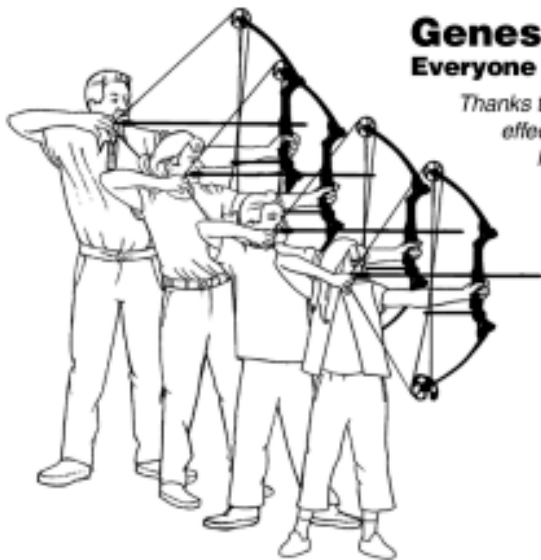




# How to Re-string and Re-cable the Genesis Compound bow



## **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.*

[www.genesisbow.com](http://www.genesisbow.com)

[www.archeryintheschools.org](http://www.archeryintheschools.org)

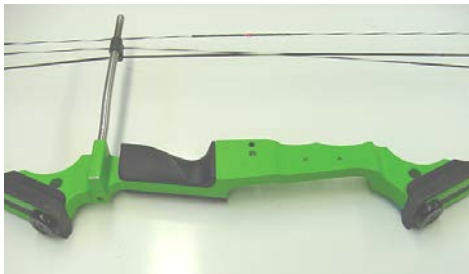
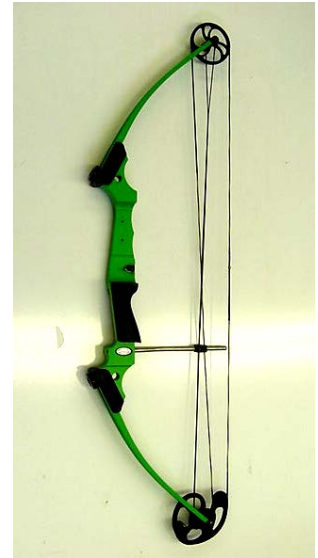
# Introduction and Terminology

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 by-standers. Use these detailed simple steps to replace the string and cable on your Genesis Compound bow.



The part of the bow above the grip is known as the *sight window*.

This bow would be considered and referred to as *sight window out*.

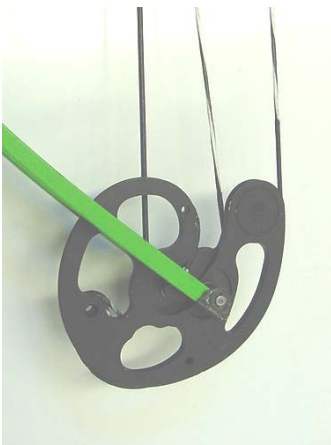


This bow would be considered and referred to as *sight window down*.

This is the *Idler wheel*.  
(top of the bow, when in shooting position)

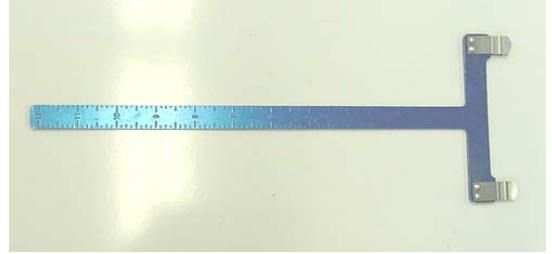


This is the *Genesis Cam*.  
(bottom of the bow, when in shooting position)



# Tools Required

- 3/16 Allen wrench
- Flat table, clean working surface
- Scissors
- Lighter
- Bow square (pictured to the right)



# 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.\*\***

# Maintaining the Bow

All instructions in the following pages are for “RIGHT HANDED” bows.

## Adjusting the Draw Weight of the Bow



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

This is what a bow looks like set at the peak draw weight.  
(20 lbs for standard Genesis NASP bow)

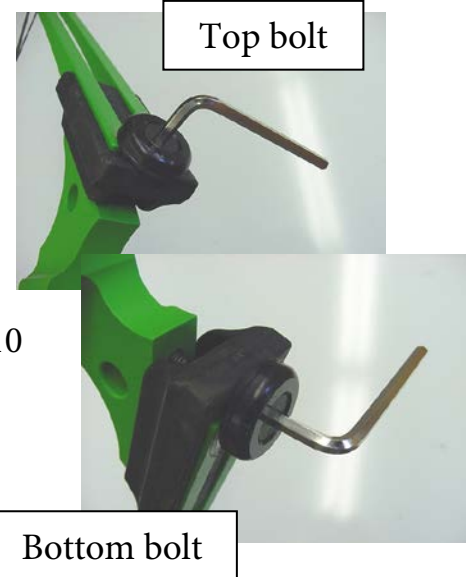
There is no space in the limb pocket. If there is space in the limb pocket, insert the 3/16 Allen wrench and tighten (see note below about keeping bow in balance!)





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

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.



## **REMEMBER TO ADJUST BOWS IN BALANCE!**

**Back weight - adjust bolts out or tighten 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

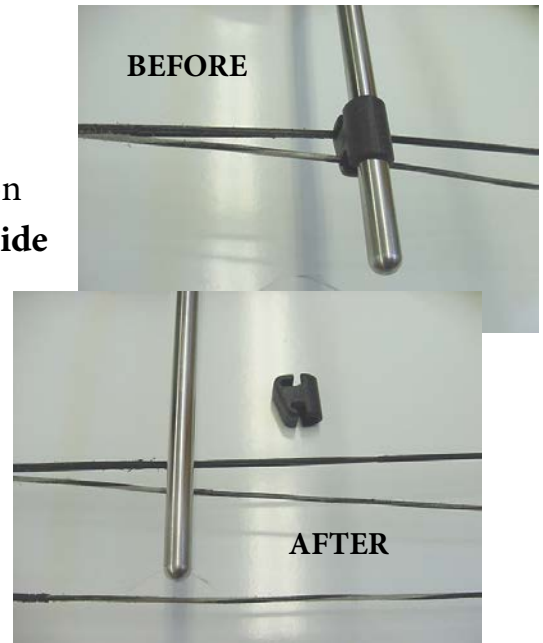
So on and so forth until you completed 10 rotations on both top and bottom.

***Never back 10 turns off the top and then follow with 10 turns off the bottom. If you lose 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.***

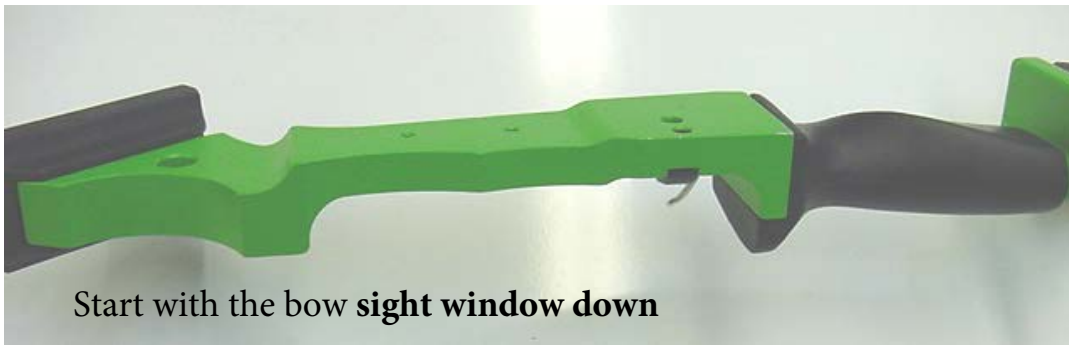
## Replacing the cable and string

### 1. Remove cable guard slide

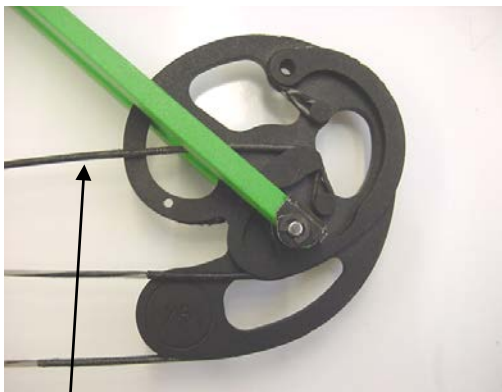
Once the limbs have been backed off 10 turns on both sides, **carefully remove the cable guard slide as shown. Set aside in a safe place for re-installation.** If you lose the cable slide, the bow will not function properly without it. Do not attempt to shoot the bow without a cable slide as arrow will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



### 2. Lay bow on flat surface



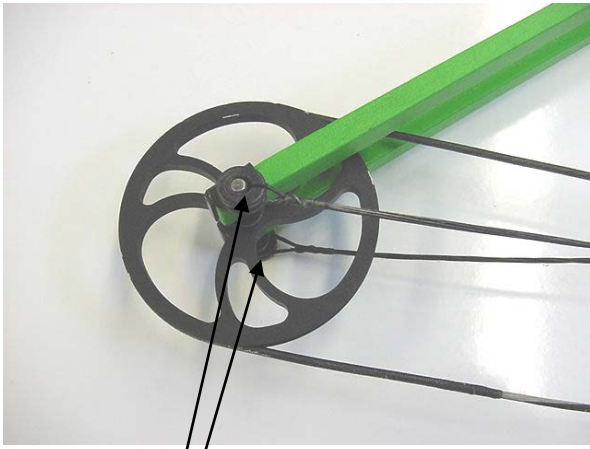
### 3. Remove old string and cable



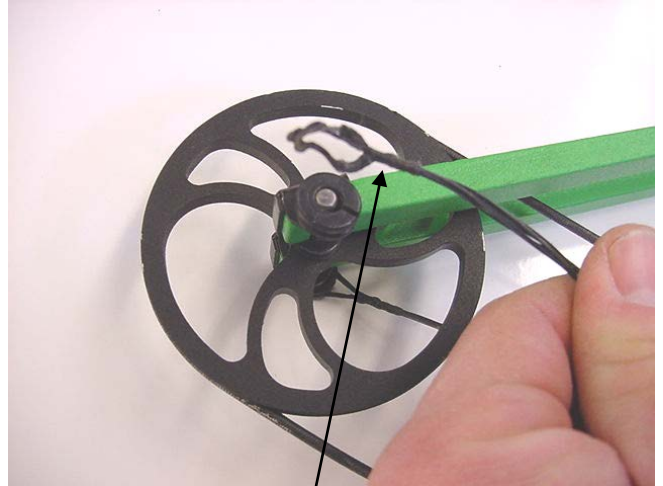
A. Locate cable



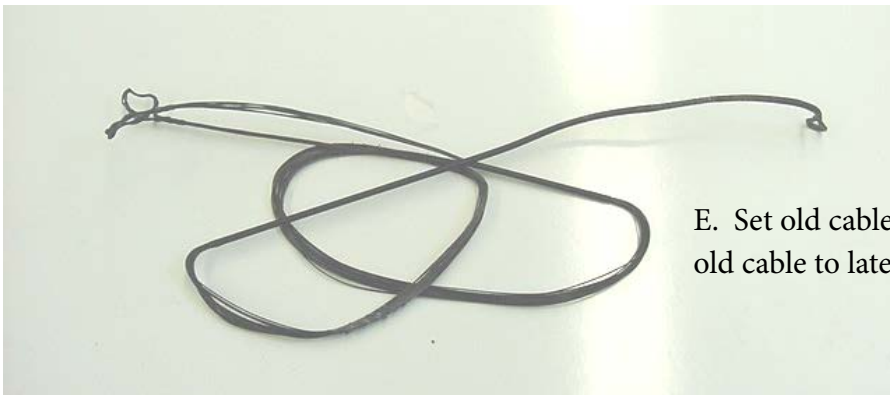
B. Remove cable from cable post



C. Locate idler wheel cable connections

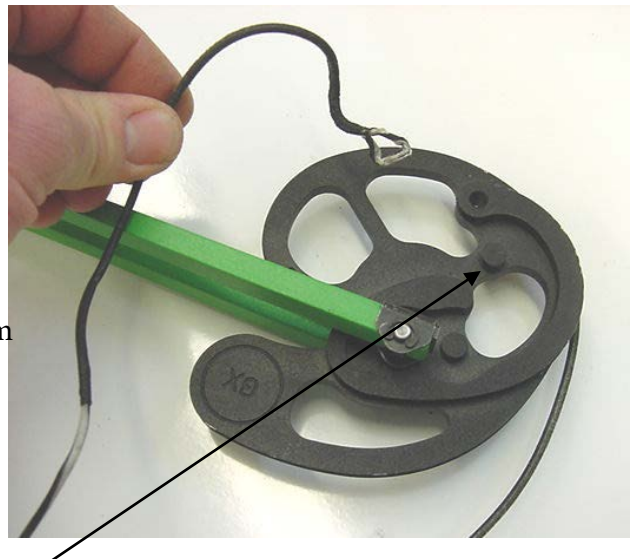


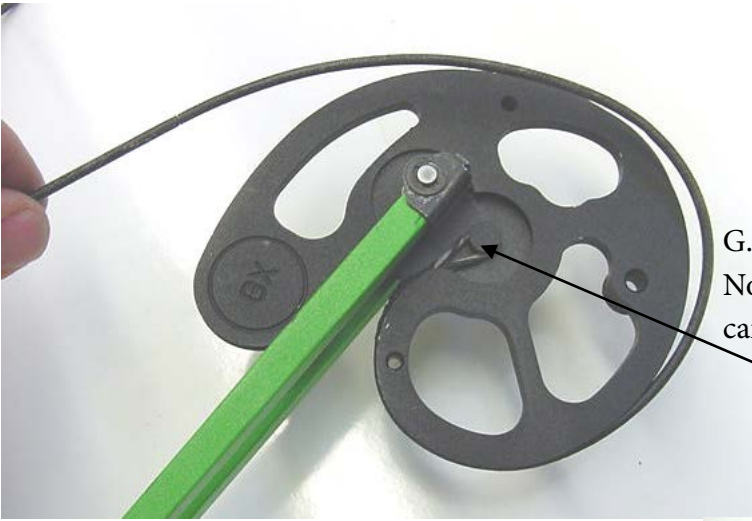
D. Remove cable loops from BOTH sides of Idler wheel



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

F. 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





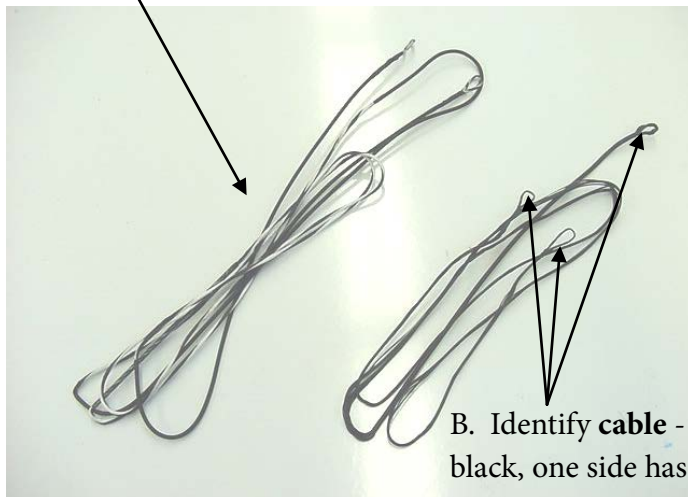
G. Next, holding both limbs in place, flip the bow over. Now that the bow is in the sight window UP position, you can easily remove the other string loop.

H. Set both old string and cable aside for later use as nock locator material, unless you have a spool of new fast flight material readily available.

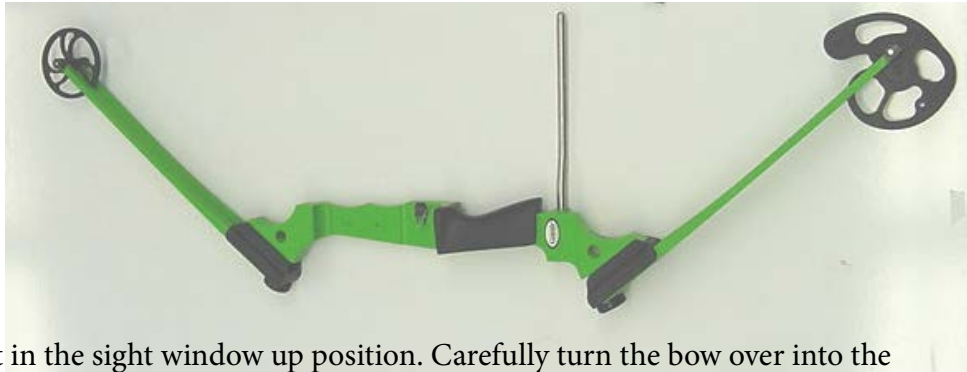


#### 4. Install the new string and cable

A. Identify **string** - longer and two colored also only has one loop at each end.



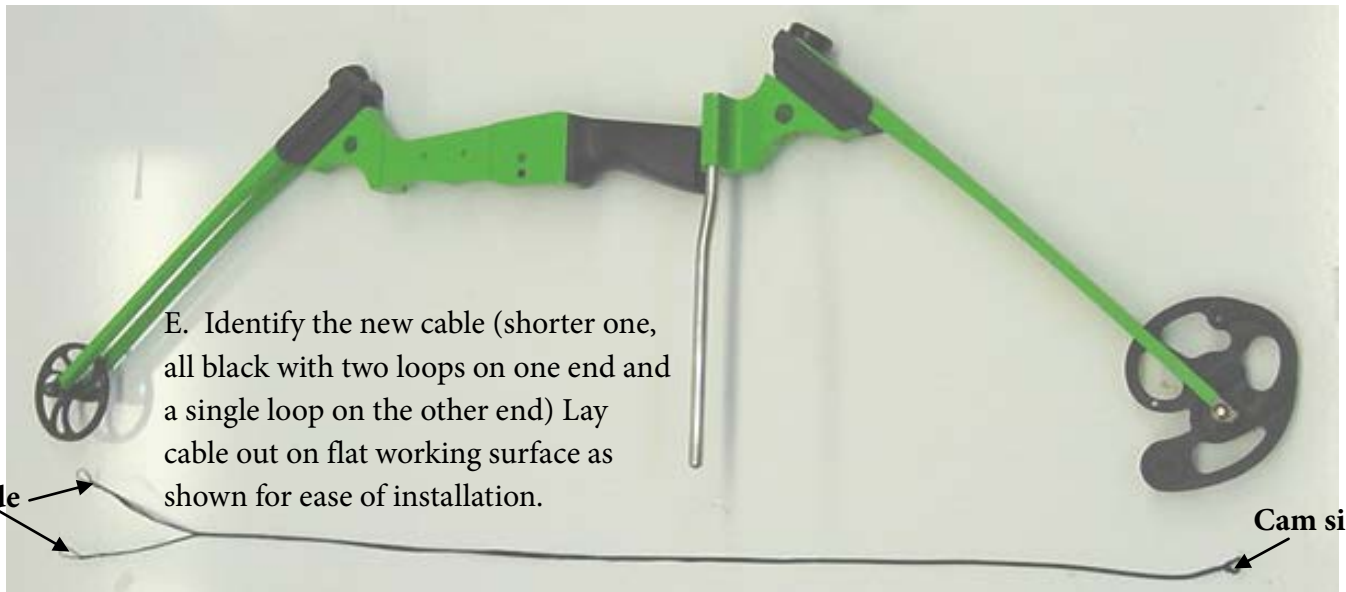
B. Identify **cable** - shorter and solid black, one side has a split yoke to attach to each side of idler wheel axle spools.



C. The bow was last in the sight window up position. Carefully turn the bow over into the **sight window down** position to prepare for new string and cable installation.

D. Carefully inspect limbs and limb pockets at this time to ensure that they are still carefully seated into the proper locations.

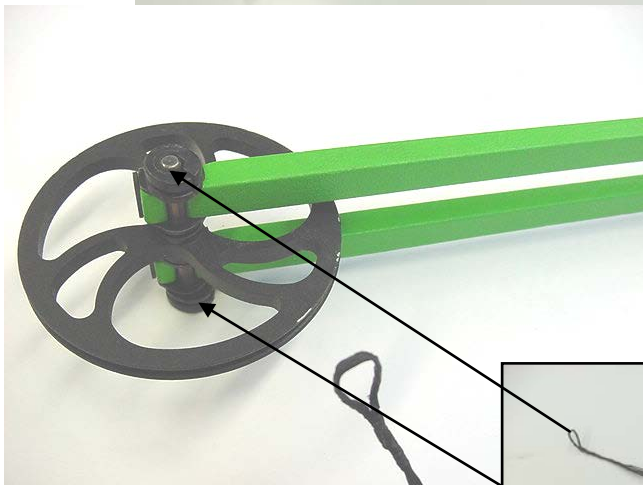
**\*\*Hint - Keep a completely strung Genesis bow nearby for reference should you need it.\*\***



E. 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.

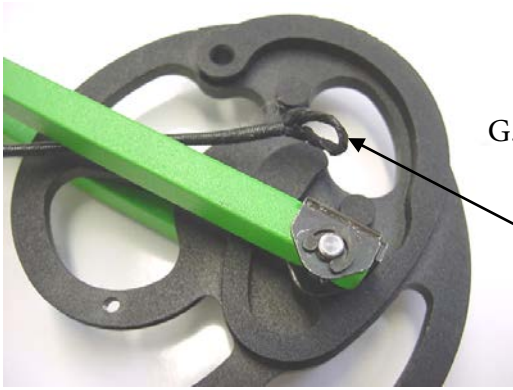
Idler side

Cam side

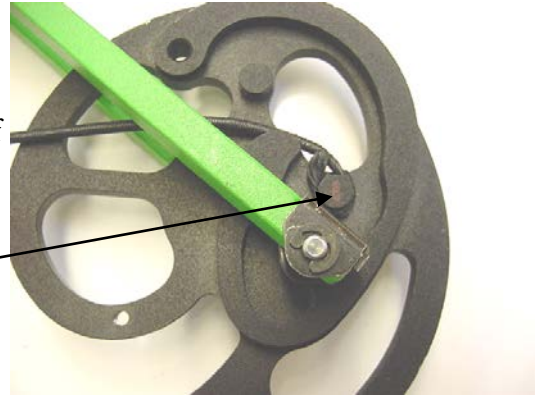


F. Start with the split yoke (two loop side) of the cable, install the loops over the black spools that attach to the upper axle. Carefully lift up on the idler wheel side and attach on the opposite side of axle spool.

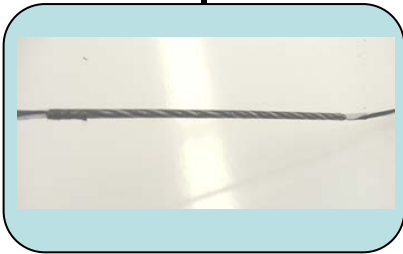




G. Install single loop side of cable onto cam post



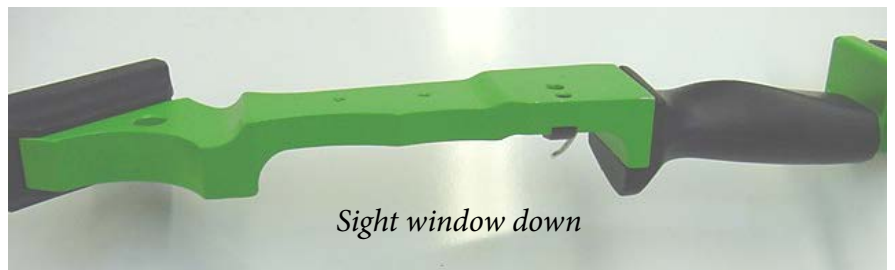
H. Identify the different sides of the string to insure the correct side is installed on the correct cam post.



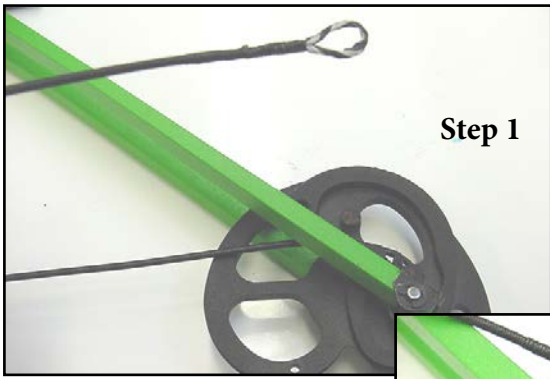
1. Identify the center serving portion of the bow string.  
*The center serving on a factory original Genesis string will measure 4 3/4" and be served with black and white material.*



2. 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.

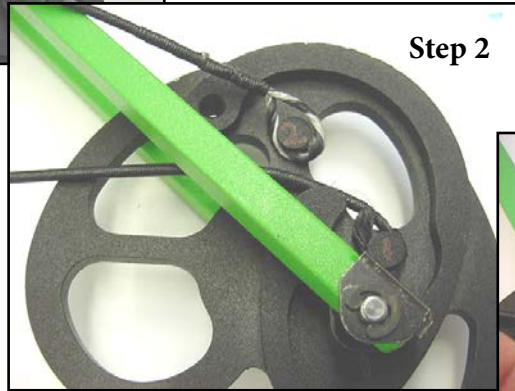


*Sight window down*

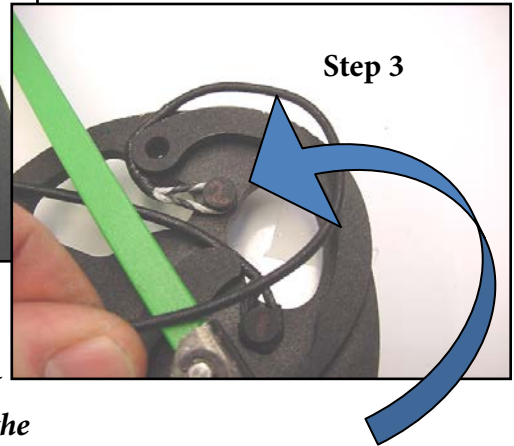


Step 1

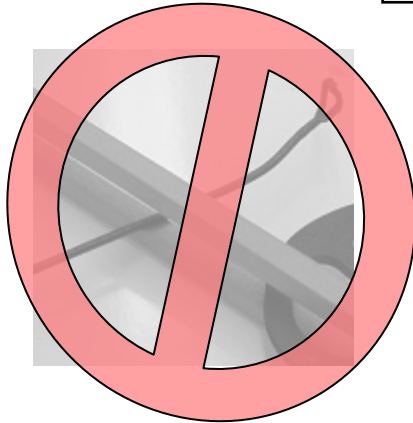
I. Now that you have identified the loop that needs to be installed, the chosen end will NOT go through the limbs as the previous cable did, install this loop to the outside.



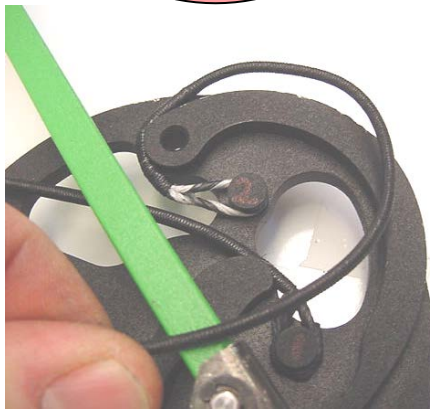
Step 2



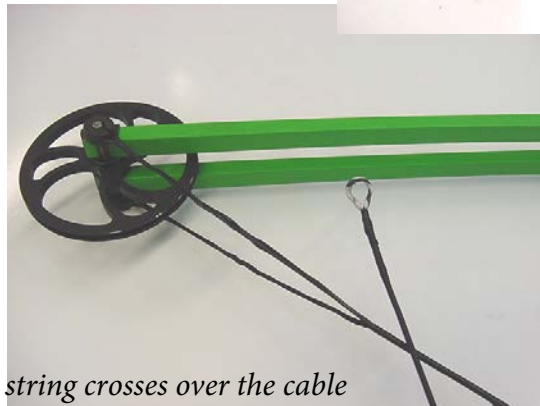
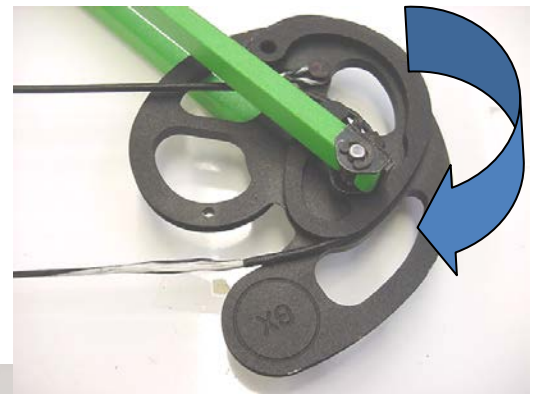
Step 3



**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**

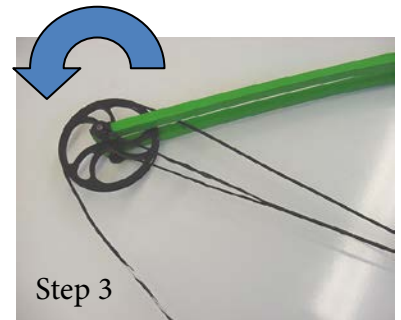
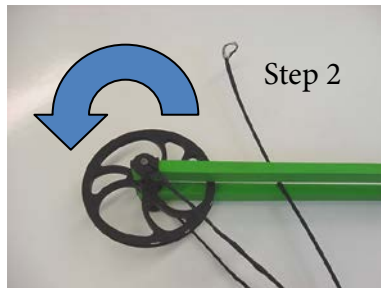
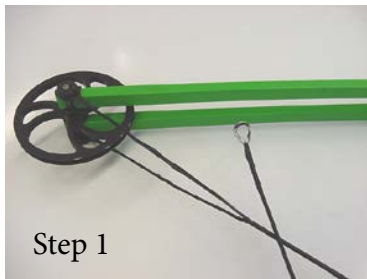


J. After installing loop on cam peg, carefully wrap string around the track groove heading back towards the idler wheel. Make sure the string crosses over the cable (shorter, solid black) as you are headed back towards the idler wheel side of the bow.

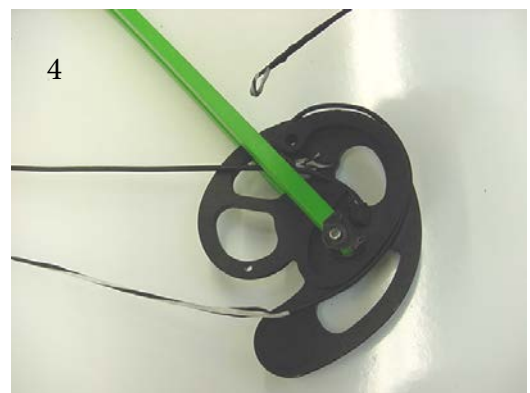
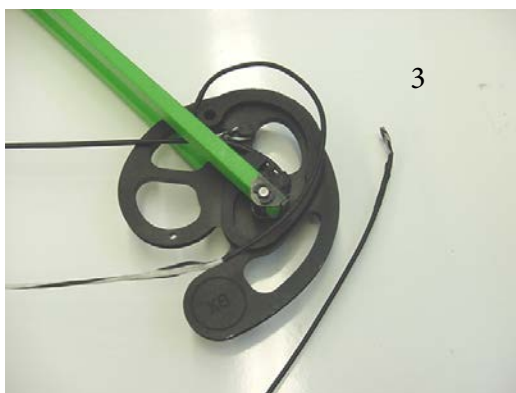
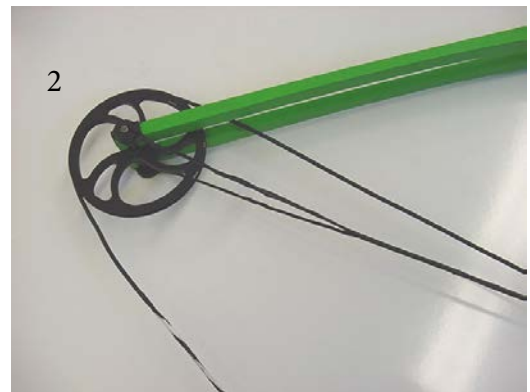
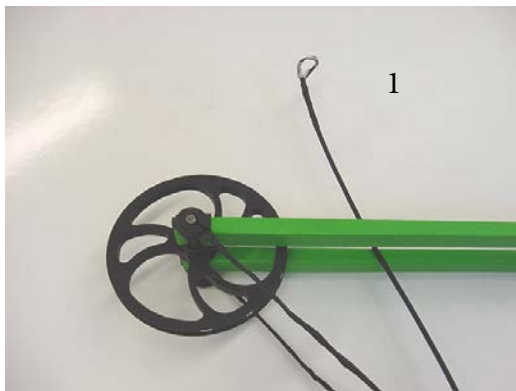


*The string crosses over the cable*

H. Thread string through the idler wheel.



I. Take string from idler wheel back to the cam.



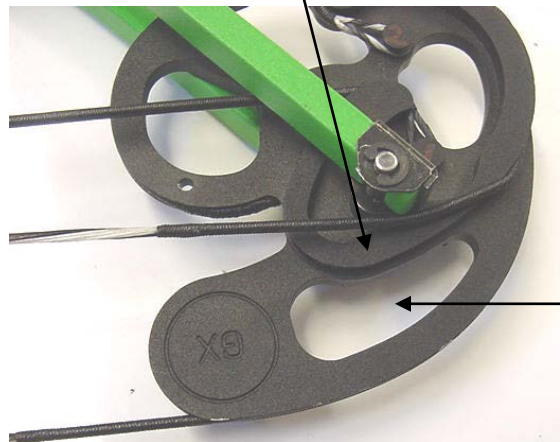
J. Insert string through limbs from the back side, string should pass **under** the string and cable that is already installed.



K. Gently lift up on cam side, 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.

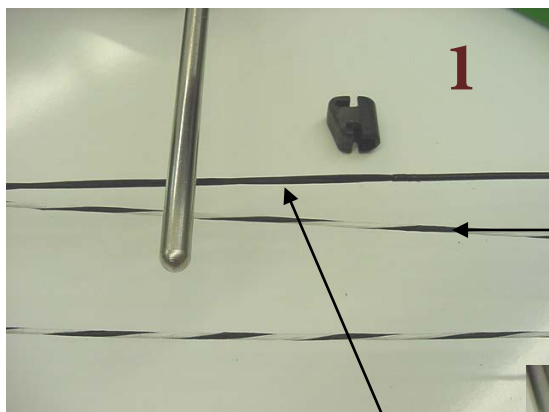


L. From this point, wrap string around counter-clockwise, keeping in mind that the other string and cable must be kept in place, if any string or cable is out of its track, gently lay string or cable back in its appropriate track.



M. 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.

## 5. Install the cable guard slide



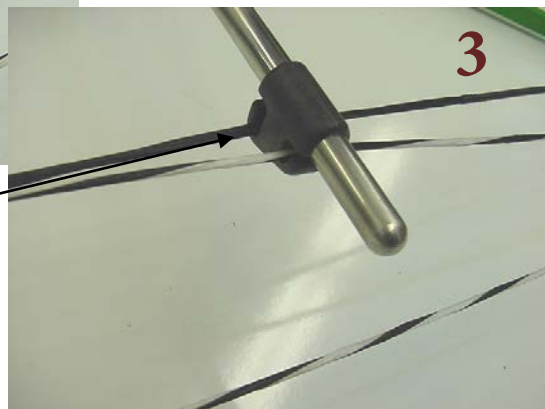
**STRING** (Black and white twist) When bow is positioned in the sight window down position, the cables and string must cross at the top of the cable guard as shown.

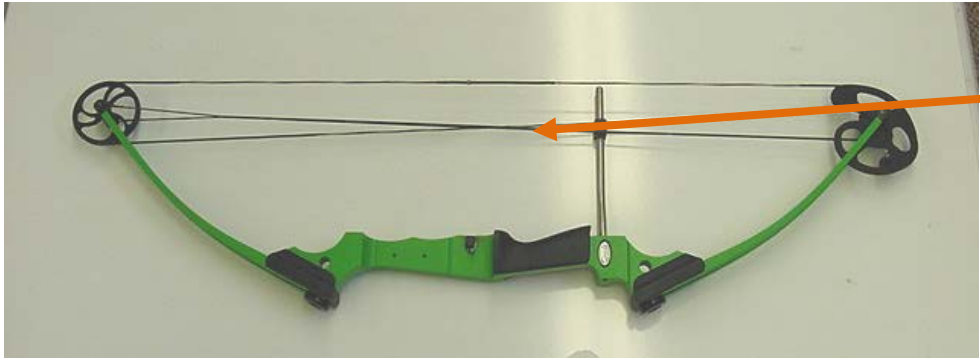


The cable guard slide has two different depths for string and cable. When installed properly, the cable will sit in the deepest side and string will sit in the shallow side



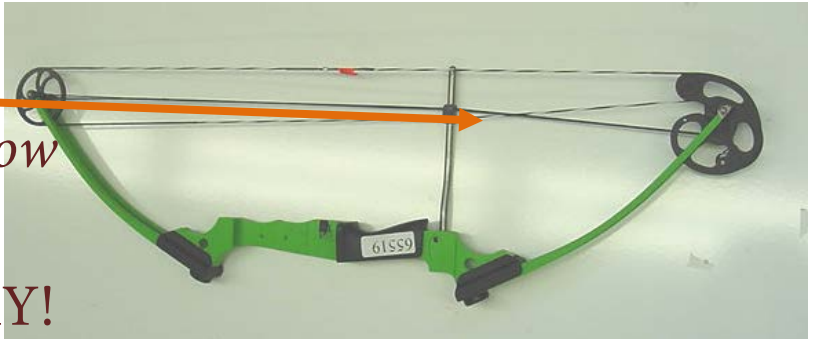
**CABLE** (solid black)





**CORRECT**  
cable and string  
cross *above* the  
cable guard

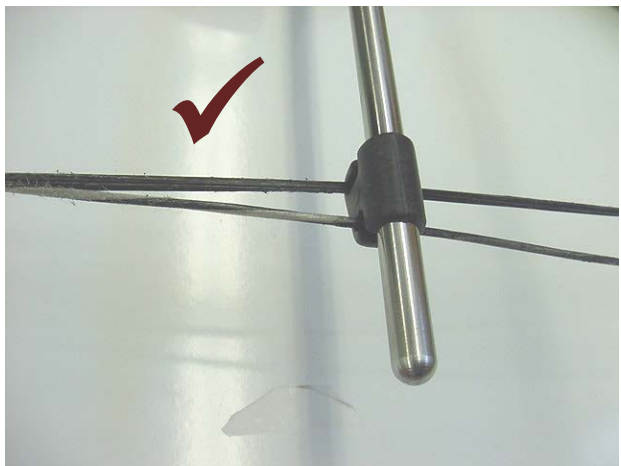
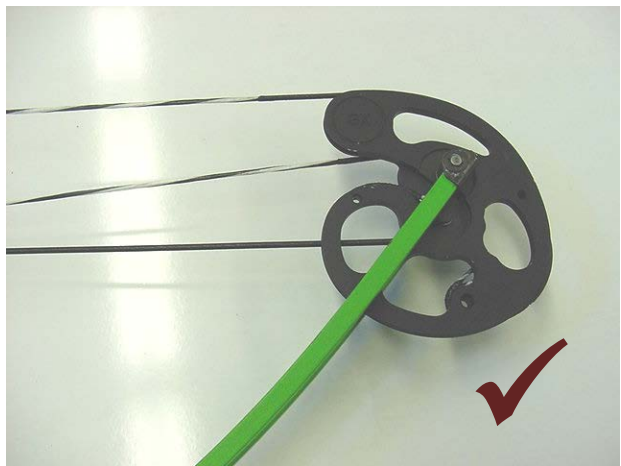
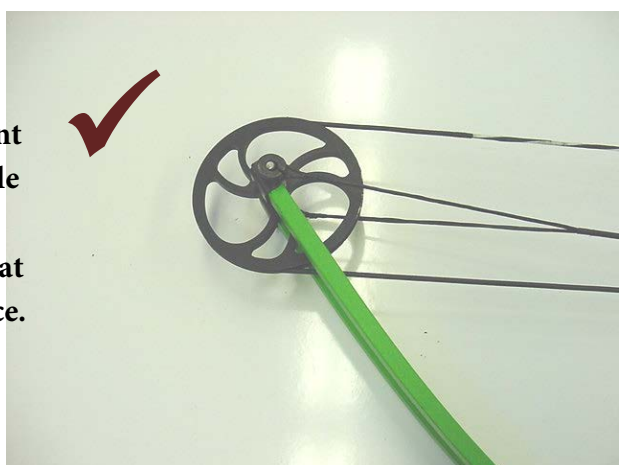
**INCORRECT**  
cable and string cross *below*  
the cable guard –  
**DO NOT USE THIS WAY!**

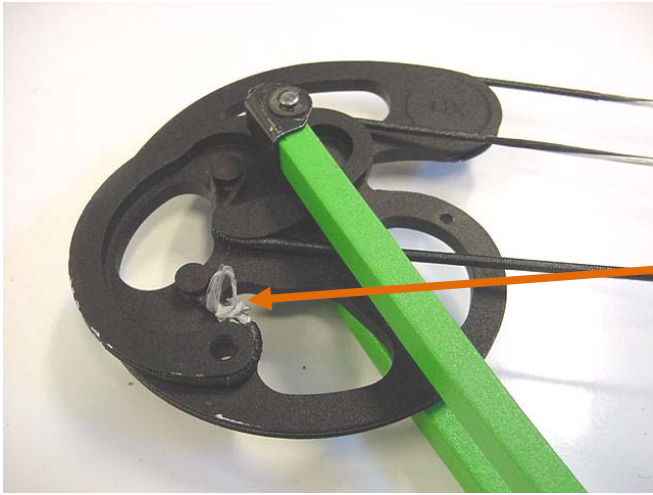


**6. Final Inspection of new string and cable**



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



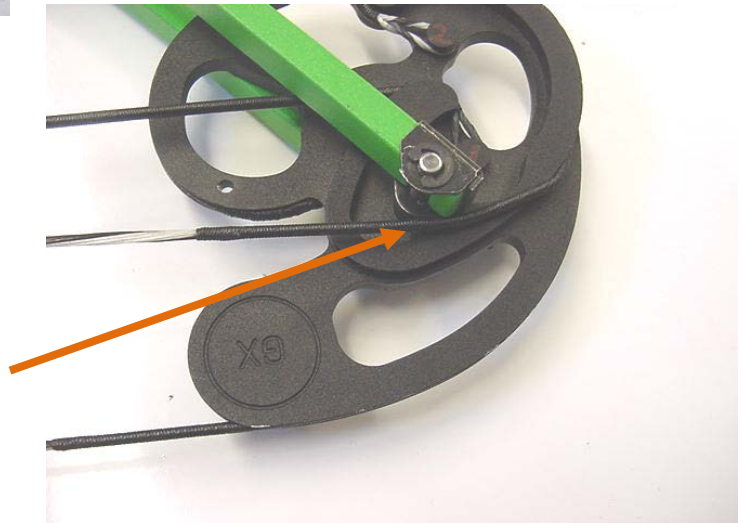


**DANGER!!!**

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 its track immediately. **DO NOT SHOOT ANY BOW THAT DOES NOT HAVE STRING IN ITS TRACK.**



### 7. Preparing bow for use with new string and cable



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



**String and Cable replacement is complete!**

## Tying the string nock locator

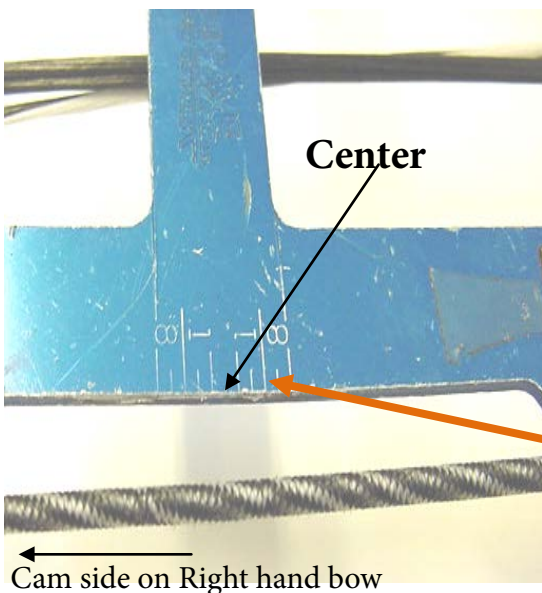
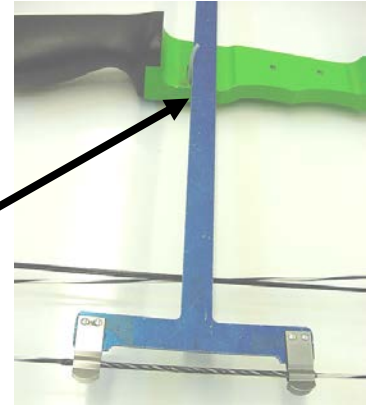
We recommend that you do not use a brass nock point. If a brass nock point were to ever loosen up or not be installed tight enough to begin with, damage or injury may occur.



Using the tied nock locator as directed in this section is beneficial because these lead to significantly less string wear and are easier to remove.

1. Going back to your flat working surface or table, place bow in the sight window up position and fasten the bow square to the string.

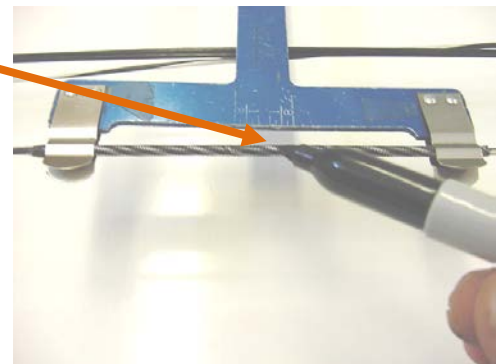
Make sure that the bow square sits on the arrow rest in the same manner an arrow does. This is very important so that the nock locator is positioned correctly.



2. To the left is a photo of the measurement markings that you will commonly find on a bow square.

Using a permanent marker, mark the string at 1/8" above the center line.

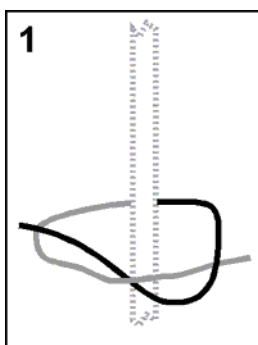
1/8" above center  
(on a right hand bow)



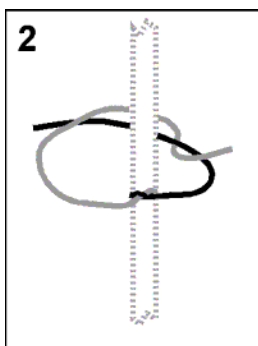
3. Next step is to either utilize a roll of fast flight material to be used as nock point material or cut strand from an old string or cable you have replaced. Cut an 18" piece of material to use to tie the nock locator.



4. Start from the mark on the string and work your way up the string tying standard knots from front to back as shown in the drawings below.

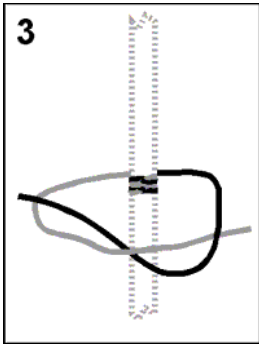


1. Wrap the piece of serving material around the bow string and begin as if you were tying your shoe. You're going to tie the first half of a square knot, stop, and pull the ends snugly by hand.

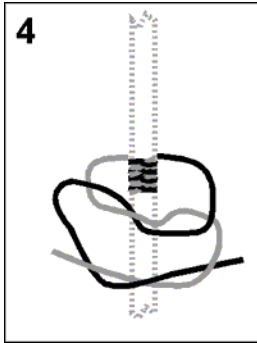


2. Take the two string ends around the back of the bow string and repeat the process on that side. Make sure to cross the strings in the same direction as you did on the front to keep the nock looking neat. If you went right-over-left on the front, do the same on the back. Pull the ends snug by hand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



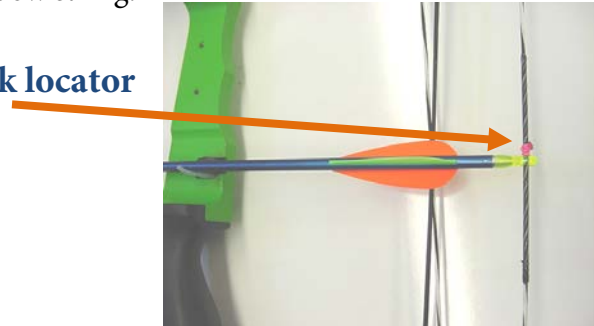


3. Bring the ends around the front again and repeat. Continue this process until you've completed a series of four 'ties' on the front of the string and four on the back.



4. 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. Cut or burn the excess string off as close to the knot as possible. Next, spread glue on the knot and nock locator to harden it and keep things tight. **DO NOT** allow the glue to soak through to the center serving or bow string.

**Finished nock locator**



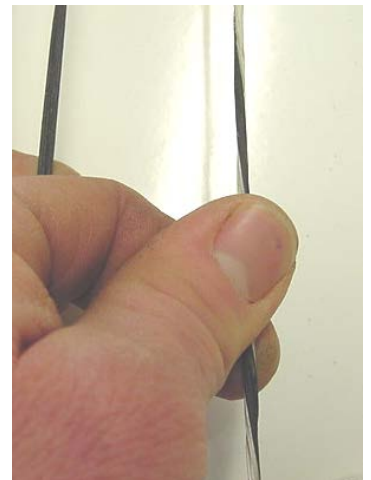
## String and Cable Maintenance



**Keeping the string and cable waxed with a light coating of wax after each shooting session will greatly increase the life of your string and cable.**



**After you have applied a light coat of wax on the string and cable, gently work the wax into the string and cable with your fingers.**



# Now you are ready to shoot!