HOYT COMPOUND BOW
LIMITED LIFETIME WARRANTY

All Hoyt compound bows are guaranteed against manufacturing defects in materials or workmanship to the original owner on all risers, limbs, limb pockets, and eccentric for the life of the product.*

*Visit www.hoyt.com/warranty for complete warranty details. Bows purchased over the Internet or through mail order void all warranty.
Congratulations on the purchase of your new Hoyt bow. We are excited and grateful to have you as a part of Team Hoyt. You will be pleased to know that you have purchased the most technologically advanced and dependable bow on the market. Truly the finest components go into every Hoyt bow along with over 85 years of industry-leading experience in bow technology and manufacturing. With proper use and some basic maintenance, your new bow will provide you with years of great shooting and dependability.

Archery is a very enjoyable form of recreation for people of all ages and abilities. It is important to note that archery equipment, when not used properly, can create a dangerous situation, including death and serious personal injury for the archer or others around them. It is up to you to be a responsible archer, protect both yourself and others when enjoying this great sport. Whether you are an experienced archer or have never shot a bow, you must READ THIS ENTIRE MANUAL CAREFULLY before using your bow. Following all warnings and instructions contained in this manual will help ensure you and others have the safest and most enjoyable shooting experience possible. Keep this owner’s manual handy and refer to it often. Should you lose this manual you can find a current manual online at www.hoyt.com. Good luck and safe shooting!

WELCOME TO TEAM HOYT.

BOW OWNER’S PERSONAL INFO

Fill in the following personal bow record for your reference.

Bow Serial Number: ____________________________

[See page 30 for information on where your bow serial number is located.]

Hoyt Bow Model: ______________________________

Purchased From: _______________________________

Purchase Date: ________________________________


Control Cable Length: ________ [in.]

IMPORTANT!

A copy of your sales receipt is required for warranty purposes.

The sales receipt, as well as the serial number, is your proof of date-of-purchase. Proof of date-of-purchase will be required if your bow ever needs warranty service.
### TABLE OF CONTENTS/WARNINGS

<table>
<thead>
<tr>
<th>1</th>
<th>Box Owner’s Personal Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Important Safety Information</td>
</tr>
<tr>
<td>3</td>
<td>Compound Bow Terminology</td>
</tr>
<tr>
<td>4</td>
<td>Bow Setup</td>
</tr>
<tr>
<td>5</td>
<td>Accessory Selection</td>
</tr>
<tr>
<td>6</td>
<td>Draw Length</td>
</tr>
<tr>
<td>7</td>
<td>Draw Weight</td>
</tr>
<tr>
<td>8</td>
<td>Centered Alignment</td>
</tr>
<tr>
<td>9</td>
<td>Neck Point Location</td>
</tr>
<tr>
<td>10</td>
<td>Fine Tuning</td>
</tr>
<tr>
<td>11</td>
<td>Bow Tuning for Broadsides</td>
</tr>
<tr>
<td>12</td>
<td>Bow Maintenance</td>
</tr>
<tr>
<td>13</td>
<td>Strings and Cables</td>
</tr>
<tr>
<td>14</td>
<td>Limb and String Silencers</td>
</tr>
<tr>
<td>15</td>
<td>Steel/Hide String Suppressors</td>
</tr>
<tr>
<td>16</td>
<td>Paint and Finish</td>
</tr>
<tr>
<td>17</td>
<td>Cam Synchronization</td>
</tr>
<tr>
<td>18</td>
<td>Factory Settings</td>
</tr>
<tr>
<td>19</td>
<td>Bow Press Usage</td>
</tr>
<tr>
<td>20</td>
<td>Bow Maintenance Using Non-Hoyt Accessories</td>
</tr>
<tr>
<td>21</td>
<td>Bow Maintenance Using Non-Hoyt Accessories (continued)</td>
</tr>
<tr>
<td>22</td>
<td>Bow Maintenance Using Non-Hoyt Accessories (continued) (page 6)</td>
</tr>
<tr>
<td>23</td>
<td>Professional String Inspection and Repair</td>
</tr>
<tr>
<td>24</td>
<td>Professional String Inspection and Repair (continued)</td>
</tr>
<tr>
<td>25</td>
<td>Professional String Inspection and Repair (continued) (page 6)</td>
</tr>
<tr>
<td>26</td>
<td>Professional String Inspection and Repair (continued) (page 6) (continued)</td>
</tr>
<tr>
<td>27</td>
<td>Professional String Inspection and Repair (continued) (page 6) (continued) (page 6)</td>
</tr>
<tr>
<td>28</td>
<td>Professional String Inspection and Repair (continued) (page 6) (continued) (page 6) (continued)</td>
</tr>
<tr>
<td>29</td>
<td>Professional String Inspection and Repair (continued) (page 6) (continued) (page 6) (continued) (continued)</td>
</tr>
<tr>
<td>30</td>
<td>Professional String Inspection and Repair (continued) (page 6) (continued) (page 6) (continued) (continued) (continued)</td>
</tr>
<tr>
<td>31</td>
<td>Professional String Inspection and Repair (continued) (page 6) (continued) (page 6) (continued) (continued) (continued) (continued)</td>
</tr>
<tr>
<td>32</td>
<td>Professional String Inspection and Repair (continued) (page 6) (continued) (page 6) (continued) (continued) (continued) (continued) (continued)</td>
</tr>
</tbody>
</table>

**WARNING:**

- Before you handle or shoot your bow or any other archery products, Hoyt recommends that you be trained and instructed in proper use by a certified archery coach. Sources such as USA Archery (www.usa-archery.org/us-archery/coaching/), the National Field Archery Association (NFAA: www.nfaa.org) and the State Archery associations are good sources of information for certified archery coaches in your area. Other archery associations in your area or country may also have suitable programs.

**WARNING:**

- Adult should always supervise minors when they are handling or shooting a bow.

**WARNING:**

- Never use alcohol or drugs while handling or shooting your bow.

**WARNING:**

- Always wear safety glasses when handling or shooting your bow.

**WARNING:**

- Never let go of the bow handle while drawing the bow, holding the bow at full draw, or shooting the bow. It is important that you are able to maintain a constant control of your bow.

**WARNING:**

- Always ensure that the area around your bow is clear of any and all obstructions to prevent items from being caught in the moving parts of the bow. When shooting your bow, never wear loose clothing, jewelry, or any item or物质 on your body that may get caught in the bow or bow string when the bow is shot.

**WARNING:**

- Never point or aim a bow at another person. Be sure of your target and what lies beyond. Never shoot arrows straight upwards into the air. Make sure that the path from where you are shooting to the target and beyond is free from people and obstructions. The view that you see when looking through your sight while shooting (the sight picture) may not clearly show the trajectory path of the arrow.

**WARNING:**

- Always ensure that your bow and/or string accessories are in good condition and ready to shoot the bowweight with an arrow. Never try drawing a bow that is too heavy for your strength or that does not fit your draw length as this could lead to an unintended dry fire. A dry fire could cause the bowstring to snap, causing death or serious injury to you or others. If your bow is dry-fired there could be both seen and unseen damage and it should be returned to Hoyt or a Genuine Hoyt Retailer proper for inspection before any further use.

**WARNING:**

- Always check the string and cables each time before shooting your bow. Hoyt recommends that you replace your string and cables after 2,000 shots or after two years, whichever comes first.

**WARNING:**

- Do not perform any maintenance, adjustments, or have any work performed by any kind of any part of your bow while drawing or during any of the shooting cycle. Do not allow others to work on or touch any part of your bow during the shooting cycle.

**WARNING:**

- Never shoot a bow with the incorrect arrow size [pin] or the incorrect arrow length. Shooting an incorrect arrow size or length could cause your arrow to break and could cause death or serious injury to you or others. Hoyt recommends that only a Hoyt approved bow manufacturer’s arrow selection chart to select the correct arrow size and length for your setup.

**WARNING:**

- Never shoot an arrow weighing less than five grains for every pound of peak draw weight of your bow. For example, if your bow’s peak draw weight is 70 pounds, do not shoot an arrow weighing less than 350 grains. Shooting an arrow below five grains per pound of peak draw weight could cause your bow to break and cause death or serious injury to you or others.

**WARNING:**

- Never shoot a damaged arrow. Before each shot, inspect your arrows for damage. See the specific arrow manufacturer’s warnings and instructions on proper arrow inspection methods. Discard all damaged arrows.

**WARNING:**

- Never mechanically alter or modify your bow. Drilling holes, cutting, filing, or sanding any elements of mechanically altering your bow which will likely cause the bow to break or cause death or serious injury to you or others.

**WARNING:**

- Never use Hoyt’s bow from its original factory configuration. Changing your bow’s cam, limbs, or other components from its original equipped and configured assembly could cause you to break and could cause death or serious injury.

**WARNING:**

- Never draw or shoot a bow with frayed, worn, or damaged string or cables as they could break. Frayed, worn, or damaged bowstrings or cables should be immediately replaced by Hoyt or a Genuine Hoyt Retailer before the bow is used.

**WARNING:**

- Carefully inspect the string and cables each time before shooting your bow. Hoyt recommends that you replace your string and cables after 2,000 shots or after two years, whichever comes first.

**WARNING:**

- Never draw or shoot your bow without all string accessories [kick sight, knurled button,ock points, D-Loop, string silencers, string weights, and spine-weight] properly installed and secured, as well as any extra arrows or other metal clamp-on nocking point or string weight devices. Hoyt recommends that only a Genuine Hoyt Retailer install all string accessories. [see page 6 for definition of Hoyt Bow Safe Operating Parameters]

**WARNING:**

- Never expose your string or cables to sharp objects such as knives or broadheads, or direct heat sources such as open flame or extremely hot objects as they could easily cut or cause the string and/or cables to break.

**WARNING:**

- Always inspect the string and cables each time before shooting your bow. Hoyt recommends that you replace your string and cables after 2,000 shots or after two years, whichever comes first.

**WARNING:**

- Never draw or shoot your bow without all string accessories [kick sight, knurled button,ock points, D-Loop, string silencers, string weights, and spine-weight] properly installed and secured, as well as any extra arrows or other metal clamp-on nocking point or string weight devices. Hoyt recommends that only a Genuine Hoyt Retailer install all string accessories. [see page 6 for definition of Hoyt Bow Safe Operating Parameters]

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I WARNING: Never draw a bow with mismatched or missing cam modules, module screws and/or set screws. Never draw a bow with a missing or incorrectly installed draw stop peg. Never remove the cam control cable peg. Be sure to thoroughly check these areas of the cam with an allen wrench to ensure they are fully tightened and that modules are not mismatched.

I WARNING: While servicing Hoyt compound bows, it may be necessary to remove and reinstall e-clips on the ends of the axles. It is critical that the e-clips are installed correctly. If e-clips are not installed correctly, it is likely that one or more of the limbs will work their way off the end of the axle, causing the bow to come apart and may result in injury to user or bystanders. (See page 15 for installation instructions)

I WARNING: Do not draw or shoot bow without the cable guard, cable slide and/or rollers properly installed, adjusted and tightened.

I WARNING: Only use genuine Hoyt manufactured replacement parts. Only Hoyt or a Genuine Hoyt Retailer should perform replacement of damaged parts. Hoyt recommends that all maintenance or service that requires the use of a bow press only be performed by a Genuine Hoyt Retailer. The use of an improper style bow press on your Hoyt bow or the incorrect use of any bow press on your bow may result in severe damage to the bow [see page 12 for definition of an appropriate style press for Hoyt bows].

I WARNING: Never expose your Hoyt carbon bow to any solvents or lubricants as the structure could become weakened.

I WARNING: Never expose your carbon bow to direct impact. If impact occurs, return your bow to Hoyt or take your bow to a Genuine Hoyt Retailer for inspection and required repair.

I WARNING: Never expose your bow to extreme heat or prolonged moisture. Damage can occur to your bow from heat exposure, prolonged exposure to moisture and improper storage.

I WARNING: This warning is given in compliance with California State Prop 65. This product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

COMPOUND BOW TERMINOLOGY

- Top Cam
- LimbShox
- Limbs
- Limb Pocket
- Riser
- Sight Window
- Silent Shelf Pad
- Grip
- Stabilizer Bushing
- Limb Weight Adjustment Bolt
- Rockers
- Bottom Cam
- Axle
- Control Cable
- Stealth Shot
- 2T Cable Guard In-Line Roller Guard or Cable Guard and Cable Slide* [*depends on model of bow]
- Shooting String
- Split Yoke Buss Cable
REQUIRED SAFE OPERATING PARAMETERS

CAM SETTINGS
Both the top and bottom cam must be of the same cam type and size. Most Hoyt compound bows use a cam system that allows the module to be turned to a left or right hand draw position that matches with the module system for draw length adjustments. Forcams with replaceable draw length modules, both the top and bottom cam modules must be a matching set and the draw length set up within the bow’s safe operating parameters. Forcams with an adjustable limber system, it is critical that your bow is set up and functioning within the bow’s required safe operating parameters prior to use. Hoyt recommends that only a Genuine Hoyt Retailer setup and inspect your archery equipment to ensure that it is set up within the bow’s safe operating parameters. After your bow is set up within the bow’s required safe operating parameters, the bow should be tuned (see page 12) for improved accuracy based on your shooting style and form, the arrow type and size used, and all other accessories used. See page 7 for tips and basic tuning procedures.

LIMB WEIGHT ADJUSTMENT BOLT SETTINGS
All Hoyt compound bows have an adjustable limb system that allows the bow’s peak draw weight to be adjusted within the specific bow’s available range. Your bow’s peak draw weight can be adjusted within the bow’s range by turning the bow’s top and bottom limb weight adjustment bolts out (see photo C). Never turn your bow’s limb weight adjustment bolts out more than 10 turns as the bow will become disassembled. (Note: On Irvine model bows only, limb weight adjustment bolts can be loosened up to 30 turns always ensure that both your top and bottom limb weight adjustment bolts are adjusted and set at equal positions. For more information on proper draw weight adjustment, see page 8.

ATTACHED BOW ACCESSORIES
Your Hoyt bow is equipped with various accessory mounting locations to allow accessories such as sights, quivers, arrow rests, and stabilizers to be attached to your bow. When attaching to an accessory to your bow, follow all accessory mounting and use instructions provided by the accessory manufacturer. Ensure that all accessories are specifically right hand or left hand to match your bow where applicable and that a mounting hardware is securely tightened. Ensure that all attached accessories are clear of string and arrow flight path when the bow is shot.

ARROW REST SETTING
There are many different arrow rest designs and styles. Ensure the arrow rest is right handed or left handed based on your bow. On all Hoyt bows, arrow rests should be positioned on your bow so that your arrow rests exactly on top of the bow’s center. Hoyt recommends that only a Genuine Hoyt Retailer inspect your archery equipment to ensure that it is set up within the bow’s safe operating parameters with the center of the arrow rest between 5/8” and 1” from the bow’s riser at the rest mounting location (see photo D). Always follow and use the specific arrow rest manufacturer’s instructions for correctly setting up the arrow rest for proper function and tuning.

D-LOOPS AND NOCKING POINTS
All bows require the use of a D-Loop or a nocking point device to properly locate the arrow onto the bow string. In relationship to the arrow rest. For all Hoyt bows, the required safe operating position of the D-Loop or the nocking point device to the arrow rest is set up within the bow’s safe operating parameters with the center of the arrow between 5/8” and 1” from the bow’s riser at the rest mounting location (see photos E and F). Ensure that the “D-Loop” or “tied-on” nocking point is securely attached to the bow string and cannot move on the string or come off of the string during shooting.

OTHER STRING ACCESSORIES
Other string accessories such as peep sights, string silencers, kisser buttons or any other devices attached to the bow string or cables of your bow must be installed in such a way that they cannot move or come off of the bow string or cables during shooting. Hoyt recommends that only a Genuine Hoyt Retailer install and set-up any string accessories on your Hoyt bow.

COMPound Bow Setup, Tuning and Maintenance

ACCESSORY SELECTION
Hoyt Archery manufactures a broad selection of archery gear and accessories. Your Genuine Hoyt Retailer can help you choose, install and tune the proper gear and accessories for your style of shooting. Do not modify your bow to accommodate an accessory that is not meant for your bow.

DRAW LENGTH
Draw length is determined by many variables. Your Genuine Hoyt Retailer is trained in proper fitting and setup of your Hoyt bow. Hoyt offers two basic types of adjustable cam backs that can be attached to your Hoyt bow: high quality archery serving material for installing a “tied-on” nocking point (see photo F for an example of a “tied-on” nocking point). Always follow and use the specific serving manufacturer’s instructions for correctly setting up the arrow rest for proper function and tuning.

CUSTOM ACCESSORIES
Take your bow to the next level. Advanced accessories from Hoyt allow you to dial-in your shot with a look and feel that’s all you.
**COMPOUND BOW SETUP, TUNING AND MAINTENANCE (continued)**

**DRAW WEIGHT**

Weight adjustments can easily be made by turning the weight adjustment bolt clockwise to increase weight or counter clockwise to decrease weight. To ensure your tiller stays equal always turn the top and bottom adjustment bolts in equal amounts. Hoyt bows are capable of being reduced to 70 pounds lower than the peak weight. For example, a Hoyt bow with a 60 lb. max weight can be adjusted to 42 pounds. Hoyt does not recommend the use of brass or other metal clamp-on nocking point devices. Only a qualified archery pro shop should install string components.

**STRENGTHS AND CABLES**

Apply a light coating of bowstring wax to your bow’s cables and string on a regular basis. Hoyt suggests once every two weeks during use. Use a high quality bowstring wax available at your local Genuine Hoyt Retailer. This will keep your bow’s strings and cables in good condition in order to prevent water damage. (Do not use a wet source to dry your bow.) Bow string and cables, limbs, cams, pocket rockers and slides, and riser. Clean the bow with a damp cloth. After use during wet conditions, towel-dry your bow to prevent water damage. (Do not use a heat source to dry your bow.) Do not use chemicals, solvents or products such as bug repellents that may harm your bow’s finish. Any damage to the paint and finish caused by, but not limited to, chemicals, solvents, scent sprays, or other products will not be covered under warranty. Warranty coverage of paint and finish is limited to manufacturing defects only.

**CAM LUBRICATION**

Bows equipped with the Cam 8/1 Performance System feature sealed ball bearings, which do not require lubrication. For conventional bearers or bushings, such as those found on non-Cam 8/1 (Dual cam) equipped bows, a light spot lubrication of the axles where they pass through the cam should be done on a regular basis (1,500 - 2,000 shots). In adverse hunting conditions where dirt, dust or other contaminants are present, the axles should be lubricated more frequently. Be sure to clean off any excess lubricant as it will attract dust and dirt and could possibly damage painted surfaces. Hoyt recommends you use a silicone or Teflon-based lubricant. It is not recommended that you use “Penetrating Silk” such as WD-40, EZ-7, Fast Break, etc. as these products can damage your bow.

**PAINT AND FINISH**

The paint and finish on your bow requires very little maintenance. A few simple actions can help keep your bow looking new. Keep it clean by removing mud, dust and other contaminants from the finish by using a damp cloth. After use during wet conditions, toweldry your bow to prevent water damage. (Do not use a heat source to dry your bow.) Bows equipped with the Cam 8/1 Performance System feature sealed ball bearings, which do not require lubrication. For conventional bearers or bushings, such as those found on non-Cam 8/1 (Dual cam) equipped bows, a light spot lubrication of the axles where they pass through the cam should be done on a regular basis (1,500 - 2,000 shots). In adverse hunting conditions where dirt, dust or other contaminants are present, the axles should be lubricated more frequently. Be sure to clean off any excess lubricant as it will attract dust and dirt and could possibly damage painted surfaces. Hoyt recommends you use a silicone or Teflon-based lubricant. It is not recommended that you use “Penetrating Silk” such as WD-40, EZ-7, Fast Break, etc. as these products can damage your bow.
1110

ZT CABLE GUARD SYSTEM™

The ZT Cable Guard System is factory installed and requires no additional installation. The roller wheels feature sealed bearings that require no lubrication. If wax or dirt accumulates on the roller wheels, simply clean the wheels with a soft cloth.

Note: In order to remove both the split yoke buss cable and control cable from the ZT Cable Guard, the strings and cables must first be relaxed with the proper use of a bow press (see pg. 10) Once the cables are relaxed, the roller wheels and spacers can be removed by loosening and removing the shoulder bolt with a 5/32” Allen key, allowing the cables to be free.

When reassembling the unit, the roller wheels and spacers must be installed correctly. The larger side or flanged side of the bearing should face away from the bow’s shelf. One .050” spacer must be installed between the roller wheels and another one between the inner wheel and threaded mount.

When properly installed, the split yoke buss cable will route in the wheel track closest to the arrow and the control cable routes in the wheel track closest to the bow’s shelf. The cables are designed to cross at the roller wheels, but never touch one another. Install the cables into the proper wheel tracks before threading and tightening the screw to 15 in-lbs. Do not over tighten.

The ZT Cable Guard's flexible limb assembly is maintenance free and should not be tampered with or adjusted. If the unit needs to be disassembled for cleaning purposes or installation of shock rods, loosen the button head screw with a 1/8” Allen key. The screw should be retightened to 12 in-lbs. Do not over tighten.

Do not loosen any part of the ZT Cable Guard system without first relaxing the cables by proper use of a bow press. (Pg. 10)

Do not draw or shoot the bow without the ZT Cable Guard and cables properly installed.

PREVAIL CABLE GUARD SYSTEM

The Prevail Series bows come standard with an adjustable cable guard to optimize arrow clearance and enhance tuning. The cable guard has four different settings (0, 3, 6, and 9 degrees) and comes factory set in the 0 setting.

APPROVED BOW PRESSES

The following bow presses have been tested and approved by Hoyt to be used on all Hoyt model bows, including those that feature the UltraFlex Limb System (Carbon Defiant Series, Defiant Series 0/2; HyperEdge) and all other model bows:

- The Last Chance EZ Press™ - ONLY WHEN EQUIPPED WITH THE NEW LAST CHANCE ULTRA-LOCK ADAPTERS. The Last Chance Ultra-Lock Adapters are to be used exclusively on the Last Chance EZ Press.
- The X Press Pro Press™
- The Bowforce Hunter V-Press™ with their exclusive “Limb Capture” attachment positioned CORRECTLY for Hoyt bows.

Any damage caused to a Hoyt bow by a bow press not approved by Hoyt WILL NOT be covered under the Hoyt warranty. If you are unsure if a specific bow press is suitable for use, do not press the bow and call Hoyt Customer Service at 1-800-333-1800 or visit www.hoyt.com/safetyandwarnings to learn more about Hoyt approved bow presses.

Note: Some cams, including the DFX Cam, have an optional Limb Stop Peg. If the optional Limb Stop Peg is installed on your bow, it must be removed before pressing the bow. Failure to do so could result in damage to your bow.
COMPOUND BOW SETUP, TUNING AND MAINTENANCE (continued)

Before adjusting the cable guard, first remove the cables from the cable slide. Then loosen both of the socket head cap screws 1/2 turns with a 5/64” Allen key. Rotate the bar through the series of internal notches using a T orx wrench to loosen both module screws 1.5 – 2 full turns (see Fig. A). There is no need to completely remove either of the module screws during adjustment, only loosen them. Once the screws are loosened, simply press the module against the surface of the cam and rotate the module (Fig. B) to the desired position and tighten both module screws (Do not over tighten). Factory setting = 15 in. lbs. After adjusting the cable guard bar, simply slide the bar through the two mounting holes on the riser, making sure the bar is pushed completely through and flush with the end of the front mounting hole. After the bar has been inserted, fasten the 1/4-20 x 1/2” set screws provided. (See photo I). The use of Loctite® is recommended when re-inserting screws.

CABLE SLIDE INSTALLATION

To prevent your bow’s cables from rubbing against each other, Hoyt uses a specially designed cable slide that has offset collapsibles. To correctly install the slide on most Hoyt bows, first place the glide on the cable guard bar (see photo I). Next, push the control cable into the shorter front slot. Then, push the bus cable into the longer rear slot.

DRAW LENGTH ADJUSTMENT FOR DFX, DFX TURBO AND POWERMAX CAMS

Both Top and Bottom Cam:
To adjust the draw length of Hoyt’s DFX, DFX Turbo and Powermax cams with a rotating inner-cam module with draw stop pegs, use a T-20 Torx Wrench to loosen both module screws 15 – 2 full turns (see Fig. A). There is no need to completely remove either of the module screws during adjustment, only loosen them. Once the screws are loosened, simply press the module against the surface of the cam and rotate the module (Fig. B) to the desired position and tighten both module screws (Do not over tighten). Factory setting = 15 in. lbs. After adjusting the module installed on the bow and draw the bow to ensure timing is correct. Additional adjustments may be needed to fine tune the desired feel at full draw.

LIMB STOP ADJUSTMENT

DFX and DFX Turbo Limb Stop Feature: Models using the new DFX and DFX Turbo cams both come with an optional limb stop in addition to the standard cable stop pegs. Use of the limb stop peg is optional for a firmer feel at full draw. Never use the limb stop without both cable stop pegs installed.

Before installing the limb stop peg, first time/synchronize the cams using the draw stop pegs (black – top cam and red – bottom cam). After the cams have been properly timed, install the limb stop in the corresponding starting position that matches the module installed on the bow and the draw bow to ensure timing is correct. Additional adjustments may be needed to fine tune the desired feel at full draw.

Note: The limb stop peg must be removed before press the bow. Failure to do so could result in damage to your bow.

The limb stop is to be used in addition to the cable draw stop pegs that come installed in the cam. Once you have adjusted the module and cable draw stop pegs to the desired positions, simply install the limb stop into the limb stop slot using a 7/64” Allen key as shown in (Fig. E). The alignment marks for the limb stop are a starting reference only and the limb stop may require adjustment from the starting position in order to achieve optimum feel and performance.

Notice: DO NOT attempt to adjust or remove the adjustable cable guard bar while the cables are still in the cable slide.

No red draw or shoot bow without the cables properly installed, adjusted and tightened.

CABLE GUARD INSTALLATION

Some Hoyt bows are designed with a standard built-in cable guard bar attachment. To install the cable guard bar, simply slide the bar through the boss mounting holes on the riser, making sure the bar is pushed completely through and flush with the end of the front mounting hole. After the bar has been inserted, fasten the with the 1/4-20 x 1/2” set screws provided. (See photo I). The use of Loctite® is recommended when re-inserting screws.

LIMB STOP ADJUSTMENT FOR ADJUSTABLE DRAW LENGTH BOWS (EXCEPT DFX CAMS). SEE PREVIOUS PAGE FOR DFX INSTRUCTIONS.

Follow the directions below to adjust the draw length on Hoyt bows equipped with a rotating inner-cam module such as those found on some Target bows and youth bows. Bottom Cam:
Top Cam: To adjust the draw length of Hoyt’s cams with a rotating inner-cam module like the one shown in (Fig. E), use the appropriate wrench [some cams use an Allen key and others use a Torx wrench] to loosen the fastening screw and remove the draw length screw (see Fig. E). Rotating the inner-cam module in the (+) direction will lengthen the draw. Rotating the inner-cam module in the (-) direction will shorten the draw. Each lettered position will provide approximately 1/2 inch of draw adjustment. The alignment marks for the inner-cam module in the (+) direction will lengthen the draw. Rotating the inner-cam module in the (-) direction will shorten the draw. Each lettered position will provide approximately 1/2 inch longer/shorter draw than the previous selection. Once the inner-cam module is in the desired location, reinstall and tighten the draw length screw first and then the fastening screw.

See next page for Bottom Cam adjust

ment procedure.
Adjusting Your Bow to Factory Settings
To verify that the factory specifications (cam orientation, draw length, draw weight, brace height, axle-to-axle, etc.) are correct, use a proper bowpress and remove the string and cables [I should only be done on a Genuine Hoyt Retail]. Then measure the string and cables to ensure the proper length. Strings and cables must be measured under 100 lbs. of load. Then re-install the system and check all bow components. Once the string and cables are installed or re-installed, simply add twists to either the control cable or bow string to synchronize the draw stops on the cams at full draw.

Cam Synchronizing
Hoyt Cam & ½ Performance Systems require very little maintenance. Hoyt measures bowstrings using the ATA (Archery Trade Association) standard method.

X3 and DFX Cam Let-Off Adjustment
X3 and DFX bows are available with either 65% or 75% let-off modules. Changing the let-off should be done by Hoyt or a Genuine Hoyt Retailer. To change the let-off on the top cam: Remove the top cam module and replace it with the desired let-off module. To change the let-off on the bottom cam: Remove the bottom cam module and replace it with the desired let-off module for top and bottom DFX cam systems. For bottom X3 cam systems, 75% mods use a different draw stop peg than the other let-off modules. Ensure the module numbers correspond with the cam numbers. For example, a X3 #3 module would take a X3-3.5 Mod. Be sure to adjust the module to the same lettered module position as each other. For example, if the top module is in the ‘E’ position, the bottom module must be in the ‘E’ position. (Note: Blue Loctite® may be used on the inner-cam module screws when replacing modules to keep them from coming loose during use.)

Warning:
Never draw a bow with a mismatched or missing cam modules, string or cables. Never draw a bow with a missing or incorrectly installed draw stop peg. Never remove the control cable peg as serious injury and bow damage could occur.

Exchangeable Module Adjustment: Follow the directions below to adjust the draw length on a Hoyt bow equipped with an exchangeable module [SVX Cam & ½].

No bow press is needed to make the following adjustments. Once you have determined the desired draw length, simply remove and replace the modules with a 75/4 1/2” Allen Key. There are 3 screws on the top cam and 2 screws on the bottom cam that hold the modules in place. Once the screws have been loosened and removed, simply remove the modules from the cam. Then replace the modules with one that corresponds to the desired draw length. (Do not over-tighten module screws.) It may be necessary to use a bowpress on top cam module to keep them secure. After the desired draw modules are installed, the draw-stop that is located on the bottom cam needs to be adjusted. Remove the draw stop with a 5/32 Allen key and reinstall it in the thread hole that corresponds with the letter on the cam module. For example, module #3-3.5 BR would use draw stop peg position A.

Tuning and Maintenance (continued)

COMPOUND BOW SETUP, adjustment please visit: http://www.youtube.com/watch?v=T-51Z-z98Zc

DRAW LENGTH ADJUSTMENT: Measure your strings and adjust them to the recommended factory length by adding or subtracting twists. Then reinstall the adjusted strings onto the bow. When drawing the bow back, if the control cable control stop located on the top cam touches before the yoked brass cable stop location on the bottom cam, shorten the control cable by adding twists. When drawing the bow back, if the yoked brass cable stop location on the bottom cam touches before the control cable control stop on the top cam, shorten the yoked brass cable by adding twists.

Note: Hoyt measures bowstrings using the ATA [Archery Trade Association] standard method.

X3 and DFX Cam Let-Off Adjustment
X3 and DFX bows are available with either 65% or 75% let-off modules. Changing the let-off should be done by Hoyt or a Genuine Hoyt Retailer. To change the let-off on the top cam: Remove the top cam module and replace it with the desired let-off module. To change the let-off on the bottom cam: Remove the bottom cam module and replace it with the desired let-off module. For top and bottom DFX cam systems, and for bottom X3 cam systems, 75% mods use a different draw stop peg than the other let-off modules. Ensure the module numbers correspond with the cam numbers. For example, a X3 #3 module would take a X3-3.5 Mod. Be sure to adjust the module to the same lettered module position as each other. For example, if the top module is in the ‘E’ position, the bottom module must be in the ‘E’ position. (Note: Blue Loctite® may be used on the inner-cam module screws when replacing modules to keep them from coming loose during use.)

Warning:
Never draw a bow with a mismatched or missing cam modules and set strings.

Back Wall Adjustment
X3 and SVX bows have the option to change how the back wall of the cam feels at full draw. For the X3 cam, you can remove the draw stop peg from the bottom cam to create a slightly ‘softer’ feel at full draw. On the SVX cam, moving the peg from the outer hole to the inner hole will create a ‘softer’ feel at full draw.

Locating Your Serial Number
The six- or seven-digit serial number on Hoyt compound bows is located on or near the arrow rest mount. If you have already attached a rest to your riser, you may have to remove it to see the serial number. The serial number on Hoyt Carbon bows is located between the upper and lower module in the grip. Hoyt’s PowerFlex series will be found under the grip. To locate, simply remove the two attachment screws and remove the grip. The Serial number for a Prevail series bow is located under the cable guard bar.
CARBON INFORMATION AND WARRANTY

Hoyt Carbon Riser Special Precautions and Information

1. Hoyt Carbon Risers, may show small surface separations in the paint and/or top surface layer of the construction. This is a typical composite condition which may become more visible as the bow is used over time. These small separations are considered normal and non-structural provided that they are under 1/8 inch in length and no less than 1/32 inch wide as at the widest location. These are typically not features or breaks in the carbon fibers themselves and do not represent a structural failure. For separations that are larger than 1/8 inch in length and/or 1/32 inch wide as at the widest location, these are structural failures. In the event that your bow does encounter a surface impact, you must carefully inspect the riser for damage. If impacted, inspect the area for visible cracks, breaks, damage to the bow. The serial number must remain legible. THIS LIMITED LIFETIME WARRANTY IS NOT TRANSFERABLE.

2. Extreme care should be taken to avoid impact damage to a Hoyt Carbon Riser. Hoyt Carbon Risers are designed to achieve high stress flexing and high stress loading that would be associated with normal use and function of the bow. However, in general, composite structures do not withstand high load impact such as being dropped from a tree, or by having some other object impact the structure. In the event that your bow does encounter a surface impact, you must carefully inspect the riser for damage. If impacted, inspect the area for visible broken fibers, multiple webbing of wax on crocots, cracking that appears to resemble a spider-web, dried surface, or a soft flexible surface at the impact point. If any of these conditions exist on the bow, the bow should be considered damaged and should not be used or drawn any further. In the event that the bow was exposed to an impact and damage is evident as described above, you can return the bow for an evaluation. Hoyt Carbon Riser (no exceptions).

3. Hoyt Carbon Risers, or any other component of any Hoyt bow, should not be modified in any way. Hoyt warrants to the original owner, that the Hoyt bow, limbs, limb pockets and eccentric will not be free from defects in materials and workmanship for the lifetime of the product under the following terms and conditions:

4. Hoyt bows must be purchased from a Genuine Hoyt Retailer (no exceptions).

5. The original owner must return and receive an original and dated proof of purchase (sales receipt) from a Genuine Hoyt Retailer. Hoyt bows purchased through mail order, through an unauthorized retailer or via the Internet will void all warranty.

6. Hoyt Carbon Riser bows are constructed from various aluminum components that are either attached by adhesive or by mechanical fasteners such as screws, bolts or any other connection. Factory-attached components will control damage and could be physically cause harm to the owner or bystanders and will immediately void any and all warranty for the bow and/or components. Do not attempt to remove or adjust the security attachment or if the bow has a structural failure, the riser will be repaired or replaced under the normal conditions of Hoyt’s Limited Lifetime Warranty. The bow will be returned and can resume normal use.

7. Hoyt Carbon Riser bows are designed to achieve high stress flexing and high stress loading that would be associated with normal use and function of the bow. However, in general, composite structures do not withstand high load impact such as being dropped from a tree, or by having some other object impact the structure. In the event that your bow does encounter a surface impact, you must carefully inspect the riser for damage. If impacted, inspect the area for visible cracks, breaks, damage to the bow. The serial number must remain legible. THIS LIMITED LIFETIME WARRANTY IS NOT TRANSFERABLE.

8. Hoyt warrants to the original owner, that the Hoyt compound bow riser, limbs, limb pockets and eccentrics will withstand high stress flexing and high stress loading that would be associated with normal use and function of the bow. Hoyt warrants to the original owner, that the Hoyt bow, limbs, limb pockets and eccentrics will not be free from defects in materials and workmanship for the lifetime of the product under the following terms and conditions:

9. Hoyt bows must be purchased from a Genuine Hoyt Retailer (no exceptions).

10. The original owner must return and receive an original and dated proof of purchase (sales receipt) from a Genuine Hoyt Retailer. Hoyt bows purchased through mail order, through an unauthorized retailer or via the Internet will void all warranty.

11. Hoyt Carbon Riser bows are constructed from various aluminum components that are either attached by adhesive or by mechanical fasteners such as screws, bolts or any other connection. Factory-attached components will control damage and could be physically cause harm to the owner or bystanders and will immediately void any and all warranty for the bow and/or components. Do not attempt to remove or adjust the security attachment or if the bow has a structural failure, the riser will be repaired or replaced under the normal conditions of Hoyt’s Limited Lifetime Warranty. The bow will be returned and can resume normal use.

12. Hoyt warrants to the original owner, that the Hoyt compound bow riser, limbs, limb pockets and eccentrics will not be free from defects in materials and workmanship for the lifetime of the product under the following terms and conditions:

13. Hoyt bows must be purchased from a Genuine Hoyt Retailer (no exceptions).

14. The original owner must return and receive an original and dated proof of purchase (sales receipt) from a Genuine Hoyt Retailer. Hoyt bows purchased through mail order, through an unauthorized retailer or via the Internet will void all warranty.

15. Hoyt Carbon Riser bows are constructed from various aluminum components that are either attached by adhesive or by mechanical fasteners such as screws, bolts or any other connection. Factory-attached components will control damage and could be physically cause harm to the owner or bystanders and will immediately void any and all warranty for the bow and/or components. Do not attempt to remove or adjust the security attachment or if the bow has a structural failure, the riser will be repaired or replaced under the normal conditions of Hoyt’s Limited Lifetime Warranty. The bow will be returned and can resume normal use.

16. Hoyt carbon information and warranty