



Precision Shooting Equipment, Inc.

2001 Compound Bow User's Guide

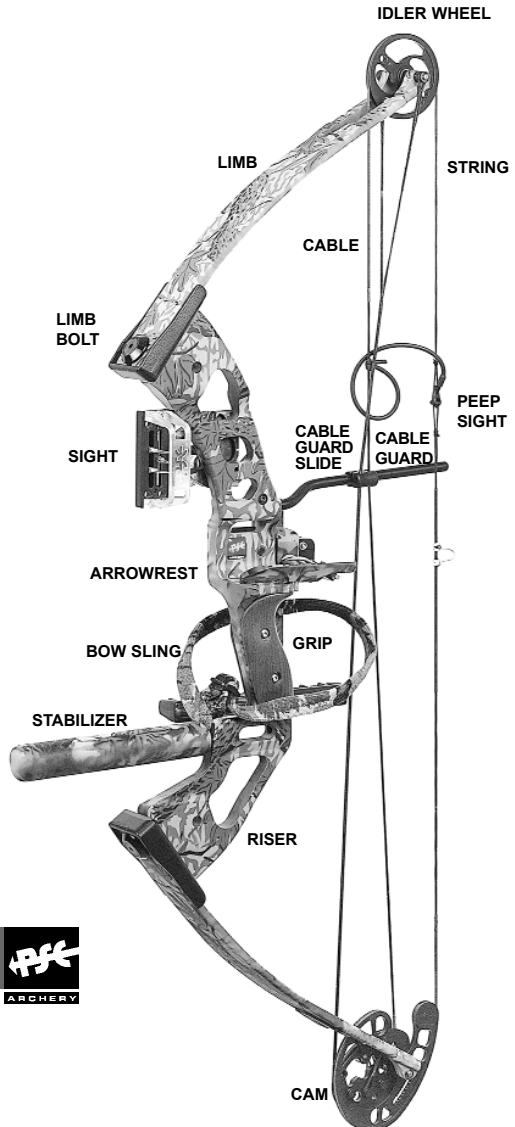
Thank you from the entire PSE family for purchasing a PSE bow. Your PSE bow was manufactured from the finest materials available and handcrafted with pride in the USA. With proper care and use you will enjoy this product for years to come.

We at PSE wish you much success in the archery field you have chosen to pursue.

Please read this entire booklet before shooting or adjusting your bow.

Remember, most adjustments to a compound bow should be made on a bowpress. Whenever shooting a bow, be certain of your target as well as what else lies downrange.

BOW TERMINOLOGY



CONTACT US:



1-520-884-9065
www.pse-archery.com

GENERAL OPERATING INSTRUCTIONS



- Always inspect your bow thoroughly before each shooting session to insure that it is in good working order. Check for worn or missing components and have them replaced as required.

- Inspect your arrows to insure that they are straight and that each nock is in good condition. A cracked nock can break when fired from the bow and cause the bow to "dry fire" which can cause injury to the archer and damage to the bow.

- When purchasing arrows for your bow, consult the selection chart from the arrow manufacturer and select the correct arrow for your application. Always use an arrow that meets the weight requirement marked on the specification label on the lower limb of your bow. Failure to do so could cause personal injury and damage to your bow.

BOW MAINTENANCE



Your PSE bow will give you many years of service if maintained and cared for properly.

- Keep synthetic cables and string waxed. Apply bow string wax to your synthetic cables and string before each shooting session.

- Strings and cables must be replaced periodically. A worn cable or string can suddenly break causing serious injury to the archer and damage to the bow. It is recommended that the string and cables be replaced every 5,000 shots or 12 months.

- Always store your bow in a cool dry place. High temperatures, such as those that can occur in a truck or interior of a vehicle, can cause serious damage to your bow.



Get the PSE BOW OWNER'S GUIDE video at www.pse-archery.com This entertaining and informative video covers all aspects of modern bow technology. 60 minutes.

SAFETY



As with any weapon, safe operation of your PSE bow must always be the highest priority. **ALWAYS WEAR SAFETY GLASSES WHEN HANDLING A BOW.** Do not attempt to use your bow without proper instruction. Doing so can result in serious injury.

a. Never "dry-fire" any bow. Dry-fire is to draw and release the bowstring without an arrow in the bow. Dry-firing will likely cause damage to the bow and serious injury to the archer.

b. 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.

c. If you draw a bow and need to let it down, do so in a slow and careful manner. Keep your support arm straight and prepare for a rapid and violent let-down. Avoid hitting your hand on protruding accessories such as the cable guard or quiver. Keep your head and face back and out of danger during let-down. Never draw a bow with a peak weight above your comfort level. Always use a bow sling when drawing a bow.

d. Never modify any part of the bow or its components by drilling extra holes or removing material. This voids the warranty and presents safety problems.

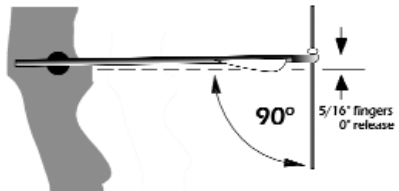
SETTING-UP YOUR BOW



NOCKING POINT PLACEMENT:

Finger shooters: For the initial setting, install the nocking point on the bowstring approximately 5/16" plus the arrow width above a point where a horizontal line from the rest intersects the string.

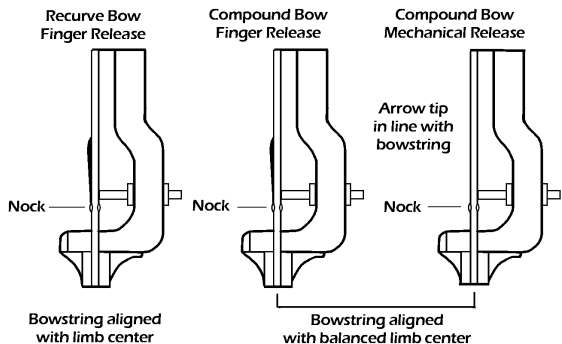
Release Aid shooters: Install the nocking point the width of the arrow above a point where a horizontal line from the rest intersects the string. When the arrow is in position on the rest, the arrownock should fit snug against the bottom of the nocking point.



ARROWREST

ADJUSTMENT:

The in/out position of the arrowrest should be adjusted so that the arrow is in alignment with the string when shooting with a release aid. The arrow tip should be 1/2 shaft diameter to a full shaft diameter to the left on a right-handed bow, (opposite for left-handed) when shooting with fingers.

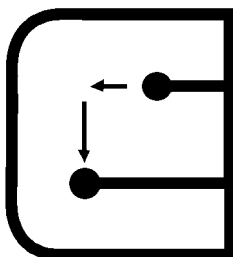
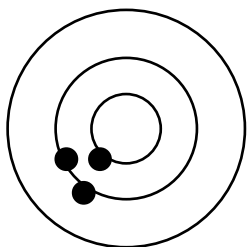


SETTING-UP YOUR BOW



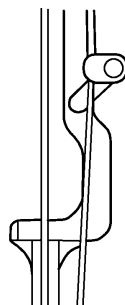
SIGHT ADJUSTMENT:

When adjusting the sight pin locations, always remember to "follow the group". That is, if the shot group is to the left of the target, move the sight pins to the left. If the shot group is low, move the sight pins down.

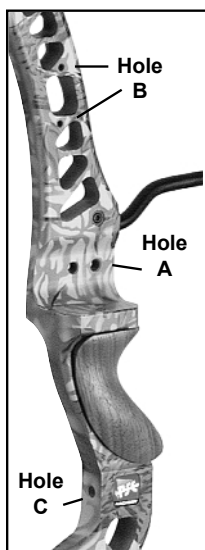


CABLE GUARD ADJUSTMENT:

The purpose of a cable guard is to hold the cables out of the path of the arrow. When adjusting the angle of the cable guard, adjust it so the cables just clear the arrow vanes. On one-cam bows using an offset cable guard rod, adjustments to the cable guard must be done with the rod in the up position (approximately 1 o'clock). Excessive arrow clearance may cause the cables to track incorrectly on the wheels and cause serious personal injury and/or damage to the bow.



INSTALLATION OF ACCESSORIES



Arrowrest/Overdraw: The arrowrest or overdraw should be installed according to the instructions received with the product. It is usually mounted to the riser in the threaded hole on the side opposite the shelf (hole "A") using the hardware provided with the arrowrest or overdraw.

Sight: The sight should be installed according to the instructions received with the product. It is usually mounted to the riser in the threaded holes (holes "B") on the side opposite the shelf using the hardware provided with the sight.

Stabilizer: Likewise, the stabilizer should be mounted according to the manufacturer's recommendation. It is usually mounted in the threaded hole on the front of the riser (hole "C").

Bow Sling: The bow sling attaches to the riser of the bow generally with the stabilizer. If a stabilizer is not used, attach the sling to the riser with the correct sized bolt using the hole provided for the stabilizer (hole "C").

OTHER ADJUSTMENTS



Draw Weight: Your bow is factory-set to the peak draw weight indicated on the label on the lower limb of the bow. Slight changes in draw weight can be obtained by turning the limb bolt in or out. Before making any changes in weight turn the limb bolt clockwise until it no longer moves. Never use extreme torque when turning the bolt or damage to the limb may occur. The limb bolt then may be turned counterclockwise to obtain the desired weight, **but NEVER more than 4 turns or revolutions.** Adjust each limb exactly the same.

Wheels/Cams: Many PSE wheels and cams have adjustable features. Each one comes from the factory set-up and ready to use but there may be occasions where you need to adjust the characteristics of your bow. In some cases you will need a Tune Chart to determine what to adjust, and you may need to see a PSE Dealer for information. If you are not sure of the adjustment you are making, stop and see your PSE Dealer for assistance. In all cases, an appropriate bow press will be needed to make adjustments to cams and wheels. If you do not have an appropriate press, see your PSE Dealer.

Your Authorized PSE Dealer is supplied with technical information on PSE bows and cams. Please see your Dealer for assistance when making these adjustments.

CAM ADJUSTMENTS



Ultimate One-Cam:

Draw Length: To change the draw length in 1" increments the module must be changed. See your PSE Dealer for information on how to obtain a replacement module. For minor changes of draw length, the bow must be placed in a suitable bow press and with the tension relieved from the string/cable, move the string to appropriate peg to lengthen or shorten the effective length of the string. A shorter string makes shorter draw length and a longer string makes a longer draw length by 1/4".

Draw Stop: The stop is an integral part of the module - no adjustment is necessary.

Let-off: Let-off adjustment is part of the design of the module. Both 80% and 65% modules are available from your PSE Dealer.

CAM ADJUSTMENTS



Lightning Cam:

Draw Length: To change the draw length in 1" increments the module must be changed. See your PSE Dealer for information on how to obtain a replacement module. For minor changes of draw length, the bow must be placed in a suitable bow press and with the tension relieved from the string/cable, move the string from the "B" peg to the "C" peg to shorten draw by 1/4" or to the "A" peg to lengthen draw 1/4". The string can also be moved from the "2" peg to the "3" peg to shorten draw 1/4" or to the "1" peg to lengthen draw by 1/4".

Draw Stop: The draw stop position is determined by the draw length, module, and model of the bow. Please contact your Authorized PSE Dealer for any technical information.

Let-off: Let-off is set at the factory at approximately 80%. To change the let-off to approximately 65% you must put the bow in a bow press and relieve tension from the string and cable. Carefully move the string from the "B" peg on the cam to the "A" peg making sure the loop is secure around the peg. Then on the opposite side of the cam, move the string from the "2" peg to the "1" peg. The draw stop will then have to be moved up one letter. Example: if the stop is in the "E" position, move it to the "F" position.



Venom Cam:

Draw Length: There are two slots in the cam. The string is shipped from the factory in the "long" slot. If you desire to shorten the draw length by 1/2", place the bow in an appropriate bow press and relieve the tension from the string and cable and place the string in the alternate slot.

Vector/Vector5 and Synergy:

Draw Length: The draw length is adjusted by placing the bow in an appropriate bow press and relieving the tension from the string and cables. Shortening the effective length of the string shortens the draw length and lengthening it lengthens the draw. The bow is shipped from the factory with the string in the middle slot. Moving the string one slot on one of the wheels changes the draw length 1/4". Moving the string one slot on each of the two wheels makes a change of 1/2". On Vector wheels, the cable can also be moved a slot which changes the draw length by 1/2". Adjustments to the cable must be made on both wheels. There is no cable adjustment on the Synergy wheels. Remember, shortening the draw length decreases the draw weight and lengthening the draw length increases the draw weight.



Maxis HL:



Draw Length: By placing the bow in an appropriate bow press to relieve the tension on the string and cables, the draw length can be adjusted by moving the cable post to one of the holes that are provided. By moving the post to the "+" position, the draw length is increased by 1/8" (1/4" if the post is moved on both cams). By moving the post to one of the holes marked with a "-", the draw length is shortened by 1/8" per cam per hole.

Arson Cam:



Draw Length: To change the draw length in 1" increments the module must be changed. See your PSE Dealer for information on how to obtain a replacement module. For changes of draw length in 1/4" increments, the bow must be placed in a suitable bow press and with the tension relieved from the string/cable, move the string loop to the peg that will shorten the effective length of the string. This will shorten the draw length. Moving the string to the peg that will lengthen the effective length of the string will lengthen the draw of the bow.

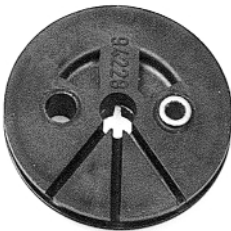
Draw Stop: The position of the draw stop must match the size of the module. If the bow is equipped with a size 7 module, the draw stop must be attached to the cam using the number 7 holes provided.



One-Cam:

Draw Length: The bow must be placed in a suitable bow press and with the tension relieved from the string/cable, moving the string to the peg that will shorten the effective length of the string will shorten the draw length by 1/2". Moving the string to the peg that will lengthen the effective length of the string will lengthen the draw of the bow by 1/4".

Stage 3:



Draw Length: The bow must be placed in a suitable bow press and with the tension relieved from the string/cable, moving the string to the slot that will shorten the effective length of the string will shorten the draw length by 1/2" per wheel. Moving the string to the slot that will lengthen the effective length of the string will lengthen the draw of the bow by 1/2" per wheel.

LIMITED LIFETIME WARRANTY



ALL PSE MANUFACTURED BOWS / ACCESSORIES / KING PRODUCTS

Each PSE Bow, Accessory and King product is backed by a PSE Limited Lifetime Warranty to the original owner for the life of the product. Product will be replaced or repaired to restore it to its original performance. Cables, strings, or wearable items are not covered by this warranty.

Evidence of abuse, mishandling, misuse, or alteration to any PSE product voids any claim to warranty. PSE specifications on strings and harness must be adhered to.

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

All bows must undergo string and cable changes every 5,000 shots or every 12 months to maintain PSE warranty coverage. Total arrow weight must be in accordance with the recommendations made by the Archery Manufacturers and Merchants Organization (AMO) for minimum arrow weight/bow peak weight. Overstressing PSE compound bows by using arrows lighter than AMO recommendation will void warranty and may cause damage to the bow or injury to the shooter.

PSE / HERITAGE

Each Heritage recurve bow is backed by the PSE Limited Warranty to the original owner only. The bows in the Heritage Series will be covered under the following limited warranty conditions:

- a). All metal components have a lifetime warranty against manufacturer's defects to the original owner only.
- b). Limb, polycarbonate, and wood parts, grips, or other bow components (excluding string and rest) will be covered 100% for one year. After the first year, any defective parts will be replaced at 50% of replacement costs for an additional year.

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 product design, color, and specifications without notice.

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