THANK YOU

Congratulations on your recent purchase! We at Diamond 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 Diamond bow. It is equally important to read through this owner’s manual as there are valuable tips to help keep your Diamond 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 DiamondArchery.com and click on the “Dealer Locator” button. Frequently asked questions and additional contact information can also be found at DiamondArchery.com.

BEFORE USING YOUR NEW DIAMOND 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 TO YOURSELF AND/OR OTHERS.

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

QUALITY

Every Diamond bow has undergone a comprehensive quality control process and is built from the highest quality components available. Most have been individually shot, tested and measured to ensure compliance with our strict performance standards.

LIFETIME WARRANTY

All Diamond bows come with a non-transferable lifetime warranty to the registered original owner. This warranty protects against any failures of the product due to defects in material or workmanship and does not include any damage due to abuse, misuse or modification to the bow’s design. The following exclusions apply.

Exclusions

Strings and cables, bearings, paint and/or hydrographic film 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 module screws or shooting arrows less than five grains per pound of draw weight.

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

Authorized Dealer

The Diamond Warranty covers product purchased from Authorized Diamond Dealers. Diamond products purchased through the Internet will not be warranted if not purchased through an Authorized Dealer. Contact Diamond to confirm that your purchase is through an Authorized Dealer.
It is very important that your Diamond bow is adjusted to fit you properly. Assistance in achieving a proper fit should be provided by your Authorized Diamond Dealer. Diamond bows are preset to factory specifications with adult models preset to 29 inches draw length. You may need to adjust your bow to match your draw length. Any other alterations to the factory setup will likely inhibit performance.

All products requiring warranty service must be returned to an Authorized Dealer for inspection and diagnosis of any problem. Your Diamond Dealer can determine whether factory service is required, or if the service needed can be performed at the dealer’s facility. In the event that a bow must be returned for factory service, a Return Authorization (RA) number must first be obtained by your dealer. Bows returned to the factory without an RA number will not be accepted.

The bow owner is responsible for the return prepaid freight to Diamond. No COD shipments will be accepted. Diamond 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 cannot be repaired, we reserve the right to replace your bow with a newer model of equal or greater value.
- Diamond reserves the right to substitute any parts required for warranty coverage at its sole discretion and for any reason.

**ADJUSTING DRAW LENGTH**

It is very important that your Diamond bow is adjusted to fit you properly. Assistance in achieving a proper fit should be provided by your Authorized Diamond Dealer.

Diamond bows are preset to factory specifications with adult models preset to 29 inches draw length. You may need to adjust your bow to match your draw length. Any other alterations to the factory setup will likely inhibit performance.

The draw length of all current Diamond 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, typically in 1/2 inch increments. Refer to Figure 1 and Chart 1.

1. Diamond recommends that you take your bow to your Authorized Diamond Dealer for adjustment of your bow’s draw length.
2. Use a 3/32 inch hex wrench to remove the module screws that attach the modules to the cams.
3. Notice the numbered indexing mark on the module and the indexing mark on the cam. All bows are factory preset to a 29 inch draw length, with the indexing marks aligned for the this draw length setting. The lowest numbered mark corresponds to the longest draw length setting.
4. To lengthen the draw length, rotate the module so that the indexing mark on the cam is aligned with a lower numbered indexing mark on the module. For example, if an Outlaw was shipped with the indexing mark in the #2.5 position at 29 inches of draw length, you would place it in the #1.5 position for a 30 inch draw length.
5. To shorten the draw length, rotate the module so that the indexing mark on the cam is aligned with a higher numbered indexing mark on the module. For example, if an Outlaw was shipped with the indexing mark in the #2.5 position at 29 inches of draw length, you would place it in the #3.5 position for a 28 inch draw length.
6. Replace both module screws on each cam and retighten. We recommend applying blue Loctite 242 to the threads before replacing them at your desired setting. This will prevent the screws from loosening during normal use of the bow.
7. After repositioning the module, you will need to reposition the draw stop posts. To do this, use a 3/32 inch hex wrench to remove the post from its current position.
8. Replace the post in the position that matches the position that you placed the module in. For example, if the module was placed in the #3 position, the draw stop post should also be placed in the #3 position.
9. Please note that no bow press is typically required to change the draw length of your Diamond bow. However, placing the module in the #5 position may require the use of a bow press.

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<th>Outlaw Module/Post Setting</th>
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**WARRANTY SERVICE**

Our goal with all warranty returns is to have the bow shipped out the door and on its way back to your dealer within 3 business days of receiving it at our facilities in Eugene, Oregon. You are our greatest asset, and we will give you the highest quality and most efficient service possible.

All products requiring warranty service must be returned to an Authorized Dealer for inspection and diagnosis of any problem. Your Diamond Dealer can determine whether factory service is required, or if the service needed can be performed at the dealer’s facility. In the event that a bow must be returned for factory service, a Return Authorization (RA) number must first be obtained by your dealer. Bows returned to the factory without an RA number will not be accepted.

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**LIFETIME WARRANTY**

**Figure 1: Draw Length Adjustment**

**Chart 1: Cam Module & Post Settings**

If an Outlaw was shipped with the indexing mark in the #2.5 position at 29 inches of draw length, you would place it in the #3.5 position for a 28 inch draw length.

If an Outlaw was shipped with the indexing mark in the #2.5 position at 29 inches of draw length, you would place it in the #3.5 position for a 28 inch draw length.
CAM TIMING

There are small indentations or “timing marks” on the module-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 2. Adjusting the timing requires that the bow be put in a press, and as such, your Authorized Diamond Dealer should perform all timing adjustments.

SETTING THE DRAW WEIGHT

Using a hex wrench, tighten or loosen the limb bolts to increase or decrease draw weight. For the Outlaw, one turn of the limb bolt equals approximately 2.5 pounds. DO NOT back out the limb bolt past the limb bolt inspection hole in the riser. The limb bolt MUST BE visible in the limb bolt inspection hole. The top and bottom limb bolts should be tightened and loosened equally.

Core

Draw weight on these models can be adjusted 30 pounds down from the bow’s peak draw weight. For example, the bow is shipped at 70 pounds and the draw weight can be adjusted down to 40 pounds. The procedure is as follows (see Fig. 3):

1. Before adjusting limb bolts, note setting on limb bolt adjustment marks for future reference (see Figure 4).

2. When proceeding to break down your Diamond Core bow, turn the limb bolts in small, equal increments, alternating from the top limb bolt to lower limb bolt until the tip of the limb bolt is visible in the reference hole. DO NOT draw bow back or shoot the bow when the limb bolts are backed out past the limb bolt reference hole.

3. Once limb bolt tip is visible, continue to turn out limb bolts, in same manner as above until 5–6 complete revolutions are made on each end. Check string and cable tension. If slack, stopping point is achieved. If still under tension, turn each limb bolt an additional revolution.

CENTER SHOT

Center shot can be set by measuring from the back of the riser to the arrow and then from the front of the riser to the arrow. Once this is equal, you are at the approximate center shot of your bow (see Figure 5). This is a good starting point when tuning your Diamond bow. Keep in mind, not all bows tune at exact center shot due to the variances in arrow spine, hand position, and your specific bow poundage. Adjust your arrow rest until the two measurements are equal.
SAFETY AND GENERAL INFORMATION

Your new Diamond 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.

Diamond 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. Diamond 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.

WARNING: NEVER DRY FIRE THE BOW
OWNER’S RECORD

Date of Purchase: ___________________ Purchase Price: ___________________

Bow Model & Year: ______________________________________________________

Brace Height: ________________

Draw Length: _______________ Draw Weight: _______________________

IBO Speed Rating: _________ String Length: _______ Cable Length: _______

Dealer Purchased From: ________________________________________________

Dealer’s Address: _____________________________________________________

City: __________________________ State: _____ Zip: ___________

Phone No: ____________________________

Email Address: ____________________________

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SIGN UP FOR THE LIFETIME WARRANTY AT REGISTERYOURBOW.COM

Every effort has been made to ensure the accuracy of information and typographical content within our owner’s manual. Diamond reserves the right to modify and/or discontinue products without notice and at its discretion. © 2013 Diamond Archery by BowTech. All rights reserved.