



X Factor *Recurve Bow*

Instruction Booklet



Thank you for purchasing a *PSE X Factor Recurve Bow*. Your *X Factor* was manufactured from the finest materials available and handcrafted with pride in the United States of America. With proper use and care you will enjoy your *X Factor* for years to come.

IMPORTANT INFORMATION

1. NEVER DRY-FIRE any bow. Dry-fire is to draw and release the bowstring without an arrow loaded in the bow. Dry-firing will likely cause damage to the bow and serious injury to the archer.
2. Always be sure of your intended target as well as what lies behind the target area. An arrow can travel a considerable distance, so it is important to have a safe and sound backstop.
3. Never expose your bow to extreme heat or prolonged moisture. The inside of a vehicle can become extremely hot even when outside temperatures are not excessive. Store your bow in a cool dry area.
4. Always inspect your bow thoroughly before each shooting session to insure that it assembled correctly and all of its components are in good working order.
5. Inspect your arrows to insure that they are straight and that each nock is in good condition. A cracked nock can break when fired and cause the bow to “dry-fire” resulting in possible injury to the archer and damage to the bow.

LIMITED LIFETIME WARRANTY

The X Factor riser assembly is backed by a PSE limited lifetime warranty to the original owner for the life of the product. The riser will be replaced or repaired to restore it to its original performance. The bowstring and other wearable items are not covered by this warranty.

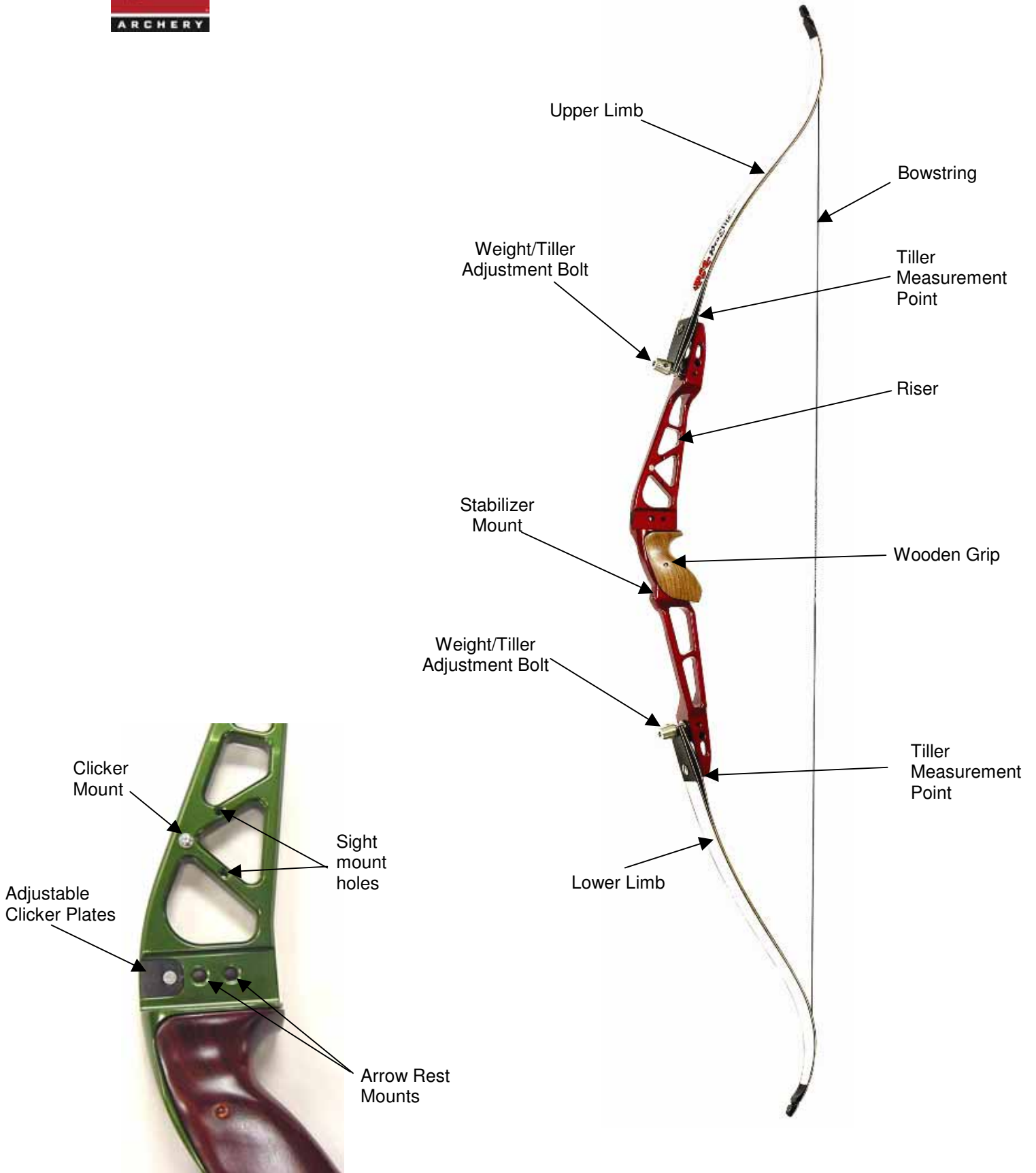
Evidence of abuse, mishandling, misuse or alteration voids any claim to this warranty.

PSE cannot be held responsible for injury or product failure resulting from improper use or neglect of maintenance.

PSE makes no other claims either expressed or implied. In the interest of product improvement and consumer safety, PSE reserves the right to make changes in the product design, color and or specifications without notice.



RECURVE BOW TERMINOLOGY





STRINGING

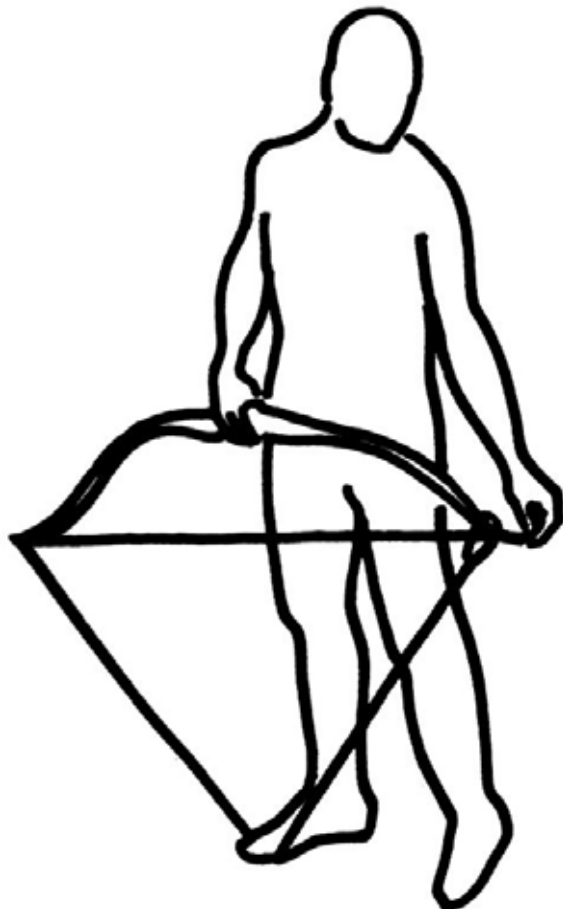
Special attention must be given to the proper procedure for stringing your X Factor bow. The safest and the only procedure recommended by PSE is to use PSE Bow Stringer P/N 41076, which is available from your local PSE dealer.

When using a PSE Bow Stringer use the following procedures:

Twist the bowstring to the desired length. Place the larger loop of the bowstring over the upper limb and slide it down the limb a few inches. Place the smaller loop of the bowstring into the string groove on the lower limb. Next, place the large cup of the bow stringer over the tip of the lower limb and the small cup over the tip of the upper limb. With the upper limb to the left, step on the middle of the bow stringer and pull up on the bow riser grip with the right hand. With the bow flexed sufficiently, slip the upper end of the bowstring into the string groove of the upper limb. Slowly lower the bow and remove the bow stringer.

To unstring the bow, reverse this procedure.

NOTE: If a PSE Bow Stringer is not used, carefully follow the instructions that come with the bow stringer.



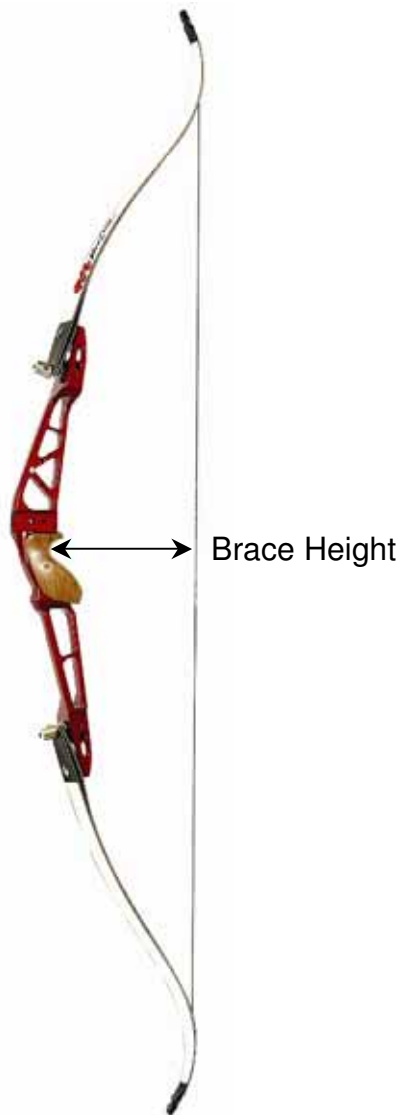


BRACE HEIGHT

The brace height is the perpendicular distance from the bowstring to the pivot point of the grip. Brace height is important to bow tuning. A higher brace height will decrease arrow velocity and a lower brace will increase arrow velocity.

Optimum brace height is one that gives smooth action, good arrow flight, tight grouping and a quiet shot. Generally, slight variations in brace height are not critical, however at the extremes, you may get erratic arrow flight and/or excessive string noise.

Brace height is changed by twisting or untwisting the bowstring or by using a different length bowstring.



String Length	Recommended Brace Height
64"	8" – 8-1/2"
66"	8-1/4" – 8-3/4"
68"	8-1/2" – 9"
70"	8-3/4" – 9-1/4"



PSE INTEGRATED LIMP POCKET ALIGNMENT SYSTEM

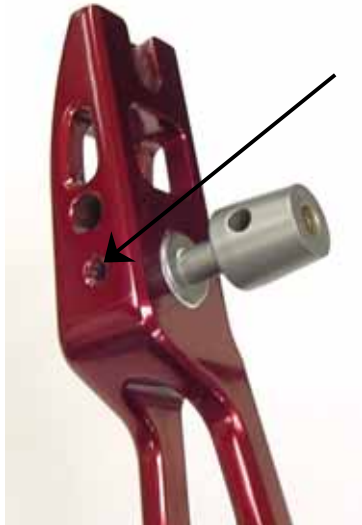


Stainless Steel Limb Bolt

Factory set at minimum weight (4 turns from bottom). Draw weight can be increased to approximately 10% over marked limb weight at 28". Loosen the setscrew on the backside of the limb bolt receiver. Turn the limb bolt clockwise to desired position and then lock by retightening the setscrew.

Limb Bolt Receiver

Factory set for bow alignment. Variances in limbs or stabilizers may require fine-tuning.



To Align Limbs

Place a strip of masking tape on the limb where it exits the pocket. Mark the center of the limb on the tape. Loosen the hollow lock screws on each side of the pocket. Insert Allen wrench through the hollow lock screws into the adjustment screws. Move the limb bolt receiver by loosening the screw on one side and tightening the opposite screw until the desired alignment is achieved and screws are tight.

Properly Aligned Bow

When finished, the stabilizer and marks on the limbs should all be aligned. (see next page for details)



In order to assure the limbs and the riser are in proper alignment the following steps should be followed:

1. Place the bow in front of you and stand so that the bowstring is perfectly aligned with the riser. The stabilizer can be used to determine if the bow is aligned properly.
2. With the string lined up with the center of the riser, the stabilizer should also align with the string. Neither side of the window on the riser should be visible. See Figures 1 and 2. Adjust the pockets so that the string is aligned with the center of the riser and limbs as well as the stabilizer.
3. When the bow is adjusted properly, it will look like the bow shown in Figure 3 with the inside of the window showing a little.



Figure 1



Figure 2



Figure 3

Precision Shooting Equipment,
Inc.

2727 N. Fairview Avenue

P.O. Box 5487

Tucson, Arizona 85703

520-884-9065

www.pse-archery.com

