

## 2010 TB40 DualSync TECHNICAL BULLETIN, 111713R2b

Each **DualSync** bow has an adjustable peak weight range of 10 pounds. To make an adjustment to peak weight **first** make sure the setscrews in the limb washers are not tight. Next you need to 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, you want to tighten your limbs **Clock Wise (CW)** to be sure they are adjusted evenly. Count the bolt turns when you tighten the limbs down so you know where you started. A maximum of 4 **Counter Clock Wise (CCW)** turns from the tightened position is recommended; more than 4 **Counter Clock Wise (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. CPS - DualSync Cams covered by patent 6,990,970

No bow press is required to change the draw lengths of a **DualSync** bow. All you need to do is swap modules. Refer to the accompanying chart to determine the correct module for your draw length. There is no need to retune the bow after the draw length is changed. If you have occasion to remove your cables or cable guard slide be sure to replace them in their original positions as it will affect the way the power cables track in their respective draw stop grooves.

The **TB SERIES DualSync** bows include a provision for an adjustable draw stop on the upper cam. This draw stop accessory allows you to vary the draw length and/or let out in small increments. As you decrease the draw length, the amount of let-off will also decrease. With an adjustment of approximate 1/4 inch, you can vary the let-off from 65% to 75%. It is recommended that the draw stop be positioned in its slot, loose enough that it can slide, short of the desired draw length. Once you draw the bow and the draw stop has slid to its desired position let the bow down and tighten the draw stop. Having only one draw stop is not a problem with the **DualSync** cam design. When one cam stops the other cam stops, no option. If there is any noise caused from the draw stop o-ring contacting the limb, 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 upper limb at the point of contact.

**DARTON** has included their patented **Tuning Mark System** on all **DualSync** bows to assist the individual shooter/tuner in getting optimum performance. By lining up the power cables between the tuning lines on each cam, you will get the advertised draw lengths and performance. The cable lengths are adjusted by first putting the bow in a press to remove tension from the cables. The cables are then adjusted by twisting to make them shorter and 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. The shoot-ability will remain the same. Be sure the axle-to-axle measurement is checked after the bow is tuned. The correct measurement will assure good performance.

**A complete set of draw length modules are shipped with each bow. The chart below list the draw length for each module set when used.**

module	#1	#2	#3	#4	#5	#6	Axle – Axle	Brace Height
TB40 Draw length	25"	26"	27"	28"	29"	30"	34 5/8"	6 1/2"
w/100 pound tension	Bowstring		Power Cable					
	58 5/16"		39 3/8"					

Bowstrings and Power cable measurements are without twist. Add (8-16) twist to get correct tune.