

# PSE<sup>®</sup>

ARCHERY



**PRECISION SHOOTING EQUIPMENT INC.**  
2727 N. FAIRVIEW AVE. TUCSON, AZ 85705 • PSEARCHERY.COM  
PSE PART # 82108

 **WARHAMMER<sup>®</sup>**

## USER'S GUIDE

## FIVE (5) YEAR LIMITED WARRANTY

PSE warranties every Warhammer® crossbow to be free of defects in materials and workmanship as defined below.

- 1) PSE crossbow stocks, prods and cams, if found to be defective, will be replaced at no charge for the first 5 years of the product from date of purchase.
- 2) Limbs, if found to be defective, will be replaced at no charge for the first year, and a \$50.00 surcharge for the remaining 4 years of the warranty.
- 3) Evidence of mishandling, misuse or modification of the product or use of non-PSE replacement parts voids this warranty.

PSE makes no other warranty claims whether expressed or implied. This warranty applies to the original owner only, and does not cover cables, strings, or vibration dampers.

PSE Archery guarantees its crossbows against defects in materials and workmanship that adversely affect the operation of the crossbow for five (5) years from the date of purchase. This warranty becomes effective only if activated by the original purchaser within 30 days of the purchase date, either by completing the online warranty registration or by contacting the PSE Customer Service Department at 800-477-7789.

PSE reserves the right to accept proof of purchase in lieu of a warranty registration. All warranty/repair returns are to be coordinated through a PSE Authorized Dealer and PSE Archery. For warranty service or repair, take your crossbow to a PSE Authorized Dealer, or contact PSE Archery at 800-477-7789 for instructions.

The warranty will be void if any of the following occur:

- (1) the specific instructions in the owner's manual are ignored;
- (2) the crossbow or any of its parts are altered from their original manufactured state;
- (3) the crossbow safety features are disabled;
- (4) damage is caused by neglect or misuse;
- (5) damage is caused by dry-firing or by using improperly weighted arrows; or
- (6) the crossbow is rented or loaned out to others by any commercial business organization, whether or not a fee is charged for its use.

There are no warranties which extend beyond this description. The sole and exclusive remedy pursuant to this warranty is repair/replacement of the defective part(s) at the discretion of PSE Archery. Parts determined to be damaged or unsafe will not be returned with the repaired crossbow. Repair or replacement part colors and/or camo patterns may not match original part(s).

All disclaimers and limitations of liability shall still apply even if the remedy of repair and replacement fails. In states where permitted, PSE assumes no liability for incidental or consequential damage or expense. Any action against PSE Archery's alleged breach of this warranty must be brought within one (1) year of the claimed breach.

 **WARNING:** Cancer and Reproductive Harm: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

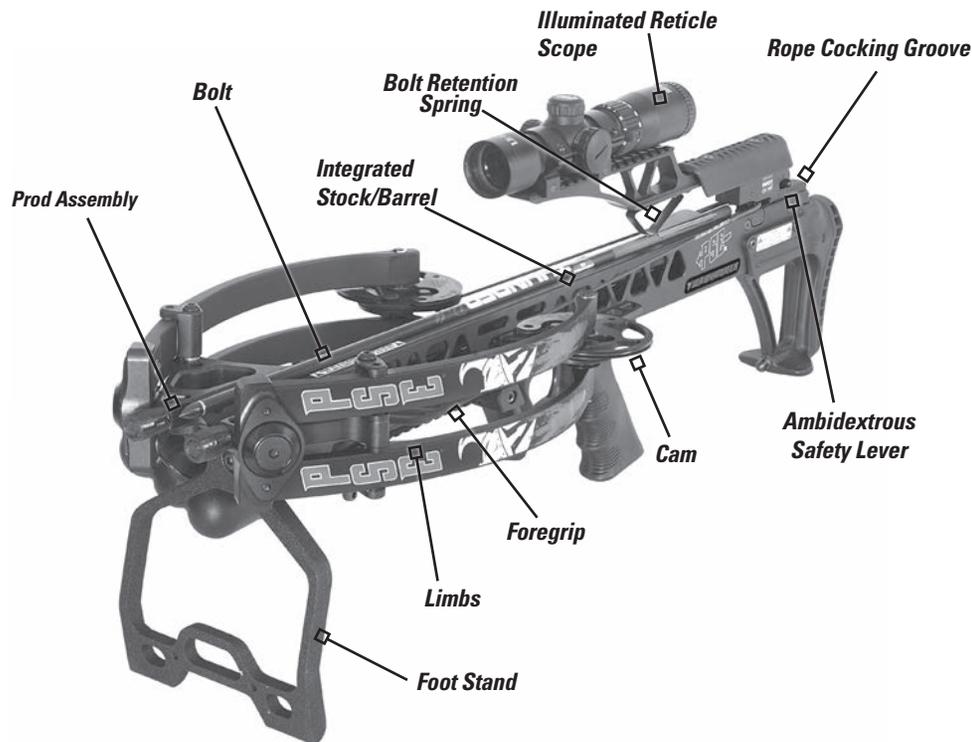
## SAFETY

- 1) **ALWAYS** treat your crossbow as you would any weapon or firearm. It is a powerful weapon that can be deadly if mishandled.
- 2) **ALWAYS** keep your crossbow pointed in a safe direction. Never point your crossbow at anything you don't intend to shoot.
- 3) **NEVER** enter a vehicle with a loaded crossbow. Always uncock and properly stow your crossbow for transporting.
- 4) **ALWAYS** check your crossbow to make sure that it is in proper mechanical order. Check for damaged, worn, loose or missing parts.
- 5) **NEVER DRY FIRE YOUR CROSSBOW.** Firing the crossbow without a bolt will cause damage not only to the crossbow but possible bodily injury to you and anyone in the area. It also voids the warranty.
- 6) **DO NOT** make changes or alterations to any parts of this crossbow as it may cause an unsafe condition and will void the warranty.
- 7) **NEVER** release the safety on your crossbow until you are ready to shoot and are sure of your target.
- 8) **NEVER** shoot any bolt or other projectile from your crossbow that has not been recommended by PSE. Use only bolts of the proper size, weight and length.
- 9) **ALWAYS** keep your fingers and thumb out of the path of the string and cables while shooting your crossbow. Failure to do so will cause injury.
- 10) **ALWAYS** wear safety glasses when handling a crossbow.

## WARNING:

Use extreme caution while operating this weapon. Never run, crawl, ride a horse, operate an ATV, motorcycle or travel in a vehicle with a loaded crossbow. Accidental discharge could prove harmful or fatal.

**NOTE:** This manual covers only the PSE Warhammer® crossbow model. If this is the incorrect manual for your crossbow model, please contact PSE Customer Service at 1-800-477-7789.



*Thank you for purchasing your new PSE Warhammer® crossbow! With proper use and care your crossbow will provide years of enjoyment. Keep this manual with your crossbow for reference.*

### **PSE WARHAMMER® SPECIFICATIONS**

**SPEED:** Up to 400 FPS with 400 Grain Bolt  
**KINETIC ENERGY:** 142 FT LBS  
**MASS WEIGHT:** 7.6 LBS  
**POWER STROKE:** 14-1/2"  
**AXLE-TO-AXLE:** Relaxed: 10-3/4" / Full Draw: 6-1/8"  
**LENGTH:** 29"  
**TRIGGER:** AUTO SAFETY & ADF (Anti-Dry Fire)

#### **YOUR WARHAMMER® CROSSBOW ACCESSORIES:**

- HDV-425 1.5-5X32 VARIABLE ZOOM ILLUMINATED RETICLE SCOPE
- ADJUSTABLE BUTTSTOCK
- FOOT STAND
- 3-BOLT WARHAMMER® QUIVER
- 3-22" THUNDER BOLTZ (425 GRAINS WITH BULLET POINTS)
- RAIL LUBE
- PSE ROPE SLED COCKING DEVICE OR COCKING WINCH (DEPENDING ON MODEL)
- PSE DECOCKING BOLT

## **MOUNTING THE QUIVER**

1. Slide the quiver into the groove on the quick release mounting bracket. Make sure the locking lever is in the open position. (Fig.1)
2. Lock the quiver by turning the locking handle, you can unlock and remove the quiver by opening the locking lever. (Fig.2)

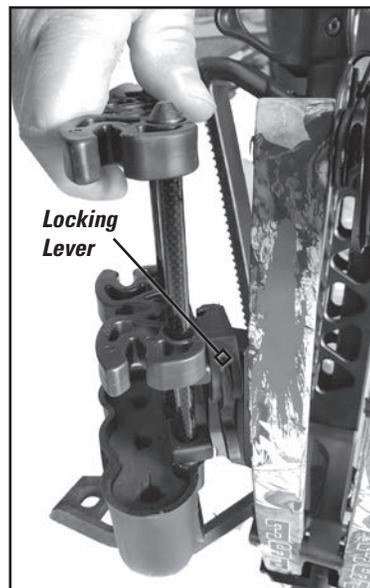


Fig. 1



Fig. 2

**JOIN PSE NATION AT  
WWW.PSEARCHERY.COM**



## COCKING THE CROSSBOW



**DO NOT** cock or load your crossbow unless you are in a safe area to shoot.

1. Before cocking your crossbow, ensure the safety is in the "OFF" position. If not, insert the crossbow bolt into the flight track (with the cock-vane facing down) - then slide it all the way back until the nock activates the anti-dry fire mechanism.
2. Place the rope into the groove (Fig.5) then reach down and attach the sled to the string. (Fig.6)
3. While standing, position the crossbow in front of you with the foot stand on the ground. Place your foot securely on the stand and brace the buttstock on your leg.
4. With your palms facing inward, grasp the T-handles, then simultaneously stand erect and pull up on the T-handles until the bowstring engages the trigger-safety. The safety moves from the "OFF" position to the "ON" position and the string latch engages the bowstring. (Fig. 7 & 8)
5. Once the bow had been successfully cocked, remove the cocking sled from the bowstring and remove the rope.



Fig. 5



Fig. 6



Fig. 7



Fig. 8

## UNLOADING AND UNCOCKING

The safest way to unload and uncock a crossbow is to discharge a decocking bolt into a target at close range or into soft dirt or sand. Be extremely careful since the bolt could ricochet. Using a crossbow bolt with a field point installed would be suitable for de-cocking purposes.

## NEVER DRY FIRE YOUR CROSSBOW!

Firing your crossbow without a bolt will damage the crossbow, possibly cause bodily harm and void the warranty.

## STRING REPLACEMENT

The string on your crossbow will wear down over time and must be replaced. If not properly cared for or replaced when necessary, your string can fail leading to accidental firing and serious injury.

**The string on your crossbow should be replaced every 500 shots or once a year, whichever comes first.**

**Failure to do so will void your warranty.**

## LOADING AND SHOOTING YOUR CROSSBOW

1. When loading an arrow, hold it between your index and middlefingers and your thumb, just behind the broadhead or field point. This method keeps your fingers away from the path of the bowstring.
2. With the crossbow cocked and pointed safely down range, place a bolt of the correct size in the groove on top of the rail with the odd colored fletching down into the flight track. See (Fig. 8). Slide the bolt back into the string under the arrow retention spring until it makes complete contact with the string. The crossbow is now loaded. Handle with extreme care.
3. With the crossbow still pointed safely down range, place the butt of the stock on your shoulder with the front hand on the foregrip of the stock. **IMPORTANT: Keep your thumb and fingers well below the path of the string and cables. Also keep your eye at least 2 inches behind the rear sight or scope. Failure to follow these safety precautions can result in serious injury.**
4. Move the safety to the "OFF" position. (Fig. 9). Take careful aim and squeeze the trigger smoothly to fire the crossbow.



Fig. 8



Fig. 9

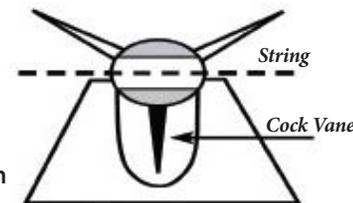
## LOADING AND SHOOTING YOUR CROSSBOW (CONTINUED)

### CORRECT LOADING

Your PSE crossbow can only be fired safely if the cock vane is loaded correctly. Failure to do so can result in a dry fire, crossbow damage, or serious injury to you or others.

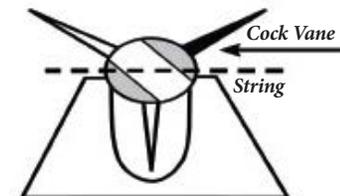
### CORRECT!

The cock vane (odd colored vane) should be placed down and inside the barrel. The nock should be oriented 90 degrees to the direction of the cock vane.



### INCORRECT!

If the cock vane is not the down inside position, the string may travel over the nock and result in a dry-fire.



### ATTENTION!!!

**IT IS REQUIRED THAT YOU ONLY USE PSE-BRANDED  
CROSSBOW BOLTS WITH HALF-MOON NOCKS.  
DO NOT USE FLAT NOCKS, CAPTURE NOCKS, OR OMNI NOCKS.**

## SCOPE INSTALLATION & SETUP

Attach the bottom rings to the rail, taking into account an eye distance of roughly 2"-3" from your eye to the eyepiece when holding your crossbow in a shooting position.

Lightly tighten the screws on the bottom rings so you can still adjust them on the rail.

2. Place the scope into the bottom rings. Place the top rings on the bottom rings (Figure 3), then lightly tighten the screws on the top rings so you can still easily move the scope in the rings.

3. Before fully tightening the rings, look through the scope in your normal shooting position. Adjust the scope until you find the point of maximum eye relief (at least 2 inches from your eye) that still allows you to see a full field of view.

4. Position your crossbow as level as possible. Place a level on the limb mounts to confirm your crossbow limbs are level.

5. Rotate the scope until it is level with your crossbow limbs.

6. Tighten the upper rings, alternating between front and back screws, while still keeping your scope level. (Fig.4) Keep tightening front to back, alternating screws until secure. Do not over-tighten the mounting rings. This could damage the scope and void the warranty.



Fig. 3



Fig. 4

## SIGHTING IN YOUR CROSSBOW

Sighting in your scope involves adjusting the point of aim (POA) to match the point of impact (POI).

1. Choose a safe location to shoot your crossbow. Place a target on the backstop and set up a shot at a distance of 10 yards.
2. Before taking your shot, rotate the FPS selection dial on your scope to match the actual speed of your crossbow. The actual speed of your crossbow can be found by shooting the a crossbow bolt through a chronograph.
3. Take a shot at the center of the target utilizing the 20 yard point on the reticle.
4. Remove the cap from the windage adjustment dial and elevation dial to make adjustments, bringing the point of impact closer to the point of aim. Example. If the point of impact is higher than the point of aim, rotate the elevation dial clockwise. If the point of impact is lower than the point of aim, rotate the elevation dial counterclockwise. At a distance of 10 yards to the target, each click moves the point of impact 1/20th of an inch.
5. Once the point of impact is the same as the point of aim at 10 yards, repeat the process for 20 yards. At 20 yards to the target, each click moves the point of impact 1/10th of an inch.
6. Once the point of impact is the same as the point of aim at 20 yards, repeat at 50 yards using the 50 yard aiming point on the reticle. At 50 yards of distance to the target, each click moves the point of impact 1/4 of an inch. Once the point of impact is the same as the point of aim, you have now sighted in the scope to your crossbow. Replace the caps on the adjustment knobs.

### Scope Specs:

Magnification	1.5-5 X
Objective Lens Diameter	32 mm
Eye Relief:	2.8-3.1"
Tube Size:	30 mm
Adjustment Graduation:	1/2 MOA
Travel per Rotation:	8 MOA
Length:	8.5"
Weight:	16.2 ozs

### Features:

Fully Multi-Coated Lens
Second Focal Plane
Etched Glass Illuminated Reticle
Waterproof
Shockproof
Fogproof



## PROPER SHOOTING TECHNIQUE

When shooting it is important to adhere to proper form and technique. Failure to do so can result in severe injury or amputation.



**DANGER!!! STOP!!**

**INCORRECT FORM - FINGERS ABOVE BARREL!**



**DANGER!!! STOP!!**

**INCORRECT FORM - THUMB OR FINGERS BEHIND FOREGRIP & ABOVE BARREL!**



**DANGER!!! STOP!!**

**INCORRECT FORM - THUMB ABOVE BARREL!**

Crossbow models shown are for illustration purposes only. Shooting technique examples apply to ALL models.



# CORRECT!

**CORRECT FORM** - YOUR HAND IS SECURELY GRIPPING THE FOREGRIP, WITH YOUR FINGERS AND THUMB BELOW THE BARREL AND THE PATH OF THE BOWSTRING. GREAT JOB!

**YOU ARE NOW READY TO AIM AT YOUR TARGET AND SHOOT!**



**WARNING: MAKE SURE THAT YOUR HAND, FINGERS, AND THUMB REMAIN BELOW THE STRING AND BARREL SURFACE WHEN THE CROSSBOW IS COCKED. FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY, INCLUDING AMPUTATION.**

## GENERAL MAINTENANCE PROCEDURES

The best maintenance begins with inspecting your crossbow for damaged, loose, worn, or missing parts every time you use it.

1. Replace frayed or worn strings, cables, or cocking unit cords immediately. To extend the life of your strings, cables, and draw cords, treat them with a high-quality string wax. PSE recommends changing strings and cables every year or after 500 shots under normal hunting/shooting conditions.
2. Be sure to regularly lubricate your flight rail to reduce friction and extend the life of your center serving. Be sure to use a lubricant specifically designed for optimum lubrication without leaving an oily or greasy film.
  - To lubricate the flight rail, apply a drop of lubricant on both sides of the rail and spread it the length of the barrel with your finger. Be sure to do this approximately every 75 shots. Be careful, applying too much lubricant can break down your center serving.
  - Apply a drop of lubricant to your wheels/cams/axles as needed. Periodically lubricate the crossbow cam bearings, and always do so after the bow gets wet.
3. Keep your trigger dry from water and well-lubricated. After using your crossbow in wet conditions, dry the the trigger and trigger housing with a blow dryer. To avoid rust, spray the interior of the housing with WD-40 (or comparable lubricant) to force out any remaining moisture before you apply lubricant inside the slot close to the string latch, safety slide, and inside the safety knob window.
4. Always lubricate your crossbow before long-term storage, and keep it in a cool, dry place. Leaving it esposed to excessive heat, such as in a vehicle or attic during hot weather, can alter its tuning and cause dry rot of the strings and cables. Additionally, storing it in damp coniditions may cause rust.

---

**JOIN PSE NATION AT  
WWW.PSEARCHERY.COM**



## CROSSBOW TROUBLESHOOTING

### The crossbow will not fire when the trigger is pulled:

You may have tried to cock the crossbow with the safety knob on "ON" rather than the "OFF" position. In this case, your bowstring could be held by the Anti-Dry Fire mechanism rather than the string latch. The safety selector must be set to the "OFF" position before you can engage both the string latch and trigger safety. Move the safety selector to the OFF position and complete the cocking motion with your cocking device. The bowstring will then set the trigger safety and you will be able to fire the bow after switching the safety selector to "OFF".

### The crossbow will not successfully cock:

- Your trigger may need to be lubricated. It may also be rusted.
- Your trigger mechanism may be impacted with wax, grease, or some other substance used to lubricate the flight rail and string serving. Contact PSE Customer Service or take the crossbow to a PSE Authorized Dealer for cleaning or service.
- The safety must be in the FIRE (red) position before attempting to cock the crossbow. My string and/or cables are fuzzy, fraying or cut.
- If they are fuzzy, apply a thin coat of string wax/conditioner (excluding the serving) and burnish it in by vigorously rubbing the waxed string or cables between your fingers and thumb. The friction will melt the wax into the string or cables.
- If they are frayed or cut, do not attempt to use your crossbow. Contact the PSE Customer Service Department or your local dealer for replacements.

### The center serving is fraying or separating:

- Your string has been installed incorrectly if its serving is wrapped in the opposite direction that the string is twisted. This condition will cause the serving to unravel. If caught soon enough, reinstalling the string with the twists in the same direction as the serving wraps will solve the problem. Otherwise, contact PSE Customer Service or your local dealer.
- You may have been applying too much lubricant to the flight rail, causing the serving to come off in chunks. You will need to replace the string or have it reserved.

### The shot groupings are incosistent:

- Inaccurate cocking is the most common cause of inaccurate shooting. Check the Cocking Your Crossbow section in this manual.
- If your arrow groupings are tight with field points but not with broadheads, you probably need to tune your arrows. If your arrows wobble at the connection between the broadhead and insert when you spin them on their tips, they are out of tune. Be sure that your arrows are the same brand, weight, and size and broadheads are the same brand and weight.
- Your scope may be defective. Contact PSE Customer Service.

### The camo is coming off the crossbow.

- Some crossbow surfaces are subject to normal wear and tear. If you have questions about wear and tear, contact PSE Customer Service.



