2020 DualSync Tempest XT-3D/LD TECHNICAL BULLETIN_ 010520R5

Each **DualSync** bow has an adjustable peak weight range of up to 10 pounds. Be sure the (2) screws used to lock each of the pivoting limb pockets in place are loosened (1/2 turn). After you are certain all adjustment locking screws have been loosened, tighten limb bolts **C**lock **W**ise (**CW**) so the limbs are evenly adjusted. Count the bolt turns while tightening the limbs for later reference if you want to readjust the limbs. A maximum of 5 **C**ounter **C**lock **W**ise (**CCW**) turns from tightened position is recommended; more than 5 **C**ounter **C**lock **W**ise (**CCW**) turns will cause the screws to bind in the adjustment slot at the side of each limb pocket and may cause damage to the bow. Be sure to re-tighten all adjustment-locking screws when limb adjustment is completed. **DualSync Cams covered by patent 6,990,970**

No bow press is required to change the draw lengths of **D**ua**lS**ync bows. The only requirement is a 9/64 Allen Wrench to **adjust the modules**. Refer to the accompanying chart to determine the correct adjustment for the required draw length. There is no need to retune the bow after the draw length is changed, enhanced by the use of the **NEW ACURA CABLE SLIDE**. If cables and/or cable guard slide are removed for any reason, be sure to replace the cables in their original positions; as this will affect the way the power cables and yoke cables track in their respective grooves.

DARTON has included their patented **Tuning Mark System** on all **D**ua**lS**ync bows to assist the individual shooter to achieve optimum performance. By lining up the power cables between the **Tuning Points** (dots) on each cam, you can achieve the advertised draw lengths and performance. The cable lengths are adjusted by placing the bow in a press to remove tension from the cables. The cables are then adjusted by twisting to make them shorter, untwisting to make them longer. If they are not lined up or in the same relative position on each cam, you will lose some draw length and stored energy. Be sure the axle-to-axle measurement is checked after the bow is tuned. The correct axle-to-axle measurement will assure excellent performance**.**

Darton's Quad Limb design coupled with its **D**ua**lS**ync Cam System provides a new level of smoothness and Shootability not before obtainable. This has been enhanced with the use of **DARTON's low mount Bowstring Suppression Unit. The bumper should be adjusted to just touch the bowstring.** If there is too much of a gap between the rod end and the inside of the bumper, your bowstring may be deflected and slide off the bumper. The **BNSS** is adjusted by loosening its jam nut and then screwing the rod in or out according to the position of the bumper relative to the bowstring. **Anytime the limbs are adjusted, an adjustment should be made to the BNSS for correct bumper position relative to the bowstring.** Apply bowstring wax to the bowstring in the area that aligns with the suppressor bumper for best results.

An additional 5/16-24 threaded hole is provided below the Bowstring Suppression Unit for mounting additional accessories such as a counter balance system or field camera.

DARTON's Progressive **T**orque **R**eduction Fiber Glass Cable Guard Rod is designed to enhance the shootabilty of your DS Series bow. By flexing inward as cable tensions increase during your draw cycle it allows more rod offset for better vane clearance when your vanes pass the cables. You do not have to adjust the cable guard rod in or out to compensate for any change in peak weight adjustment or draw length.

Darton offers 2 different set of grips as accessory options for those who prefer a different grip feel. Also available as an accessory is a set of 3 different draw stop tab sets that allow adjustment of the let-off from 80 to 85% with minimum change to the draw length.

There is a pulley mounted on the axle, outboard of the lower limb, that can be used to anchor the cord provided with most drop away arrow rest.

If there is any noise caused from the draw stop contacting the power cable, or if you choose to soften the feel of contact, position one of the felt adhesive-backed pads included with each accessory package on the end of the draw stop.

In addition to the draw lengths listed below there is a ½" adjustment between each numbered adjustment., i.e. 1.5. 2.5, 3.5, 4.5, 5.5 & **6.5.** Draw lengths are approximate using #1 draw stop tab.

Adjustment	#1	#2	#3	#4	#5	#6	Axle – Axle	Brace Height w/100 pounds tension	Bowstring	Power Cable
Model	Draw lengths									
Tempest XT-3D/LD	27"	28"	29"	30"	31"	32"	36	6 5/8"	63.0"	34 1/8"

Bowstrings and Power Cable measurements are with twist. Add or subtract twist in Power Cables to get correct tune.
Yoke cables for the Maverick XT-3D/LD measure 14". Axle – Axle tolerance is +/- 1/16".

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.

Before pressing bow, back limbs out 4 turns from MAX setting. Darton's warranty does not cover damage to any bow caused by improper use of a bow press.