WARNING: USE ONLY PSE TAC CROSSBOW ARROWS. USING OTHER ARROWS WILL CAUSE PERSONAL INJURY AND DAMAGE TO THE CROSSBOW.

NEVER modify any part of this crossbow or any of its components by drilling holes or removing material. This voids the warranty and presents safety problems.

SAFETY FIRST!

1. ALWAYS WEAR SAFETY GLASSES when cocking, shooting or handling the crossbow.
2. ALWAYS inspect each arrow for damage before shooting. Check the nocks for breakage or cracks, check each arrow shaft by flexing it, and check for the presence of an arrow point. If the arrow appears to be damaged in any way, DO NOT shoot it.
3. Check the crossbow string and nocking loop for any broken strands. DO NOT shoot the crossbow if the string is damaged.
4. When shooting the crossbow, DO NOT place your hand or fingers in the path of the string. Injury will occur if the string strikes any part of your hand.
5. NEVER attempt to dry fire the crossbow. Even though this crossbow is equipped with an anti dry fire release, DO NOT pull the trigger without an arrow loaded.
6. ALWAYS be sure of your intended target, as well as what lies beyond the target area. An arrow can travel a considerable distance, so it is important to have a safe and sound backstop.
7. NEVER store or leave the crossbow in the cocked position for long periods of time.

PREPARING THE AR-15 FOR PSE TAC CROSSBOW INSTALLATION

1. Place the safety lever in the “SAFE” position.
2. Remove the magazine and open the chamber to remove the round that may be in the chamber.
3. Remove all shoulder straps.
4. Close the bolt.
5. Remove take-down pins and carefully follow the instructions provided with the AR-15 to remove the upper receiver.

PSE TAC CROSSBOW ASSEMBLY

1. Install the prod assembly onto the barrel assembly using the two 5/16"-24 screws provided in the kit. Figure 1. Install the prod on the TACi (integrated) crossbow in the same manner.

2. The hammer of AR-15 must be in the cocked position before installing the crossbow barrel. Figure 2. After hammer is cocked, place the safety lever in the SAFE position.
3. Fit the AR-15 lower receiver onto the front pin hole of the crossbow barrel and secure the pin. Figure 3.

4. Rotate the AR-15 into the rear pin hole of the crossbow barrel and secure the rear pin. Figure 4.

SAFETY INSPECTION

1. Before using the PSE TAC Crossbow, inspect the nocking loop for wear. If there is any visible wear or fraying to the loop, before shooting the crossbow, have your PSE Crossbow Dealer or the PSE factory replace it. Figure 5. When the loop shows wear, the string, cables and draw cord are also worn and should be replaced. **WARNING:** Loop material is specially engineered. **DO NOT** replace with standard loop material.

   **NOTE:** Crossbow Maintenance Kit P/N 01143 is available from your local PSE Dealer which includes a string with loop installed, cables and draw cord.

2. Inspect the bowstring at the points where it contacts each cam. If there is any sign of wear or fraying, have it replaced by a PSE Crossbow Dealer or the PSE factory. Figure 6.
COCKING AND LOADING

1. Push the ratchet release lever down (Figure 7) and pull the release assembly toward the string (Figure 8 & 9) until the draw position pin contacts the string stoppers.

2. Place the string loop on the release hook. Figure 9.

3. Nock a PSE TAC Crossbow arrow (Figure 10). Attach the crank to the ¼” square drive on the right-hand side of the crossbow. IMPORTANT: THE ARROW MUST BE NOCKED BEFORE THE CROSSBOW IS AT FULL DRAW.

4. With the arrow in place, crank the string back to full draw. The draw position pin must be in the notches in the barrel when full draw is reached. Figure 11. CAUTION: ALWAYS POINT THE CROSSBOW IN A SAFE DIRECTION.
5. Do not over crank. There should **NOT** be a gap between the draw position pin and the notch as shown in Figure 12. The draw position pin should be in contact with the notch as shown in Figure 13. If there is a gap, follow steps 1 and 2 in the procedure outlined in “Letting Down the Crossbow” (below) without removing the arrow to eliminate the gap.

![Gap and No gap](#)

6. **CAUTION:** The crossbow is now loaded and ready to shoot. **Make sure the Safety is in the “SAFE” position until you are ready to shoot.** Move the lever to the “Fire” position to shoot.

**LETTING DOWN THE CROSSBOW**

1. To let the crossbow down without shooting, place the safety in the “SAFE” position and carefully remove the arrow.

2. With the crank in place and one hand on the knob of the crank, apply a slight pressure in the DRAW direction. Figure 14.

3. While still applying the slight pressure with the crank, use the other hand to push down on the Ratchet Release Lever with your thumb and lift up on the draw position pin with your index finger as shown in Figure 15.

4. While continuing to hold the ratchet release lever down (Figure 16), **SLOWLY** turn the crank in the “Let Down” direction until the string is resting on the string stoppers. **NOTE:** Just starting the let-down process (with bow at full draw) you may hear a loud click. This is the cocking bar in the release pivoting back over the hammer and is normal. To stop at any point during the let down, release the ratchet release lever allowing it to engage.
TUNING THE PSE TAC CROSSBOW

It is ideal when the crossbow will shoot a perfect bullet hole through paper. Figure 17 shows the desired results when tuning with a bare arrow. Figure 18 shows the desired results when tuning with an arrow that is fletched. Shoot the crossbow through paper making the following adjustment as explained below until the desired results are achieved.

1. If the arrow demonstrates a down tear, adjust the arrow rest by moving it up. Loosen the arrow rest screws to adjust. See Figure 19.

2. If the arrow demonstrates an upward tear, adjust the arrow rest by moving it down.

**IMPORTANT SAFETY NOTICE:** DO NOT attempt to adjust the arrow rest if the crossbow is cocked or if there is an arrow on the rest.

3. If the arrow demonstrates a left tear, adjust the nocking loop by moving it to the right. See Figure 20.

4. If the arrow demonstrates a right tear, adjust the nocking loop by moving it to the left. See Figure 20.

To adjust the loop, place a loose arrow nock into the nocking point and rotate it around the string in one direction to move the loop to the left and rotate it in the other direction to move it to the right. See Figure 21.
5. Inspect cams and cables to assure that the cables are in proper orientation to the Reference Marks on the cams. Figure 22. The cables need not be in perfect alignment with the Reference Marks but they must match from cam to cam. If the Reference Marks are out of alignment an authorized PSE dealer can make the adjustment.

SHOOTING TECHNIQUES

The PSE TAC Series Crossbow can be very accurate when certain shooting techniques are applied and practiced.

- Never rest the crossbow on the barrel. Rest only on the cantilevered fore-grip.
- Lightly hold the butt of the crossbow on your shoulder and use the same amount of pressure to hold it in place from shot to shot. This allows recoil while the arrow is still in the crossbow. Be as consistent as possible.
- Make sure the Draw Position Pin is in the proper position when the crossbow is cocked. See Step 5 in the Cocking and Loading section above. Consistency is very important.
- Pull the trigger very slowly and smoothly. Try to replicate this motion each time you shoot. Again, consistency is of the utmost importance.
- Do not tilt the crossbow from side to side. Keep the bow level with the limbs parallel to the ground when shooting.
PSE TAC SERIES CROSSBOW TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Issue</th>
<th>Possible Reasons and Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>When cranking, release stops before full draw.</td>
<td>• Hammer in lower receiver may not have been cocked before mounting. Reinstall lower and make sure hammer is cocked before first pull.</td>
</tr>
<tr>
<td>When cranking, a clunk is heard and the arrow may pop off the string.</td>
<td>• The draw cord is not spooling up properly. The draw cord is initiating its spooling in the wrong direction. Looking at it from the back it should spool to the left first. Remove the lower and unspool the release all the way. Start cranking it back and use your finger to start the spooling in the proper direction. NOTE: When pulling the release forward, only pull it far enough forward to attach it to the loop. This will prevent the first wrap around the spool from winding in the wrong direction.</td>
</tr>
<tr>
<td>When cranking, there is a ticking noise that sounds like it is coming from the cams and/or pockets.</td>
<td>• The pockets and pivots may need to be greased, especially between the pivots and the riser.  • A wheel bearing may be going bad. Bring to your local PSE dealer or contact PSE Customer Service.</td>
</tr>
<tr>
<td>When cranking, a squeaking noise is heard.</td>
<td>• The gears may need to be greased. Remove lower receiver and apply light grease/oil to the gear teeth.  • Contact PSE Customer Service if problem still exists</td>
</tr>
<tr>
<td>The release is hard to pull forward and feels like it is sticking.</td>
<td>• The shoulder bolts holding the spool gear located towards the back of the upper receiver may have broken loose which creates a binding situation for the gears. Tighten bolts and try again.  • Check draw-cord for wear and fraying. If there is wear contact customer service or your local dealer.</td>
</tr>
<tr>
<td>Arrows appear to be fish tailing or vertically porpoising.</td>
<td>• The bow may be out of tune and/or the loop may be off center.  • The PSE TAC Crossbow can be tuned just like a bow. Bring to a qualified technician for tuning. Shooting through paper is a good way to observe the flight of the arrow as it leaves the bow.</td>
</tr>
<tr>
<td>Broadheads don’t shoot in the same spot as field points.</td>
<td>• Start with making sure the bow is properly tuned. Bring to a qualified technician.  • Be sure the broadhead is on straight. Check by spinning the arrow to observe any wobble.  • If properly tuned, the broadhead is probably the problem. Due to the high speed of the PSE TAC Crossbow, not all broadheads (Especially fixed blade types) will have the proper aerodynamics to be stable.</td>
</tr>
<tr>
<td>Vanes on the arrows are wrinkled or worn.</td>
<td>• Due to the high speed of the PSE TAC Crossbow, the vanes will change, wear, and wrinkle from shooting. There are many vane options and PSE carefully selected the best option available for a combination of accuracy and durability. Even if the vanes appear to be worn out or wrinkled they should continue to shoot very well and it is not necessary to re-fletch until vanes have tears, are completely ripped off, or a noticeable drop in accuracy has been observed.</td>
</tr>
<tr>
<td>Periodically shots will impact very low.</td>
<td>• It is very important to draw to the same exact position each shot. Do not over draw the crossbow. Stop drawing immediately when the pin drops into the full draw position catch. Over drawing the crossbow will cause the arrow to impact very low because the front of the release is raised up which angles the arrow down.  • If overdrawn, crank the release all the way back and press the ratchet release down. Then let the release forward until it stops in the notch.</td>
</tr>
<tr>
<td>Scope will not “zero” at close ranges</td>
<td>• The scope rail on the upper receiver is machined at an angle to maximize the range that a scope can be zeroed at. Not all scopes will have enough internal adjustment to “zero” at close ranges.  • The vertical position of the arrow rest may need to be adjusted. Have a qualified technician tune the bow. Shooting through paper to observe arrow flight is recommended.  • Don’t deliberately move the arrow rest to compensate for the scope’s lack of adjustment if the bow is in tune. This will only cause poor arrow flight and result in a loss of accuracy.</td>
</tr>
<tr>
<td>Strings and/or serving wear</td>
<td>• Strings and ropes will wear and eventually need replacement. ~800 shots under normal use.  • Applying wax or string lube will greatly increase the life of the strings.  • If significant wear occurs in only a few shots, debris or a burr may be the cause. Bring to a PSE Dealer or contact PSE Customer Service. PSE TAC Maintenance Kit, P/N 01143 contains the necessary replacement parts.</td>
</tr>
<tr>
<td>Bow is not shooting in advertised speed range.</td>
<td>• Check axle-to-axle length at rest. Bow should measure 17” to 17-1/8” axle-to-axle.  • Check draw weight.</td>
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</table>
PSE TAC CROSSBOW STATEMENT OF WARRANTY

All PSE TAC Crossbows must be registered by serial number through the PSE Warranty Registration to activate all warranties. PSE TAC Crossbow machined parts are backed by the PSE limited 5 Year Warranty to the original owner only from the manufacture date. Product will be repaired or replaced to restore to its original condition up to but not to exceed 5 years.

PSE TAC Crossbow limbs are backed by the PSE Limited 1 Year Warranty to the original owner only from the manufacture date. Product will be repaired or replaced to restore to its original condition up to but not to exceed 1 year.

PSE TAC Crossbow cables, strings, D loop, draw cable and rubber stoppers are normal wear and tear items and are to be replaced as needed, at the owner’s expense. PSE recommends that cables, string, D Loop and draw cord undergo normal maintenance replacement every 500 shots. All items should be replaced at the same time.

PSE TAC Crossbow bolts are considered normal wear and tear items and are to be replaced as needed, at the owner’s expense. All warranty claims are voided if not using PSE TAC Crossbow bolts. PSE cannot be held responsible for injury or product failure resulting from not using the approved PSE TAC15 Crossbow bolts. Evidence of mishandling, abuse or modification of the product or use of non-PSE replacement parts voids any/all warranty claims.

PSE cannot be held responsible for injury or product failure resulting from improper use or neglect of maintenance. Always wear safety glasses when using the PSE TAC.

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.

**Proof of purchase is required for any/all warranty claims.**

**Warranty claims are honored to original owner only.**

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**IMPORTANT – WARRANTY REGISTRATION**

**THIS FORM MUST BE RECEIVED BY PSE WITHIN 30 DAYS OF PURCHASE**

CROSSBOW MODEL: WHERE PURCHASED:

SERIAL NUMBER:

YOUR NAME:

ADDRESS:

CITY: STATE: ZIP:

COUNTRY: POSTAL CODE:

EMAIL ADDRESS:

DATE PURCHASED: PHONE: ( )

Cut out and mail form to:

PSE Archery WARRANTY REGISTRATION, P.O. Box 5487, Tucson, Arizona 85703

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