2016 DualSync 4800 3D TECHNICAL BULLETIN, 121615R9

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 4 **C**ounter **C**lock **W**ise (**CCW**) turns from tightened position is recommended; more than 4 **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 **DualSync** bows. The only requirement is to replace the modules. Refer to the accompanying chart to determine the correct module for required draw length. There is no need to retune the bow after the draw length is changed. 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 cable track in their respective grooves.

DARTON has included their patented **Tuning Mark System** on all **DualSync** bows to assist the individual shooter to achieve optimum performance. By lining up the power cables between the tuning lines 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 DualSync Cam System provides a new level of smoothness not obtainable before. 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 **BSSU** is adjusted by loosening its jam nut and then rotating the rod in or out accordingly to position the bumper relative to the bowstring. **Anytime the limbs are adjusted, an adjustment should be made to the BSSU 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.

DARTON's NEW Progressive **T**orque **R**eduction cable guard rod is designed to enhance the shootabilty of your DS Series bow. By reducing torque to the limbs as cable tensions increase during your draw cycle and allowing more rod offset for better vane clearance, you will notice the advantages right away. To take maximum advantage of this design be certain your cable rod is adjusted to allow the cable slide to move in toward the center of the bow during your draw cycle. If your limbs are backed out to reduce peak weight you may have to adjust the cable guard rod out to compensate for the change in brace height.

Each DualSync bow includes a 2nd set of grips for those who prefer a smoother, smaller feel.

In addition to the draw lengths listed below there are also ½" modules available, i.e. 1.5. 2.5, 3.5, 4.5 & 5.5

The DS 4800 3D comes with draw stop adjustment modules that changes the let-off down to 65%, while the draw length is shortened approx 1/8". 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.

Modules - Model	#0.5"	#1	#2	#3	#4	#5	#6	#6.5	#7	Axle – Axle	Brace Height	w/100 pounds tension Bowstring	Power Cable
	Draw lengths												
DS 4800 3D-80%		24.5"	25.5"	26.5"	27.5"	28.5"	29.5"	30"	30.5"	36 5/16"	6 1/2"	60 7/8"	34"
DS 4800 3D-65	24"	24.5	25.5"	26.5"	27.5"	28.5"	29.5"	30"					

Bowstrings and Power Cable measurements are with twist. Add or subtract twist in Power Cables to get correct tune.

Yoke cables for 4800 measure 14 1/2". Axle – Axle tolerance is +/- 1/16".

Refer to information provided with each bow on the correct use of a bow press.

Darton's warranty does not cover damage to any bow caused by improper use of a bow press.