



Precision Shooting Equipment, Inc.

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 in a bow press.

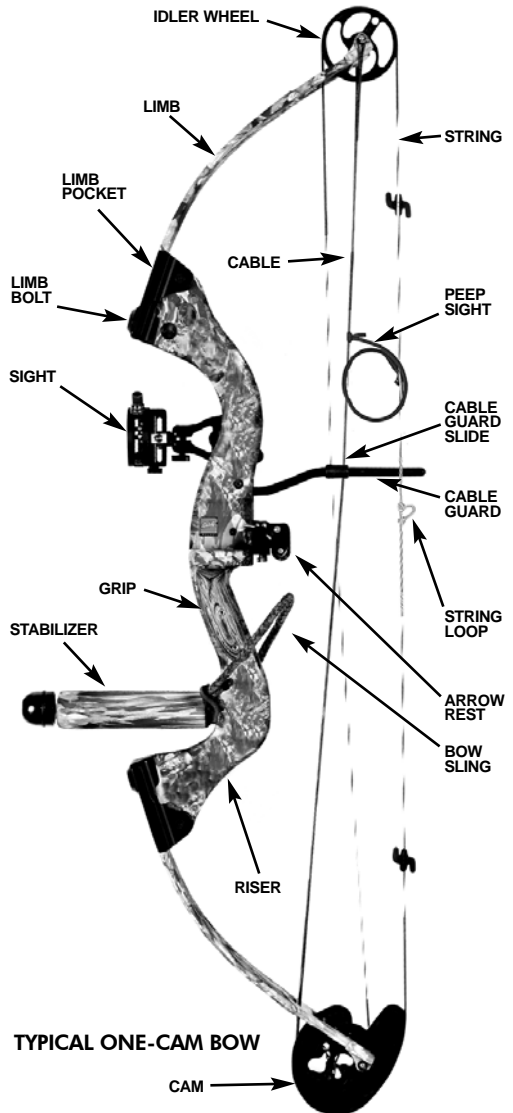
Whenever shooting a bow, be certain of your target as well as what else lies downrange.

REGISTRATION

Fill out the reverse side of this page completely, remove it, and mail to:

PSE Warranty Registration
P.O. Box 5487
Tucson, AZ 85703

BOW TERMINOLOGY



YOUR LOCAL AUTHORIZED PSE DEALER IS YOUR BEST SOURCE FOR INFORMATION AND ASSISTANCE. VISIT THEM FOR THESE AND OTHER TYPICAL SERVICES:

- 1. Adjusting draw length and draw weight
- 2. Adjusting / changing let-off
- 3. Replacing / servicing strings and cables
- 4. All aspects of bow tuning
- 5. Correct arrow selection
- 6. Mounting new accessories
- 7. Adjusting tiller

IMPORTANT WARRANTY REGISTRATION

THIS FORM MUST BE RECEIVED BY PSE WITHIN 30 DAYS OF PURCHASE TO ACTIVATE WARRANTY

SERIAL # OF BOW _____

BOW MODEL _____

NAME _____

ADDRESS _____

ADDRESS _____ APT _____

CITY _____ STATE _____

COUNTRY _____ POSTAL CODE _____

EMAIL ADDRESS _____

DATE PURCHASED ____/____/____ PHONE (____) _____

MAIL TO: PSE WARRANTY REGISTRATION
P. O. BOX 5487
TUCSON, AZ 85703





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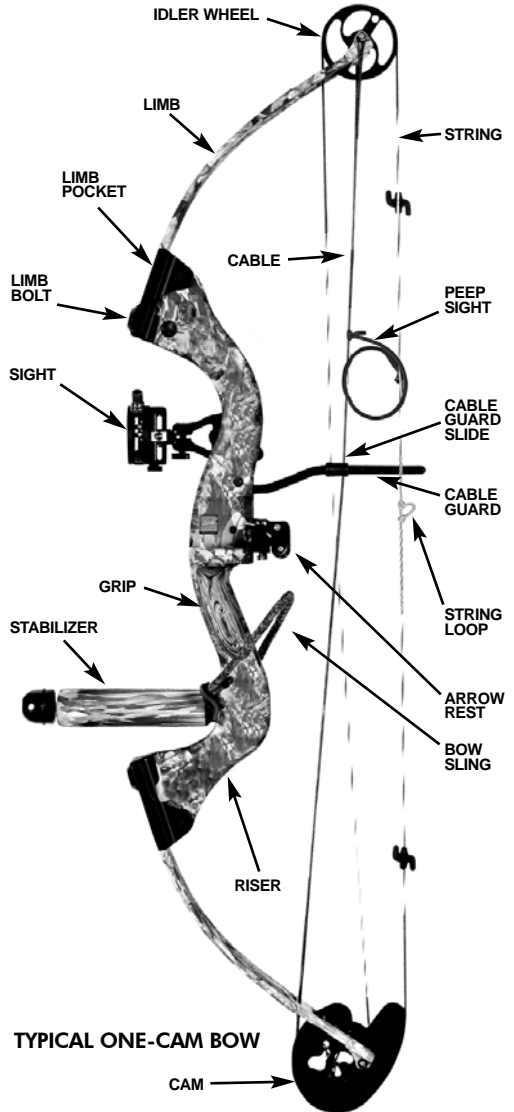
Remember, most adjustments to a compound bow should be made in a bow press.

Whenever shooting a bow, be certain of your target as well as what else lies downrange.

CONTACT PSE:

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

BOW TERMINOLOGY



TYPICAL ONE-CAM BOW

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, i.e. bushings, spacers, etc.
- 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" resulting in possible 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.

IMPORTANT: Before servicing any PSE bow in a bow press, back out each limb bolt 4 complete turns from bottomed position.

- Keep synthetic cables and strings 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 at least 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.
- After use in high humidity or damp conditions, wipe metal components of bow with a light oil.



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.

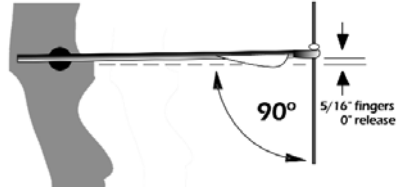
- a. Never "dry-fire" any bow. Dry-fire is to draw and release the bowstring without an arrow on the string. Dry-firing will likely cause damage to the bow and serious injury to the archer.
- b. Always be sure of your intended target as well as what lies behind the target area. An arrow can travel a 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:

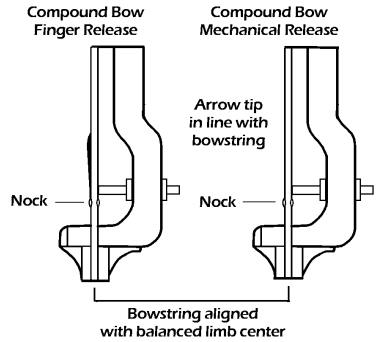
Finger shooters: For the initial setting, install the nocking point on the bowstring approximately $5/16"$ plus the arrow width above a point where a horizontal line from the rest intersects the string.

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.



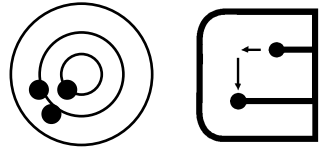
ARROWREST ADJUSTMENT:

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 $\sim 1/2$ shaft diameter left of center on a right-handed bow, (opposite for left-handed) when shooting with fingers.



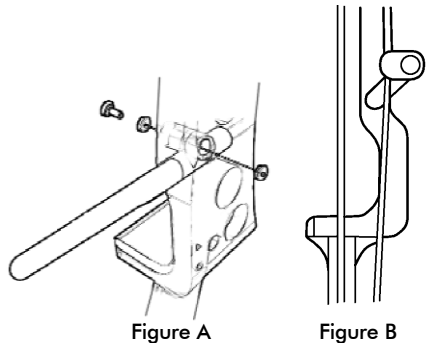
SIGHT ADJUSTMENT:

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 & INSTALLATION:

Install the cable guard as shown in Figure A. Adjust the cable guard so the cables just clear the arrow vanes. On bows using an offset cable guard rod, adjustments must be done with the rod in the up position (approximately 1 o'clock) as shown in Figure B (11 o'clock for left handed bows). Excessive arrow clearance may cause the cable to track incorrectly on the wheels and cause 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.

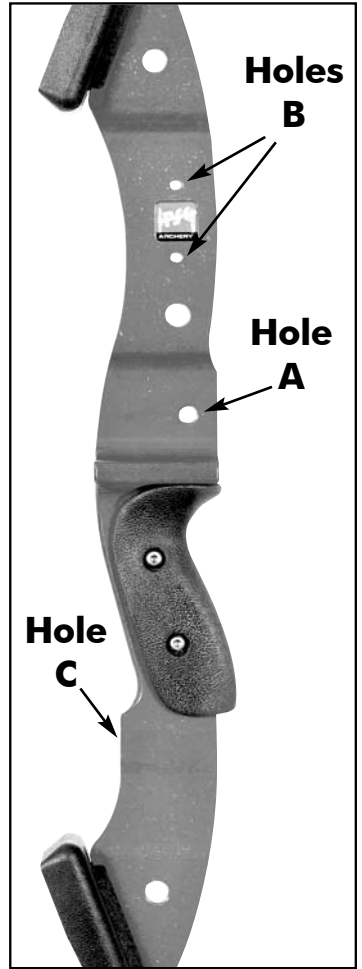
Stabilizer: The stabilizer should be mounted according to the manufacturer's recommendation. It is usually mounted in the threaded hole on the front of the riser (hole "C").

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 within 2 lbs. of the peak draw weight indicated on the label on the lower limb of the bow. Changes in draw weight can be made 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. **CAUTION:** On some bow models, the limb bolt locking screw **MUST** be loosened **BEFORE** adjusting.

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 PSE 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

CENTERFIRE™, RIMFIRE™ & NRG™ ONE CAMS:

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 in draw length, the bow must be placed in a suitable bow press and with tension relieved from the string/cable.

For Centerfire™: Move the string from the "B" peg to the "C" peg to shorten draw by approximately 1/4" or to the "A" peg to lengthen draw by approximately 1/4". The string can also be moved from the "2" peg to the "3" peg to shorten draw by 1/4" or to the "1" peg to lengthen draw by approximately 1/4".

For NRG™: Each side of the cam has two posts. Moving the string from the post with the dot to the post without a dot on the string side of the cam increases the draw length by approximately 3/8". Moving the string from the post with the dot to the post without a dot on the take-up side of the cam decreases the draw length by approximately 1/8".

For Rimfire™: There are two posts on the string side of the cam. The bow is shipped from the factory with the string on the far peg. Moving the string to the peg nearest the string groove increases draw by approximately 1/2".

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 holes marked with the number 7. The size 4 Centerfire™ and Rimfire™ modules are the only exceptions to this rule as the module and stop are one piece.

Let-off: Let-off adjustment is part of the draw stop. To adjust from 80% to 65%, remove both screws which hold the stop to the cam, flip the stop over so that the cable will contact the side marked 65% at full draw and reinstall the screws. There is no let-off adjustment for the size 4 Centerfire™ module. The Rimfire™ cam has no provision for let-off adjustment.

NRG™ HYBRID CAM:

Draw Length: To change the draw length in 1" increments the modules must be changed on both the top and bottom cams. See your PSE dealer for information on how to obtain replacement modules. For minor changes, the bow must be placed in a suitable bow press and with the tension relieved from the string/cable, move the string to the "+" peg on the top cam to increase the draw length by approximately 3/8" or to the "-" peg to decrease the draw length by approximately 3/8".

Draw Stop: The draw stop is located on the bottom cam and is attached with two screws. It must be placed in the position that corresponds with the modules. For example, if the bow is equipped with size 7 modules, the draw stop must be secured firmly with the screws in the number "7" holes.

Let-off: The let-off adjustment is part of the draw stop. To adjust from the factory setting of 80% to 65%, remove both screws which hold the stop to the cam and flip it over so that the cable will contact the side marked "65" at full draw and reinstall the screws. Note: Changing the let-off from 80% to 65% shortens the draw length by approximately 3/8".



Centerfire™



NRG™



Rimfire™



NRG™ Hybrid Cam
TOP



NRG™ Hybrid Cam
BOTTOM

CAM ADJUSTMENTS (CONTINUED)

SYNERGY 4™ AND SYNERGY 8™:

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 approximately $\frac{1}{4}$ ". Moving the string one slot on both wheels makes a change of approximately $\frac{1}{2}$ ". The cables can be moved to change the draw length.

Adjustments to the cables must be made the same on both wheels. Shorten the cable length to lengthen the draw and lengthen the cable length to shorten the draw. Remember, shortening the draw length decreases the draw weight and lengthening the draw increases the draw weight. Draw length changes can also be made on the Synergy 4 wheels by moving the string from one string post to the other.

STAGE 3™:

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. Move the string to the slot that will shorten the effective length of the string to shorten the draw length by $\frac{1}{2}$ " per wheel. Move the string to the slot that will lengthen the effective length of the string to lengthen the draw of the bow by $\frac{1}{2}$ " per wheel.

NOVA ONE-CAM:

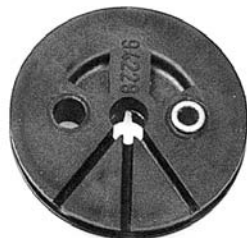
Draw Length: The draw length may be adjusted by placing the bow in an appropriate bow press relieving the tension from the string and cable. Moving the string from the center peg to the peg furthest from the string groove shortens the draw length by approximately $\frac{1}{2}$ ". Moving it to the peg closest to the string groove increases the draw length by approximately $\frac{1}{2}$ ".



Synergy 4™



Synergy 8™



Stage 3™

HYPERLITE™ POCKET FEATURES

The new Hyperlite™ Pocket System is unlike that on any other bow. Some special considerations must be followed so that the system continues to function properly.

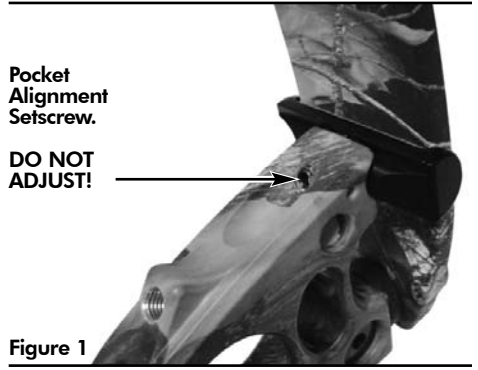
IMPORTANT: Do not adjust the pocket alignment setscrews.

If your bow is equipped with this feature, there is one setscrew used to locate the horizontal position of each pocket (Figure 1). They are factory set to the proper depth and secured in place with Loctite® Threadlocker. Any changes from the factory position may create noise and/or damage the bow.

Pocket Alignment Setscrew.

DO NOT ADJUST!

Figure 1

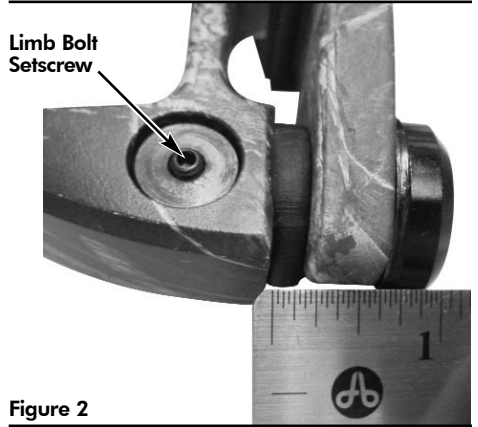


IMPORTANT: Do not “bottom” the limbs against the riser on a bow equipped with the Hyperlite™ Pocket System!

Traditional limb pockets use a “bottomed” position to determine peak weight. This position is where the limb, pocket and riser contact one another simultaneously. Due to the compact design of the Hyperlite™ Pocket System, the “bottomed” limb position does not exist. The “bottomed” position for Hyperlite™ pockets is where the bottom surface of the limb is approximately .20” (3/16” or 5 mm) away from the riser (Figure 2). The limb bolt may be adjusted to slightly increase the draw weight, but the gap between the limb and riser must never be less than .15” (4 mm). Always loosen the limb bolt setscrews when adjusting limb bolts. Retighten after adjustments are made.

Limb Bolt Setscrew

Figure 2



IMPORTANT: Loosen the barrel location setscrew before making weight or tiller adjustments to a bow equipped with the Hyperlite™ Pocket System!

Bows equipped with the Hyperlite™ Pocket System use a barrel-locating setscrew (Figure 3). This setscrew has a conical point that engages a groove in the limb bolt barrel (Figure 4). Before the bow is placed in a bow press for service or bow weight adjustments are made, loosen these screws up to 1/2 turn from the locked position so that the barrel is free to swivel but the point of the setscrew remains in the groove. Re-tighten these setscrews before shooting the bow.

Barrel Location Setscrew

Figure 3

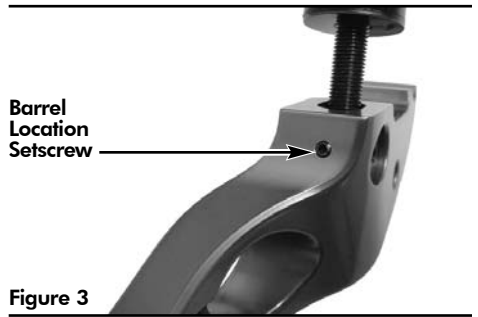
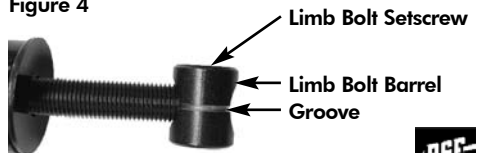


Figure 4



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 Trade Association (ATA) for minimum arrow weight/bow peak weight. Overstressing PSE compound bows by using arrows lighter than ATA recommendation will void warranty and may cause damage to the bow or injury to the shooter.

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.

PATENT INFORMATION

One or more of the following patents may apply:

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING PATENTS:

4,649,889	4,697,350	4,735,667	4,762,112	4,947,823
4,967,721	5,005,554	5,020,507 B1	5,054,462	5,123,396
5,190,022	5,241,945	5,243,958	5,280,779	5,301,651
5,307,787	5,335,644	5,339,790	5,365,650	5,377,658
5,469,834	5,479,712	5,487,373	5,495,843	5,505,185
5,507,270	5,657,739	5,678,529	5,762,060	5,914,775
5,960,778	6,112,732	6,176,231 B1	6,360,735	6,493,951 B1
6,792,930	6,968,837	DES 429,309	RE-36,942	

LICENSED UNDER:

4,519,374	4,976,250	5,141,689	5,368,006	5,392,756
5,501,208	5,505,185	5,809,982		



THANK YOU FOR SELECTING PSE

*Act now on this
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Buy any TWO of these
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receive a FREE cap!

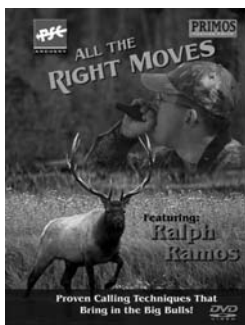
CAP STYLE SHOWN MAY VARY

\$18⁹⁹



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From Alaska to Arizona,
some of the best hunts in
the West. – DVD



ALL THE RIGHT MOVES

Ralph Ramos takes you on
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teaching you his successful
calling and hunting
techniques. – DVD



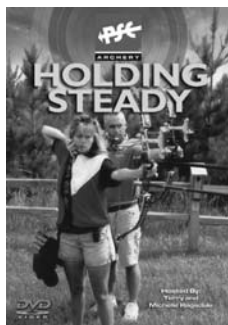
BOWHUNTING DANGEROUS GAME

Bowhunting around the
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elephant, crocodile,
leopard, brown bear and
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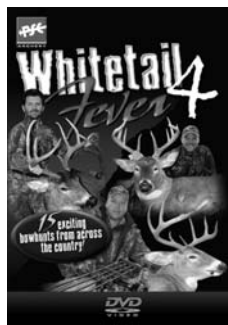
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