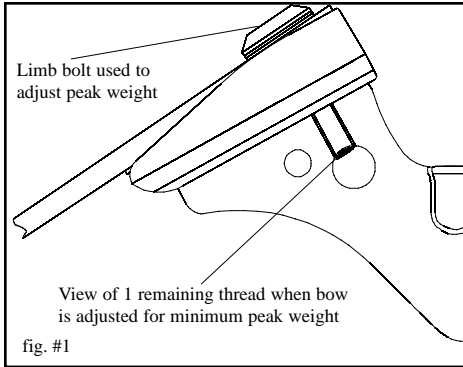


DARTON RANGER II & III

A Technical Bulletin

The total useable peak weight adjustment range of the Ranger is 15 - 45 pounds. There are 2 different peak weight setups, each with a useable 15# adjustment range. The total useable draw length range is 17 - 28 inches, 17 - 26 1/2 inches with the power cable on post A and 19 - 28 inches with the power cable on post B.



Whenever the limb bolts are backed out (CCW) to reduce peak weight be sure to inspect the number of threads remaining on the bolts when viewed through the hole in the riser (fig #1). There should be a minimum of one (1) exposed thread to be safe.

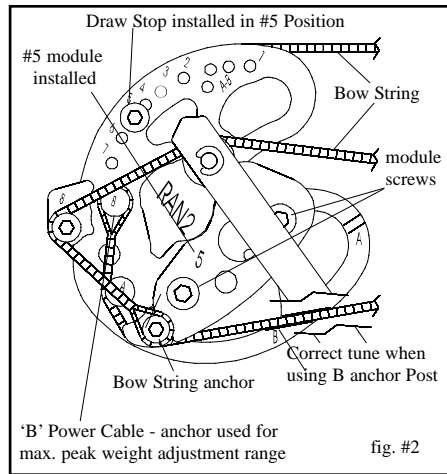
The bow is shipped with the #5 module installed and power cable anchored on the B post (fig #2). With the power cable anchored on the B post you get the longest draw length for each module and highest possible peak weight. By anchoring the power cable on post A the draw length is decreased 1 1/2 inches (fig. #3) and the peak weight adjustment range is decreased by 10 pounds. To change peak weight using the power cable you need to put the bow in a bow press and remove the tension from the cables.

When the bow is set up with the power cable on the A post the power cable should line up with the A tune marks (fig #2) to get the listed draw lengths (fig #4). When the bow is set up with the power cable on the B post the power cable should line up with the B tune marks (fig #3) to get the listed draw lengths (fig #5).

There should be no need to make any adjustments to the bowstring or cable when changes are made at the power cable anchor post or when changing modules.

The draw length is changed in one (1) inch increments by changing modules and locating the draw stop in its corresponding hole as noted on the cam. To get

the minimum draw length you would use the #2 module and locate the draw stop in its #2 location. By changing to the #3 module and moving the draw stop to the #3 location you increase the draw length one (1) inch. The modules will continue to add 1" of draw length to the bow when used in this manner (fig. #4 & #5). The number that identifies the draw length module when installed will be visible on the module (fig. #2 & #3).



When the draw length module and draw stop match by number you are getting the listed draw length.

Do not draw the bow back without the draw module installed. Damage to the bow, bowstring or ones self could result.

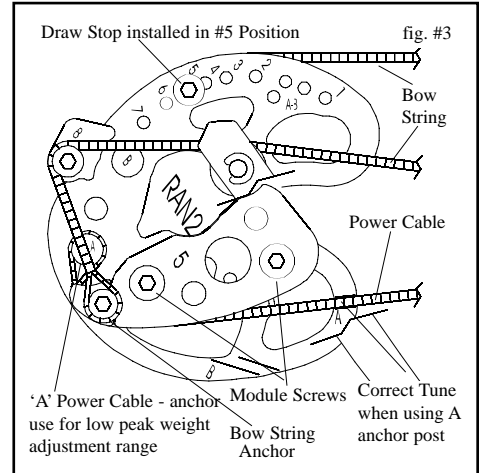
Any changes to the bowstring or power cable to increase the peak weight of the bow beyond its advertised limits voids the warranty and make the bow unsafe..

High Let-off Modules

Fig #4 - Draw lengths with Power Cable anchored on post 'A'.

Usable peak weight = 20 - 35#

- #2 module = 20 1/4"
- #3 module = 21 1/4"
- #4 module = 22 1/4"
- #5 module = 23 1/2"
- #6 module = 24 1/2"
- #7 module = 25 1/2"
- #8 module = 26 1/2"



High Let-off Modules

Fig #5 - Draw lengths with Power Cable anchored on post 'B'.

Usable peak weight = 25 - 45#

- #2 module = 22"
- #3 module = 23"
- #4 module = 24"
- #5 module = 25"
- #6 module = 26"
- #7 module = 27"
- #8 module = 28"

The Universal Draw Modules 1A & 1B are also included with the bow. Darton's Innovative Universal Module technology eliminates the need for specific draw length adjustments by offering a smooth useable draw length valley of 17 - 27". An adjustable positive draw stop (fig #2) is featured to insure the safe use of short arrows. The draw stop also provides a definite stop for those archers that may want to adjust the bow to their individual draw length.

1A Module installed, use post A to anchor the power cable;
Peak weight 12# - 25#, Draw length 17 - 25"

1B Module installed, use post B to anchor the power cable;
Peak weight 25# - 40#, Draw length 19 - 27"

Note: A bow press is not required to changed modules

Refer to the [Service Manual](#) for other pertinent information that is important for safe and correct use of your bow. For additional warranty or tuning information visit our web site www.dartonarchery.com or call Darton Service at 989-728-9511. To order parts, draw length modules or Darton Apparel call Darton Service at 989-728-4231.