

# 2019 DualSync TEMPEST e-3D TECHNICAL BULLETIN, 110618R2

The Tempest e-3D uses a unique cable and yoke system that equalizes the torsional stress in the limbs. This results in a more forgiving bow to shoot. With yoke cables anchoring at the axle, outside of the limbs, it maximizes the balancing effect of the yoke system while reducing the load on the cam bearings. These features also make for an easier bow to service and tune.

## Equalizing yoke system covered by patent 8,826,894 B1

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 **Clock Wise (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 **Counter Clock Wise (CCW)** turns from tightened position is recommended; more than 5 **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.

## DualSync Cams covered by patent 6,990,970 & 8,662,062 B2

No bow press is required to change the draw lengths of **DualSync** bows. The only requirement is to have a 1/8" hex wrench to loosen and tighten the adjustable module screws. Refer to the accompanying chart to determine the correct module adjustment for the 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 cables 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 **BNSS** is adjusted by loosening the set screw used to lock the rod in place. Slide the rod in or out accordingly to position the bumper relative to the bowstring and retighten the set screw. Apply bowstring wax to the bowstring in the area that it 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 Torque Reduction Fiber Glass Cable Guard Rod** is designed to enhance the shootability 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. A set of Draw Stop Tabs are also available for small adjustments to the module draw stops as an accessory option.

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 1/2" adjustment between each numbered adjustment. There is also an adjustable limb stop located on the perimeter of the cam that allows fine-tuning of the draw length and let-off. It is recommended you use only one limb stop.

Adj. mark w/G1 module	#1	#2	#3	#4	#5	#6	Axle – Axle	Brace Height	w/100 pounds tension	
									Bowstring	Power Cable
<b>Tempest e-3D</b>	25"	26"	27"	28"	29"	30"	36"	6 1/2"	57 15/16"	32 3/16"

Bowstrings and Power Cable measurements are with twist. Add or subtract twist in Power Cables to get correct tune. Axle – Axle tolerance is +/- 1/16".

For additional warranty or tuning information visit our web site [www.dartonarchery.com](http://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.**

## 2019 Demon DualSync TECHNICAL BULLETIN, 090518R3

Each **DualSync** bow has an adjustable peak weight range of 10 pounds. To adjust peak weight, **first** tighten your limb bolts down to be sure the limbs are evenly adjusted. Count the turns when you tighten the limbs down so you know where you started. A maximum of 5 **Counter Clock Wise** turns from the tightened position is recommended, more than 5 turns and the bow will not perform as advertised. Too many turns and the bow could become un-safe. An inspection hole shows the amount of threads remaining at the end of each limb bolt. Do not shoot the bow unless at least one thread is visible.

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

**Demon DualSync** bows include an adjustable draw stop on the upper cam. This draw stop allows you to vary the draw length and/or let-off in small increments **after the modules are adjusted**. As you decrease the draw length, the amount of let-off will also decrease. With an adjustment of approximate ¼ 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. The Demon also features a **cam stabilization system** that eliminates cam lean. 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. **DualSync Cams covered by patent 6,990,970, other patents pending.**

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 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 set screw and then moving 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 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.

**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.

**Loosen the 3 bolts on each module to adjust. Position the module pin in the correct hole for your draw length. Re-tighten 3 bolts. The chart below list the draw length for each module adjustment.**

module location #1	#1.5	#2	#2..5	#3	#3.5	#4	Axle – Axle	Brace Height	w/100 pound tension		
			Draw length						Bowstring	Power Cable	
Demon	27"	27.5"	28"	28.5"	29"	#29.5"	30"	30"	7 "	57 3/8"	34 7/16"

Bowstrings and Power Cable measurements are with twist. Add or subtract twist in Power Cables to get correct tune. Axle – Axle tolerance is +/- 1/16".

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**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.**

# 2019 DualSync Spectra e TECHNICAL BULLETIN, 092518R9

The Spectra E uses a unique cable and yoke system that equalizes the torsional stress in the limbs. This results in a more forgiving bow to shoot. With yoke cables anchoring at the axle, outside of the limbs, it maximizes the balancing effect of the yoke system while reducing the load on the cam bearings. These features also make for an easier bow to service and tune.

## Equalizing yoke system covered by patent 8,826,894 B1

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 **Clock Wise (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 **Counter Clock Wise (CCW)** turns from tightened position is recommended; more than 5 **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.

## DualSync Cams covered by patent 6,990,970 & 8,662,062 B2

No bow press is required to change the draw lengths of **DualSync** bows. The only requirement is to have a 1/8" hex wrench to loosen and tighten the adjustable module screws. Refer to the accompanying chart to determine the correct module adjustment for the 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 cables 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 **BNSS** is adjusted by loosening the set screw used to lock the rod in place. Slide the rod in or out accordingly to position the bumper relative to the bowstring and retighten the set screw. Apply bowstring wax to the bowstring in the area that it 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 Torque Reduction Fiber Glass Cable Guard Rod** is designed to enhance the shootability 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.

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 1/2" adjustment between each numbered adjustment. There is also an adjustable limb stop located on the perimeter of the cam that allows fine-tuning of the draw length and let-off. It is recommended you use only one limb stop.

Adj. mark	#1	#2	#3	#4	#5	#6	#7	w/100 pounds tension			
								Axle – Axle	Brace Height	Bowstring	Power Cable
								Draw lengths			
Spectra e	25"	26"	27"	28"	29"	30"	31"	32 5/8"	6.00"	60 7/8"	29 3/8"

Bowstrings and Power Cable measurements are with twist. Add or subtract twist in Power Cables to get correct tune. Axle – Axle tolerance is +/- 1/16".

For additional warranty or tuning information visit our web site [www.dartonarchery.com](http://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.**

Each **DualSync Pro Series** 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 **Clock Wise (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 **Counter Clock Wise (CCW)** turns from 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.

DualSync Cams covered by U.S. 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.

**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 Dual Mounted Bowstring Suppression System. The bumpers 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 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 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.

**DARTON's NEW SHOOT THROUGH RISER** offers the shooter features never before available. Because of the way the Dual Sync Cams and attached cables are utilized there is no torque introduced into the limbs or riser during the draw cycle. To take maximum advantage of this design the riser has been designed to minimize the effect the shooter can have on the shot. The grip has been designed for the precision shoot. One of the many attributes of the grip is the way it's as close, vertically, as practical to the center line of the arrow to minimize its effect on the shoot. Arrow/vane clearance has been maximized to allow the greatest choice of arrow set ups. The launch of the arrow was considered in its design to maximize the use of a blade type arrow rest, the choice of most precision shooters.

For those shooters that want a little more arm to cable clearance there is a **choice of 3 different cable slides**. The #2 slides are installed on the bow when shipped, the #1 slides increase vane clearance at the expense of some arm clearance, and the #3 slides give maximum arm clearance at the expense of some vane clearance. See what works best for you.

Available as an accessory is a set of 3 different draw stop tab sets that reduce the amount of let-off by 3-8%, with minimum change to the draw length. 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 module, on the draw stop.

There is a **secondary way to adjust the feel of the draw-stop/valley**. Perimeter slots on the cams allow you to **adjust the stops that make contact with the let-out cables**. This allows you to create the feel you want as you approach the stationary draw stops on the modules. The use of 1 cable stop creates a softer approach than the use of 2 cable stops.

In addition to the draw lengths listed below there are also 1" modules available, i.e. 1.5, 2.5, 3.5, 4.5, 5.5 & 6.5

Modules - Model	#0.5	#1	#2	#3	#4	#5	#6	#6.5	#7	Axle-Axle	Brace Height	Bowstring	Power Cable	Mass Weight
Vegas T (78%)		26.5"	27.5"	28.5"	29.5"	30.5"	31.5"	#32.0	32.5"	38 1/2"	8.00"	63 1/8"	42 1/2"	4.6 lbs.
Vegas T (65%)	26.0"	26.5"	27.5"	28.5"	29.5"	30.5"	31.5"	#32.0						

Add or subtract twist in Power Cables to get correct tune. Axle – Axle tolerance is +/- 1/16".

For additional warranty or tuning information visit our web site [www.dartonarchery.com](http://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.**

# 2019 DualSync Lightning XT TECHNICAL BULLETIN\_ 011419R7

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 **Clock Wise (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 **Counter Clock Wise (CCW)** turns from tightened position is recommended; more than 5 **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.

**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 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. 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 **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 **BNSS** is adjusted by loosening its set screw and then moving 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 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 Torque Reduction Fiber Glass Cable Guard Rod** is designed to enhance the shootability 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 1/2" 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 Model	#1	#2	#3	#4	#5	#6	Axle – Axle	Brace Height	w/100 pounds tension	
									Bowstring	Power Cable
Lightning XT	24.5"	25.5"	26.5"	27.5"	28.5"	29.5"	33	5 1/2"	60.0"	30 7/8"

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

Yoke cables for the Lightning XT measure 14". Axle – Axle tolerance is +/- 1/16".

For additional warranty or tuning information visit our web site [www.dartonarchery.com](http://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.**

# 2019 DualSync TEMPEST E-T TECHNICAL BULLETIN, 120918R4

The Tempest E-T uses a unique cable and yoke system that equalizes the torsional stress in the limbs. This results in a more forgiving bow to shoot. With yoke cables anchoring at the axle, outside of the limbs, it maximizes the balancing effect of the yoke system while reducing the load on the cam bearings. These features also make for an easier bow to service and tune.

## Equalizing yoke system covered by patent 8,826,894 B1

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 **Clock Wise (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 **Counter Clock Wise (CCW)** turns from tightened position is recommended; more than 5 **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.

## DualSync Cams covered by patent 6,990,970 & 8,662,062 B2

No bow press is required to change the draw lengths of DualSync bows. The only requirement is to have a 1/8" hex wrench to loosen and tighten the adjustable module screws. Refer to the accompanying chart to determine the correct module adjustment for the 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 cables 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 **BNSS** is adjusted by loosening the set screw used to lock the rod in place. Slide the rod in or out accordingly to position the bumper relative to the bowstring and retighten the set screw. Apply bowstring wax to the bowstring in the area that it 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 Torque Reduction Fiber Glass Cable Guard Rod** is designed to enhance the shootability 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. A set of Draw Stop Tabs are also available for small adjustments to the module draw stops as an accessory option, reduces let-off up to 5%.

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 1/2" adjustment between each numbered adjustment. There is also an adjustable limb stop located on the perimeter of the cam that allows fine-tuning of the draw length and let-off. It is recommended you use only one limb stop.

Adj. mark w/G2 Module	#.5	#1	#2	#3	#4	#5	#6	Axle – Axle	Brace Height	w/100 pounds tension	
			Draw lengths							Bowstring	Power Cable
<b>Tempest E-T 85% Standard</b>	26"	27"	28"	29"	30"	31"		37 1/4"	7 5/16"	59 1/8"	33 3/8"
<b>Optional 70%</b>	25.5"	26"	27"	28"	29"	30"	31"				

Bowstrings and Power Cable measurements are with twist. Add or subtract twist in Power Cables to get correct tune. Axle – Axle tolerance is +/- 1/16".

For additional warranty or tuning information visit our web site [www.dartonarchery.com](http://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.**

## 2019 **SPLASH** DualSync Fishing Bow TECHNICAL BULLETIN 112018R4

The **SPLASH** DualSync **FB** has an adjustable peak weight range. The **50 lb. PEAK WEIGHT** is adjustable 35 – 50 lbs. To adjust peak weight first tighten your limb bolts down to be sure the limbs are even. Count the turns when you tighten the limbs down so you know where you started. A maximum of 7 **Counter Clock Wise** turns from the tightened position is recommended, more than 7 turns and the bow will not perform as advertised. Too many turns and the bow could become un-safe. An inspection hole shows the amount of threads remaining at the end of each limb bolt. Do not shoot the bow unless at least one thread is visible.

**There are no tools or press bow press required** to change draw lengths. With all **SPLASH** bows, there is no need to **change anything to shoot at different draw lengths. The maximum draw length can be set using the perimeter limb stop (23 ½" - 29 ½") to prevent over drawing an arrow.**

**SPLASH FB cams** are designed to accommodate special Bow Fishing **requirements**. The use of these cams makes the bow fishing experience less fatiguing and more enjoyable. By obtaining peak weight early in the draw cycle and a low holding weight (50% let-off) beginning at 23 ½", all the way to 29 ½", you have a bow that can be released anywhere during the draw cycle with powerful results. This also makes the bow very versatile and not sensitive to different draw lengths. The **FB** Cams are standard on all 2019 Splash bows.

The **SPLASH** Fish Bow includes a high gloss blue riser with matching strings and cables. Included in the Splash FB package are SS axles, SS Ball Bearings & all SS fasteners, that includes all screws & limb bolts. Also included are soft rubber finger protectors installed on the bowstring. **Available from Darton** is a special **SPLASH Fishing Package** that includes all the highest quality accessories needed to go bow fishing.

Darton's Parallel Limb Design coupled with its DualSync Cam System provides satisfying smoothness with each shot. This is enhanced by the use of **DARTON's low mount Bowstring Suppression Unit. The bumper should be adjusted to just touch the bowstring.** If there is 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 setscrew and then moving the rod in or out accordingly to position the bumper relative to the bowstring. Apply bowstring wax to the bowstring in the area that aligns with the suppressor bumper for best results.

If you need to remove your cables or cable guard slide be sure to replace them in their original positions or it will affect the way the power cables track in their respective grooves.

**DARTON** includes 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 the 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 the cables are not lined, up or in the same relative position on each module, 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.

Draw Length	Brace Height	A-A	Bowstring	Power Cables
23 ½"	7"	28 ½"	52 5/8"	33 1/8"
w/100 pounds tension				

Bowstrings and Power Cable measurements are with twist. Add or subtract twist in Power Cables to get correct tune. Axle – Axle tolerance is +/- 1/16".

For additional warranty or tuning information visit our web site [www.dartonarchery.com](http://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.**

## 2019 DualSync VEGAS 3D TECHNICAL BULLETIN, 102518R9c

Each **DualSync Pro Series** 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 **Clock Wise (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 **Counter Clock Wise (CCW)** turns from 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.

DualSync Cams covered by U.S. 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.

**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 Dual Mounted Bowstring Suppression System**. **The bumpers 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 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 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.

**DARTON's NEW SHOOT THROUGH RISER** offers the shooter features never before available. Because of the way the Dual Sync Cams and attached cables are utilized there is no torque introduced into the limbs or riser during the draw cycle. To take maximum advantage of this design the riser has been designed to minimize the effect the shooter can have on the shot. The grip has been designed for the precision shooter. One of the many attributes of the grip is the way it's as close, vertically, as practical to the center line of the arrow to minimize its effect on the shoot. Arrow/vane clearance has been maximized to allow the greatest choice of arrow set ups. The launch of the arrow was considered in its design to maximize the use of a blade type arrow rest, the choice of most precision shooters.

For those shooters that want a little more arm to cable clearance there is a **choice of 3 different cable slides**. The #2 slides are installed on the bow when shipped, the #1 slides increase vane clearance at the expense of some arm clearance, and the #3 slides give maximum arm clearance at the expense of some vane clearance. See what works best for you.

Available as an accessory is a set of 3 different draw stop tab sets that reduce the amount of let-off by 3-8%, with minimum change to the draw length. 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 module, on the draw stop.

There is a **secondary way to adjust the feel of the draw-stop/valley**. Perimeter slots on the cams allow you to **adjust the stops that make contact with the let-out cables**. This allows you to create the feel you want as you approach the stationary draw stops on the modules. The use of 1 cable stop creates a softer approach than the use of 2 cable stops.

In addition to the draw lengths listed below there are also 1" modules available, i.e. 1.5, 2.5, 3.5, 4.5, 5.5 & 6.5

Modules - Model	#0.5	#1	#2	#3	#4	#5	#6	#6.5	#7	Axle-Axle	Brace Height	w/100 pounds tension		
												Bowstring	Power Cable	Mass Weight
Draw lengths														
Vegas 3D (78%)		25.5"	26.5"	27.5"	28.5"	29.5"	30.5"	#31.0	31.5"	37 3/16"	7 1/8"	61 13/16"	41 1/8"	4.6 lbs.
Vegas 3D (65%)	25"	25.5"	26.5"	27.5"	28.5"	29.5"	30.5"	#31.0						

Add or subtract twist in Power Cables to get correct tune. Axle – Axle tolerance is +/- 1/16".

For additional warranty or tuning information visit our web site [www.dartonarchery.com](http://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.**

# 2019 DualSync Tempest XT-3D/LD TECHNICAL BULLETIN\_ 122818R3

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 **Clock Wise (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 **Counter Clock Wise (CCW)** turns from tightened position is recommended; more than 5 **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.

**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 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. 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 **DualSync** 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 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 **BNSS** is adjusted by loosening its set screw and then moving 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 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 Torque Reduction Fiber Glass Cable Guard Rod** is designed to enhance the shootability 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 1/2" 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	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](http://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.**

# 2019 DualSync Maverick XT TECHNICAL BULLETIN\_ 011419R4

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 **Clock Wise (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 **Counter Clock Wise (CCW)** turns from tightened position is recommended; more than 5 **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.

**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 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. 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 **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 **BNSS** is adjusted by loosening its set screw and then moving 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 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 Torque Reduction Fiber Glass Cable Guard Rod** is designed to enhance the shootability 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 1/2" 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 Model	#1	#2	#3	#4	#5	#6	Axle – Axle	Brace Height	w/100 pounds tension	
									Bowstring	Power Cable
Maverick XT	25"	26"	27"	28"	29"	30"	33	6.00"	60.0"	30 7/8"

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 measure 14". Axle – Axle tolerance is +/- 1/16".

For additional warranty or tuning information visit our web site [www.dartonarchery.com](http://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.**

## 122018r3

Each **DualSync** bow has an adjustable peak weight range of 10 pounds. To adjust peak weight, **first** tighten your limb bolts down to be sure the limbs are evenly adjusted. Count the turns when you tighten the limbs down so you know where you started. A maximum of 5 **Counter Clock Wise** turns from the tightened position is recommended, more than 5 turns and the bow will not perform as advertised. Too many turns and the bow could become un-safe. An inspection hole shows the amount of threads remaining at the end of each limb bolt. Do not shoot the bow unless at least one thread is visible.

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

**Demon DualSync** bows include an adjustable draw stop on the upper cam. This draw stop allows you to vary the draw length and/or let-off in small increments **after the modules are adjusted**. As you decrease the draw length, the amount of let-off will also decrease. With an adjustment of approximate ¼ 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. **DualSync Cams covered by patent 6,990,970, other patents pending.**

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 a too large 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 set screw and then moving 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 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.

**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.

**Loosen the 2 bolts on each module to adjust. Position the module pin in the correct hole for your draw length. Re-tighten 2 bolts. The chart below list the draw length for each module adjustment.**

location	#1	#1.5	#2	#2.5	#3	#3.5	#4	#4.5	#5	Axle – Axle	Brace Height	Bowstring	Power cable
<b>Demon SD</b>	24"	24.5"	25"	25.5"	26"	26.5"	27"	27.5"	28"	30"	7 "	51 1/4"	34 1/2"

Bowstrings and Power Cable measurements are with twist. Add or subtract twist in Power Cables to get correct tune. Axle – Axle tolerance is +/- 1/16”.

For additional warranty or tuning information visit our web site [www.dartonarchery.com](http://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.**

# 2019 EXCITER DualSync TECHNICAL BULLETIN, 112018R5

The **EXCITER** DualSync bow has an adjustable peak weight range. The **50 lb. PEAK WEIGHT** is adjustable 35 – 50 lbs. To adjust peak weight first tighten your limb bolts down to be sure the limbs are even. Count the turns when you tighten the limbs down so you know where you started from. A maximum of 7 **Counter Clock Wise** turns from the tightened position is recommended, more than 7 turns and the bow will not perform as advertised. Too many turns and the bow could become un-safe. An inspection hole shows the amount of threads remaining at the end of each limb bolt. Do not shoot the bow unless at least one thread is visible.

**No bow press is required** to change the draw lengths of a **DualSync** bow. With the **EXCITER**, all you need to do is **change 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 need to remove your cables or cable guard slide be sure to replace them in their original positions or it will affect the way the power cables track in their respective grooves.

**EXCITER cams include 2 anchor post for the bowstring on each cam, A & B.** Using the A post on each cam will give you the draw lengths listed below. Using the A post on one cam and the B post on the other cam will result in approx. ½” shorter draw. Using the B post on both cams will result in approx. 1” shorter draw. Shortening the draw length this way will also lower the peak weight adjustment range. You do not have to re-tune your bow after changing anchor posts. Whenever using the “B” post you need to adjust the length of the Bow String Suppressor rod accordingly.

Darton’s Parallel Limb Design coupled with its DualSync Cam System provides satisfying smoothness with each shot. This is enhanced by the use of **DARTON’s low mount Bowstring Suppression Unit. The bumper should be adjusted to just touch the bowstring.** If there is 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 setscrew and then moving the rod in or out accordingly to position the bumper relative to the bowstring. Apply bowstring wax to the bowstring in the area that aligns with the suppressor bumper for best results.

**DARTON** includes 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 module, or the cam, when using **bowstring anchor post “A”**, you will get the advertised draw lengths and performance. When using **bowstring anchor post “B”**, use the tuning marks labeled “B” on the cam. A bow press is required to change bowstring anchor post. 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 module, 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.

**Remove the screws from each module to change draw length. Re-position the correct module for your draw length, replace screws and tighten. The chart below list the draw length obtained with each set of modules when using the “A” bowstring anchor posts. The draw length and let-off can be tweaked by using the cams perimeter limb stop adjustment. Draw stop marks indicate approx. 78% let-off. Total draw length adjustment range is 21 ½” to 27”.**

w/100 pound tension												
Module choice	#1	#2	#3	#4	#5	#6	Axle – Axle “A” post	Brace Height “A” post	Bowstring	Power Cable		
Draw length	Draw length – “A” post 22 ½”, 23 ½”, 24 ¼”, 25 ¼”						26”	27”	28 7/8”	6 ¾”	48 1/2”	33 1/8”

Bowstrings and Power Cable measurements are with twist. Add or subtract twist in Power Cables to get correct tune. Axle – Axle tolerance is +/- 1/16”.

For additional warranty or tuning information visit our web site [www.dartonarchery.com](http://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.**