

BOW MANUAL

*LIFETIME WARRANTY



Rytera
High Performance
Elite Series [USA]


MARTIN
ARCHERY

MARTIN



Total Vane Clearance

Provides Full Capture

2965 Martin Mantis Capture Rest

The new Mantis Capture Rest provides full capture and enclosure of the arrow, while providing complete vane clearance. Total vane clearance means no drag, no loss of speed and no vane wear. Soft overmolding makes this the quietest rest you'll ever shoot.



1230 Martin Hunting Armguard with Quick-Snap Fasteners

Innovative Quick-Snap Fasteners make installation, detaching, and adjustment easier than ever! Extra wide hunting style armguard features cowhide backing, 1" flexible reinforcement insert and durable facing.

3910N Martin Camo Fast 4 Quiver

The Fast 4 Quiver has two integrated VEMs to capture and annihilate game spooking vibrations and noise. Now with the Twist Lock Release System that is lighter, vibration and noise free, and is tighter locking. The rubber hood insert securely holds field points and broadheads by the tip, to ensure your broadheads stay razor sharp for that moment of truth. The dual arrow clips hold your arrows more secure than any other quiver in its class, yet allows for fast and effortless arrow removal. NEXT GI™ VISTA camo.

3911N Martin Camo 2x4 Quiver with Two-Piece Bracket



ACCESSORIES

R71 Tru-Fire Hurricane Extreme Release

If you're looking for the "state of the art" release this year, look no further. The jaws open when you depress the trigger and close when you let up on the trigger. The Hurricane utilizes a free-floating, self centering steel roller that does not slide over the jaws but rolls along the inside of the jaws. The Hurricane also has heat treated jaws and triggers that are Teflon coated for years of dependable use. All can be adjusted for trigger pressure. Fits both right and left hand.



1672 Martin Prowler Carbon Arrows

The 31" stock length is guaranteed to be within .003 in straightness over the entire length of the shaft. They are also weight matched to within +/- 2 grains throughout the entire dozen. One size fits all. Push in turnable nocks and inserts are included with each dozen. Available in sizes 300 at 9.9 grains per inch, 350 at 8.8 grains per inch, 400 at 8.1 grains per inch, and 500 at 7.2 grains per inch. Includes Bohning Double Lock nocks.



1672 Alien Carbon Fiber Stabilizer Rods

The new Alien Carbon Fiber Stabilizers are composed of carbon fiber that encloses dampening material while remaining ultra light weight in the extension of the stabilizer. This allows you to keep the weight where you want it with the included two 1 oz. adjustable weights. Rytera is known for engineering only the most high end and beautiful archery equipment. The Alien Carbon Fiber stabilizer is an elegant addition to this lineup. Available in 4", 6", 12", 18", 24" and 32" lengths.



Each stabilizer rod includes two weights.

Game Targets

Large full color poster-type animal targets.



- Worlds finest Bowstring
- 20 times stronger than Steel
- 100% BCY highest grade material
- Fully Pre-stretched - No Peep Rotation
- Manufacturing quality bowstrings since 1948



OWNER'S RECORD - CRITICAL INFORMATION

Bow Model: _____

Date Purchased: _____

Cam Style: _____

Draw Weight: _____

Draw Length: _____

String Length: _____

Cable Length: _____

Purchased From: _____

NOTICE:

Warranty VOID without proof of purchase.

Attach your sales receipt here.

Proof of purchase date is **REQUIRED**
should you ever require warranty work.

Welcome to the Martin Archery Family. We are confident that you will experience many years of enjoyment from your new Martin bow. Each bow that leaves our door is handmade one at a time as they have been for over 60 years. Martin Archery remains a family owned and operated business. We take great pride in every product we produce and we strive to offer you the most complete line of professional accessories available.

We welcome any comments you may have about our products. We also like to hear stories of your successes while using our products. If you have any comments, photos, or information you would like to share with us, please call or write. We will do our best to answer any questions you may have.

To better serve you, we have the most complete archery manufacturer's website on the internet at www.martinarchery.com.

Thank You,



Gail Martin

Founder and President

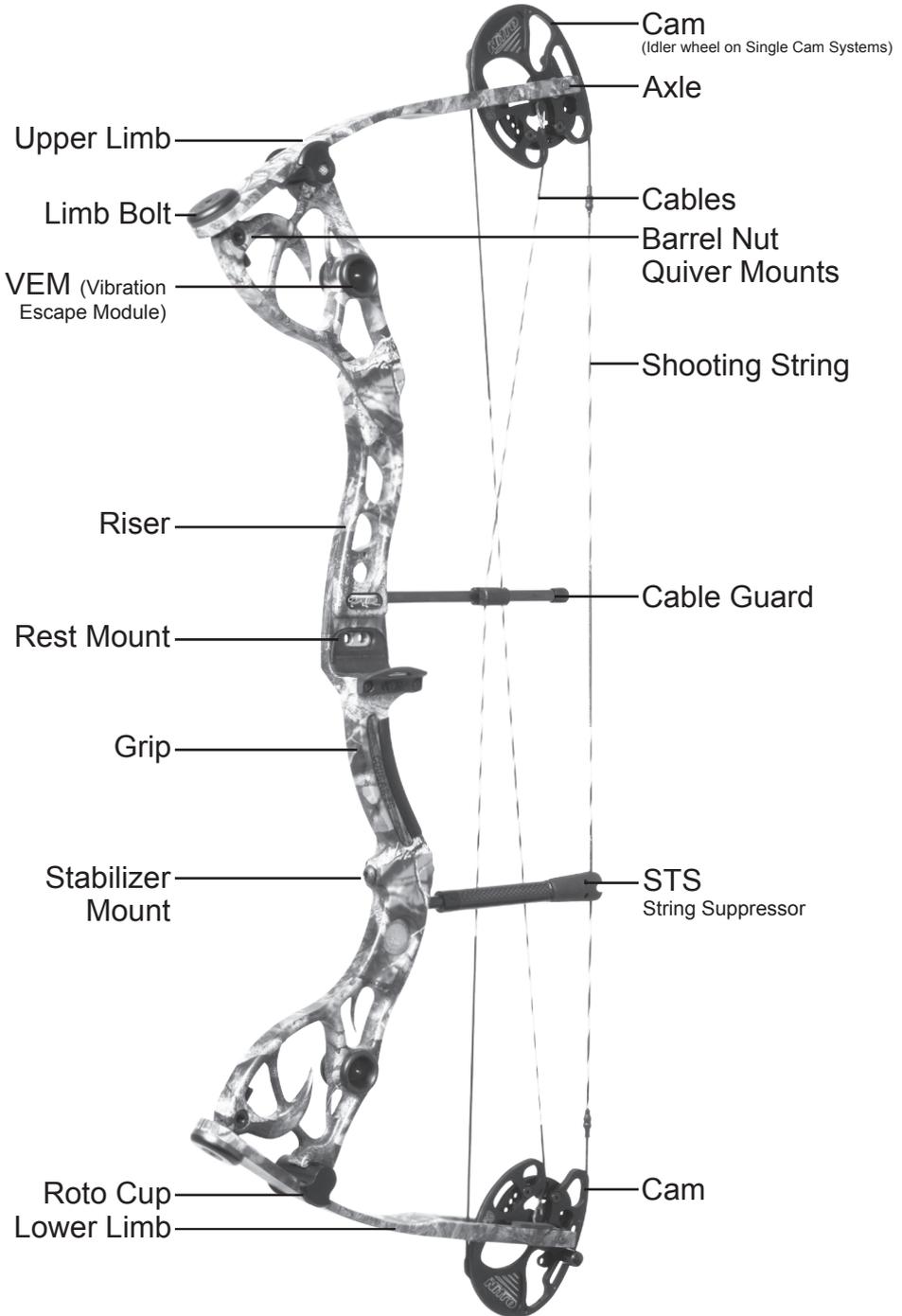


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PARTS OF THE BOW



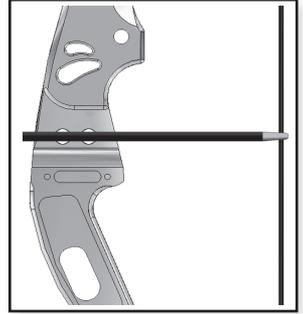
Model Shown: Cougar FC with Nitro Cams
Information in this manual pertains to all Martin Bow Models.

BASIC SETUP

Your new Martin bow takes little setup to get started shooting. Please read and familiarize yourself with these starting procedures before shooting. Many of these procedures may have been completed by your authorized Martin dealer. After completing these simple steps, you will be more accurate and will have greater success from the start. A careful and thorough initial setup will make the tuning process much easier.

Quick Arrow Rest and Nock Placement

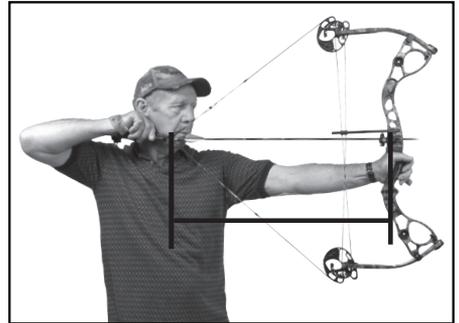
You can quickly and easily set the position of your rest and nock point using the rest mount holes in your bow. Your rest should sit level with the two rest mount holes, or lock mount of your bow. (See graphic) When the rest placement is correct, you can begin placing the nock set. Place a nock loosely on the string and nock an arrow. Visually align the arrow level with or slightly tail high of the rest mount holes. When the correct height is set, crimp the nock set into place. This will give you a good starting point to begin tuning your bow.



Measuring Draw Length

When your bow is at full draw, the apex of the string should be near the corner of your mouth.

Draw length can easily be measured from the apex of the string at full draw to the pivot point of the grip. **From that measurement add 1 3/4" and you will have the A.M.O. standard draw length.** All Martin Bows are adjustable with the use of modules. Refer to the section that covers your specific cam style for instructions on adjusting draw length.



Arrow Speed and String Accessories

Certain bowstring accessories including D-loops, string silencers, and peep sights, can reduce arrow speed by as much 10-15 fps.

Changing Draw Weight

Martin bows have a fifteen pound draw weight range. Using a 3/16" allen wrench ; you will turn the limb bolts clockwise to add weight and turn counter clockwise to reduce weight. One complete turn on each limb bolt provides about 3 pounds of adjustment.

TIP: Mark a line on each limb bolt in white-out or white paint marker to make it easier to keep track of how far you are turning each bolt.

Note: Do not shoot your bow with the limb bolts more than 5 turns out from the riser.

Replacing The Strings

Should your string need replacing, it is best to go to your Martin dealer and have it done by experts. Always be sure that the string you replace it with is of the correct length and material for your bow. We recommend using Martin Hammerhead bow strings. String wear is not covered by warranty.

BASIC SETUP

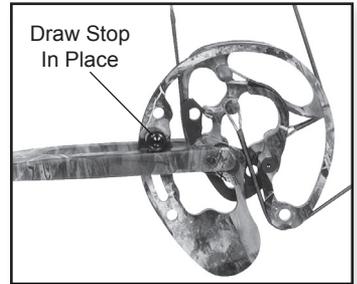
Care And Storage

When properly cared for, your new Martin bow will give you years of trouble-free service. When your bow is new it will require no lubrication. Over time you may need to lubricate your cams to guard against friction and noise. Use a dry lubrication such as Teflon spray powder or graphite powder. You can also use wet lube such as Moly Lube or Tri-Flow. Do not use WD-40 lubrication.

A good rule of thumb when caring for your bow is to keep it as comfortable as you are. If it is too hot for you, it is too hot for your bow. If it gets wet, dry it off completely. Periodically clean your bow with a wet rag and mild soap to remove mud or dust (caution: do not store until completely dry). Prolonged exposure to extreme heat may cause failure in your bow limbs and excessive stretch in your string system. It will not hurt your bow if it is rained on while shooting, but make sure it is completely dry before storing it in a bow case to guard against rust or corrosion.

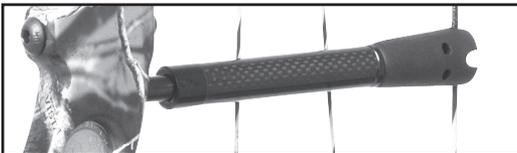
Installing and Adjusting the Draw Stop.

There are a total of four parts to the Draw Stop assembly. A rubber cap, the aluminum body of the Draw Stop, an 8/32 screw and an 8/32 hex nut. To install the stop, place the hex nut in the track on the back side of the cam. To adjust the stop, draw the bow back either by hand or in a scale/shooting machine. At full draw, slide the stop until it contacts the under side of the limb. Back the stop off of the limb 1/32" (approx.) to allow for the rubber cap to be installed. Snug down the Draw Stop with the appropriate Hex head wrench, and install the rubber cap over the Draw Stop.



Installing and Adjusting the STS

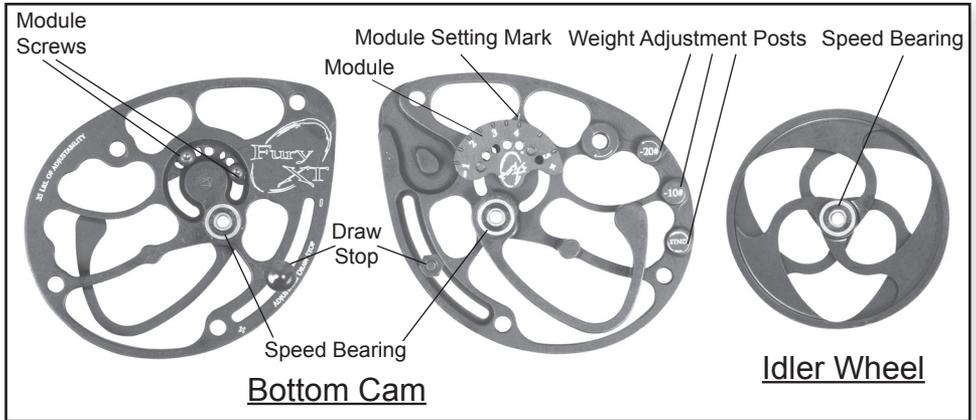
Most Martin bows are outfitted with an STS String Dampening unit, or are equipped to accept one. This unit is installed in the 3/8" diameter hole located just below the grip and is secured in place with the set screw intersecting this hole from the side of the riser. The STS rod should be positioned so that the STS Bumper is nearly against the bowstring when the bow is at rest. Excessive contact with the bowstring will prevent the STS Bumper from performing effectively as a dampener, and may cause the Bumper to be pulled off by the bowstring during the shot. A small gap (approximately 1/16") should be allowed between the bowstring and Bumper when the bow is at rest.



FURY XT SINGLE CAM

The Martin Fury XT Single Cam features a rotating module for draw length adjustments in half-inch increments. The cam also allows the draw weight to be lowered up to #20 pounds by moving the split cable to various weight adjustment posts.

Parts Of The Martin Fury XT Single Cam



Adjusting The Fury XT Single Cam Draw Length

Make a note of the number on the Module by the setting mark. To rotate the draw length module, you will first need to remove the two (2) allen head module screws. Lift and rotate the module to the desired position and replace and tighten the screws in the appropriate positions. Larger numbers on the Module will increase draw length and smaller numbers will decrease your draw length. Check online at martinarchery.com for your bow's specs.

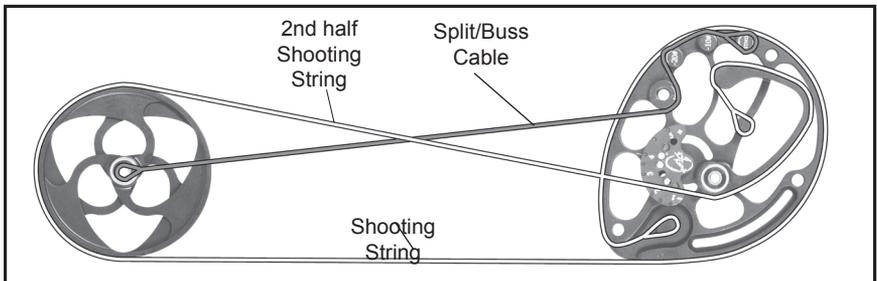
DO NOT draw the bow without the draw length module in place and secured.

Adjusting The Fury XT Single Cam Draw Weight

The Fury XT Single Cam has two additional weight adjustment posts besides the standard setting post. Moving the split cable to the -10# post reduces your bow's draw weight by 10 pounds and the draw length by 1 inch. The -20# post lowers your draw weight by 20 pounds and draw length by 2". This process requires a bow press so visit your qualified Martin dealer.

Fury XT Single Cam String Diagram

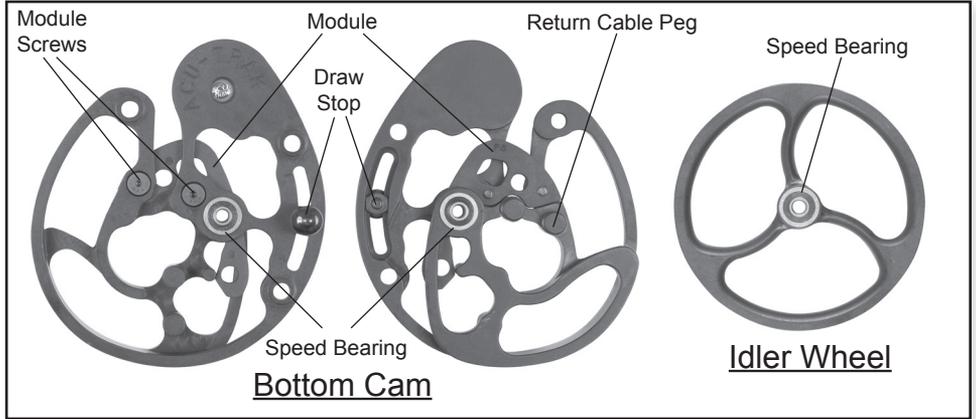
The string harness on your Fury Cam is installed according to the diagram below. Your string harness should be installed by your qualified Martin dealer.



SINGLE CAMS THAT USE F MODULES

Martin Single Cam systems feature a modular draw length adjustment. A series of draw length modules are used to adjust draw length in one-inch increments (see below). Draw lengths can also be adjusted in half-inch increments within each size module.

Parts Of The Single Cam Systems



Adjusting The Single Cam Draw Length

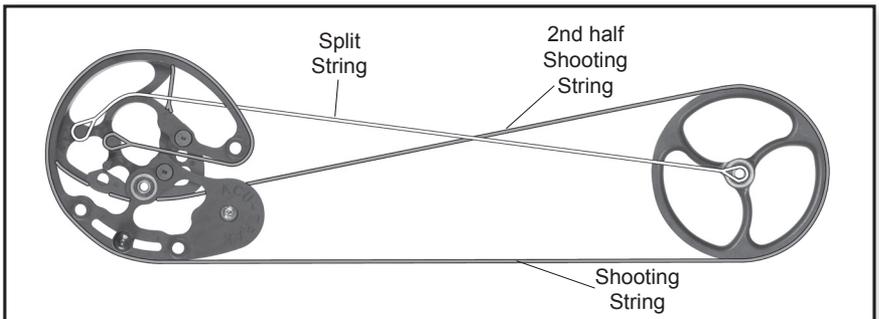
Using draw length modules, the draw length can be adjusted in 1" increments. To change the draw length, replace the module on the cam by removing the screws that hold it to the cam. **NOTE: do not draw your bow without the module installed. It will damage your harness.**

The module sizes range from F-1 to F-7. As the module numbers get higher, the draw gets longer. The draw length can also be adjusted in 1/2" increments using the pegs on the back of the cam.

This method of draw adjustment applies to the Martin Acu-Trak, Fuzion, Dyna, M-Pro, and M2 Single Cam System.

Single Cam String Diagram

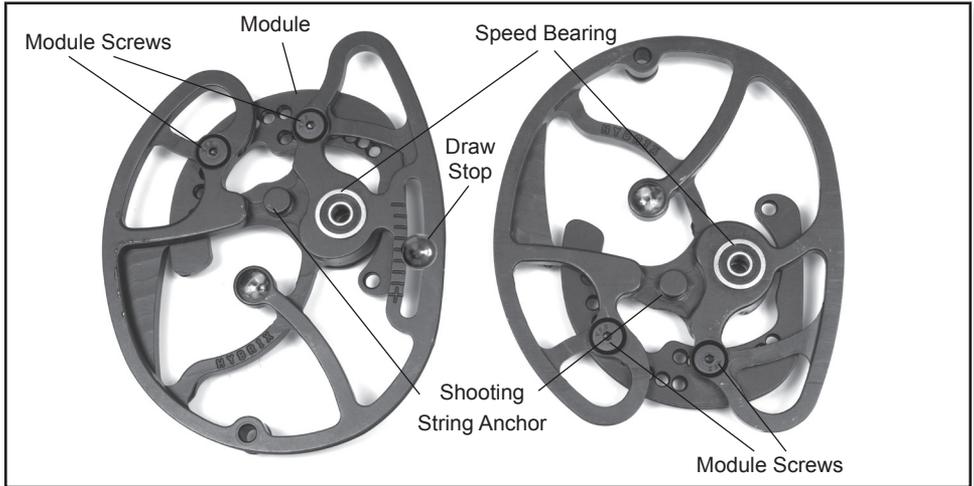
The string harness on your Single Cam is installed according to the diagram below. Your string harness should be installed by your qualified Martin dealer.



HYBRID DUO CAMS SYSTEMS

Your Hybrid Duo Cams (Nitro, Hybrix, C.A.T, etc.) are each equipped with a rotating draw length module. Each draw length module has numbers that indicate draw length settings. The Standard Module has positions that number #1 through #7, with each number providing $\frac{1}{2}$ " additional draw length. The Long Module has positions #8 and #9. The higher the # position, the longer the draw length.

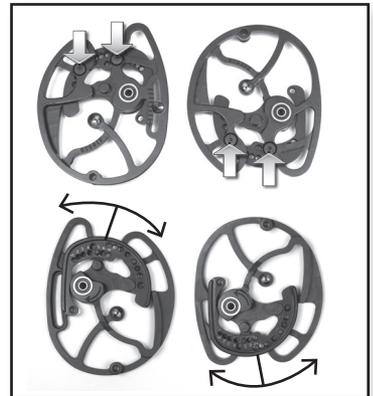
Parts of Hybrid Duo Cams



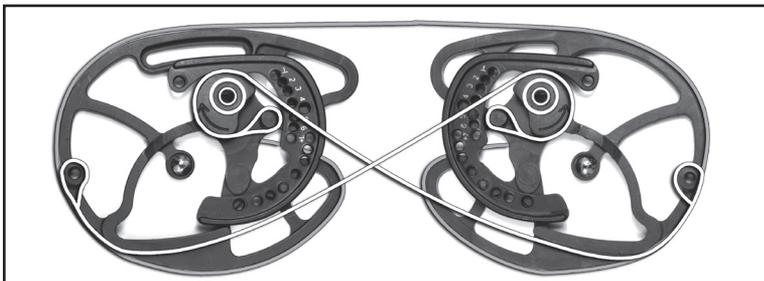
Changing the Hybrid Cams Draw Length

When you are adjusting the draw length, make sure that both the upper and lower modules are in the same setting. To rotate the modules, you will first need to remove the two (2) allen head module screws. Rotate the module to the desired position and replace and tighten the screws in the appropriate positions.

DO NOT attempt to draw the bow without the draw length modules in place and secured.



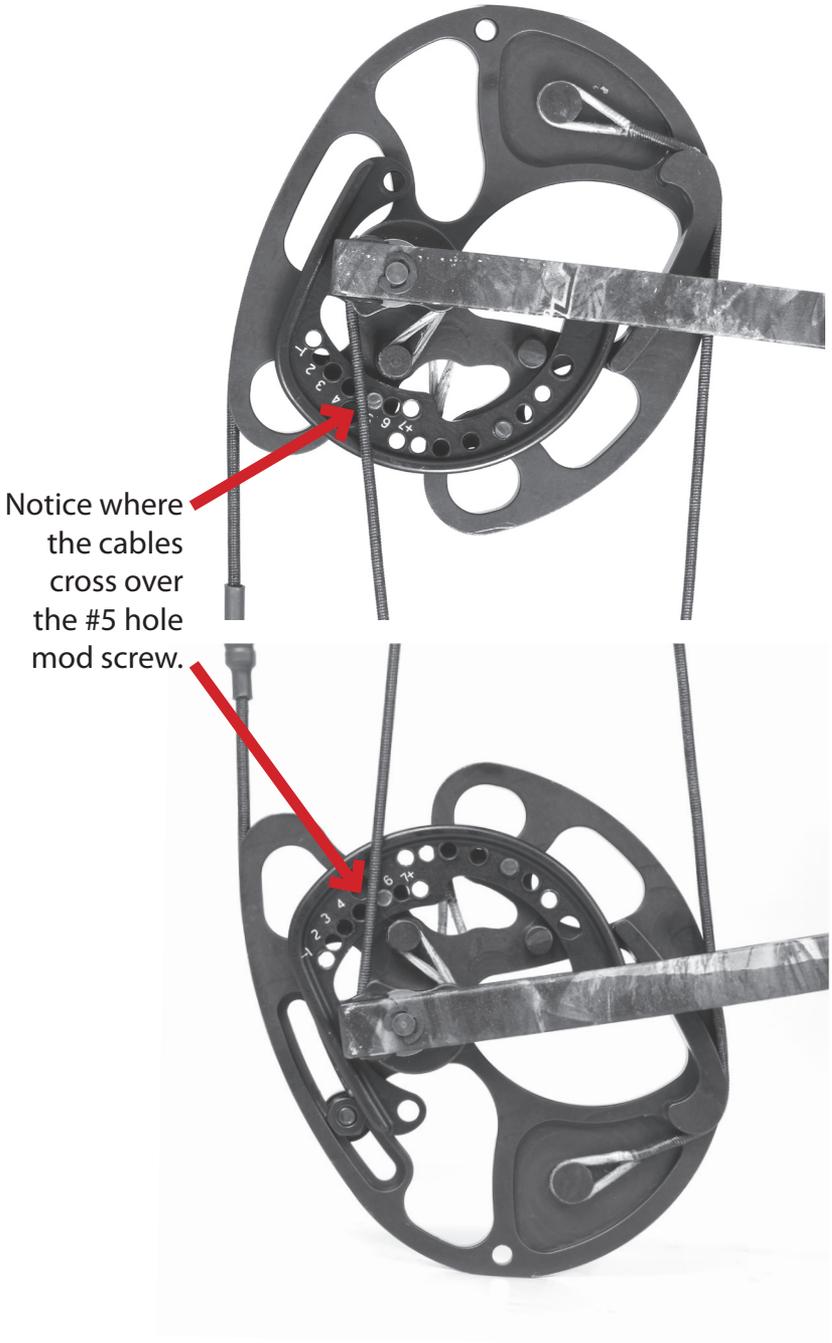
Hybrid Duo Cams String Diagram



MARTIN

HYBRID DUO CAMS SYSTEMS

Hybrid Duo Cams Rotation

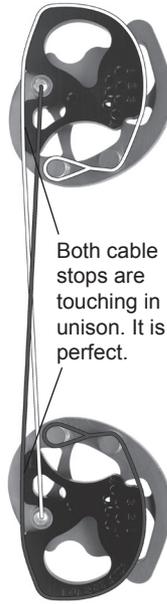


TUNING DUEL CAMS

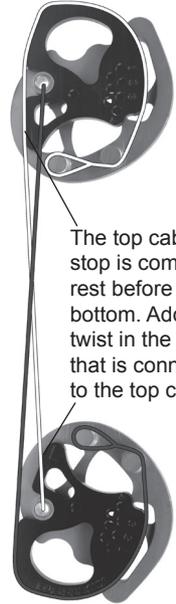
Cam tuning assures straight and level travel of the arrow (nock travel) as it travels thru and from the bow. Tuned Cams will benefit accuracy and keep noise and vibration to a minimum. To determine if any tuning is necessary, first draw your bow using your release aid (if you use one when shooting), and an arrow to prevent dry fire. As you approach full draw, slow down and watch as the cable stops (the ends of each draw length module) move toward each cable, as shown in the diagram. It is helpful to ask a friend to examine this for you while you draw the bow. Each cable should contact the end of each cam's draw length module at the same time. If your cams look like those on the left side of the diagram, they are properly tuned. If one cable touches before the other, as seen on the right side of the diagram, some tuning is required.

First, relax the bow properly in a bowpress before attempting to make any adjustments.

Furious



Both cable stops are touching in unison. It is perfect.

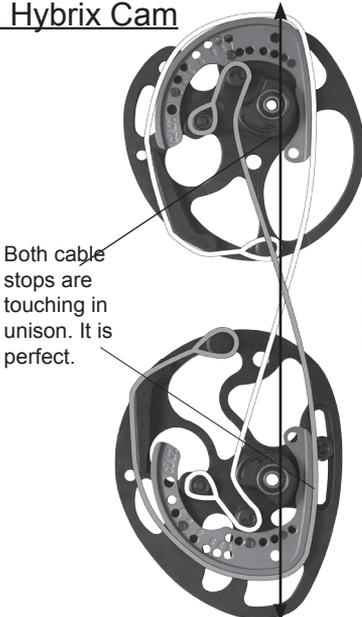


The top cable stop is coming to rest before the bottom. Add a twist in the cable that is connected to the top cam.

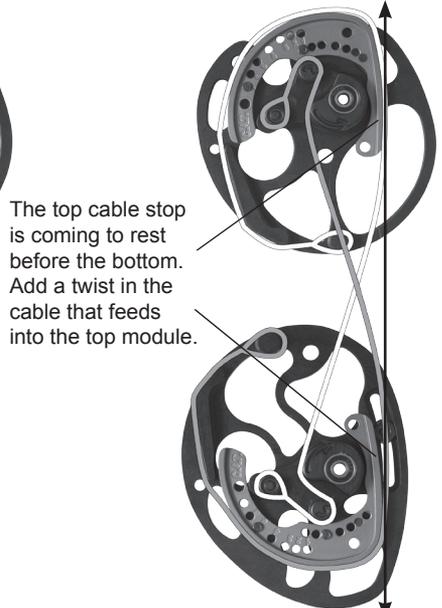
Correct Tuning

Needs Adjusted

Nitro & Hybrix Cam



Both cable stops are touching in unison. It is perfect.



The top cable stop is coming to rest before the bottom. Add a twist in the cable that feeds into the top module.

Correct Tuning

Needs Adjusted

SEEKER 365'S GRIP ADJUSTMENT

Adjusting Seeker Grip

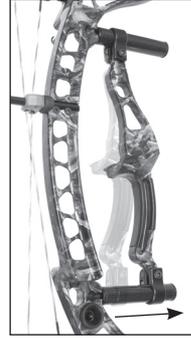
- 1) Loosen both grip clamps to adjust brace height.



2)



Slide grip forward to desired position.



The upper and lower clamp can be adjusted separately to achieve desired grip angle.

3)



Re-tighten grip clamps so they are snug to eliminate unwanted movement.

Brace Height Adjustment Specifications:

5.75" brace height - Draw Length from 27" to 30"

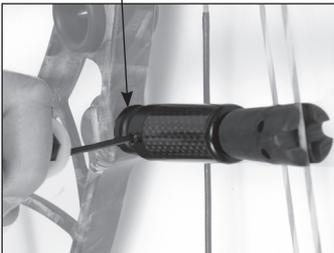
6.75" brace height - Draw Length from 28" to 31"

7.75" brace height - Draw Length from 29" to 32"

- To measure brace height, measure from the back of the grip to the shooting string.
- To square grip, measure from the back of the upper and lower grip clamps to the shooting string.

Adjusting the Seeker STS

- 1) To Adjust the Seeker STS, loosen both set screws.



- 2) You can now rotate the STS to adjust offset, and move it in and out to the desired position.

Once the desired position is found, re-tighten both set screws so that they are snug.



TEN COMMANDMENTS OF ARCHERY SAFETY

- Never** - "Dry fire" your bow (shoot it without an arrow.) This will result in damage to your bow and/or possible injury.
- Never** - Let anyone draw or shoot your bow if their draw length is longer than yours. Over drawing of the bow can cause cable damage.
- Never** - Draw, aim, or shoot your bow unless you are sure that the line of fire is clear. Remember, once an arrow is fired it cannot be recalled.
- Never** - Shoot an arrow that is less than five grains per pound. For example, an 80# bow requires a minimum of 400 grains of arrow weight. Less than five grains per pound of arrow weight simulates a dry fire effect and may damage your bow.
- Never** - Expose your bow to extreme heat. Excessive heat, such as your car on a hot day, could lead to limb failure and premature wearing of the string harness.
- Always** - Check all of your arrow shafts and nocks upon removal from the target. If the arrows show defects or broken nocks, do not shoot them.
- Always** - Carefully inspect your bow after each use. Be sure all screws are snug and accessories are tight. Inspect your string and cables for wear or damage.
- Always** - Draw your bow while pointing it at the target. A premature release of the arrow can be very dangerous. If you cannot draw your bow while pointing it at the target without excessive movement, lower the peak weight of your bow until you can draw smoothly and correctly. Over time you will build up strength, and will be able to return to the higher weight.
- Always** - Draw your bow with an arrow on the string while keeping it pointed in a safe direction. Never draw your bow with a release aid without an arrow. A release aid failure could result in the dry fire of your bow.
- Always** - Back your limb bolts off five full turns from the riser before putting it in a bow press. Only let a qualified professional or a Martin authorized dealer put your bow in a bow press.
Inexperienced use of a bow press or a T-stringer can result in damage to your bow. The type of damage caused by a press is not covered under the Martin Archery bow warranty.

WARRANTY

Martin Compound Bow Warranty

LIMITED LIFETIME WARRANTY

All Martin Compound Bows are warranted against defects in materials or workmanship **TO THE ORIGINAL OWNER**, on all risers, limbs, limb pockets, axles, bearings, and cams (everything except the string, cables and finish) for the life of the product*. (**Strings and cables are not include and should be changed either every season, or anytime they show wear, whichever comes first.**) **Does not apply to the Adventure Series which have a 1 year warranty.**

(*The life of a bow is determined according to the production cycle of the model and on-hand supply of replacement components. Should a bow no longer be in production and supply of components be exhausted, **an upgrade fee may be charged in order to supply the customer with a newer, updated model.** Cosmetic finishes or camouflage patterns on replacement parts, warranty or otherwise, are limited to availability.)

The warranty is conditioned upon proof of purchase and other requirements listed below. **IT IS IMPORTANT THAT YOUR SALES RECEIPT BE FILED IN A SAFE PLACE FOR FUTURE REFERENCE. AS REPAIRS WILL NOT BE PERFORMED UNDER WARRANTY WITHOUT A COPY OF THE DATED SALES RECEIPT.** Martin Archery, Inc. warrants that your Martin compound bow will perform its intended function if used in accordance with the instructions provided. This Lifetime Warranty covers only the replacement parts, labor, and return ground transportation costs performed by Martin Archery Inc. to the customer. **Transportation for the return of the bow to Martin Archery, Inc. is not covered. No C.O.D. shipments will be accepted by Martin Archery, Inc.** Warranty repairs can be performed by an Authorized Martin Dealer, for which Martin Archery, Inc. will cover replacement parts and ground transportation costs to the Authorized Dealer. Labor costs for warranty repairs performed by Authorized Dealers are not covered by Martin Archery, Inc. Martin Archery makes no other warranty either expressed or implied, whether of fitness or of marketability, except as stated above. Any such additional warranty is expressly disclaimed. No agent, employee, or representative of Martin Archery or its dealers has the authority to bind Martin Archery to any agreement not herein stated. Buyer agrees that the sole and exclusive remedies for breach on any warranty concerning Martin Archery Bows shall be repair or replacement of defective parts. Martin Archery shall not be liable for injury or property other than the bow itself. Martin Archery reserves the right to replace defective parts according to availability with compatible replacement parts.

Warranty limitations are as follows:

1. If bow shows signs of misuse, alteration, or mishandling this warranty will be void. **Use of arrows weighing less than five (5) grains per pound of draw weight is considered misuse and will void this warranty.**
2. Warranty applies to original components only and does not extend to cover aftermarket strings, cables or accessories.
3. The use of any aftermarket products / accessories that alter the manufacturers specs or design will void the warranty.
4. Claimant must be the original purchaser. **This warranty is not transferable.**
5. This Warranty pertains only to Martin-made products and does not extend to cover non-Martin accessory items that may be purchased with the bow. Warranty requests for non-Martin items will need to be made to the proper manufacturer.
6. All returns to Martin Archery Inc. must be pre authorized. Owner must contact Martin Archery, Inc. at (509) 529-2554 prior to shipping in order to obtain a Return Authorization number.
7. All accessory items must be removed from the bow prior to shipping. **Martin Archery, Inc. will not be responsible for damage or loss of any accessory item left on the bow.**
8. **Warranty is not effective unless a copy of the dated sales receipt accompanies the bow.**
9. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

* This policy is subject to change and/or cancellation at the discretion of Martin Archery, Inc.

* **After acquiring a Return Authorization number, send bow to:**

Martin Archery, Inc.
3134 Heritage Rd.
Walla Walla, WA 99362