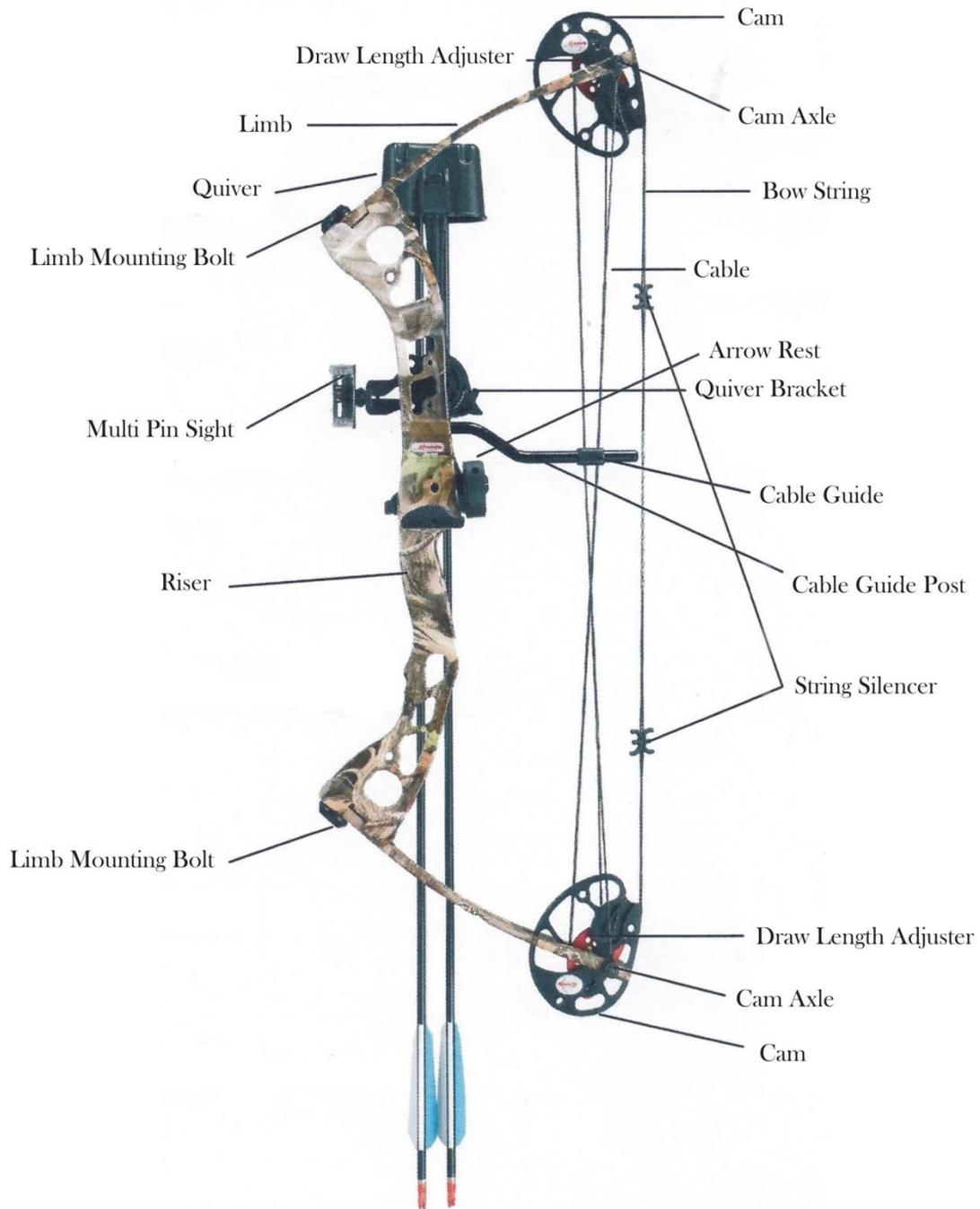


# Raptor Compound Bow Manual

*By: SA Sports, LLC.*



## Important Safety Information

It is important that you read and understand these instructions completely. Failure to follow these instructions could lead to damage to your bow or personal injury.

- Do not Dry-Fire the bow.
  - Dry-Fire means drawing and releasing the bow string without an arrow.
    - Without the arrow to transfer the energy to, the bow can become damaged and/or could cause personal injury.
- Do not expose the bow to extremes in temperature or humidity for long periods of time.
  - Store your bow in a cool dry place.
    - Storage in an area where the temperature is not controlled, or storing the bow in a humid area can cause damage to the bow.
- Be sure of your target and the surrounding area before shooting your bow.
  - Do not shoot if there are people, buildings or other objects in the area of the target.
  - Be extra careful in low light or poor visibility areas.
  - Be sure of your target before shooting.
- Inspect the entire bow and all arrows prior to shooting.
  - Damaged arrows should be discarded and replaced
  - Damaged or worn bow parts should be serviced or replaced immediately.
- Never shoot an arrow straight up in the air.
- It is recommended that you wear protective gear; Finger guards, arm guards and safety glasses when shooting any bow.
- Be careful with broadheads near the string. A broadhead can cut the Bowstring or Cables with very little effort and can damage the bow and/or cause personal injury.
- Do not draw the bow beyond the draw length it is set for. This can cause damage to the bow and/or personal injury.
- Never point or aim the bow at a person.

## Assembly of Your Raptor Compound Bow

- Install the Cable Guide Post into the hole on the back of the Riser and slide the Cable Guide onto the Cable Guide Post.
- Install the cables into the grooves in the cable guide and then rotate the Cable Guide Post to pull the cables away from the arrow path and snug the set screws in the right hand side of the riser. Check that the cables are not touching each other. (If they are touching each other, you will need to flip the Cable Slide so the cables are in the opposite grooves.) Carefully tighten the set screws. Do not over-tighten the screws.
- Install the Arrow Rest Bracket on the left side of the bow with the set screw for the side to side adjustment toward the bottom of the bow. Insert the Arrow Rest from the left side of the bow. The brushes should be on the left side of the riser with the opening in the holder to the top. Do not over-tighten the bolt or screws.
- Install the Multi-Pin Sight from the right side of the bow. The Sight Pins should be on the left side of the bow when properly installed. Do not over-tighten the screws.
- Install the quiver disc on the Multi-Pin Sight Bracket using the flat cap screws that came with the Quiver. These screws go in the rear holes in the bracket and will tighten into preinstalled nuts in the bracket. Do not over-tighten the screws.
- Install the quick release mount on the quiver using the Phillips screws provided. Do not over-tighten the screws.

# Setting Up and Adjusting Your Raptor Compound Bow

## *Cable Guide Adjustment*

- The Cable Guide should be adjusted to make sure the arrow does not hit the Cables; however, the Cables should not be too far from their natural line of pull.
  - Excessive angle on the Cables can cause the cables to jump off the cams and can cause damage to the bow and/or personal injury.

## *Draw Length adjustment*

- You can adjust the draw length on the bow by removing the 1/8" Head Allen screw on the red cams and setting the cam in the position numbered for the required draw length.
  - Be sure both adjusters are set at the same number and the screws have been reinstalled and tightened. (Be careful to avoid over-tightening the screws, as this can strip the threads and is not covered under the warranty.)

## *Draw Weight Adjustment*

- You can adjust the draw weight of the bow by turning the Limb Mounting Bolts on the upper and lower end of the riser. (NO more than 3 complete turns each.)
  - Be sure the Limb Mounting Bolts are turned an equal number of turns to maintain proper adjustment.
  - Do not turn the Limb Mounting Bolts more than 3 turns loose.
    - Loosening the Limb Mounting Bolts more than 3 turns can cause damage to the bow and/or personal injury.
- 1 full turn on each Limb Mounting Bolts is approximately 7 pounds of draw weight.

## *Arrow Rest*

- The center of the Arrow Rest should be directly in line with the string along the vertical center of the bow.
  - If shooting with your fingers rather than a mechanical release aid, the arrow tip should be slightly to the left of center to allow for the string to drift to the left on release. (We recommend 1/2 to 1 arrow shaft diameter be used for this offset.)
  - If shooting with a mechanical release aid, there is no need to adjust the arrow side to side.

## *Sight Adjustment*

- When setting the pin sights, we recommend setting them for the 3 most common distances you will be shooting. (i.e.; 15, 25 and 35 yards)
  - When sighting the bow, take 2 shots aiming at center of the target, and if the shots are grouped together but not centered in the target, move the pin in the direction the arrow actually struck the target. Then take 2 more shots and see how much your arrows moved. Repeat this process until you are aiming at the center of the target and hitting in a group. If the arrows need to be moved left or right, move the arrow rest in the opposite direction 1-2 mm at a time until the arrows are hitting the target centered.
    - Accuracy of the bow is dependant on consistent shooting style and technique.

## Compound Bow Maintenance

It is recommended that you have the bow professionally inspected and serviced on a regular basis. You may need to have this performed more or less often depending on the amount you use the bow.

- Apply a light coat of bow wax to the string and cables periodically.
- Replace worn or frayed strings immediately to avoid a breakage that can damage the bow and/or cause personal injury.
- Store the bow in a cool dry place. Avoid high heat and high humidity areas.
- After using your bow in rain or other such situations it is recommended to dry the bow and apply a light coating of oil to the cams and axles.
- Never Dry-Fire your bow. (Drawing the bowstring and releasing it without an arrow) Dry-Firing can cause damage to the bow and/or personal injury. If a Dry-Fire happens, check the entire bow for damage. Including paying careful attention to the condition of the limbs, string, cables and cams, as well as the rest of the bow. Damage occurring due to a Dry-Fire is not covered under any warranty.

## SA Sports, LLC One Year Limited Warranty

SA Sports, LLC. Warrants its products to be free from defects in both material and workmanship under normal use and service for one (1) year from date of purchase. Not included are damages from improper use, abuse, unauthorized repairs or modifications or alteration. Specifically EXCLUDED are strings, cables, arrows or other moving parts that are considered to be replaceable parts requiring periodic servicing. Damage from a DRY FIRE (shooting without an arrow), whether intentional or accidental is not covered under warranty and repair costs will apply.

To obtain warranty service, the unit should be packaged securely to avoid damage in transit, it should include a description of the nature of the repair request, and it should be returned postage paid to SA Sports, LLC. At our sole discretion we will repair or replace the unit that is deemed to be under warranty upon inspection, and ship the product back to the customer at no additional cost using a standard delivery service of our choice. Any product received into our facility that is deemed to have been misused, abused, altered, modified or otherwise ineligible for coverage will be issued an estimate for repairs and shipping costs prior to work being completed.

International customers will be responsible for the transit costs both inbound and outbound and should therefore call for a return authorization prior to shipping the product.

Please feel free to contact us regarding any product issue, or additional assembly direction. We will help in any way we can to ensure your best experience with the product.

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Please retain your original sales receipt. In the event you need service, include a copy of the receipt from the date of purchase.