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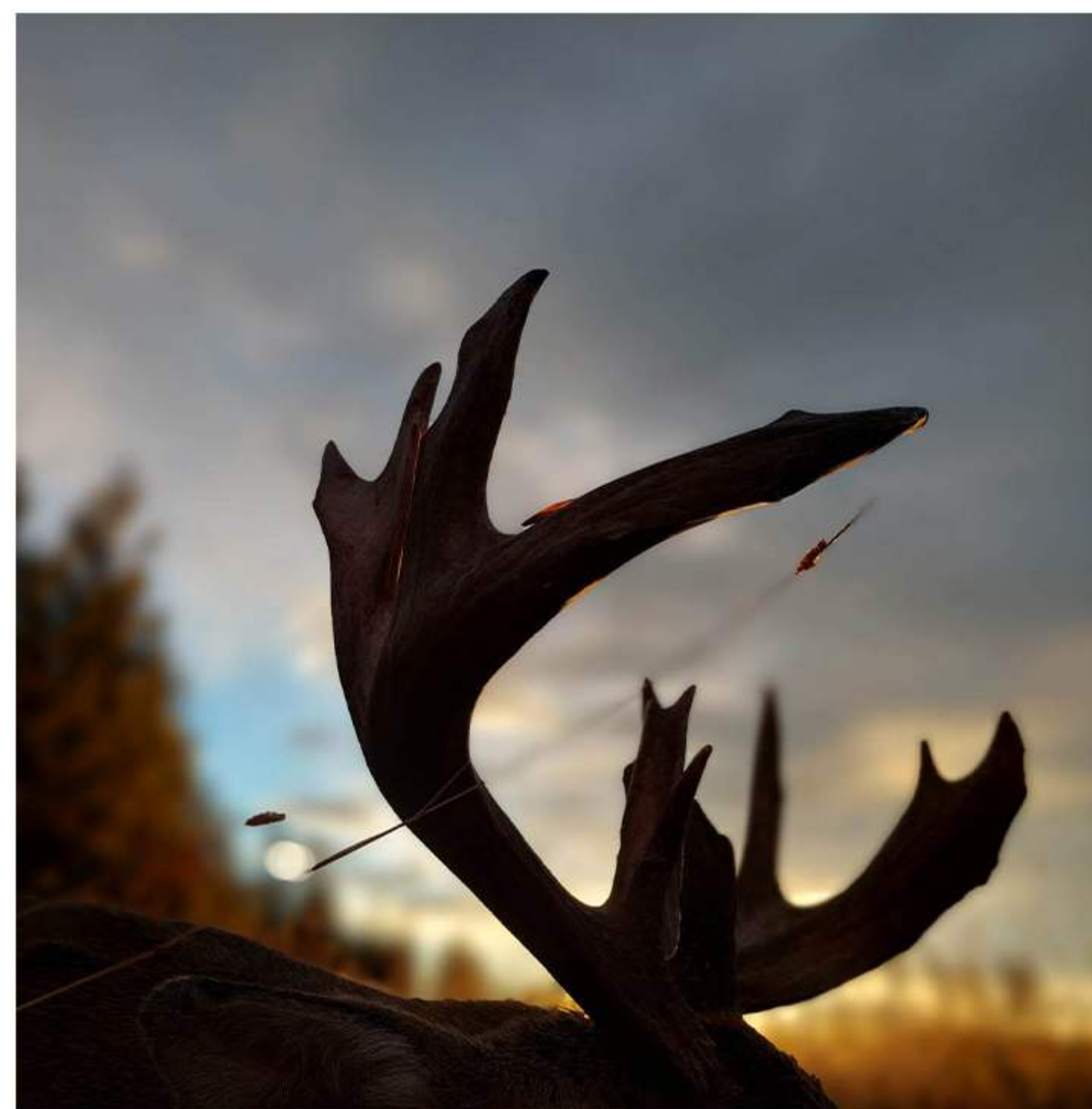
MORE THAN JUST A BOW



COMPOUND BOW
OWNER'S
MANUAL



WELCOME TO APA ARCHERY



WE ARE **NOT** THE SAME.

Thank you for selecting an APA Bow. We feel confident you will be pleased with the performance, functionality and durability we build into each and every bow we manufacture. Our bows are engineered to be user friendly and easy to maintain. With proper care, you will experience many years of enjoyment from your new APA Bow. APA has become synonymous with innovation in the archery industry and is the most technologically advanced bow available.

Here at APA, we strive for excellence in producing the best possible product and your comments are always welcome. We also would like to hear about your success stories using our bows. Any photos or information that you would like to share is appreciated. If a picture or testimonial is sent to us, it is implied that it can be used in our catalogue, advertising, and or website.

To protect yourself and others **you must read the instructions and warnings** in this manual carefully before using any APA Bow.

DISCLAIMER OF LIABILITY

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APA Innovations Inc. is not liable for any personal injury, death, or property damage that may result from your use of this product. The user of this product assumes all risks of property damage or injury to yourself and others that may arise from its use. Use of this product binds the user to this agreement.

If you have any questions about the safety or use of any APA product, contact an authorized APA Innovations Inc. Dealer or call APA Innovations direct at **(306) 948-5101**. Email contact **info@apaarchery.com**

Owner's Record
Bow Model: _____
Date Purchased: _____
Cam Style: _____
Draw Weight: _____
Draw Length: _____
String Length: _____
Cable Length: _____
Control String Length: _____
Purchased From: _____

LIMITED LIFETIME WARRANTY

APA Innovations Inc. believes it builds one of the finest made compound bows on the market today. To back this up, APA Innovations Inc. offers the best warranty in the industry. Every APA Bow is warranted conditionally for the life of the original owner, providing replacement parts remain available. The acquisition of an APA bow must be made by walk-in purchase at an authorized APA dealer or factory-direct if there is no dealer in your area. **Warranty is void on any APA bow purchased through the internet or mail order unless authorized by APA Innovations Inc.**

The first year after purchase is covered 100% at no cost for repair or replacement at the manufacturer's discretion. After the first year a \$45.00 service fee will be charged for each warranty claim.* Transportation and insurance charges for the warranty claim are not covered by APA Innovations Inc.

Physical damage such as dry fires or unauthorized modifications will **nullify warranty**. Bow strings, cables, cable slides, wooden grips and cosmetic appearance such as scratches, chips and dents, paint and/or film dipped finishes are not covered under warranty.

Prior to returning your bow for warranty, a call **must** be made to the factory for an authorized return number. Remove all accessory parts from the bow before returning it to the factory. APA Innovations Inc ensures to provide you with the quickest service possible.

* 50% off retail pricing on bows built with draw weights in excess of 70lbs such as 80, 90, & 100lbs draw weights.

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All warranty bows are to be sent to **APA Innovations Inc.**
704 Main Street, Box 1420, Biggar, Saskatchewan, S0K 0M0, Canada

Warranty Card

For the Warranty to be in effect, the Warranty Card must be completed and properly returned to APA Innovations Inc. along with a copy of the purchase receipt within 30 days of purchase. (Card is on back cover)

Online Warranty Registration

To register your APA bow online, please go to www.apaarchery.com or www.apaarchery.com/contact/warranty-registration

A digital version of the latest manual can be found at
www.apaarchery.com

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This manual contains several safety warnings and instructions preceded with **WARNING**, **CAUTION** or **ATTENTION**. These signal words are designed to draw attention to important safety information. **WARNING** indicates a hazardous situation which, if not avoided, could result in death or serious personal injury. **CAUTION** indicates a hazardous situation, which, if not avoided, could result in moderate or minor personal injury. **ATTENTION** addresses safety practices not related to personal injury.

APA COMPOUND BOW TERMINOLOGY

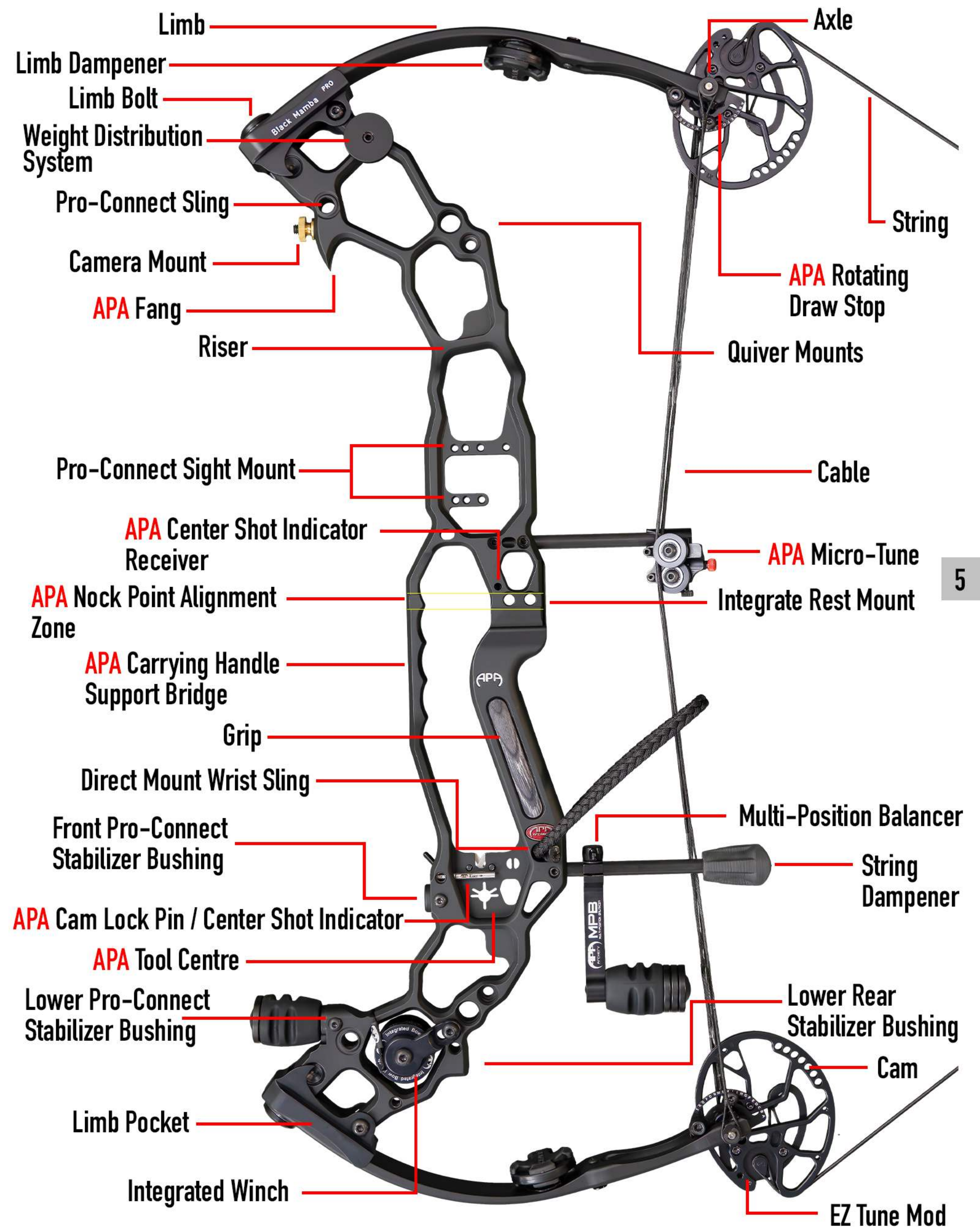


FIG. 1

SAFETY

APA builds high performance bows, please respect the power generated by these bows.

WARNING The use of any archery equipment by a minor should be closely supervised by a responsible adult.

WARNING Prior to each hunt, competition or practice session, inspect your equipment for signs of wear or damage.

CAUTION Consult the Owner's Manual when making adjustments and changes to equipment. Any change or adjustment not covered in the owner's manual should be referred to a qualified dealer or APA Innovations Inc.

WARNING Do not shoot arrows straight up into the air.

WARNING Do not point or aim a bow, loaded or unloaded, at another person.

WARNING Do not take "sound" shots. Be sure of what you are shooting before arrow release.

WARNING Always be sure the area behind your target is clear.

WARNING Do not shoot a bow with a damaged arrow rest or frayed bow string.

WARNING Always inspect arrow, fletching and nock for imperfections such as cracks, splits, or splinters prior to shooting. Damaged arrows must not be used and should be destroyed.

WARNING Never draw the bow without properly adjusted limb bolts (no more than 4 turns off peak weight.) Make sure the cables and strings are properly attached to the correct post and in the correct tracks in order to avoid possible injury.

WARNING Never insert fingers through the cam while operating the Cam Lock System or at any other time.

WARNING Never shoot a bow without properly tying in the peep sight.

WARNING Insure all mod screws are installed and properly tightened with blue loctite.

WARNING Always insure limb pivots located between the limb pocket and limb are in place or limb failure or damage will occur

PREVENTING BOW DAMAGE

WARNING Never dry fire the bow, draw the bow without an arrow.

WARNING Never draw the bow without an arrow nocked. Doing so could cause physical injury and/or damage the bow. When drawing a bow for inspection or demonstration, never release the string at full draw to let down. Hold onto the string and do not let it slip out of your hands. Without the resistance of a properly weighted arrow to absorb the energy, you may damage the bow and cause personal injury to yourself and others.

WARNING Inspect your bow frequently for frayed string or cables and any damaged parts and replace accordingly.

WARNING Inspect your arrow and nock before and after every shot for damage.

CAUTION Whenever your bow is being put in a bowpress, the weight should be set down from maximum by three turns of the limb bolts.

ATTENTION Never allow your bow to be put into a center-pulling bow press as twisting of your bow handle may result. Not covered under warranty.

WARNING Do not use an arrow that is too short to remain on the arrow rest when the bow is at full draw.

WARNING Do not use an arrow that is too weak in spine for your bow.

WARNING Do not back out the limb bolts more than the recommended number of turns (4 turns from peak weight), Serpent max 6 turns from peak weight.

ATTENTION Do not expose your bow to extreme heat, such as in your vehicle, or hot weather for extended periods of time.

WARNING Do not draw your bow when the draw length module or draw stop has been removed.

WARNING Do not draw your bow unless all modules and module screws are installed.

WARNING Do not shoot an arrow that is less than 5 grains per pound of weight, example 70 lbs / 350 gr. arrow

WARNING Do not touch or place fingers near cams while bow is in use or when using the Cam Lock System.

WARNING Do not modify your bow to increase draw weight or length over its designed limits.

DRAW WEIGHT ADJUSTMENT

Typically APA bows have a 10lb adjustable draw weight range. This adjustment is made by using a 3/16 Allen wrench inserted into the limb bolts and turned clockwise to increase weight, counter clockwise to decrease weight. Some models may offer a larger draw weight range, please refer to your bow specifications on the bottom limb. If you have any questions contact APA Innovations Inc.

APA Innovations recommends you tighten clockwise both limb bolts just snug then back both bolts off equally to achieve desired shooting weight. Each complete turn should lower the draw weight approximately 3 to 4 pounds. **WARNING** Never back out the limb bolts more than 4 turns (Some models may allow more adjustment range).

CHANGING STRINGS & CABLES

We recommend to have your **Authorized APA Dealer** change strings and cables unless you have the proper training and knowledge.

When using a bow press

WARNING Change your bow string and cables at the first sign of loose strands or excessive wear. The only way to safely change the string and cables is through the use of a bow press or our patented Cam Lock System. **(Do not use a center pull press)**

CAUTION When using a bow press first decrease the draw weight of the bow making it near the minimum recommended shooting weight. Then relieve the tension on the string and cables. Be sure to only put the minimum tension on the bow as necessary to relieve the tension. This will make it easy to remove the old string and cables to replace with new ones.

CAUTION Be sure to check that all string and cable ends are completely looped over their posts and ensure that they run in the proper track of the cam. Only then should you slowly remove bow from the bow press.

Insist on factory replacement strings and cables of proper measurements. For best performance, make sure APA speed silencers are installed in the proper position. Refer to Fig.6 to confirm minimum clearance for speed silencers.



MORE THAN JUST A BOW

APA CAM LOCK

CAUTION If you are not comfortable working on your bow, we recommend taking/sending your bow to your local pro shop to have strings and or cables replaced. If you do not have a local pro shop, contact APA for assistance.

Another truly innovative technology is APA's patented Cam Lock System. The Cam Lock allows you to change strings and cables on your bow. Simply remove the Cam Lock Pin from its storage located within the Tool Centre on the riser. **Fig.2** Hold the bow by the handle and step on the string, gently pull up on the grip or Carrying Handle just enough to initiate cam rotation. **Fig.3** Insert the pin through one of the holes in the outer perimeter of the cam. **CAUTION** Ensure the ends of the pin are flush with both sides of the limb.

CAUTION Keep fingers clear from cams. Gently let the string back down until the pressure is held by the pin. Now you can change the string on a single cam bow, or change the string and one cable of a dual cam bow. To remove the pin, simply repeat the above steps in reverse order. To change the other cable of a dual cam bow simply repeat the above steps on the other cam and you can now change the opposing cable. **Fig.4** To replace or relax the tension of either cable only, or to adjust the macro cam timing. Squeeze the cable towards the riser until one of the cam lock holes appears on the inside of the limb. Then simply insert the Cam Lock Pin into place to relax the tension on that cable. Reverse this process to remove the pin. **CAUTION** Be extremely careful not to pinch fingers or insert fingers through the cam while operating the Cam Lock feature or at any other time.



BOW TUNING

In order for your bow to perform efficiently and accurately, you will need to achieve straight and true arrow flight.

CAUTION You must first select the correct arrow spine/length for your draw length and draw weight. You can refer to your arrow manufacturer's chart to select an arrow with a correct spine. Due to the high performance of the APA Bows, We recommend to go 1 spine stiffer for best results.

Your bow may require minor re-tuning after 100 or so shots as the string and cables may settle slightly. If this happens, re-tune your bow (Usually the Micro-Tune is all you may need to adjust). It will stay in tune after this process.

The String Dampener should be lightly touching the string when the bow is at rest.

Arrow Rest Install

1. Adjust the rest and d-loop to align your arrow with APA's Nock Point Alignment Zone. Please refer to Fig.1 of your owner's manual to locate your Nock Point Alignment Zone. Position arrow parallel to machined grooves on the riser. (No bow square required)

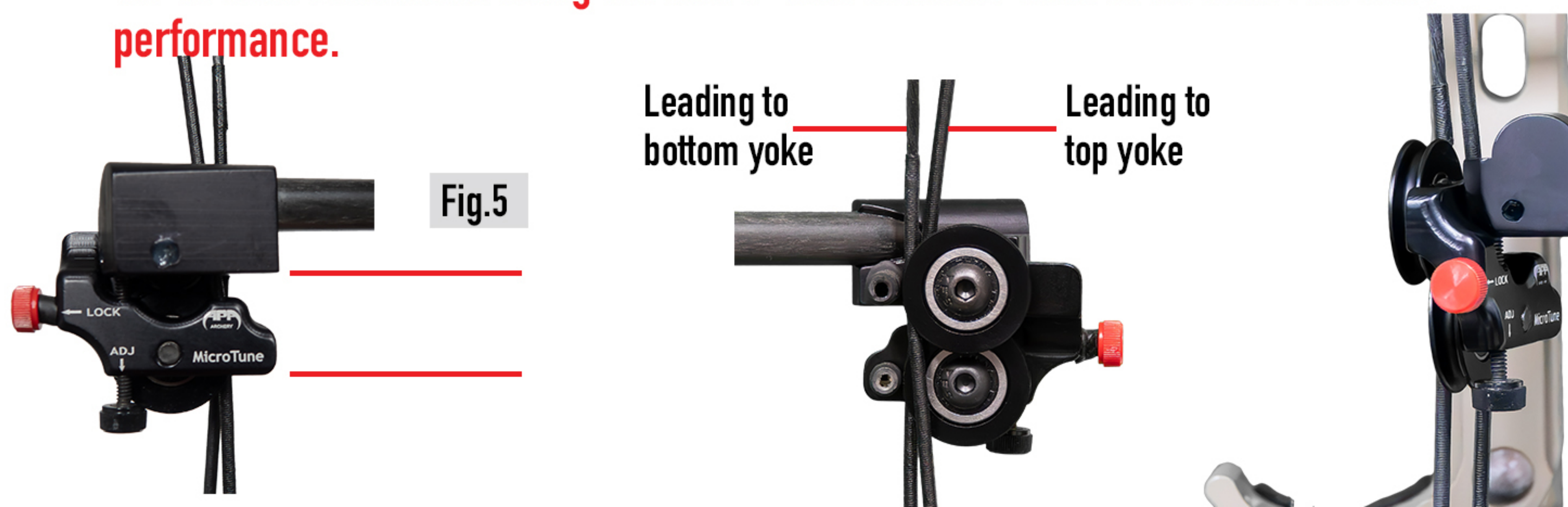
2. Establish centershot (approximately 3/4") or use APA's cam lock / Centershot Indicator to set your side-to-side positioning of the arrow rest. Simply insert the Cam Lock Pin into the Center Shot Indicator Receiver and adjust the left / right of the arrow rest so that the Indicator Center Line is center above the arrow. (No laser required)

MICRO - TUNE

To get the best performance out of your cam system, it is important that the cams are timed properly. On a dual cam bow, both cams should rotate in sync.

APA's Patented adjustable Micro-Tune allows for precise micro timing of your bow. Before starting ensure your Micro-Tune is sitting in its neutral position (center of travel). The Micro-Tune brackets should be parallel to each other in this position, Fig.5 To make an adjustment loosen the red lock screw, Then turn the black screw to either speed up or slow down the bottom cam into sync with the top cam. Turning the adjustment screw clockwise or in will speed up the bottom cam. Turning the adjustment screw counter clockwise or out will slow down the bottom cam. Adjust until desired results are achieved. Ensure your Micro-Tune is square with the riser to avoid premature cable wear. Up to 4 set screws will need to be loosened on the riser using a 1/8" Allen wrench to make an adjustment.

ATTENTION The use of the Micro-Tune should be done at the end of the timing procedure. We do not recommend using the Micro-Tune at either ends of its travel for best performance.



DUAL CAM TIMING

ATTENTION We do not recommend a draw board for this procedure. However one may be used to initially get the timing close, then the rest of your tuning process must be done by hand. You may also reduce bow weight if needed to the minimal allowable during this process. (see pg.8)

To get the best performance out of your cam system, it is important that the cams are timed properly. On a dual cam bow, both cams should rotate in sync. Note the location of the cable in relation to the cam timing marks (Fig.6). The cable should be centered between the marks for proper cam positioning and to get you close to proper cam timing.

CAUTION To properly adjust cam timing, The bow should be physically drawn back pointing in a safe direction at a target with an arrow and release aid or anti-fire safe draw.

Ensure your Micro-Tune is set in its neutral position before beginning timing procedure. (refer to Micro-Tune instructions). Fig.5

ATTENTION If your APA bow model has lettering present on the RDS, skip to the RDS instructions prior to the Dual Cam Timing. (Standard on 2024+ models)

Once at full draw, apply a little extra force to ensure sure both cams are fully rolled over and the cables are contacting the flat section of the module in let off position on both top and bottom cam. Slowly creep forward, at this point both cams should be firing at the same time. If one cam is faster than the other (One cam moves before the other), use the Cam Lock or a bow press to relax the tension just enough to enable you to remove the yoke from the axle yoke anchor on the slower cam. Add twist(s) in that yoke, not in the main cable. (If your bow is equipped with 1 piece cables, twists in the yolk section of the cable must be in the same direction as the main cable) This will in effect speed up the slower cam. Taking twists out of the yoke will do the opposite and slow down a faster cam. Then hook the yoke back on the yoke anchor and re-check the timing. This process may take several attempts to achieve the desired result. Once your cam timing is very close, you can now proceed to fine tune the timing using your micro-tune. (Refer to Micro-Tune instructions)

It is suggested that upon receipt of your APA Bow, you note the position of your cams in relation to the power cable with the timing markings (Fig.6). Then if any stretching of the string or cables ensues, you will be aware of the problem and can make the necessary adjustment. Twisting the appropriate yoke or adjusting the Micro-Tune will bring the cams back into the proper position.



ROTATING DRAW STOP (RDS)

APA's Rotating Draw Stop enables a rock-solid back wall at any draw length. Depending on the model of APA bow there are two ways to set your RDS.

METHOD 1 – If lettering on the RDS is present

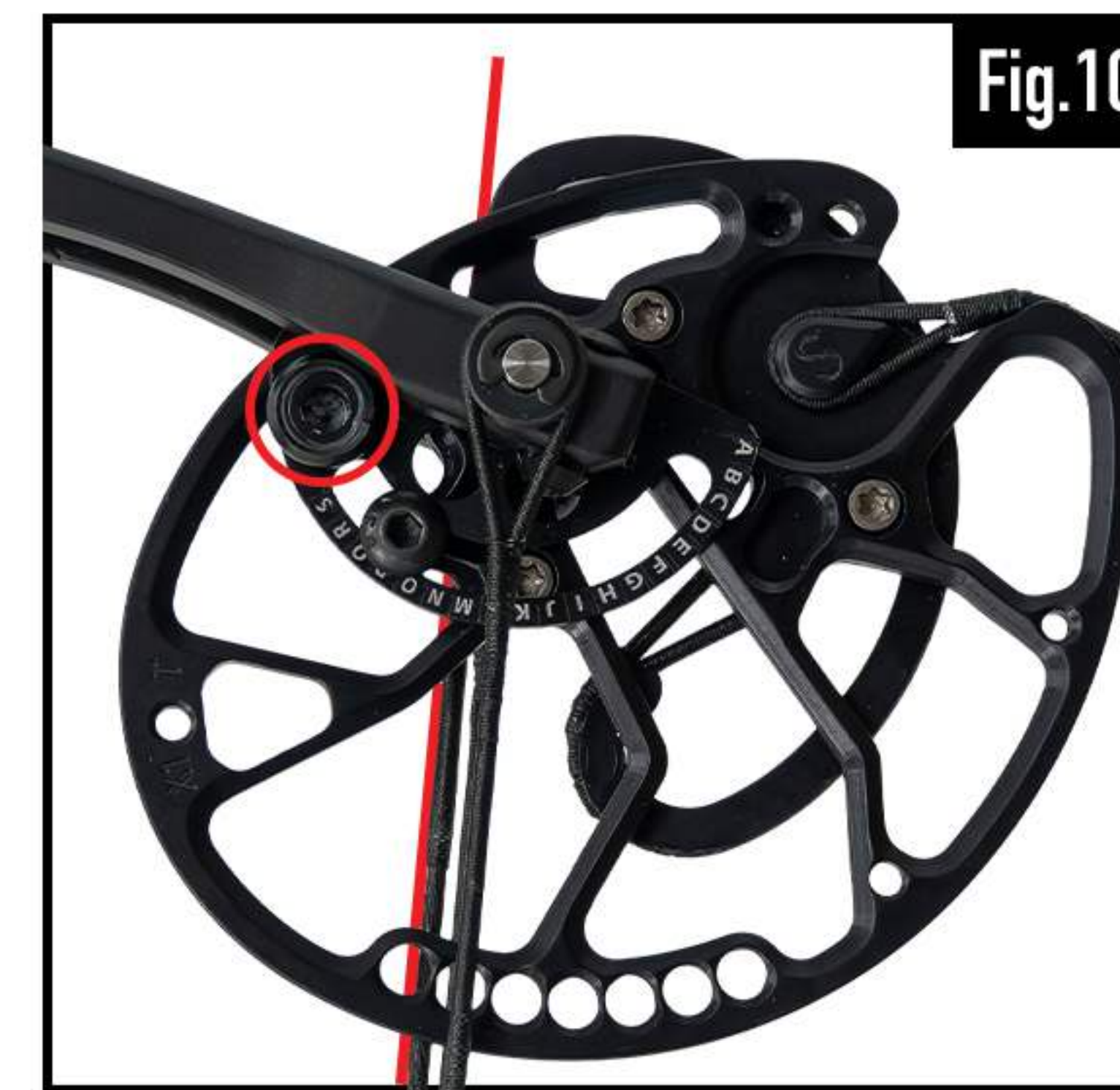
- 1 Identify on the bow identification sticker on the bottom limb which letter is required to be used based on your specific draw length.
- 2 Loosen the RDS Lock Screw.
- 3 Rotate the RDS until the letter is center on the RDS screw when aligned with the axle. Fig.9
- 4 Tighten the RDS lock screw
- 5 Follow the "Dual Cam Timing" procedure and confirm your dual cams are properly timed. (When bow is properly timed both top and bottom RDS will leave the limb in sync)
- 6 Further adjustments can be made to personalize the draw stop feel.

METHOD 2 – If no lettering on the RDS is present

- 1 Loosen the RDS Lock Screw.
- 2 Rotate the RDS module so that the draw stop post comes in contact with the lock screw (Fig 7). (If dual cam timing is correct skip to step 4)
- 3 Follow the "Dual Cam Timing" procedure and confirm your dual cams are properly timed using the cam modules.
- 4 Rotate the RDS module opposite direction to oppose Lock Screw (Fig 8).
- 5 Lightly tighten the RDS lock screw to still allow movement with light friction.
- 6 **CAUTION** At this point use an arrow, target, release, or anti-fire safe draw. Slowly draw the bow back to full draw. The RDS module will slide into position for that draw length.
- 7 Gently let down the bow and tighten the RDS lock screw. This would be a good starting point, but further adjustments can be made to personalize the draw stop feel.

To lengthen the valley you move both RDS's in small increments towards the engraved letter "L" / To shorten the valley move both RDS's towards the engraved letter "S"

Fig.10 Illustrates the cable fully seated into the mod at full draw with the limb stop contacting the limb.

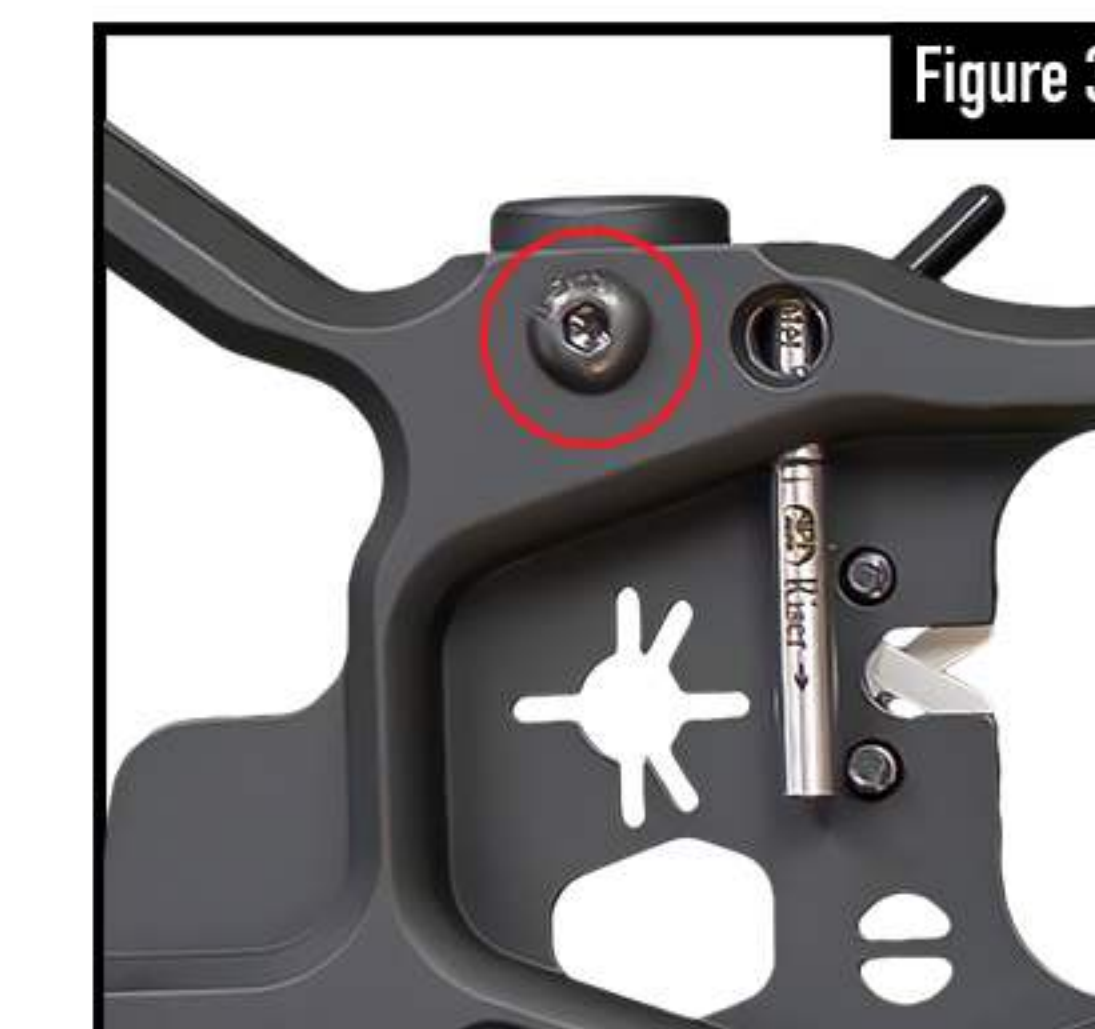


CENTER MICRO SHOT INDICATOR

APA's micro adjusting center shot indicator allows you to fine tune the location of your center shot for quick consistent referencing when tuning. Using a 3/32" Allen wrench adjust the set screw to align the laser engraved marking on your cam lock pin with your ideal center shot location for future referencing.

PRO CONNECT STABILIZER

The Pro Connect Stabilizer allows you to turn any stabilizer into a quick connect stabilizer while also giving you the option for a fixed stabilizer. Using a 1/8" Allen wrench you can remove the stabilizer locking screw (Fig 3.) for quick connect or leave it in for a fixed system. We recommend the use of a nylon washer in between the bow riser and stabilizer to minimize finish damage.



PEEP SIGHT

If your APA Bow came pre-installed with a peep sight, you will need to adjust the set height to your preferred location. Once you have your peep height set remove the temporary O-ring holding it in place and tie your peep in sufficiently.

WARNING Never shoot a bow without properly tying in the peep sight.

BOW WINCH

If your APA bow is equipped with the bow winch, you can easily hoist it up to your tree stand with the easy to use 24 feet of rope stored within the winch.

CAUTION Be careful not to allow the rope to slide within your grip to fast to avoid rope burn. The use of gloves are recommended.

- 1 Rotate the lock knob counter clockwise until it stops to release the winch lock. (Fig.11)
- 2 Loop the rope through the supplied metal guide at the top of bow (Fig.12). **ATTENTION** Not using the guide will cause the bow to be raised upside down, possibly allowing the arrows to snag. Not using the guide could also lead to finish rub wear.
- 3 Place the bow on the ground with the sight / quiver facing up
- 4 Tie the rope to yourself as you climb up the tree stand
- 5 Pull the bow up to yourself in the stand
- 6 Reel the rope back into the winch applying a small amount of tension to the rope to keep it neat and tight within the winch to prevent any rope tangles.
- 7 Rotate the lock knob clockwise to lock the winch in place. (Fig.11)



DRAW LENGTH ADJUSTMENT FOR DUAL CAM

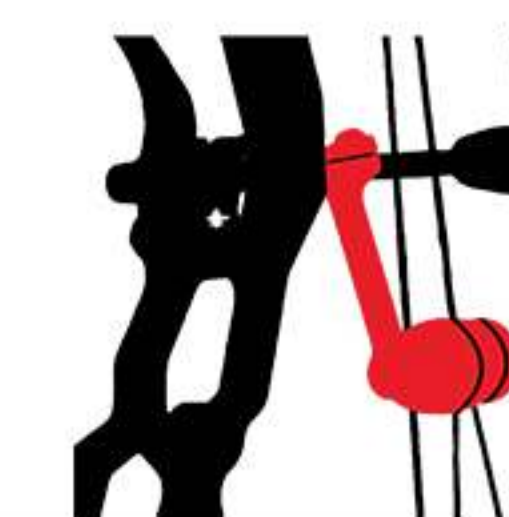
WARNING Do not draw back any bow when the draw module is removed or damage WILL occur.

The Dual Cam system is equipped with ez-tune draw length modules (found on the top and bottom cams). All modules are engineered to provide 1/2 inch increments of draw length adjustment from one size to the next. 1.0 being the shortest setting.

To change the draw length modules, you may need to use the Cam Lock System to gain access to all cam mod screws. Loosen the RDS screw to rotate it out of the way to access all screws. Remove the mounting screws from both the top and bottom cams and install the correct modules for your draw length. Then using **blue loctite**, tighten all the screws, being careful not to over tighten. **ATTENTION** This can cause them to strip. It is important that the same number module be installed on both the top and bottom cam. All module screws must be in place before the bow can be drawn. **WARNING** Some mods require 3 screws others require 2 screws. Insure all mod screws are reinstalled and properly tightened.

If equipped with rotatable mod, Refer to draw length chart for proper draw length position. Remove mod screws, rotate module to required position, reinstall screws using **blue loctite**. Reposition limb stop according to chart.

Once installed, re-check cam timing and reset RDS to new draw length position. pg.12



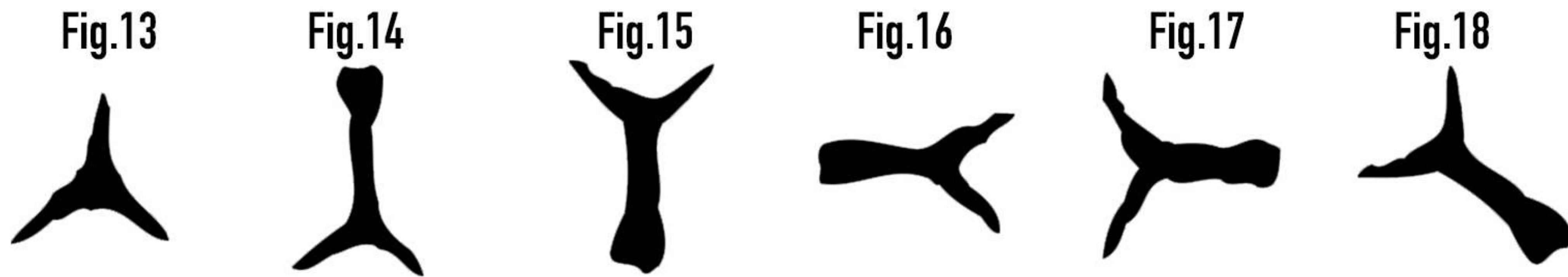
APA MULTI-POSITION BALANCER
[Optional]

APA's patented compact and innovative string stop mounted stabilizer / dampener is engineered to control the front to back, side to side balance of your bow, minimizing hand torque. It maintains a sleek profile for all scenarios. Quick easy one screw adjustment. Up to 4oz of weights can be installed.

CAUTION If your bow is equipped with an MPB ensure the MPB and the mounting Knob is positioned away from the cables to ensure proper cable clearance.

If have any further questions regarding this manual or APA product please refer to are website or contact us directly.

PAPER TUNING



ATTENTION Stand approximately 3 feet away from paper shooting with proper form
ATTENTION When paper tuning always fix vertical tear first, then fix the horizontal tear

APA Archery recommends a F.O.C of 10% - 15% for best performance

To achieve a perfect bullet hole, one or more of the following may be required:

- TAIL LOW - Fig.14
 - Raise the D-Loop
 - Lower the arrow rest
 - Decrease arrow tip weight
 - Arrow spine may be too weak. Spine up
 - Decrease draw weight
- TAIL HIGH - Fig.15
 - Lower the D-Loop
 - Raise the arrow rest
 - Increase arrow tip weight
 - Arrow spine may be too stiff. Spine down
 - Increase draw weight
- TAIL RIGHT - Fig.16
 - Looking at the bow from shooting position
 - Adjust arrow rest to the left
 - If bow is equipped with 1 piece yoke cable, shorten the right yoke, lengthen the left yoke (up to 0.030")
 - If bow is equipped with 2 piece floating yoke/cable move cam to the right on axle by shimming (up to 0.030")
- TAIL LEFT - Fig.17
 - Looking at the bow from shooting position
 - Adjust arrow rest to the right
 - If bow is equipped with 1 piece yoke cable, shorten the left yoke, lengthen the right yoke (up to 0.030")
 - If bow is equipped with 2 piece floating yoke/cable move cam to the left on axle by shimming (Up to 0.030")

MULTIPLE TEAR - Fig.18 Adjust the vertical tear first, then adjust horizontal tear

PERFECT BULLET HOLE - Fig.13 When the arrow is flying true out of the bow no tear is present



Notice
 Staple your sales receipt here.
 Proof of purchase date is needed should you ever require warranty work.

PLEASE RETURN WARRANTY CARD WITHIN 30 DAYS OF PURCHASE



APA Innovations Inc.
 704 Main Street
 P.O. Box 1420
 Biggar, SK S0K 0M0
 Canada

Place
 Postage
 Here

Warranty Card

Model: _____ Serial No. (on bow) _____

Date Purchased: _____

Owner's Name: _____

Address: _____

Province/State: _____ Postal/ZipCode: _____

Dealer Name/Company: _____

Address: _____

Province/State: _____ Postal/ZipCode: _____