

Genesis Technology™
Everyone can shoot the same bow

Thanks to Genesis Technology,™ which effectively eliminates unnecessary let-off on light draw weight bows (thereby eliminating specific draw length), virtually anyone can shoot the same bow.



How to re-string & re-cable the Genesis Compound bow.

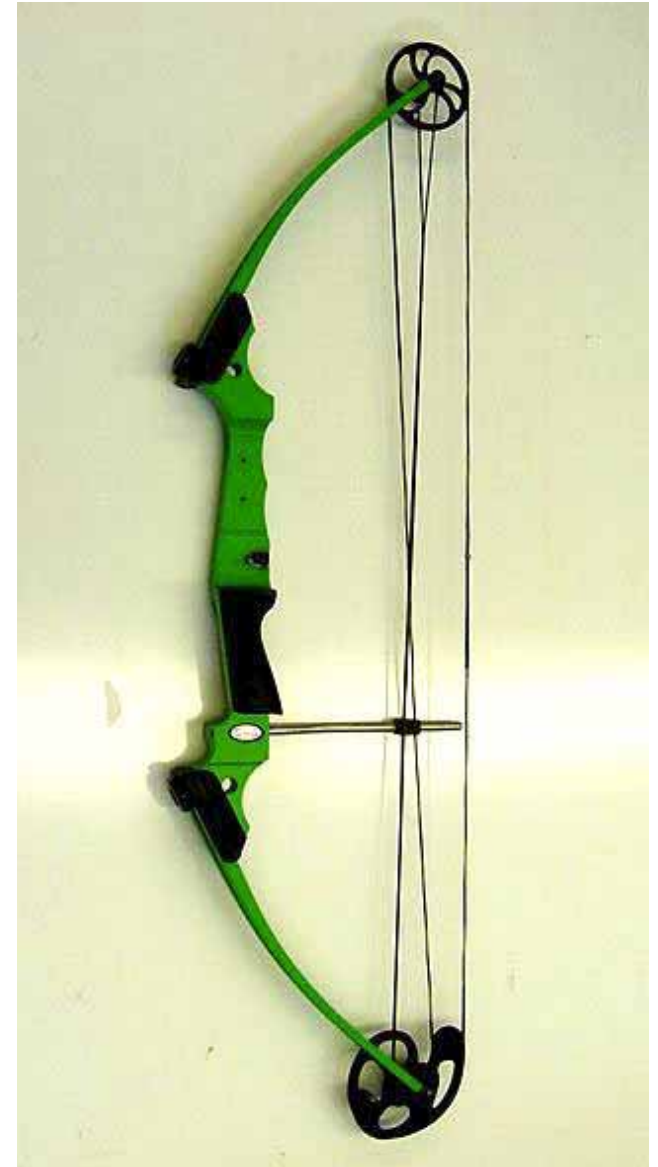
Step by step, picture by picture
Right hand models ONLY



Introduction and Terminology

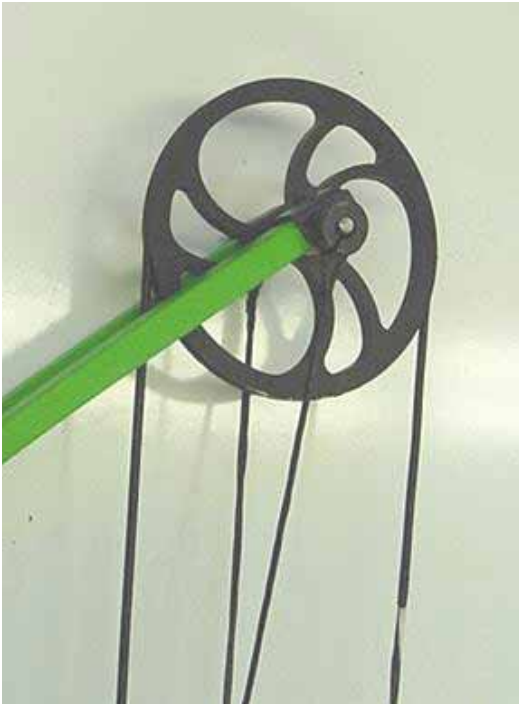
Inspect all bows prior to use. Once a string or cable has become worn, it is very important that it be replaced prior to using the bow anymore. Using any bow with a damaged string or cable can result in damage to the bow, the user or bystanders. Use these detailed simple steps to replace the string and cable on your Genesis Compound bow.

The bow pictured to the **right** would be considered and referred to as “sight window out”.



Introduction and Terminology

The bow pictured to the **right** would be considered and referred to as “sight window down”.

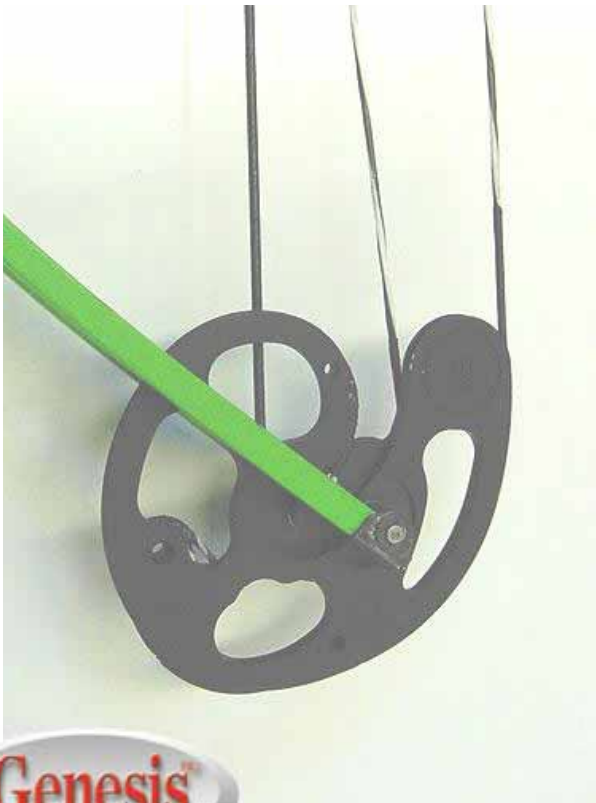


Pictured **left** is the Idler wheel. (top of the bow, when holding it in shooting position)



Introduction and Terminology

Pictured **below** is the Genesis Cam. (bottom of the bow, when holding it in shooting position)



Pictured **above** is the sight window portion of the bow riser. (mid section of the bow, when holding it in shooting position)

Tools Required

- 3/16 Allen wrench
- Flat table, clean working surface
- Scissors
- Lighter
- Bow square

All instructions in the following slides are for “RIGHT HANDED” bows ONLY. Left hand bows will be covered in a separate “How to”.



Materials Required

- New String
- New Cable
- Fast flight material (for tying new nock point in place)

**hint, cut a strand from the old bowstring to save money.



Getting Started

- Locate the weight adjustment bolts on either end of the limb cups. If the limb bolts are not tightened down (peak weight) do so at this time.



Weight adjustment bolt

- Pictured right is an example to a weight adjustment bolt that is not in the peak weight position. If the limb bolts are as pictured, insert the 3/16 Allen wrench as pictured.



Weight adjustment bolt

- After the 3/16 Allen wrench has been inserted into the limb bolt, turn the wrench clockwise to increase the weight to the maximum setting on both weight adjustment bolts.



Weight adjustment bolt

- After both weight adjustment bolts are in the maximum weight settings (as shown)



Weight adjustment bolt

- Using a marker of some sort, mark the limb bolts with a line so that you can easily count the rotations



Weight adjustment bolt

- Install 3/16 wrench in head of bolt and turn counter clockwise as follows. One turn out on top one turn out at the bottom. Until you have backed limbs out approximately 10 turns each.



Top bolt (below)



Bottom bolt (below)



Warning

Back weight adjustment bolts out as follows.

-1 turn top, 1 turn bottom

-1 turn top, 1 turn bottom

-1 turn top, 1 turn bottom

-1 turn top, 1 turn bottom

-1 turn top, 1 turn bottom

So on and so forth until you completed 10 rotations on both top and bottom.



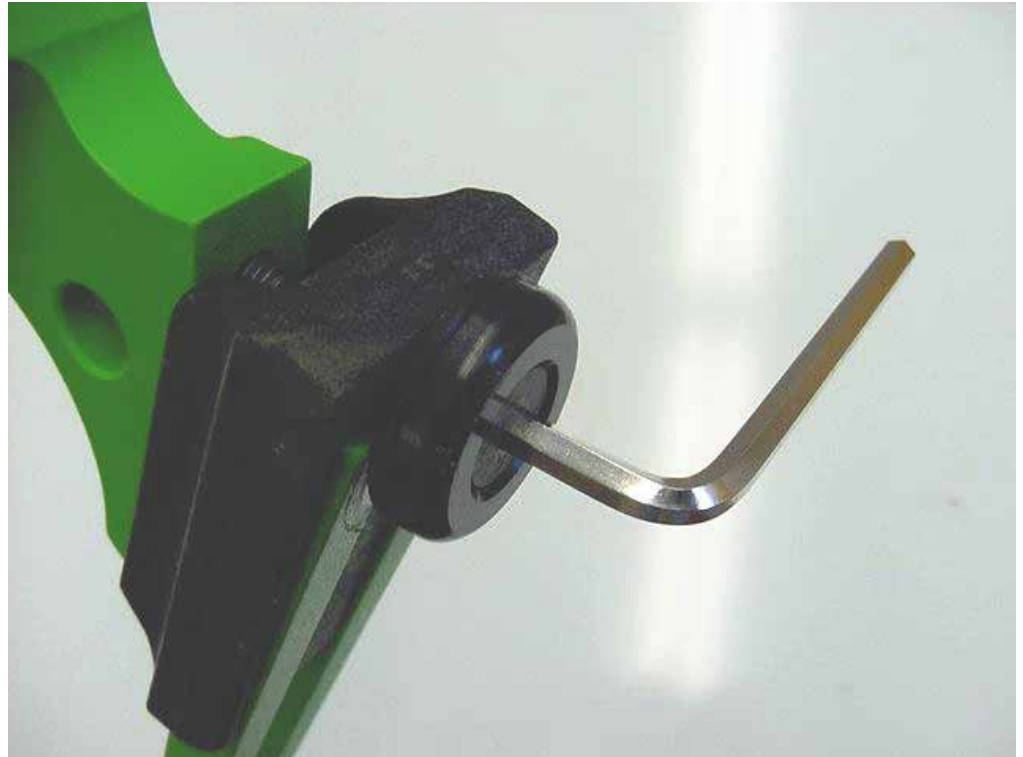
Warning

Under no circumstances are you to ever back 10 turns off the top and than follow with 10 turns off the bottom. If you loose count on the side you start with, the bow can be damaged and or injury may result to you or persons that are close by.



Weight adjustment bolt

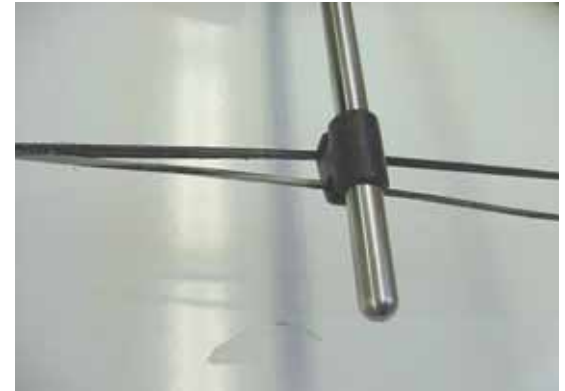
- ALWAYS back out one rotation at a time and go back and forth from top to bottom.



Bow in the relaxed position

- Once the limbs have been backed off 10 turns on both sides, **carefully remove the cable slide as shown. Set aside in a safe place for re-installation.** If you lose the cable slide, the bow will not function properly without it. Do not attempt to shoot the bow with out a cable slide as arrow will not stay on the arrow rest and may result in damage to the bow and or iniury.

BEFORE



AFTER



Lay bow on flat surface

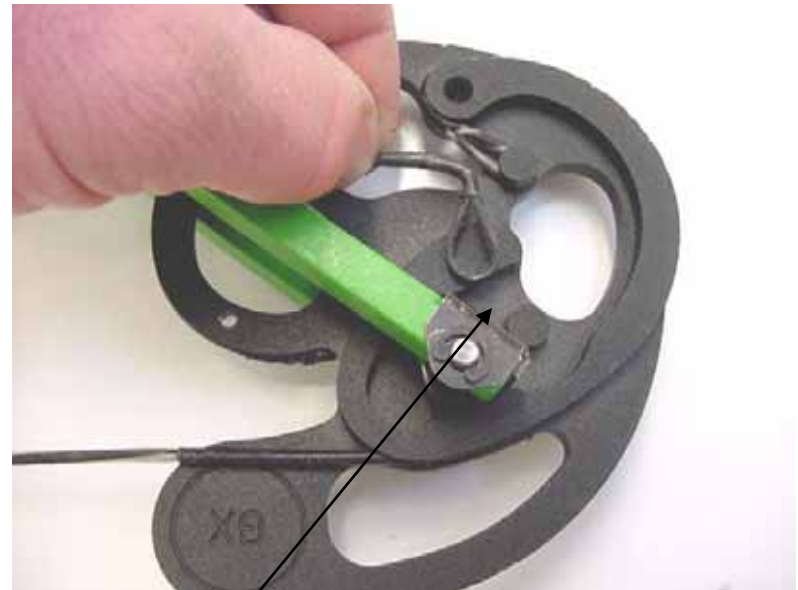


- Start with the bow **sight window down** (as shown)

Old string & cable removal

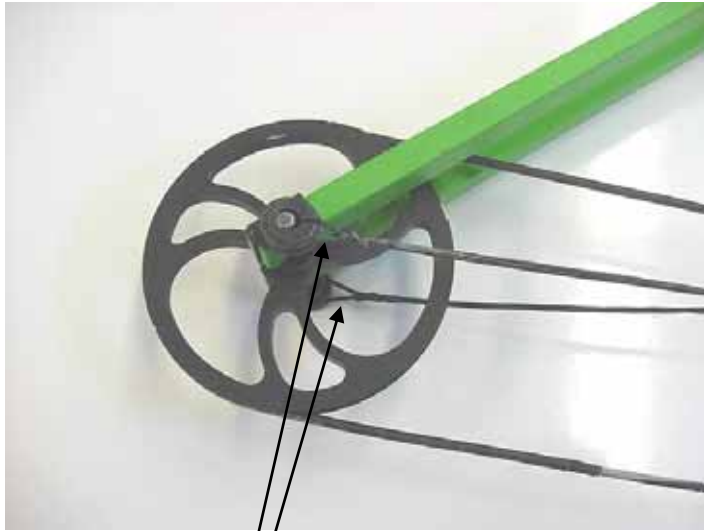


Locate cable

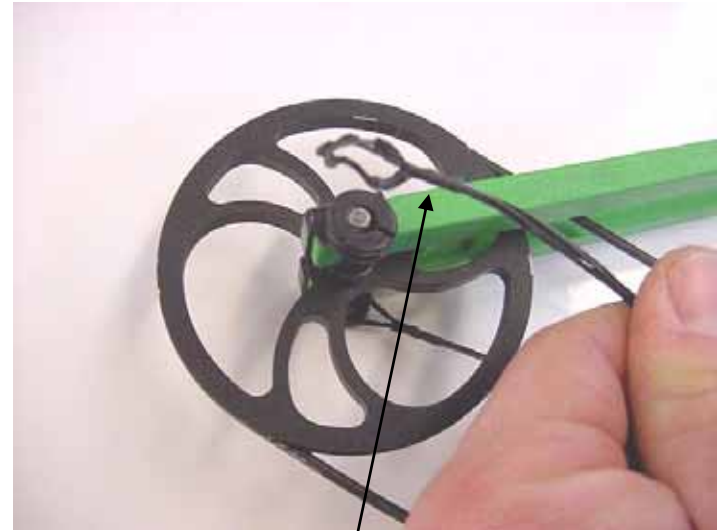


Remove cable from
cable post

Old string & cable removal

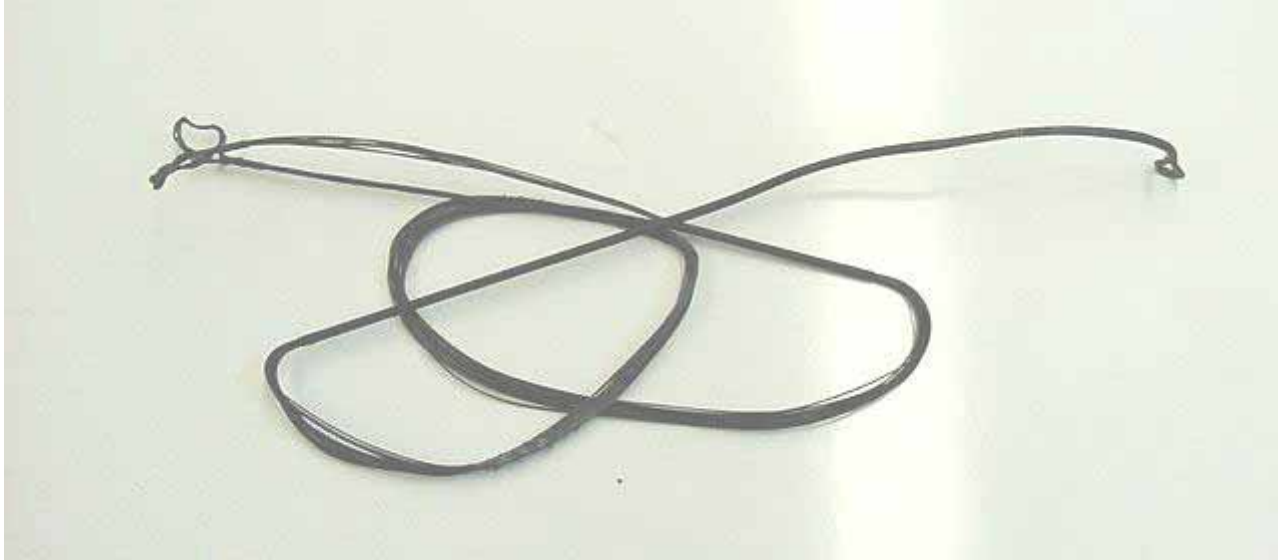


Locate idler wheel cable connections



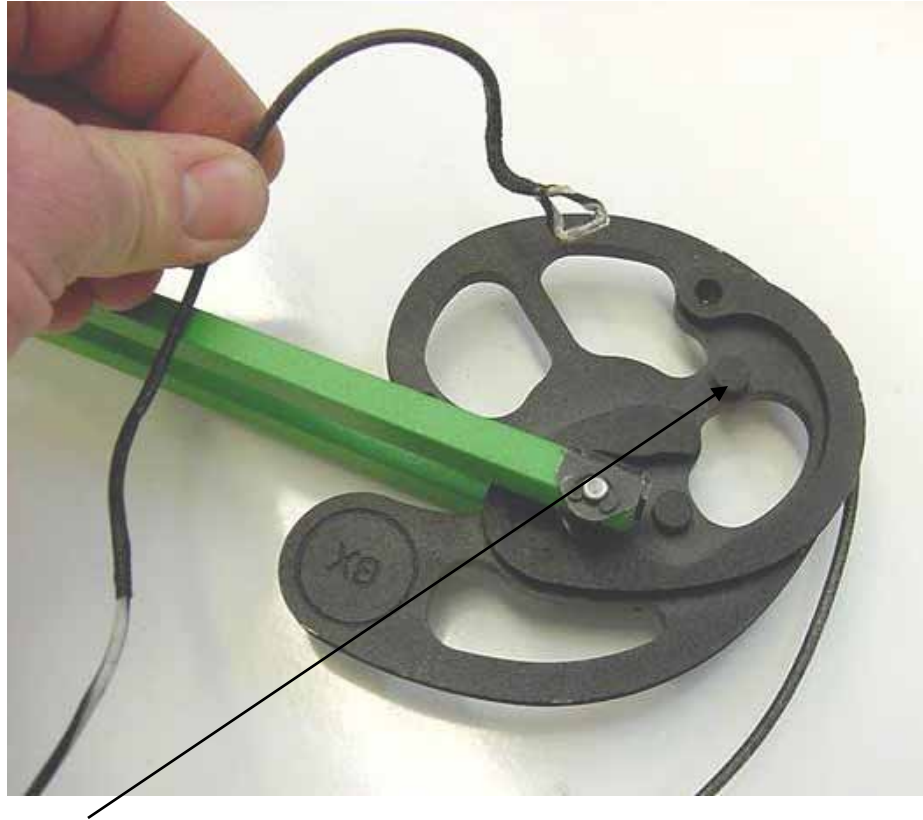
Remove cable loops from **both** sides of Idler wheel (as shown)

Old string & cable removal



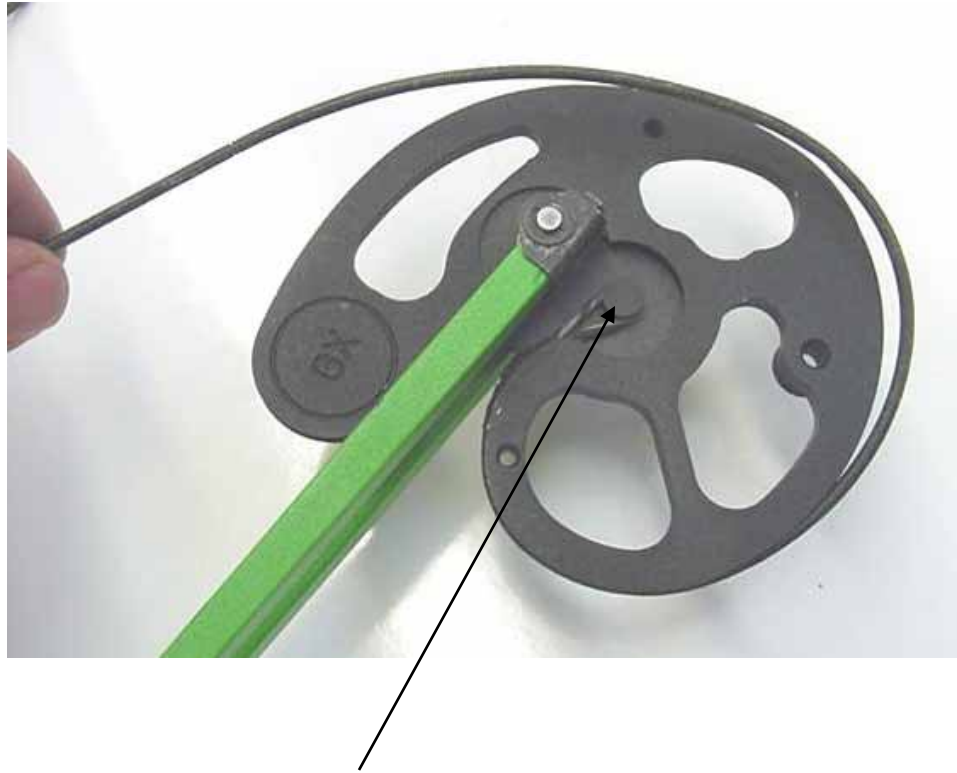
Set old cable aside (hint, strands can be cut from the old cable to later tie a nock point on new string)

Old string & cable removal



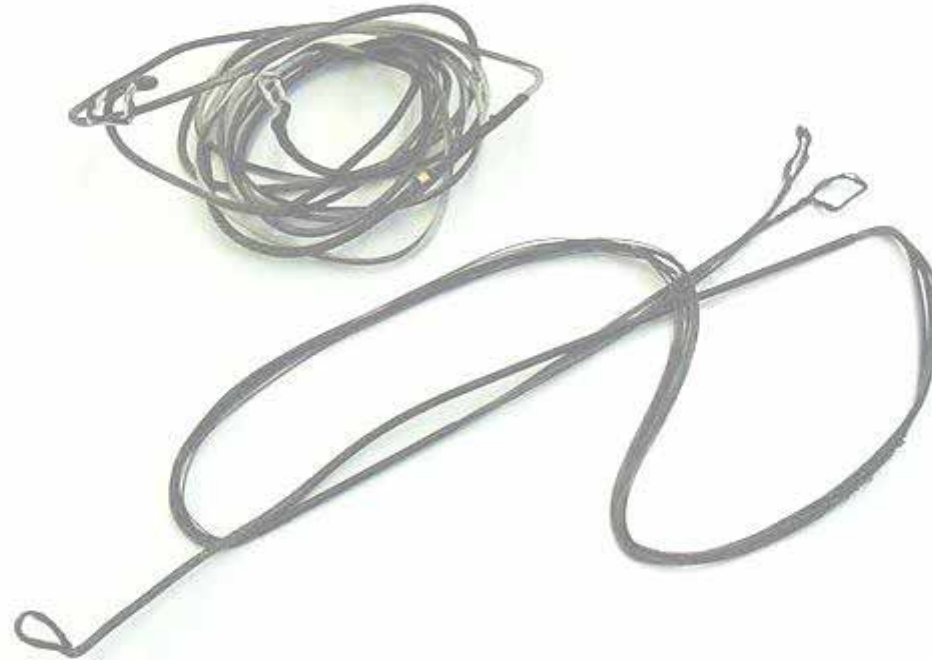
With the bow still in the sight window **down** position, remove the two colored string from the cam post that is accessible in this position

Old string & cable removal



Next, holding both limbs in place, turn the entire bow over. Now that the bow is in the sight window UP position, you can easily remove the other string loop.

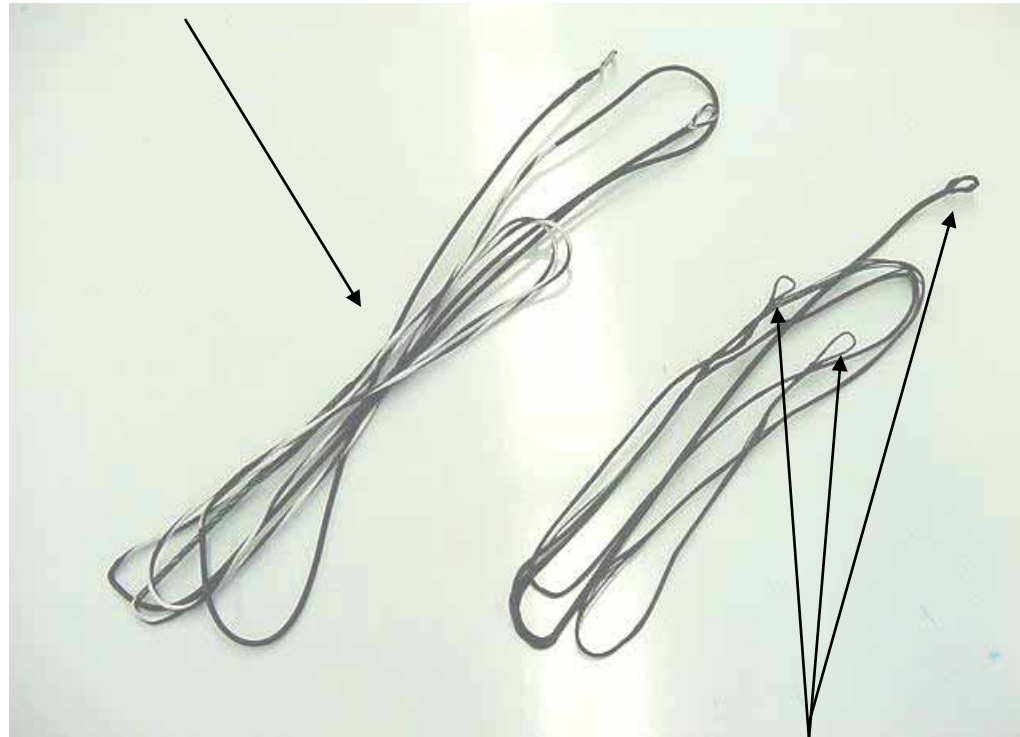
Old string & cable removal



Set both old string and cable aside for later use as nock point material. Do not discard yet, unless you have a spool of new fast flight material readily available.

Installing new string & cable

Identify **string** (longer and two colored also only has one loop at each end)



Identify new **cable** (shorter and solid black, one side has a split yoke to attach to each side of idler wheel axle spools)



Installing new string & cable

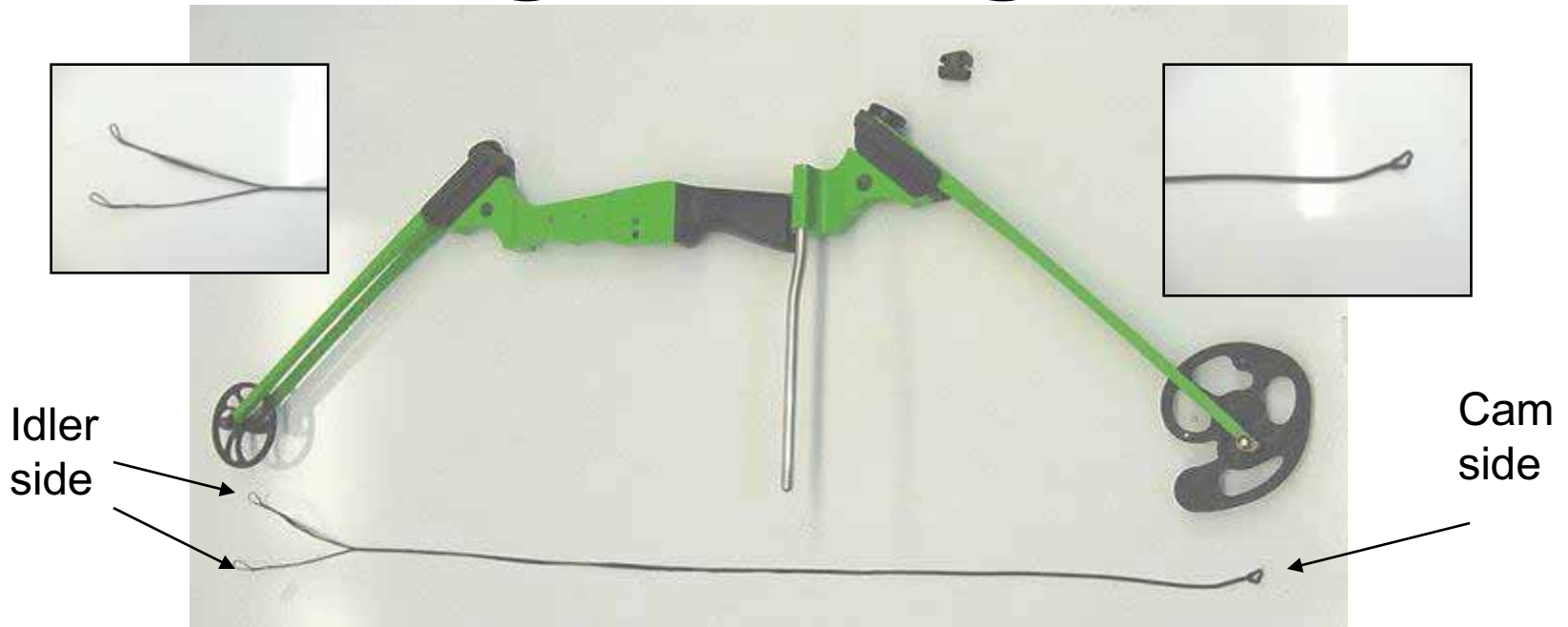


The bow was left off in the sight window up position. Carefully turn the bow over into the sight window down position at this time, preparing for new string & cable installation.

Carefully inspect limbs & limb pockets at this time to insure they are all still carefully seated into the proper locations. ***Hint -Keep a different completely strung Genesis bow nearby for reference should you need it.**

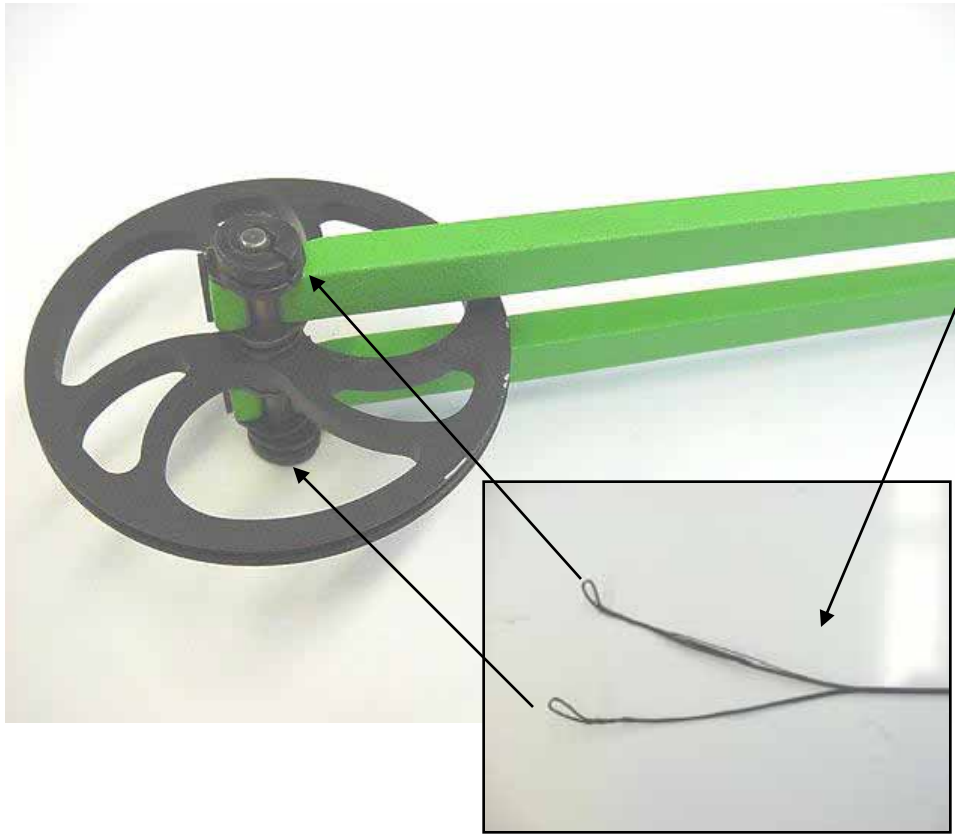


Installing new string & cable



Now that your bow has been carefully turned over into the sight window down position. Identify the new cable (shorter one, all black with two loops on one end and a single loop on the other end) Lay cable out on flat working surface as shown for ease of installation. (as shown)

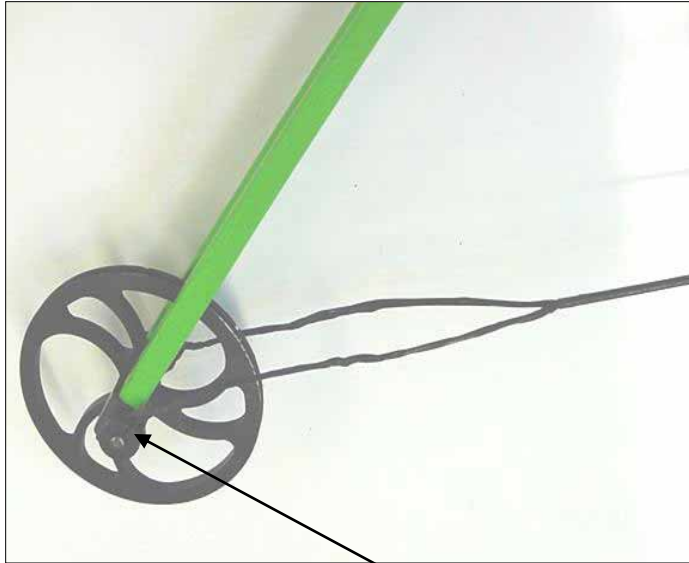
Installing new string & cable



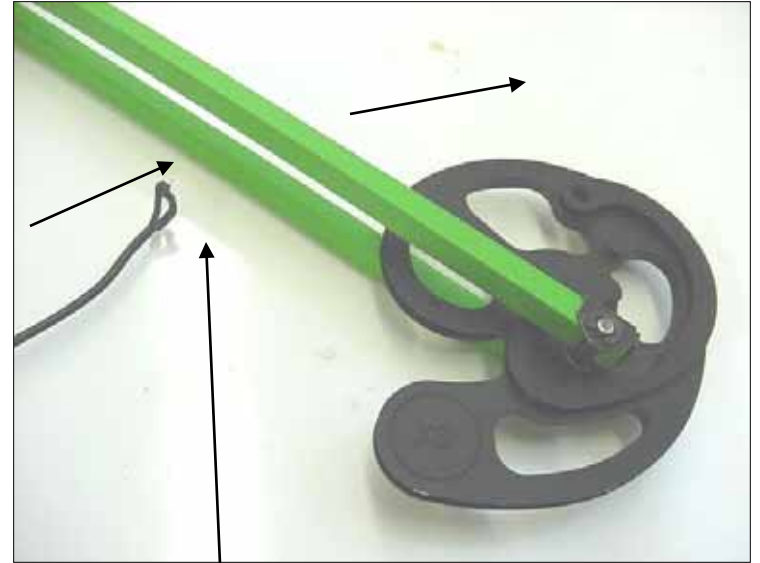
Start with the split yoke (two loop side) of the cable, install the loops over the black spools that attach to the upper axle (as shown)

Carefully lift up on the idler wheel side and attach on the opposite side of axle spool.

Installing new string & cable



Top split yoke
attached (as
shown)



Take opposite end of
cable (one loop) and
prepare to insert
between limbs (as
shown)

Installing new string & cable



With the bow (still) in the sight window position, run single loop side of cable through the limbs of the bow (as shown)

Installing new string & cable



Install single loop side of cable onto cam post (as shown)

Installing new string & cable



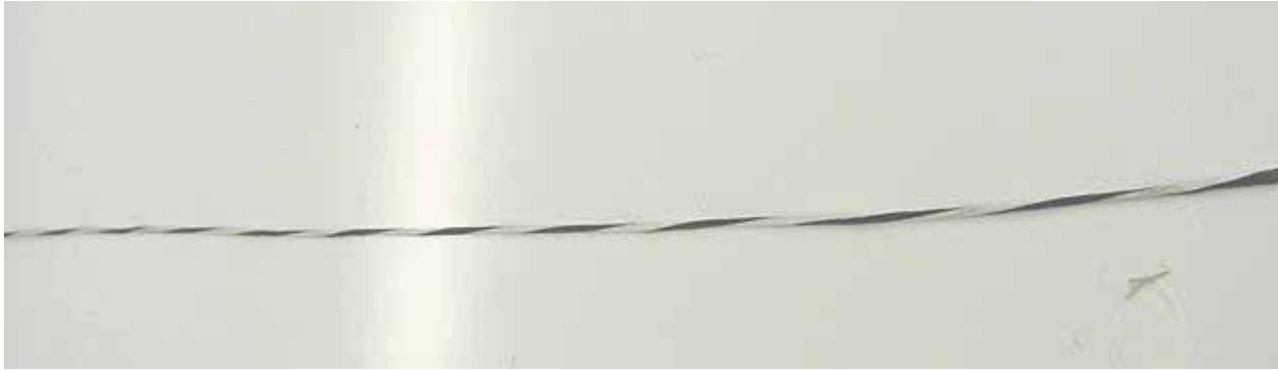
Next step is to
Identify the different
Sides of the string
To insure the
Correct side is
Installed on the
Correct cam post



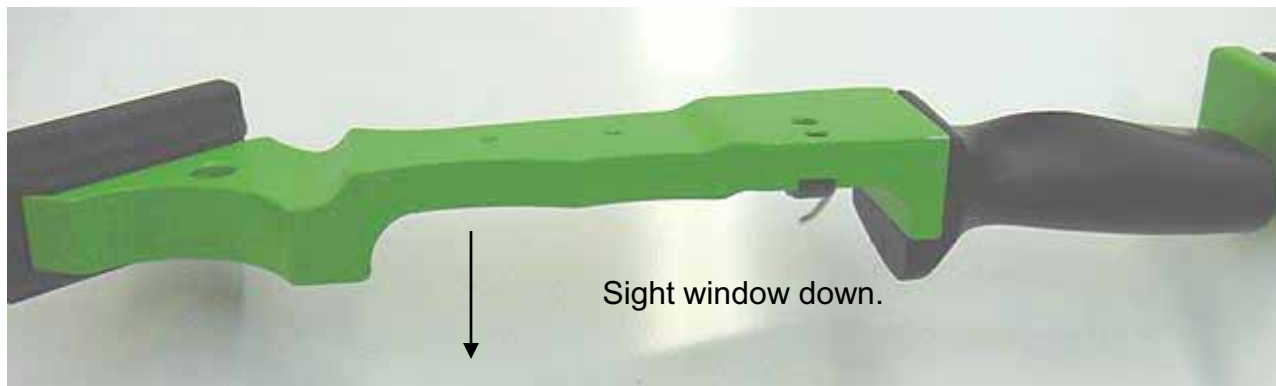
Identify the center
Serving portion of
The bow string.
(as shown)

The center serving on a factory Original Genesis string will measure 4 $\frac{3}{4}$ " inches and be served with what looks like a black & white braided material.

Installing new string & cable



Next, identify the longest twisted portion of the string that does not have any serving on it. With the Genesis bow still in the sight window down position on your flat surface, follow the twisted portion to the right to find the end loop you will start with.



Installing new string & cable



Now that you have identified the loop that needs to be installed, the chosen end will NOT go through the limbs as the previous cable did, install this loop to the outside (see following pictures)

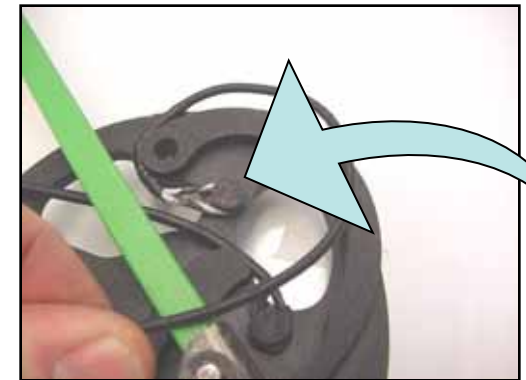
Installing new string & cable



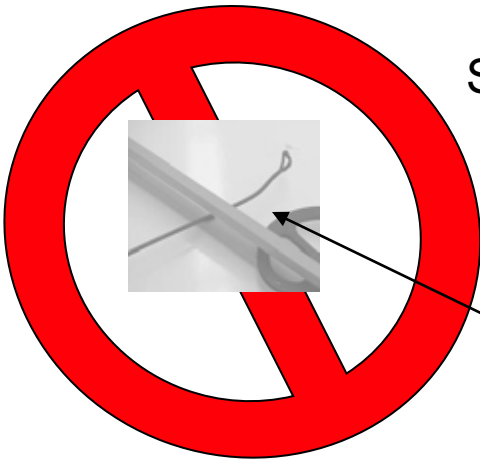
Step 1



Step 2



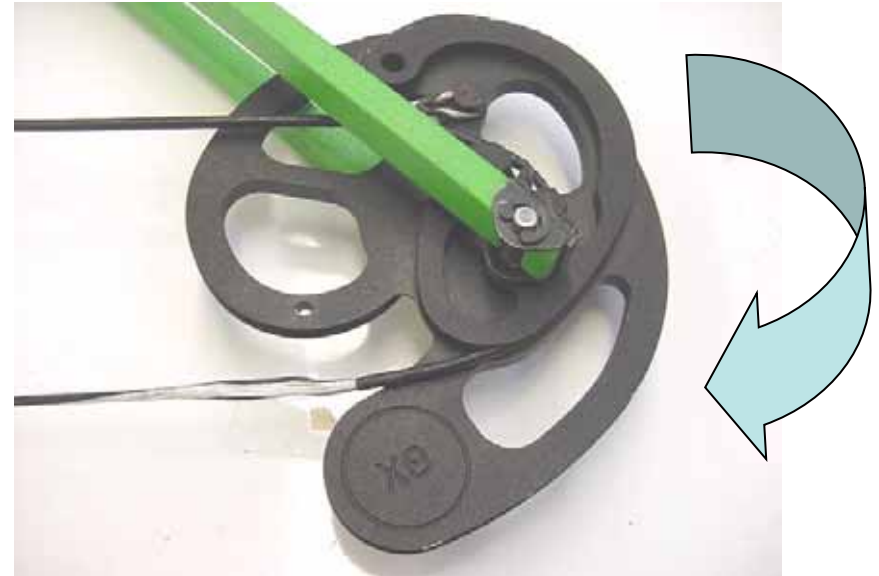
Step 3



Remember, **DO NOT** insert string loop through the limbs, follow to the outside and back around the curvature of the appropriate string track on the cam as shown in **Step 3**

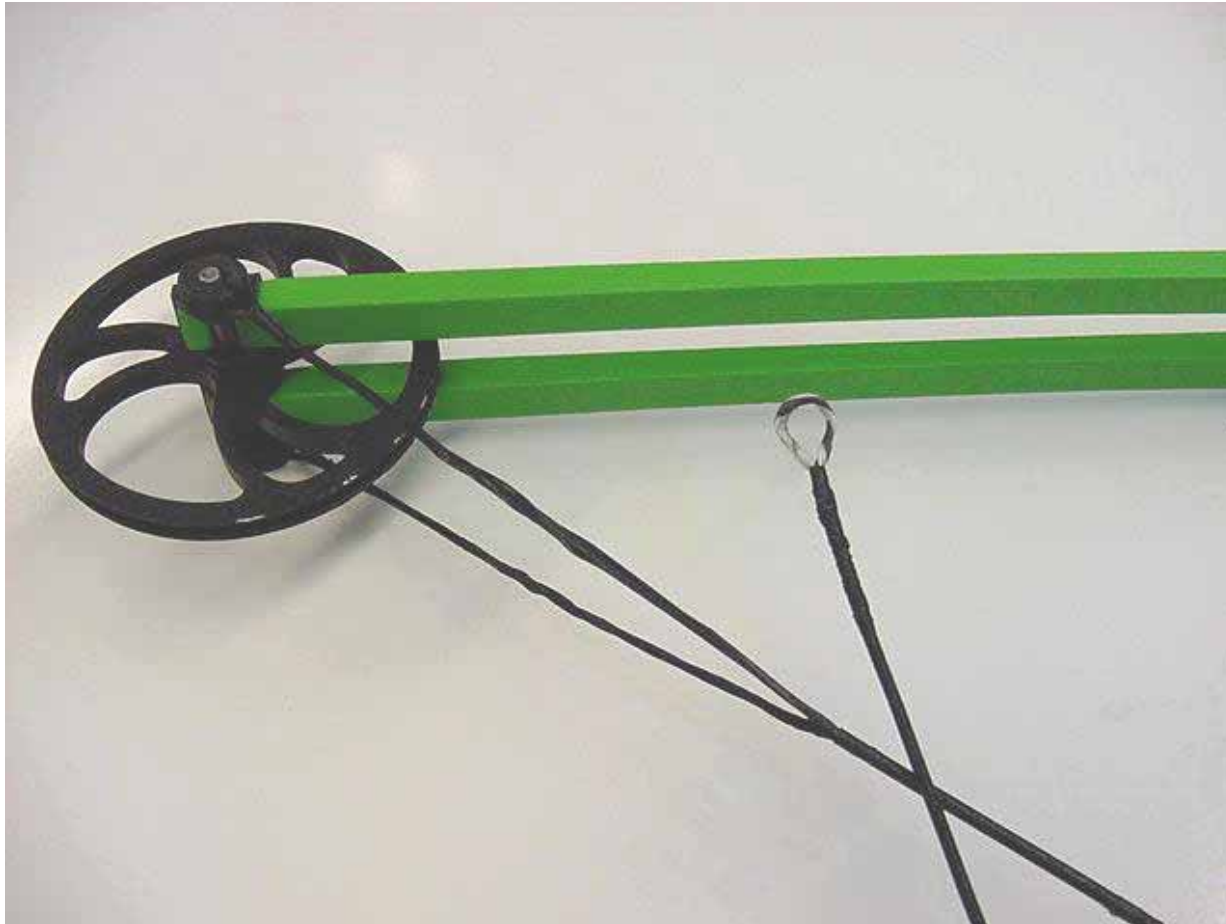


Installing new string & cable



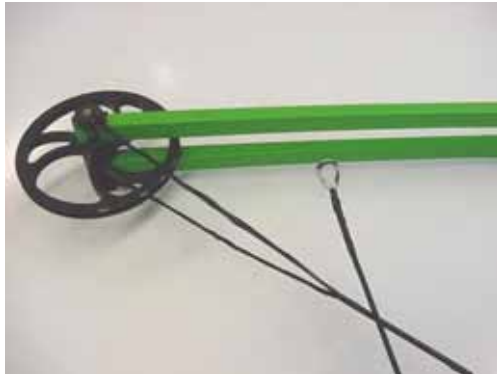
After installing loop on cam peg that is shown carefully wrap string around the track groove heading back towards the top (idler) wheel, make sure the string crosses over the cable (shorter, solid black) as you are headed back towards the idler wheel side (top) of the bow.

Installing new string & cable

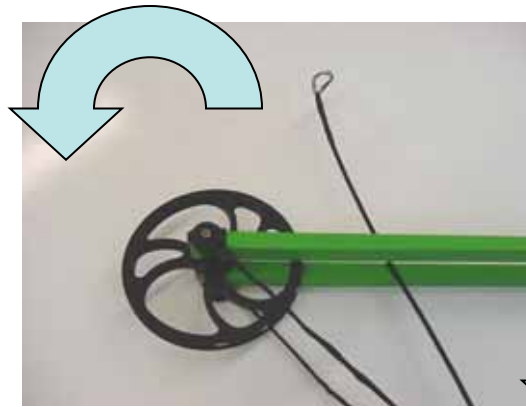


As mentioned in last slide, the string will cross over the cable as shown (left)

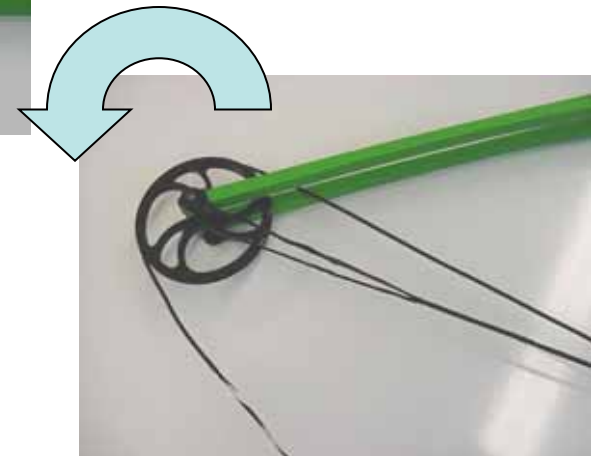
Installing new string & cable



Step 1



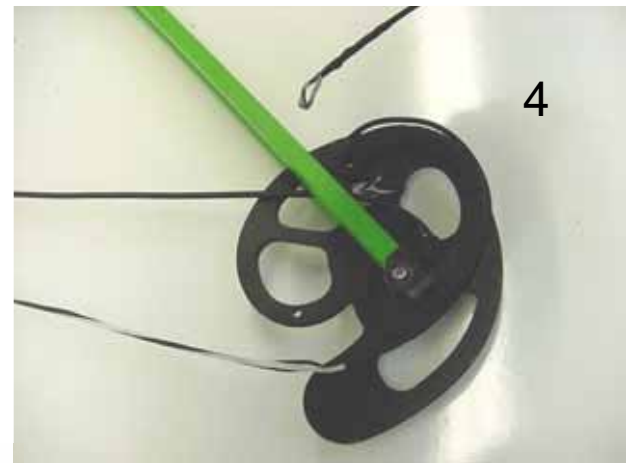
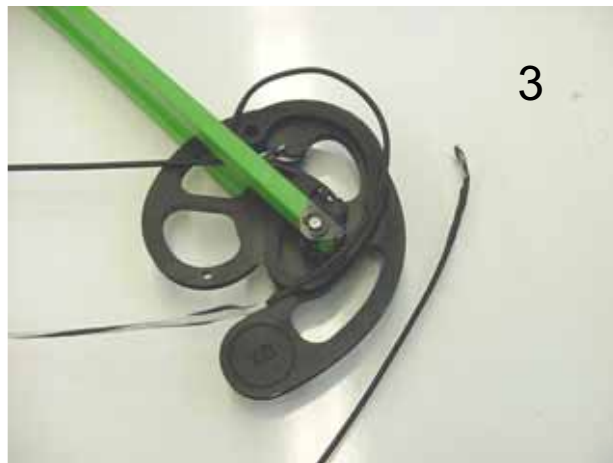
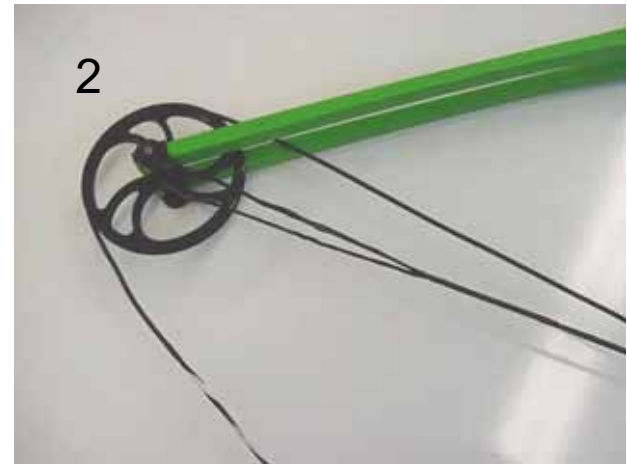
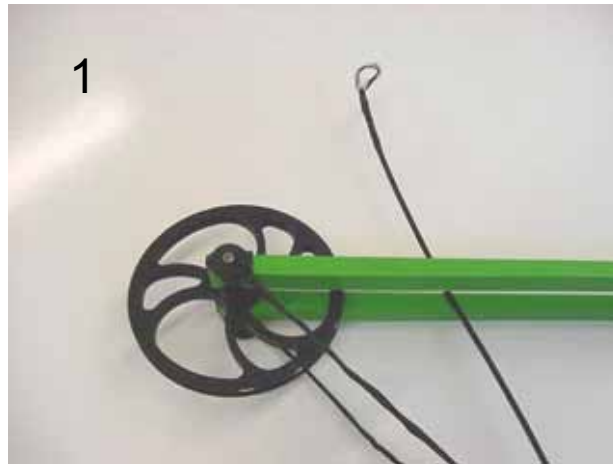
Step 2



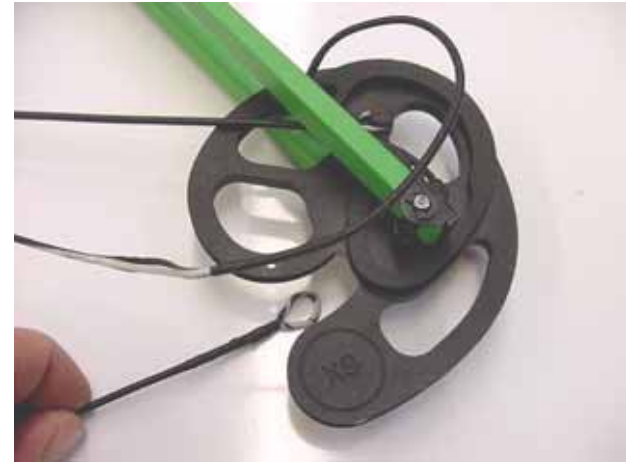
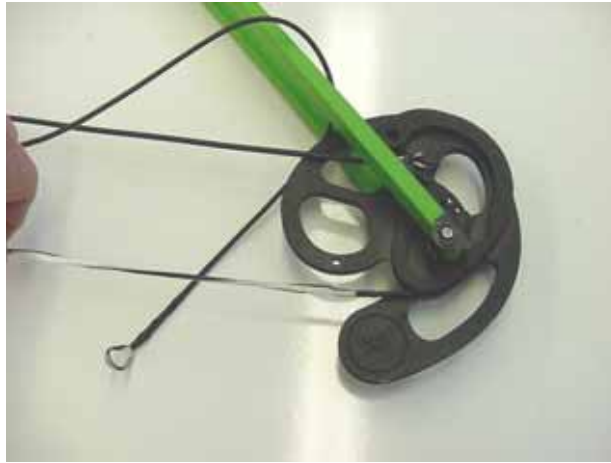
Step 3

As mentioned in last slide, the string will cross over the cable as shown (left)

Installing new string & cable



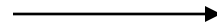
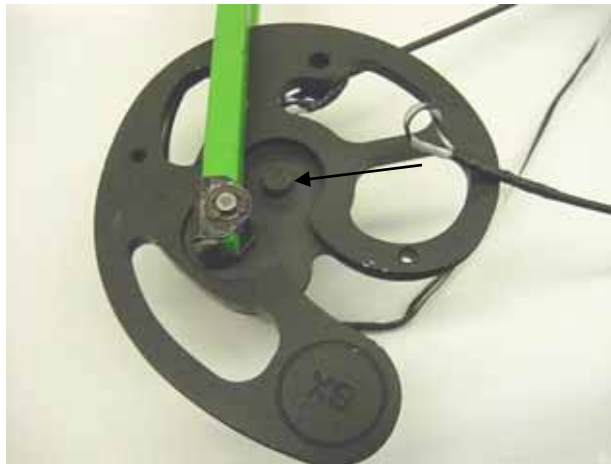
Installing new string & cable



Insert string through limbs from the back side, string should pass **under** the string and cable that is already installed.

At this point, gently lift up on cam side, preparing to install the loop on the underneath cam post. Make sure the loops that you have already attached are still in their designated tracks and grooves.

Installing new string & cable



Above is the underneath view of cam (as if you turned bow over) You may want to gently turn bow over at this point to insure that all strands are properly seated on the cam post.

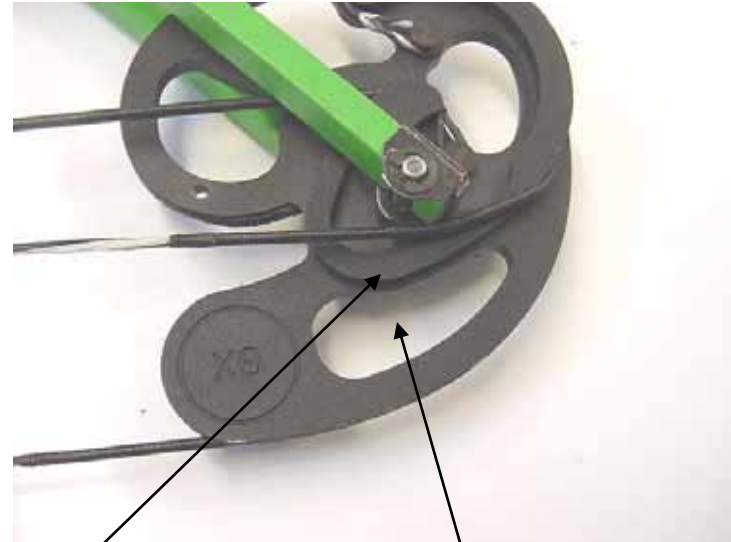
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Installing new string & cable



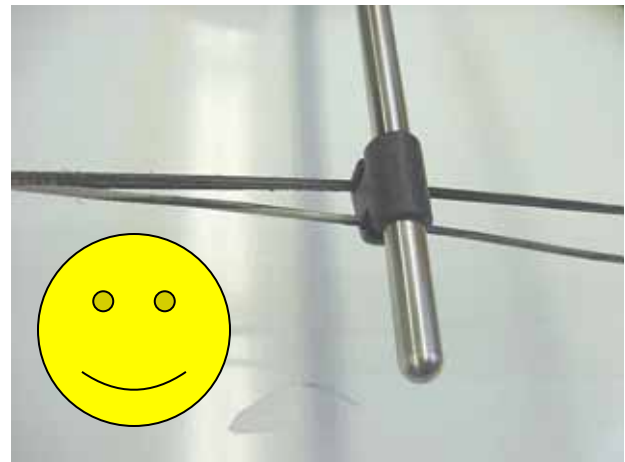
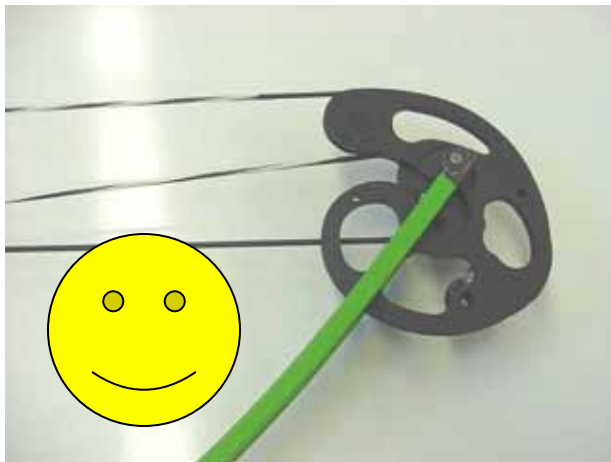
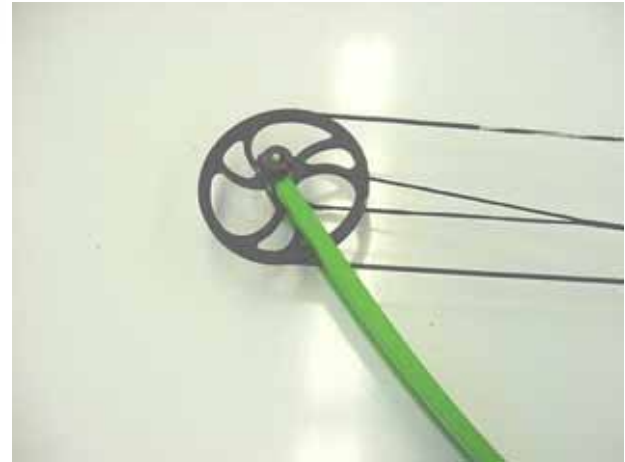
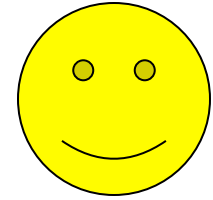
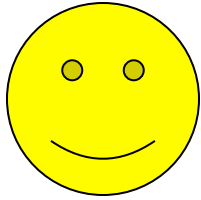
From this point, wrap string around counter-clockwise, keeping in mind that the other string & cable must be kept in place, if any string or cable is out of it's track, gentle lay string or cable back in it's appropriate track.



Gently install string and cable back into all tracks as needed, bow is not under much tension and string and cable can be easily put back into tracks as needed.

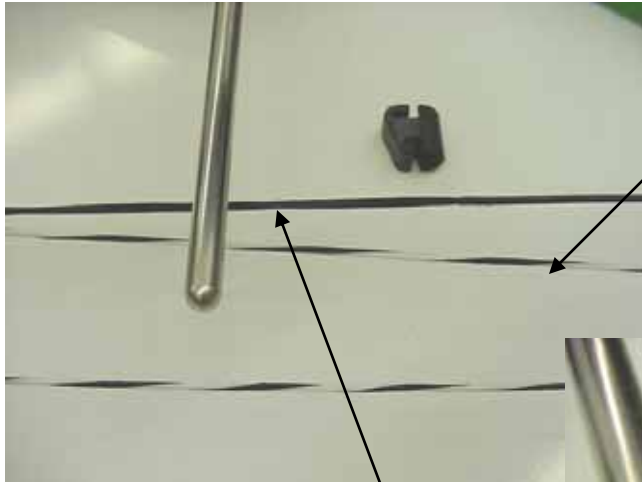


Final Inspection

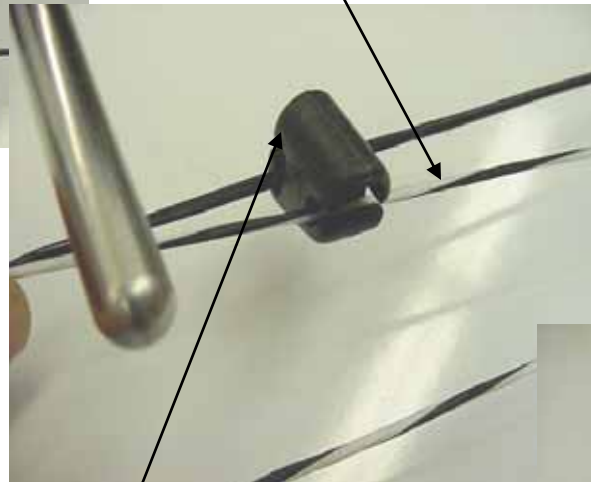


Inspect all attachment posts and string/cable tracks for proper placement. Insuring that all strands are in place.

Cable slide installation



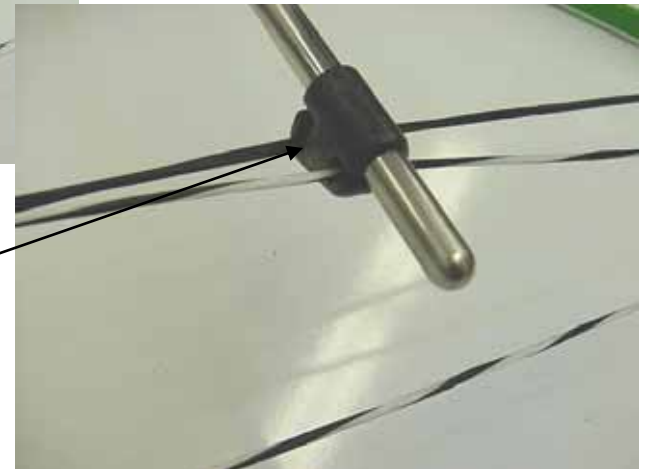
STRING (Black and white twist) Also, when bow is positioned in the sight window down position, the cables and string must cross at the top of the cable guard as shown.



Cable slide has two different depths for string and cable. When installed properly, the cable will sit in the deepest side and string will sit in the shallow side

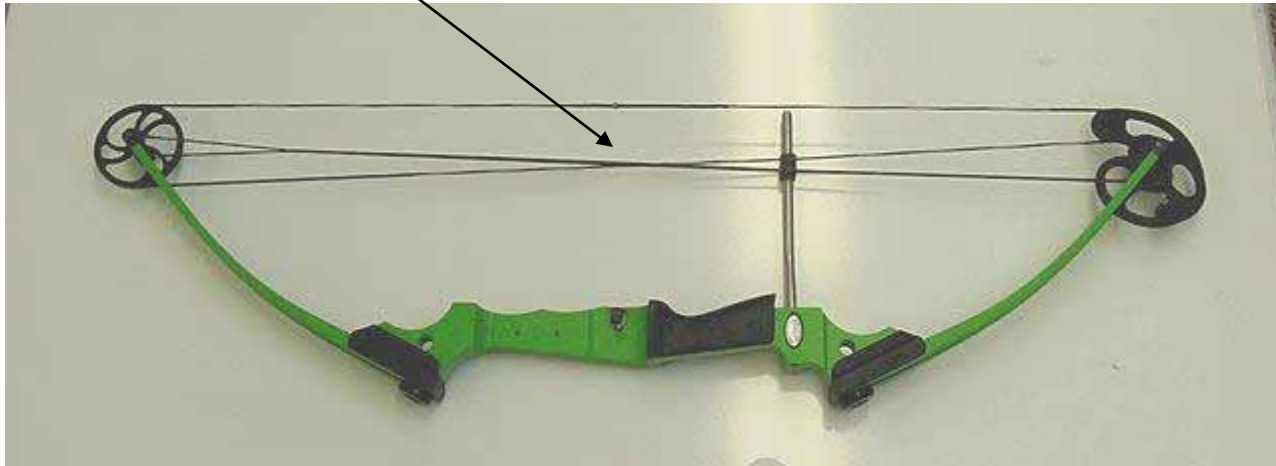


CABLE (solid black)



Cable slide installation

- **Correct** (as shown) cable and string cross *above* the cable guard.



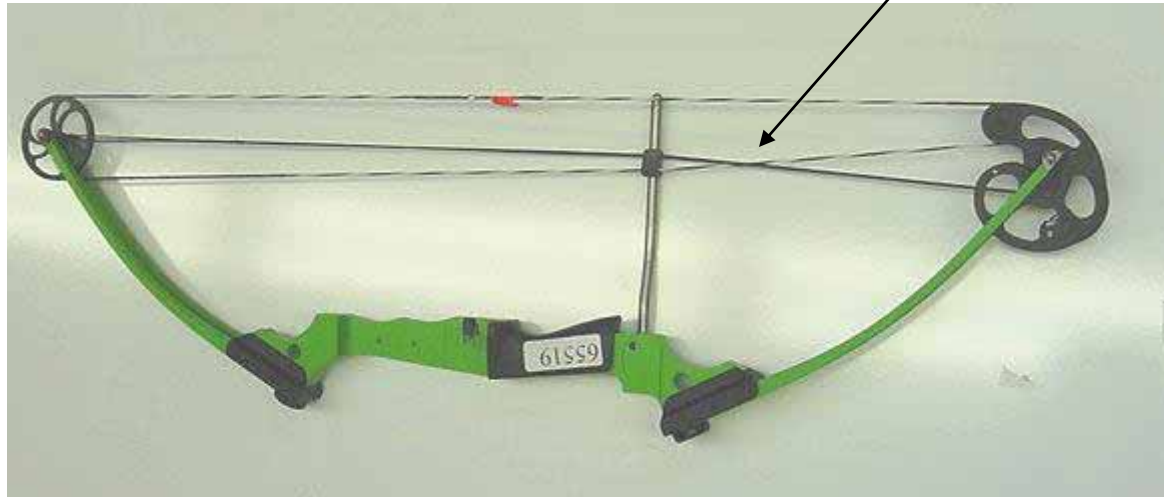
Top (wheel)



Bottom (cam)

Cable slide installation

- **Incorrect** (as shown) cable and string cross *below* the cable guard. **Not correct, do not use.**



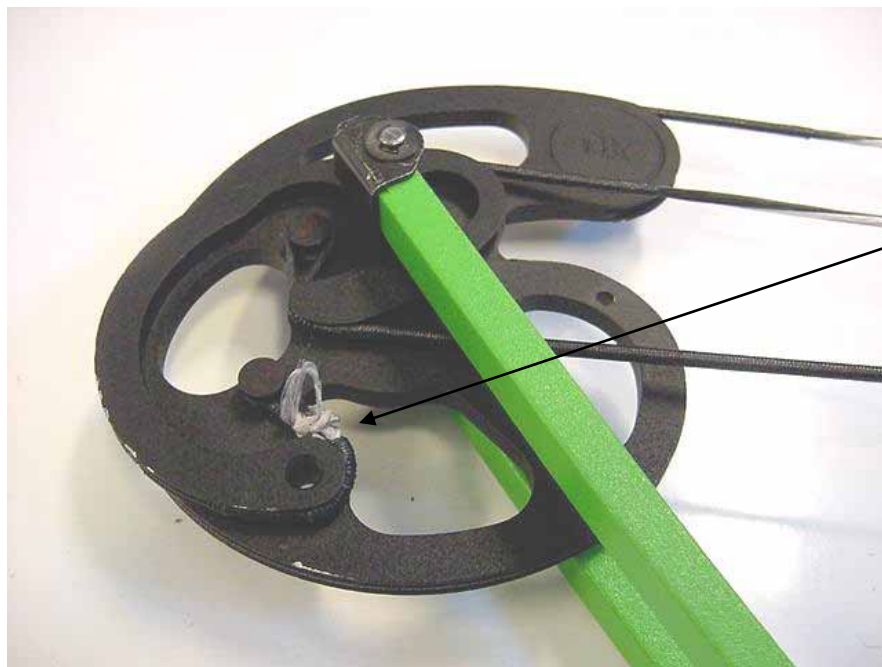
Top (wheel)

Bottom (cam)

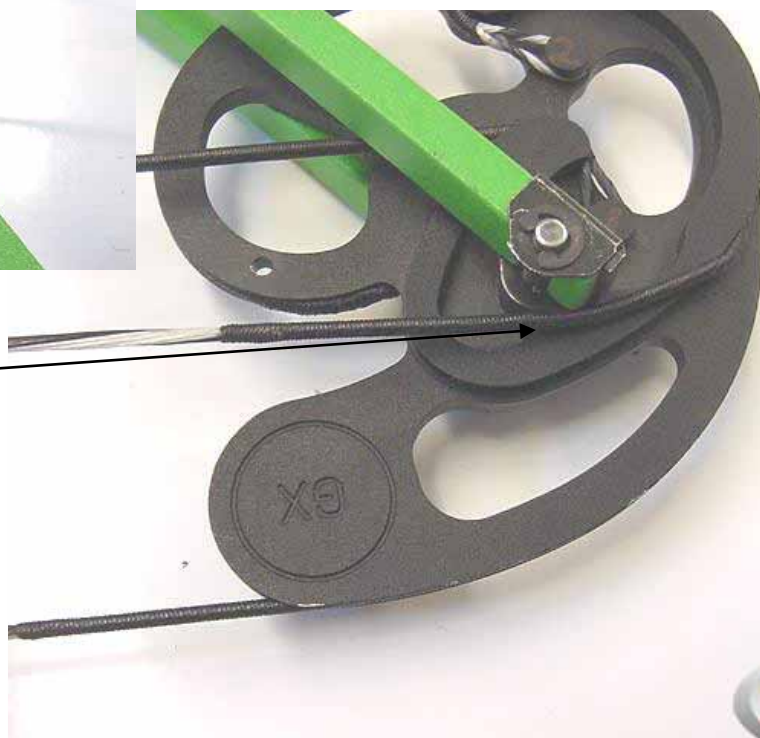


Final Inspection

DANGER!!!



Strands of string are not all on cam post. **DO NOT SHOOT ANY BOW THAT DOES NOT HAVE ALL STRANDS ON THE CAM POST**



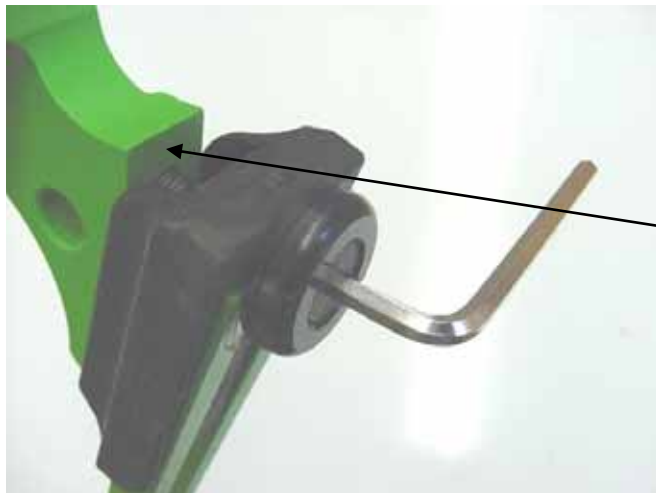
DANGER!!!

String is not in track. Put back in it's track immediately. **DO NOT SHOOT ANY BOW THAT DOES NOT HAVE STRING IN IT'S TRACK**

String and cable installed

After string and cable installation has been completed and you have thoroughly inspected the bow, it is now time to

1. Back the limb bolts down to their maximum setting. Insert wrench and turn bolt clockwise, one turn at a time, rotating back and forth from top to bottom weight adjustment bolt.



Before

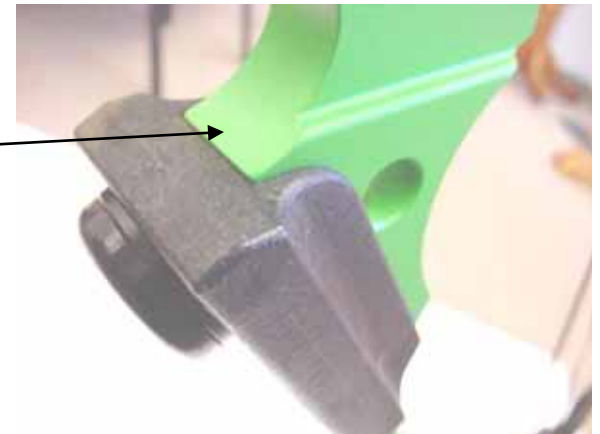


String and cable installed

After string and cable installation has been completed and you have thoroughly inspected the bow, it is now time to....

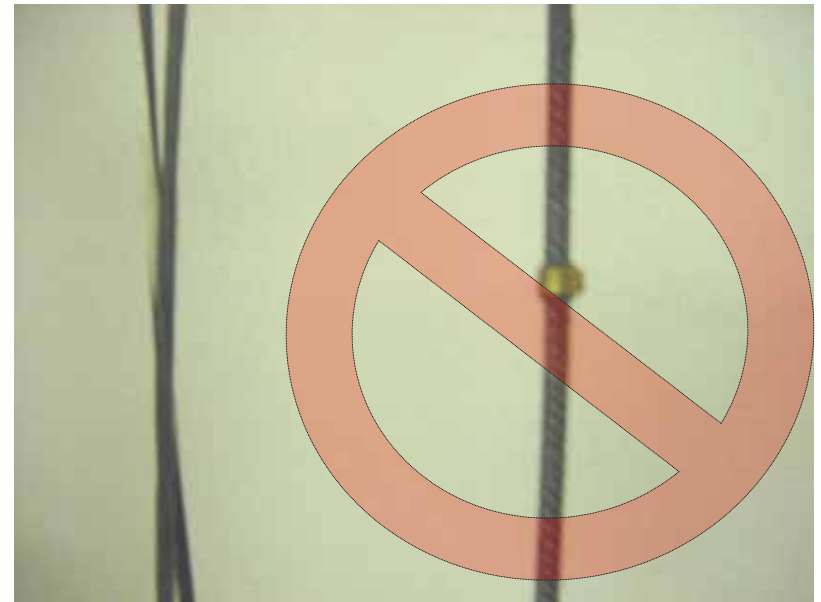
1. Back the limb bolts down to their maximum setting. Insert wrench and turn bolt clockwise, one turn at a time, rotating back and forth from top to bottom weight adjustment bolt.

After



New string and cable set up

Now that you have successfully replaced your worn string and cable, it is now time to install a nocking point on your bow. We **do not** recommend that you use a brass nock point. If a brass nock point were to ever loosen up or not be installed tight enough to begin with, damage or injury may occur.



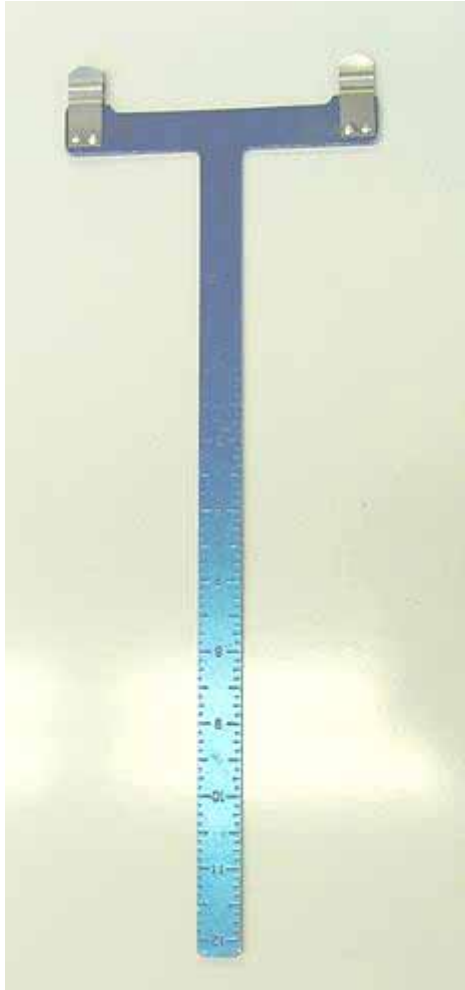
Nock point setting

We highly recommend that you “tie” a nock on your new bow string. In this next section we will walk you through the steps in how to properly “tie” a nocking point on your string.

Benefits of a tied nock point are significantly less string wear & ease of removal.



Nock point setting

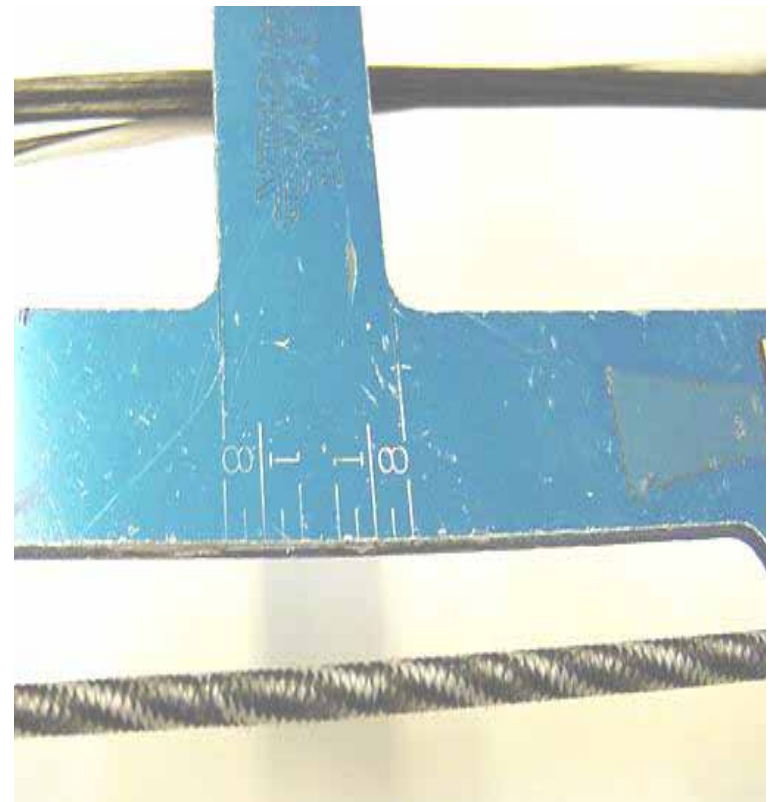


Pictured to the left is a common bow square. It is used to set the proper nock height on bows.

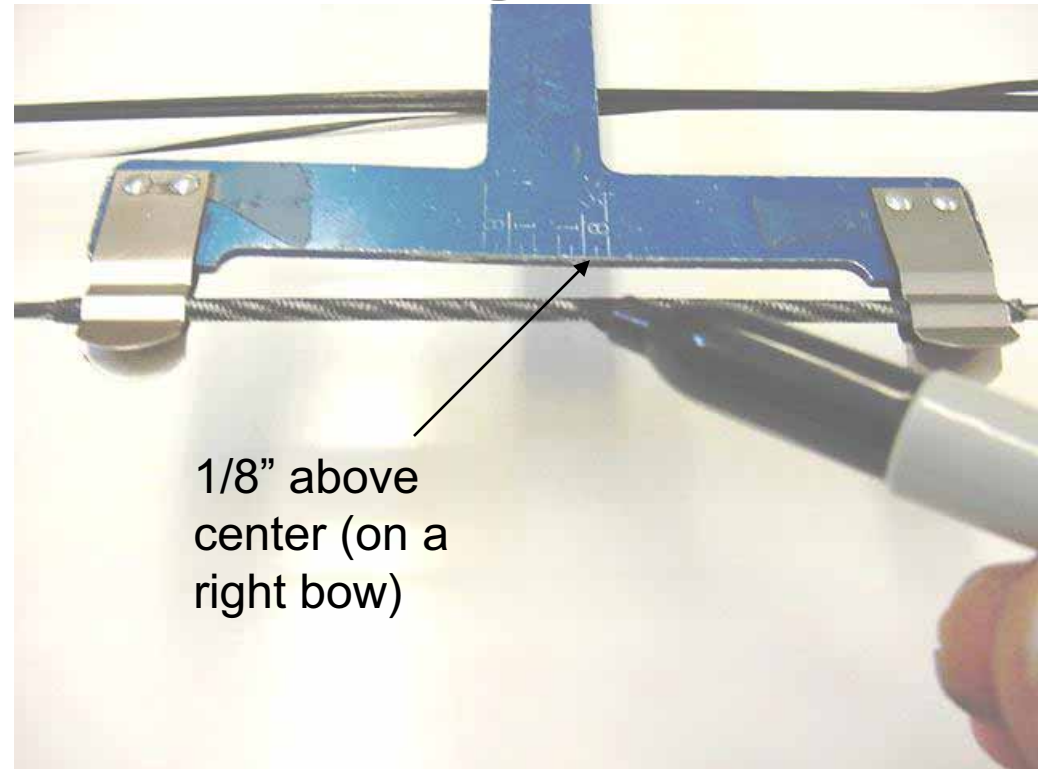
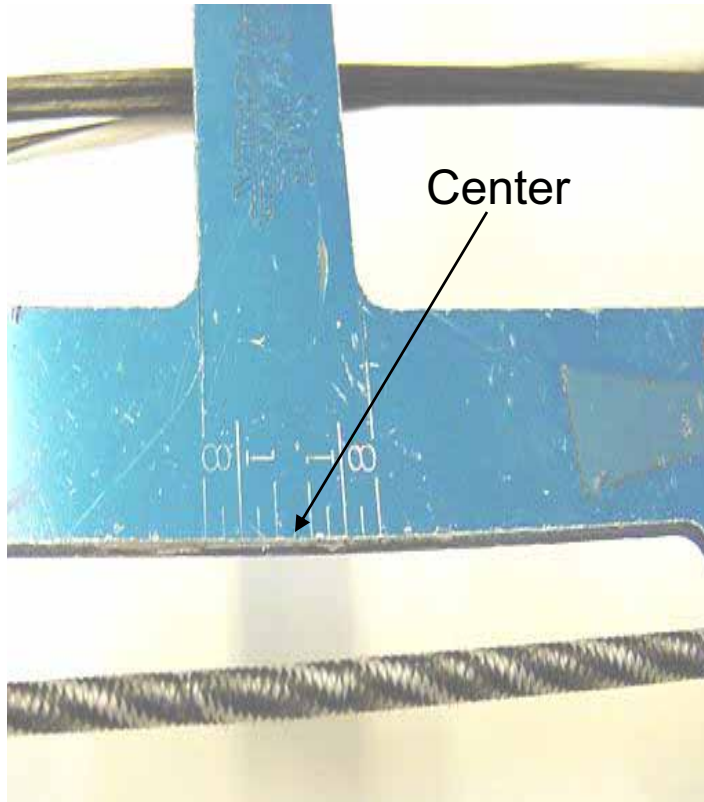
Nock point setting

Going back to your flat working surface or table, place bow in the sight window up position (as shown)

Making sure that the bow square sits on the arrowrest in the same manner an arrow does is very important.



Nock point setting



← Cam side on Right hand bow

Wheel side on a Right hand bow →

Above left is a close up of the measurement markings that you will commonly find on a bow square. Using a permanent marker, mark the string at 1/8" above center. (both are pictured as **sight window up**)

Nock point setting



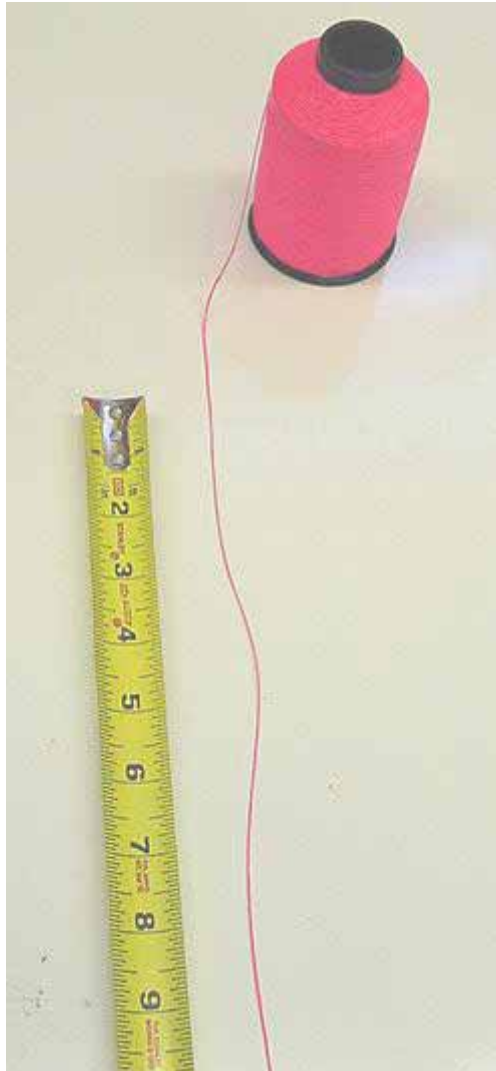
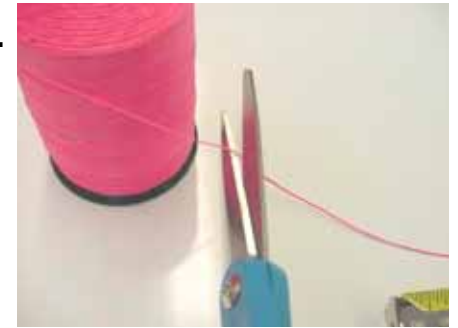
OR



Next step is to either utilize a roll of fast flight material to be used as nock point material or cut strand from the old string or cable you just replaced.

Nock point setting

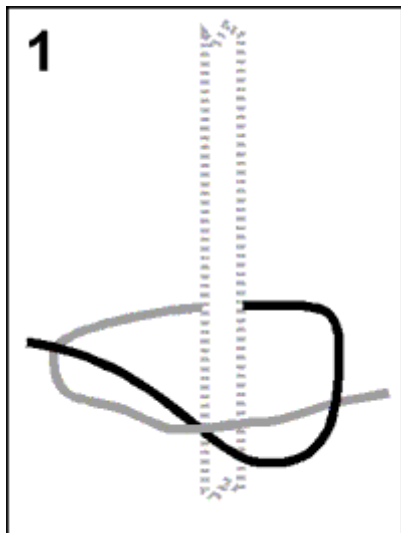
Either utilizing new fast flight material or your old string and cable, cut an 18" piece of material to used as your tied nock point.



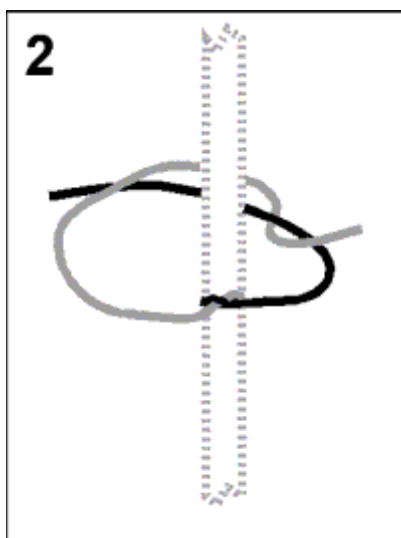
With your string already marked, start to tie knots as follows. Starting from the mark work your way up the string tying standard knots from front to back as shown in the following slides.



Knot sequence

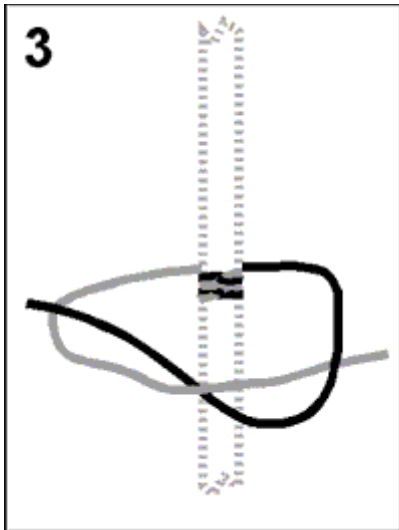


1. Wrap the piece of serving material around the bow string and begin as if you were tying your shoe. You're going to tie the first half of a square knot, stop, and pull the ends snugly by hand.



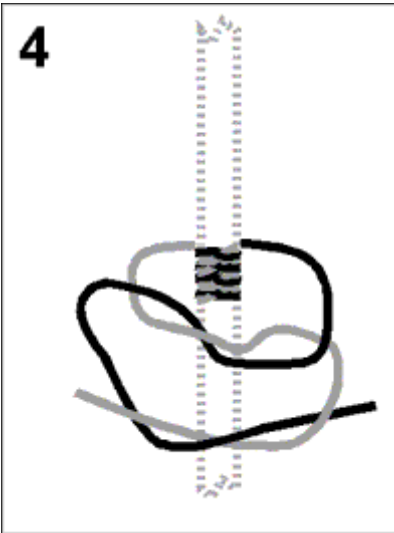
2. Take the two string ends around the back of the bow string and repeat the process on that side. Make sure to cross the strings in the same direction as you did on the front to keep the nock looking neat. If you went right-over-left on the front, do the same on the back. Pull the ends snug by hand again.

Knot sequence



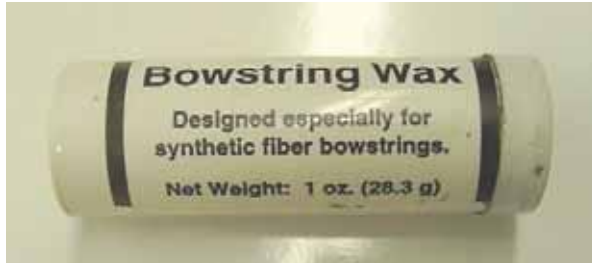
3. Bring the ends around the front again and repeat. Continue this process until you've completed a series of four 'ties' on the front of the string and four on the back

Knot sequence

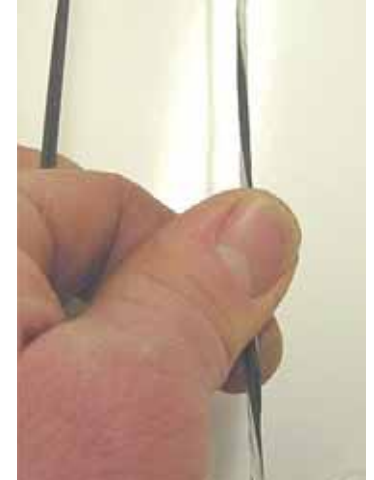


Bring both ends around the front and finish off the nock by tying a square knot (right-over-left with the first tie and left-over-right to finish). Use the pliers to pull the knot as tight as possible. Now, either cut or burn the excess string off as close to the knot as possible. Next, spread glue on the knot and nock to harden it and keep things tight. **DO NOT** allow the glue to soak through to the center serving or bow string. You want to be able to twist the knock up and down the serving to adjust nock height. (You might have to work at the nock a bit to get it to move at first.)

String and cable maintenance

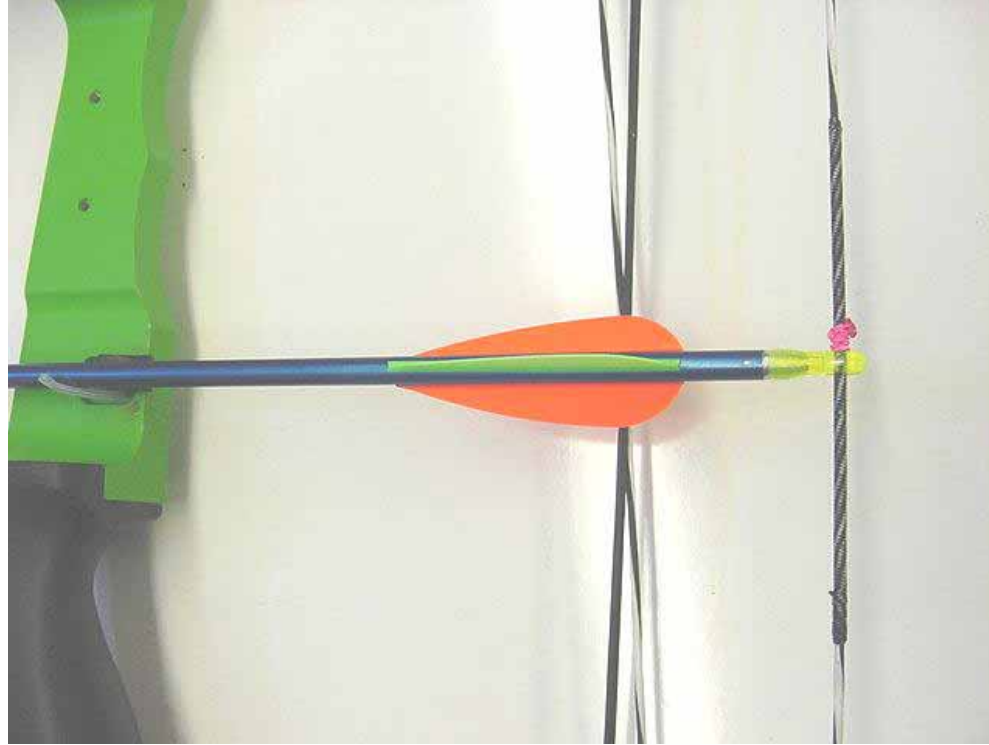


After you have applied a light coat of wax on the string and cable, gently work the wax into the string and cable.
(shown right)



- For preventative maintenance measures we recommend that the string and cable be waxed after each shooting session.
- Just a light coating periodically will greatly increase the life of your string and cable.

Ready to Shoot!



Now you are ready to shoot!.



Keeping You On Target for Life

Please feel free to contact us if you need additional information that was not covered in this tutorial. We can be reached at 608.269.1779

Or



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