

2016 DualSync VEGAS 3D TECHNICAL BULLETIN, 022216R3c

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 Units. 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 **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 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 #1 slides, installed on the bow when shipped, gives maximum vane clearance, the #2 slides decrease vane clearance to get more arm clearance, and the #3 slides give maximum arm clearance at the expense of some vane clearance. See what works best for you.

The Vegas draw modules comes with draw stop adjustment modules that reduce the amount of let-off by 3-8%, 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.

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 you stationary draw stops on the modules. The use of 1 stop creates a softer approach than the use of 2 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".

2016 DualSync VEGAS TECHNICAL BULLETIN, 020216R7

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 Units. 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 **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 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 #1 slides, installed on the bow when shipped, gives maximum vane clearance, the #2 slides decrease vane clearance to get more arm clearance, and the #3 slides give maximum arm clearance at the expense of some vane clearance. See what works best for you.

The Vegas draw modules comes with draw stop adjustment modules that reduce the amount of let-off by 3-8%, 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.

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 you stationary draw stops on the modules. The use of 1 stop creates a softer approach than the use of 2 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 LD (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 LD (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".

2016 DualSync Executive TECHNICAL BULLETIN, 020216R7

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 Units. 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 **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 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 #1 slides, installed on the bow when shipped, gives maximum vane clearance, the #2 slides decrease vane clearance to get more arm clearance, and the #3 slides give maximum arm clearance at the expense of some vane clearance. See what works best for you.

The DS **Executive** 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.

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 you stationary draw stops on the modules. The use of 1 stop creates a softer approach than the use of 2 stops.

In addition to the draw lengths listed below there are also 1/2" modules available, i.e. 1.5, 2.5, 3.5, 4.5, 5.5 & 6.5

with 100# tension											
Modules -	#1	#2	#3	#4	#5	#6	#7	Axle – Axle	Brace Height	Bowstring	Power Cable
'W' Cam	26"	27"	28"	29"	30"	31"	32"	33 13/16"	7.00"	59 13/16"	38 1/2"
											Mass Weight
											4.7 lbs.

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

2016 DS-700 DualSync TECHNICAL BULLETIN, 111515R5

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 **DS-700**, 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.

DS-700 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 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.

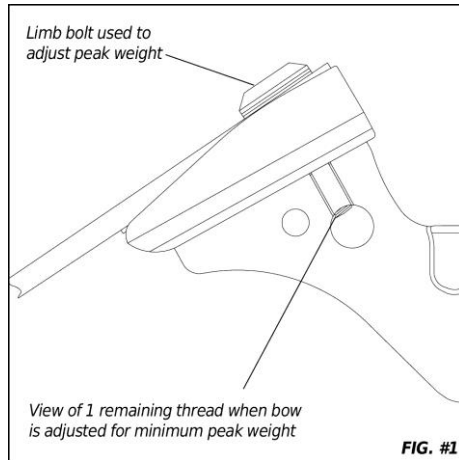
Loosen the 3 bolts on each module to adjust. Position the module pin in the correct hole for your draw length. Re-tighten 3 bolts. The chart below list the draw length for each module adjustment.

module location	#1	#1.5	#2	#2.5	#3	#3.5	#4	Axle – Axle	Brace Height	w/100 pound tension	
										Bowstring	Power Cable
DS-700	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".

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.



Peak weight with Power Cable anchored on post 'A' = 25 - 40#

Draw lengths w/75% effective let-off,

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

#1A Module installed, use post 'A' to anchor the power cable; Peak weight 20# – 35#
Draw length 17" – 25" w/40% let-off

Peak weight with Power Cable anchored on post 'B' = 35 - 50#

Draw lengths w/75% let-off

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

#1B Module installed, use post 'B' to anchor the power cable; Peak weight 30# – 45#
Draw length 19" – 27" w/40% let-off

Note: A bow press is required to change the Power Cable anchor.

A bow press is not required to change modules.

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. With the limbs adjusted tight to the riser, you can turn the limb bolt out (CCW) a maximum of 9 turns to get the minimum possible draw weight. To adjust the limb bolts out more than 9 turns is not safe.

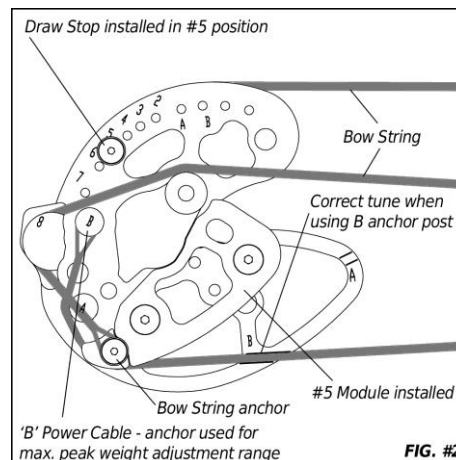
The bow is shipped with the #5 module installed and power cable anchored on the B post (**fig #2**). With the power cable anchored on the B post, you get the longest draw length for each module and highest possible peak weight.

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.

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.

There is 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.

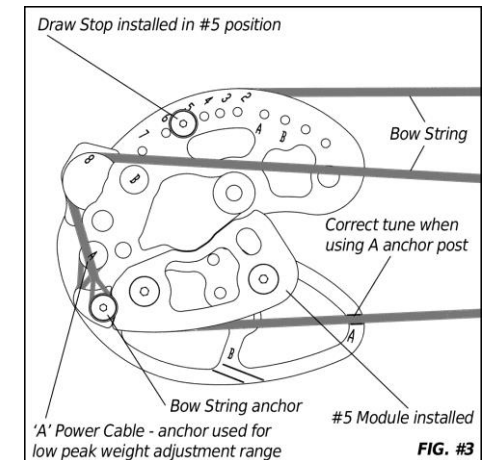
The draw length is changed by changing modules and locating the draw stop in its corresponding hole as noted on the cam. The number that identifies the draw length is visible on the module (**fig. #2 & #3**).



Be certain the draw length module and draw stop match by number when changing draw modules.

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.



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.

Bowstring Length 82 13/16", Power Cable Length 35 1/8"-measured with no twist.

A complete set of modules are shipped with each bow.

For additional warranty or tuning information visit our web site at www.dartonarchery.com or call Darton Service at 989-728-9511. To order parts, draw length modules or Darton Apparel call Darton Service at 989-728-9511.

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 **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 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 Torque Reduction cable guard rod is designed to enhance the shootability 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 1/2" 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.

2016 EXCITER DualSync TECHNICAL BULLETIN, 082515R1

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 **C**ounter **C**lock **W**ise 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".

Module choice	#1	#2	#3	#4	#5	#6	Axle – Axle "A" post	w/100 pound tension		
								Brace Height "A" post	Bowstring	Power Cable
Draw length	Draw length – "A" post									
	22 1/2"	23 1/2"	24 1/4"	25 1/4"	26"	27"	28 7/8"	6 3/4"	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".

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.

2016 RECRUIT DualSync TECHNICAL BULLETIN, 121515R6

The **RECRUIT** DualSync bow is adjustable **25 – 35 lbs.** 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 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 **RECRUIT**, 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.

RECRUIT 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. $\frac{1}{2}$ " 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.

Darton's Parallel Limb Design coupled with its DualSync Cam System provides satisfying smoothness with each shoot. 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. 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 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. **Anytime the Bowstring Anchor Post are changed, an adjustment should be made to the BNSS for correct bumper position relative to the bowstring.**

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.

Module choice							w/100 pound tension		
	#1	#2	#3	#4	#5	#6	Axle – Axle "A" post	Brace Height "A" post	Bowstring Power Cable
Draw length	22"	23"	24"	25"	26"	27"	28 $\frac{1}{2}$ "	6 $\frac{3}{4}$ "	48 $\frac{3}{4}$ " 32 $\frac{3}{4}$ "
Draw length	21"	22"	23"	24"	25"	26"			

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".

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.

2016 AQUAFORCE TECHNICAL BULLETIN, 121515R9

The Aquaforce is a unique bow. The first time you draw it you notice this isn't your average compound.

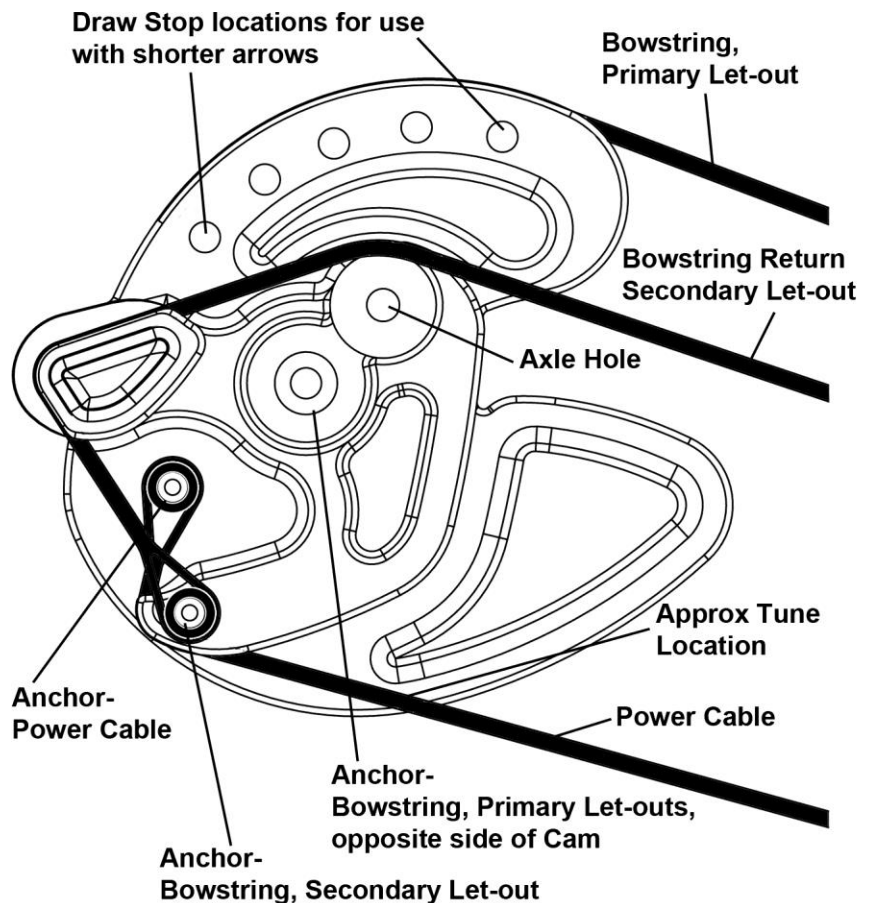
No adjustment is required to change the draw length of an Aquaforce bow. All you need to do is draw it to where you are comfortable and then release for the shot you want. There is no need to concern yourself with draw length. This bow reaches its peak weight early without strain and then lets down to a comfortable weight (20# - 27#) so you can complete the draw cycle (23" – 29 ½") with minimum effort. The string can be comfortably released anytime during the draw cycle with deadly results. This enables you to enjoy hours of shooting with plenty of penetrating power, just what you want when bow fishing.

The only time you would want to adjust the draw length is if you are going to use an arrow shorter than 30". You would then want to adjust its draw stop so you couldn't overdraw the arrow. There is a draw stop assembly included in your service pack for this purpose that fits into any of the 5 holes located on the perimeter of the cam.

The Aquaforce bow has an adjustable peak weight range of 15 pounds. To make an adjustment to peak weight you tighten the limbs down so you know where you started. A maximum of 8 Counter Clock Wise (CCW) turns from the tightened position is recommended; more than 8 Counter Clock Wise (CCW) turns may cause damage to the bow and possible injury.

With molded cams, self-lubricating bearing and stainless steel axles there isn't much you can do to this bow while fishing that can cause a bow problem, water sure won't.

The Aquaforce has all the standard mounting holes so all bow fishing accessories bolt right on.



Be sure the axle-to-axle measurement is checked. The correct measurement will assure the bow performs as advertised.

SPECIFICATIONS

Draw Length Range: 23 – 29 1/2" | Axle – Axle: 31 1/2" | Brace Height: 7 7/8" | Bowstring: 83 1/8"

Power Cable: 33 7/8" | Mass Weight: 3.1 lbs.

2016 DualSync 3900 TECHNICAL BULLETIN, 121515R4

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 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.

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. Additional bowstring dampening is achieved with the low mount **DARTON's Bowstring Suppression System** that is included with each 3914 bow. Adjust the low mount **BNSS** by loosening its jam nut and then rotating the rod in or out accordingly to position the bumper relative to the bowstring. **Adjust the bumper to have a small gap or just touching the bowstring.** The optional high mount **BNSS** has a collar installed on the upper rod that supports its bowstring bumper. This collar should be adjusted to absorb the impact to the rubber bumper instead of the rod end to extend the life of the bumper and bowstring. Be sure to re-tighten the setscrews in the collar if any adjustments are made. The lower mount bumper does not require a collar. The optional upper **BNSS** is adjusted by loosening the setscrews that hold the cable guard rod in place and moving the assembly as a unit. 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. Once the bumper gap is adjusted, re-tighten the setscrews. The upper **BNSS** is covered by patent 5,720,269.

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 bumpers for best results.

DARTON's NEW Progressive Torque Reduction cable guard rod is designed to enhance the shootability 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 need to adjust the cable guard rod out to compensate for the change in brace height to retain correct bowstring gap. When adjusting for bowstring gap you are also adjusting the cable guard rod location accordingly.

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

The DS 3900 come with 3 draw stop adjustment module sets that allow changes of the let-off down to 65% with minimum change to the draw length. 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 are also 1/2" modules available, i.e. 1.5, 2.5, 3.5, 4.5 & 5.5

Modules - Model	#1	#2	#3	#4	#5	#6	Axle – Axle	Brace Height	w/100 pounds tension	
									Bowstring	Power Cable
DS 3914	25"	26"	27"	28"	29"	30"	33 7/8"	5 1/2"	60 5/16"	32 7/16"

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

Yoke cables for the 3900 measure 14". 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.

2016 DualSync 3800 TECHNICAL BULLETIN, 121515R10

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 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 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 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 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.

An additional Bowstring Suppression Unit that mounts on the cable guard rod is available as an accessory from Darton. This unit puts a suppression unit closer to the center of the bow and provides additional dampening of the bowstring if desired. Instructions for installation and adjustments are provided in the service pack with the unit.

DARTON's NEW Progressive Torque Reduction cable guard rod is designed to enhance the shootability 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 any change in brace height.

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

The DS 3800 comes with 3 draw stop adjustment module sets that allow changes of the let-off down to 65% with minimum change to the draw length. 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 are also 1/2" modules available, i.e. 1.5, 2.5, 3.5, 4.5, 5.5 & 6.5.

Modules - Model	#1	#2	#3	#4	#5	#6	#7	Axle – Axle	Brace Height	w/100 pounds tension	
										Bowstring	Power Cable
DS 3800	25"	26"	27"	28"	29"	30"	31"	33 13/16"	6.00"	59 13/16"	32 9/16"

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

Yoke cables for the 3700 & 3800 measure 14". 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.

DARTON CADET

2016 Technical Bulletin 12.15.15

The CADET was specifically designed to fit that special youngster and give them the right start in archery. A peak weight of 28 lbs. is adjustable all the way down to 15 lbs. so that even the smallest person can comfortably shoot the CADET. The power stroke is enhanced with 40% let-off to make the shooting experience even more enjoyable and easier to master. The bow has low let-off to make it safer at its light draw weights.

The peak weight can be adjusted with the use of the limb bolts (fig #3). Whenever a limb bolt is backed out (CCW) be sure to inspect the number of threads remaining. A minimum of one (1) exposed thread is required for safe use (fig #3). Be sure to adjust each limb in or out the same amount to keep the limb balanced. If you are not certain of the correct limb balance tighten both limbs down (CW) and then start over by turning them out (CCW) evenly until the desired peak weight is obtained.

Darton's Innovative technology eliminates the need for specific draw length adjustments by offering a smooth useable draw length valley of 17 - 26".

An adjustable positive draw stop (fig #1) 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 for their individual use.

CADET

Draw Weight Range: 15 - 28# peak

Draw Length Range: 17"- 26"

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 or Darton Apparel visit dartonarchery.com or call Darton Service at 989-728-4231.

2016 DS-700SD DualSync TECHNICAL BULLETIN, 121515R4

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 **DS-700SD**, 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.

DS-700SD 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 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	w/100 pound tension		
												Bowstring	Power Cable
Draw length													
DS-700	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".

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.

2016 DualSync 4800 TECHNICAL BULLETIN, 121515R9

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 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 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 Torque Reduction cable guard rod is designed to enhance the shootability 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 1/2" modules available, i.e. 1.5, 2.5, 3.5, 4.5 & 5.5

The DS 4800 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.

												w/100 pounds tension	
Modules -	#0.5"	#1	#2	#3	#4	#5	#6	#6.5	#7	Axle – Axle	Brace Height	Bowstring	Power Cable
Model	Draw lengths												
DS 4800-80%		25.5"	26.5"	27.5"	28.5"	29.5"	30.5"	31"	31.5"	37 5/8"	7 3/8"	62 3/16"	35 5/16"
DS 4800-65%	25"	25.5"	26.5"	27.5"	28.5"	29.5"	30.5"	31"					

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.