

Twisted your limb?

Don't panic!
No Problem.
Easy Fix.

Avoid it in the future with proper
stringing technique.



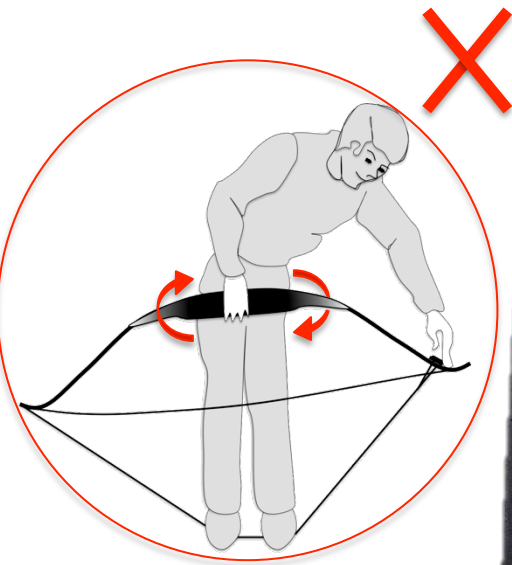
Twisted Limb Guide (Quick & Easy Fix)

Foreword:

The limbs on your new *Blacktail* bow have been carefully designed with premium old-growth bamboo cores, veneers and pre-stressed fiberglass laminations (measured within 1/1000" tolerances – for optimal stability and performance. When they leave our workshop you can be sure they have been perfectly matched and carefully tested to meet our strict quality control standards.

Twisted limb - Why does it occur?

Although a twisted limb is relatively uncommon, archers should familiarize themselves with how to avoid it and how to correct it, should it occur.



A twisted limb generally occurs as a result of improper stringing technique.

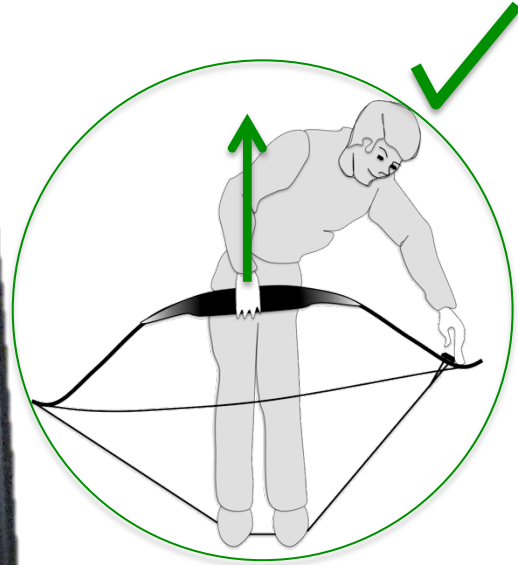
If the bow 'stringer' (provided with your bow) is used to string your bow, this eliminates most of the risk of twisting a limb. However, if the riser is torqued (twisted) while it is being pulled up vertically during the stringing process, this can create a slight twist in the limb. Although this is easily corrected, it can be avoided simply by exercising proper technique while stringing your bow.



Is my limb damaged?

No. In most cases, a twisted limb is easily corrected and (once corrected) will not result in any damage to the limb or any adverse performance issues.

The good news is that the limbs are very resilient. A slight twist will not harm them or shorten their lifespan in any way. Should a twist occur, they simply need to be re-centered/straightened.



Avoid limb twist - string your bow properly.

It is very important to use a bow stringer and to ensure the riser (handle) is pulled straight up vertically (**with no lateral torque**) during the stringing of your bow.

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TWIST LIMB BACK INTO CORRECT STATE OF EQUILIBRIUM:

To reset your limb to the proper state of equilibrium, the tip of limb must be twisted (in the same direction the string must move).

In this example, the string must move to the right in order to be centered in string groove.



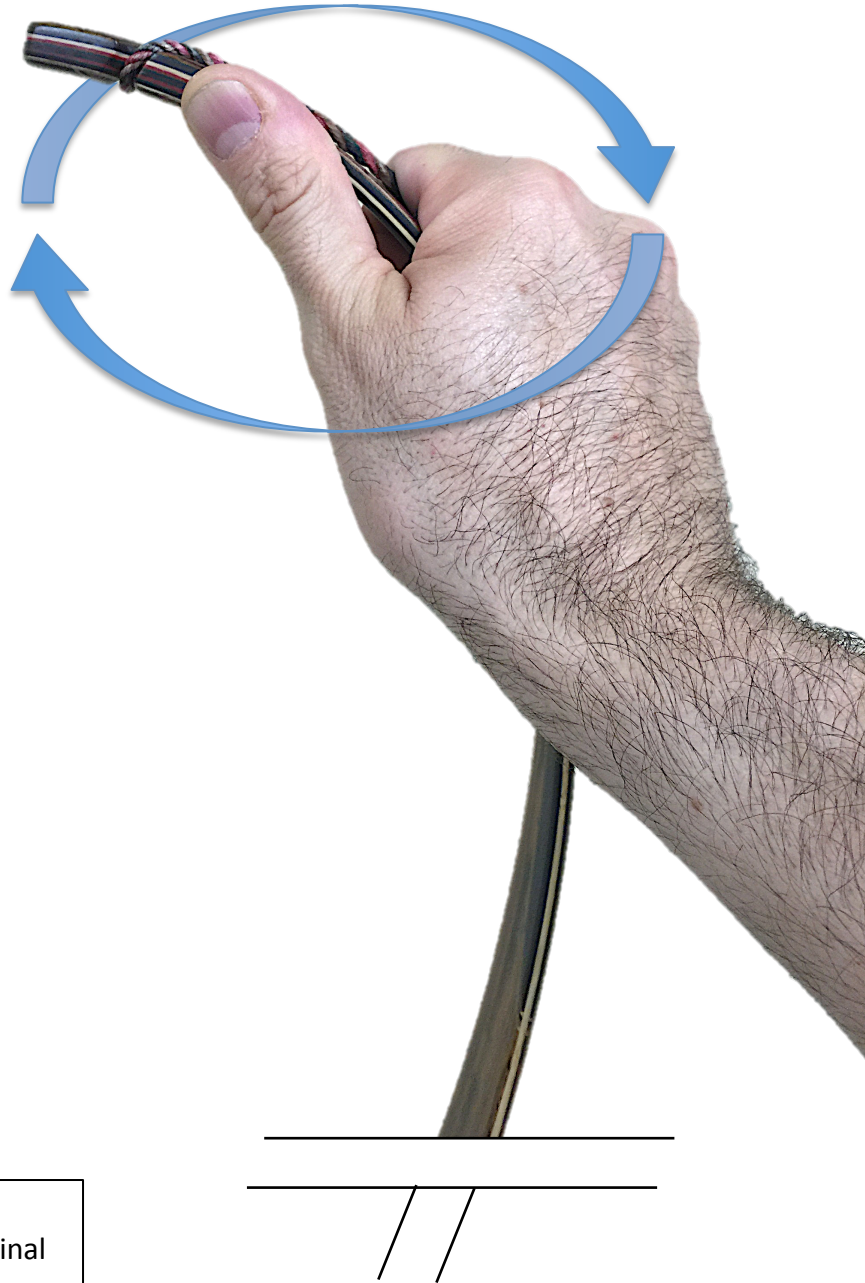
**Follow the step-by-step guide
on the following page and
reset your limbs in a matter
of minutes.**



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TWIST LIMB BACK INTO CORRECT STATE OF EQUILIBRIUM:

1. Carefully string the bow, making sure to firmly secure the string with your tightly-gripped hand (as shown). Hold the riser (handle) firmly with your other hand and support the opposite limb tip against the inside step of your foot. **Keep the limb tips facing away from your face!**
2. Over-twist the limb (with ample force) in the opposite direction until the limb is level/straight. Check your progress using the long string groove in the belly of the limb.
3. Carefully draw the bow (slightly) until the string lifts out of the groove. When you slowly let the string down, it should rest centered in the bottom of the groove. Repeat the twisting process as needed until the string falls exactly centered in the bottom of the groove.
4. Shoot the bow and re-inspect the location of the string periodically. If it is centered. You may resume shooting, confident it has reset.



PROBLEM SOLVED:

Your limb will naturally seek out its original balanced state of equilibrium. Once you have fully corrected the twisted limb, it should be reset and stable once again.

Avoid the problem in the future – use proper technique when stringing your bow.