Ben Pearson family!! Ben Pearson has been around since 1927, we have pioneered the modern bow era. Ben Pearson bows perform like no other bow. Quality is a must, but your safety is just as important to us.

## OWNER'S RECORD

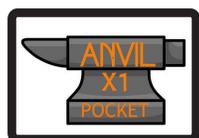
Every bow that is manufactured here at Ben Pearson goes through a series of extensive testing to ensure the highest quality. Once the bow is manufactured and has met quality control procedures. The bow has to be approved for shot testing to ensure the bow is safe and meets standards. Once shot testing is approved and the bow has met our elaborate standards it is approved to be shipped as well. Every Ben Pearson bow has been hand shot, tested and measured to ensure every bow meets our strict standards. All models feature an adjustable let-off range up to 80% and draw length modules are available in 1/2" increments. All Legend cams (LS4 & LMS) will use the LG Mods, and the S2 cams will use the S2 Mods.

## BINARY CAM SETUP & TUNING

The Legend and S2 Cams are modular adjusted, so when changing the draw length module, it is also necessary to readjust the Draw Stop setting. Draw length modules are available in 1/2" increments on all Binary Cam models. You may need to reset your draw to the correct length. Use the module that fits your individual draw length and readjust the Draw Stop setting according to mod chosen, before attempting to fine tune your let-off. See your Authorized Ben Pearson Dealer for proper draw length adjustment, new module installation, and Draw Stop setting instructions.

## SETTING THE PEAK WEIGHT

Consult your local authorized Ben Pearson dealer for information regarding weight adjustment for your bow model. Peak draw weights are adjustable approximately 10 pounds downward depending on the model. Ben Pearson bows are standardized to fit most manufacturers' accessories and performs best when shot with a mechanical release.





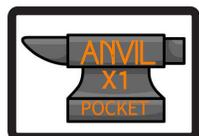
## DRAW STOP ADJUSTMENTS

Depending on bow model, draw stop may be adjusted via a slotted post. The draw stop settings are designed to make minute changes in increments as small as 1/16" in draw (up or down) from the draw-length originated by the module. For models equipped with a slotted post: move the draw post to customize the module for your individual draw length, stopping the cam rotation exactly where you want it. The Draw Stop rotates until it comes into contact with the limb of the bow. Start by loosening the Allen screw on the Draw Stop. Loosen just enough to allow movement **.WARNING: NEVER ATTEMPT DRAW STOP ADJUSTMENT WHILE DRAWING THE BOW.** When adjusting the Draw Stop, very little movement is required to dramatically affect the settings. **DO NOT OVER OR UNDER ADJUST.** Setting the stop too short results in a very low let-off, with almost zero valley. Setting the stop too long causes the cables to contact the mod stop, making the Binary Cam System less efficient and also giving very high let off. When drawing the bow, make sure that the draw stops the draw cycle. Correct any over-rotation by moving the post setting. Doing so will effect performance, let-off and draw length Improper adjustment results in performance inefficiencies and can be dangerous. Your Authorized Ben Pearson Dealer can assist you with proper Draw Stop adjustment.

**NOTE:** To set a longer draw length, you may need to install a different module and reset the draw post setting in order to maintain maximum shooting efficiency.

## STRINGS, CABLES & TUNING

Your Ben Pearson custom bowstring is manufactured to provide long string life and absolute consistency, shot after shot. This results in greater accuracy, and less time spent re-tuning your equipment. **Wax the string often.** To wax the string, apply wax liberally to entire length of string. **DO NOT WAX SERVING AREAS.** Rub the strings briskly until they appear 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. The String Stop is designed to silence the string and center





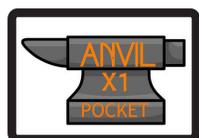
it with every shot. When adjusting the position of the String Stop, The String Stop should be centered with the string and lightly touching the string when the bow is at rest.

### HOW DO MANUFACTURERS RATE SPEED?

IBO Speed Ratings are an industry standard of measurement used by all manufacturers. Speed ratings are based on a bow produced with a maximum draw weight and maximum Draw Length using a five (5) grain per pound arrow. Any deviation from these settings causes a drop in arrow velocity. Speeds vary depending on placement and manufacturer of string added accessories. Speed loss of arrows over the IBO standard of five (5) grains per pound. **BINARYCAM:** Every 3 grains of added arrow weight results in approximately 1 fps speed loss.

### BOW MAINTENANCE & TROUBLE SHOOTING

Replace the string and cables once a year or every 2,500 shots, whichever comes first, to maintain optimum **performance**. Examine your bow for wear and tear before you shoot (mod screws, axles, bushings, cables, cable slide, e-clips, and string). If any one of these items shows excessive wear, contact your Authorized Ben Pearson Dealer to have them install new Ben Pearson replacement parts. This keeps your bow shooting consistently without voiding your warranty. When adjusting the bow's draw weight on Binary Cam bows, always keep the bow at even tiller. Tiller is the distance between the string and the point where the back of the limb joins the pocket. The tiller at both the top and bottom should be equal (for example: 8" tiller at the top and 8" tiller at the bottom). If the top or bottom tiller is off by as little as 1/8", the bow's performance may be affected. When adjusting the bow's draw weight, please first consult your local Ben Pearson dealer for information regarding weight adjustment ratios and maximum limb bolt adjustment. A full revolution of the limb bolt achieves varying draw weight adjustment results, depending on bow model. Adjusting the weight of the bow may adversely affect the bow's performance. For bow models using X1 and X2 limb pocket systems, do not adjust limb bolts without first loosening the limb pocket lock down screw.





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

All Ben Pearson bows use AMO standards for measuring draw lengths, (measured from the pivot point, or throat, of the grip to the bottom of the valley) plus 1-3/4". Always use a properly spined arrow for this bow with a minimum weight of five (5) grains per pound (IBO standard). An arrow with legal IBO weight is not necessarily properly spined. The bow must be able to transfer its energy to the arrow without any loss. Likewise, the arrow spine must be able to absorb the bow's energy. If the arrow is not properly spined, it will kick out, lose speed, and have poor flight. If the arrow is properly spined, it achieves true, straight flight with maximum speed. Use an arrow chart to determine what shaft is needed to fit the specifications of your bow. Make sure the weight of the arrow tip is matched to the arrow's shaft strength. If the weight of the tip is too light or too heavy, poor arrow flight occurs. Use an arrow chart to find out what tip weight is needed to match the arrow shaft.

### **LIFETIME WARRANTY**

All Ben Pearson bows are backed with a Lifetime Warranty to the original owner. The following exclusions apply.

### **EXCLUSIONS**

#### **Original Owner.**

Warranty applies to the original owner only, is non-transferable and does not apply to internet sales.

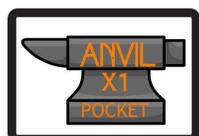
#### **Components Not Covered.**

Cables, strings, bearings, paint and/or film dipped finishes are not included in warranty.

#### **Mod Screws.**

It is important to make sure module screws are properly installed with Loc-Tite. Warranty DOES NOT cover module screws that loosen and cause limb damage.

#### **Damage Not Covered.**





Damage caused by abuse, mishandling, dry-firing, alteration or modification to original product, or shooting of arrows less than five grains per pound of draw weight will render the warranty void at Ben Pearson Archery discretion.

### **Warranty Card.**

For the Warranty to be in effect, customer must register the bow online at [www.benpearsonarchery.com](http://www.benpearsonarchery.com)

The Ben Pearson Warranty covers only bows bought from Authorized Ben Pearson Dealers and not from Internet sales

Contact Ben Pearson to confirm that the person you are buying from is an authorized dealer.

### **WARRANTY SERVICE**

All products returned for warranty service need to be returned to the dealer first for inspection and determination of any problem. Authorized Ben Pearson Dealers can help you determine if factory service is required or if your Pro Shop can repair the problem. The bow owner is responsible for the return freight to

Ben Pearson, and Ben Pearson will in turn, pay for the return freight of the repaired product. In the event that a bow must be returned for factory service, a Return Authorization (RA) number must first be obtained through your dealer. Bows returned to the factory without an RA number will be refused.

All bows must include the following:

- A large, readable work order sheet inside or outside the box.
- A copy of the sales receipt, if previously sold.
- Must be sent freight prepaid. No COD shipments will be accepted.
- Do not include accessories unless otherwise instructed.

Ben Pearson will not be responsible for loss or damage to any accessory left on the bow when shipped.

- All methods of shipping by UPS, FED-EX and USPS only.

Sender should insure all shipments.

- If your bow cannot be repaired, we reserve the right to replace your bow
- Ben Pearson reserves the right to make parts substitutions on warranty coverage at Ben Pearson's sole discretion and for any reason.



