



# HERO X6 YOUTH COMPOUND BOW KIT OWNER'S MANUAL

**HERO SERIES**



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*sanlida*

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## THANK YOU FOR CHOOSING SANLIDA ARCHERY

Congratulations on the purchase of your new Sanlida Hero X6 youth compound bow kit.

You will be pleased to know that you have just purchased one of the world's best cost-effective bow. With proper use and some basic maintenance, your new Sanlida product will provide you with years of great shooting and reliability.

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, may cause danger, including death and serious personal injury for the archer or those around them. It is up to you to be a responsible archer protecting both you 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 reference it often. Should you lose this manual you can find a current manual online at [www.sanlidaarchery.com](http://www.sanlidaarchery.com). Good luck and safe shooting!

### BOW OWNER'S PERSONAL INFO

Fill in the following personal bow record for your reference.

Hero X6 Bow Model: \_\_\_\_\_

Color: \_\_\_\_\_

Purchased From: \_\_\_\_\_

Purchased Date: \_\_\_\_\_

Draw Length: \_\_\_\_\_ Draw Weight: \_\_\_\_\_

### IMPORTANT!

The sales receipt is your proof of date-of-purchase.  
Proof of date-of-purchase will be required if your bow ever needs warranty service.

## SAFETY INFORMATION

READ THIS MANUAL CAREFULLY BEFORE HANDLING OR USING YOUR SANLIDA BOW.  
YOU ARE RESPONSIBLE FOR ARCHERY SAFETY.

**⚠ WARNING:** Always read the warning labels and manufacturer's instructions of all products being used in conjunction with a Sanlida bow, including but not limited to all archery accessories and components directly attached to the bow or used in conjunction with the bow such as targets, arrows, release aids, etc.

**⚠ WARNING:** An 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:** Never lose hand of the bow riser while drawing the bow, holding the bow at full draw, or shooting the bow. It is important that you are able to maintain a consistent and secure grip on the bow riser without slippage of your hand on the bow grip. Use of items such as hand lotions, sunscreens, and insect repellents may limit your ability to maintain control of the grip.

**⚠ WARNING:** Always ensure that the area around your bow is clear of any objects to prevent items from being caught in the moving parts of the bow. When shooting your bow, never wear loose clothing, jewelry, or other items worn 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 up into the air. Make sure that the path from where you are shooting to the target and beyond is free from people and objects.

**⚠ WARNING:** Never dry fire your bow. To dry fire your bow, means to shoot the bow without an arrow. Never try drawing a bow that is too heavy for your 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 an Authorized Sanlida Retailer for inspection before any further use.

**⚠️WARNING:** Never loosen your limb weight adjustment bolts (Tiller Bolts) too much as it could cause the bow to violently disassemble.

**⚠️WARNING:** Do not perform any maintenance, adjustments, or have any work performed of any kind on any part of your bow while drawing or during any other part 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 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 are examples of mechanically altering your bow which will likely cause the bow to break and could cause death or serious injury.

**⚠️WARNING:** Never draw or shoot a bow with frayed, worn, or damaged strings as it could break. Frayed, worn, or damaged bowstrings should be immediately replaced before the bow is used. Only Authorized Sanlida or use-branded strings should be used on your bow. Carefully inspect the string each time before shooting your bow.

**⚠️WARNING:** Never expose your string 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 to break.

**⚠️WARNING:** Only use Authorized Sanlida manufactured replacement parts. Only Sanlida or a Authorized Sanlida Dealer should perform replacement of damaged parts. Failure to heed this warning could result in death or serious personal injury or death to yourself or bystanders.

**⚠️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.

moisture. Damage can occur to your bow from heat exposure, prolonged exposure to moisture and improper storage.

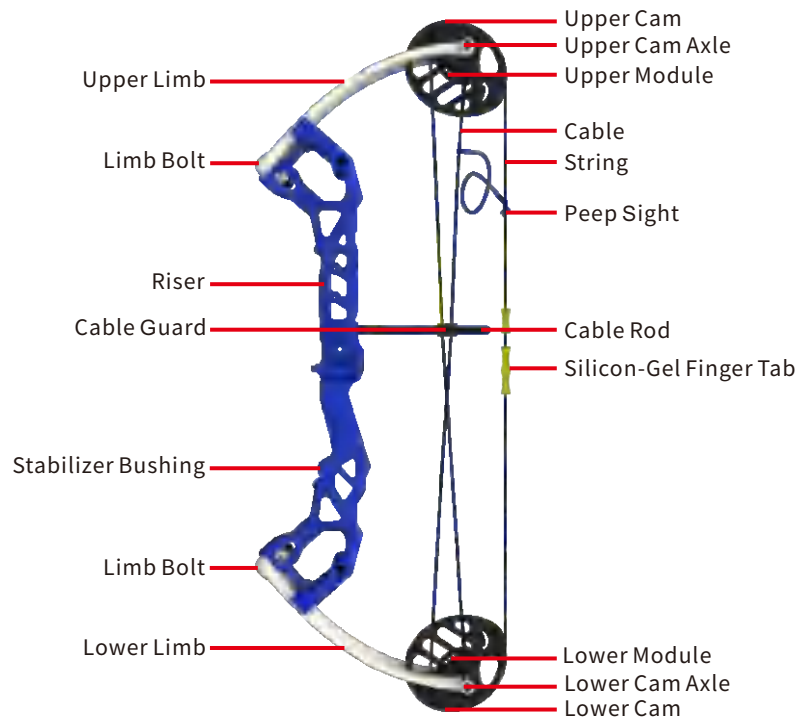
**⚠️WARNING:** When handling and using a bow, including all stages of the bow being drawn to full draw, the bowstring being released, or the bow being let down, the archer and all bystanders must keep all body parts outside of the path of the bowstring and away from all moving parts.

**BE SURE OF YOUR TARGET.** Make sure that there are no persons, livestock, buildings or other objects behind or near your target. Be absolutely sure of your target in low light conditions.

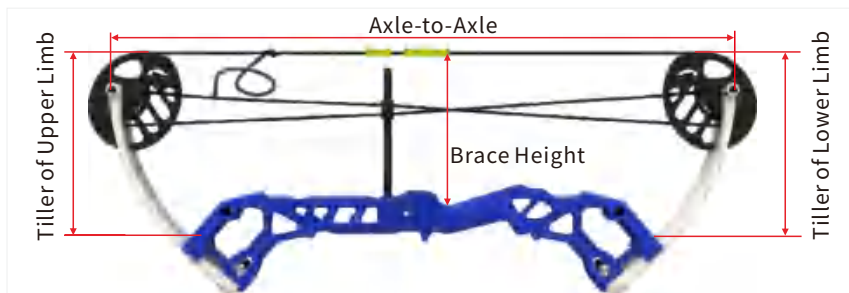


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## Bow Terminology



## Bow Basics



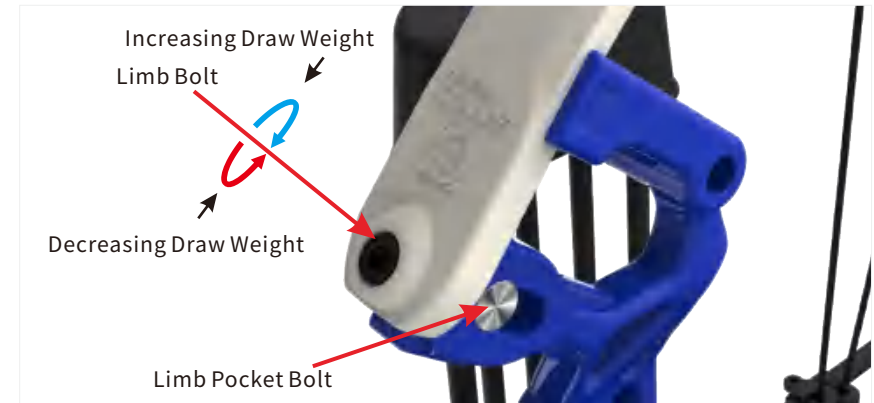
**Axle to Axle** is the length of the bow measured from the center of one cam axle to the other.

**Brace height** is the distance between the string and the pivot point of the

bow grip (deepest position of the bow grip).

**Tiller** is a measurement of the vertical distance between the limb pocket and string.

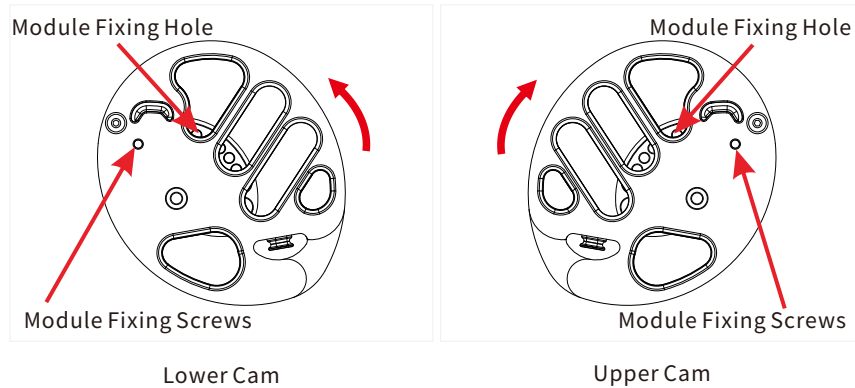
## Draw Weight Adjustment



The draw weight is from 15-30 lbs. It is important to adjust both limb bolts in equal amounts. Do not exceed the recommended turns out from the maximum draw weight. Maximum opening: 8 complete turns starting from closed position.

- ♦ The Draw weight of this bow can be adjusted, the adjustment range is 15 pounds, and the limb bolts allow adjustment of 7~8 turns.
- ♦ When adjusting the limb bolts, turn the limb bolt clockwise to increase the draw weight; turn the limb bolts counterclockwise, the draw weight is reduced. For each turn of the limb bolts, the draw weight changes by 1.5~2 pounds.
- ♦ When adjusting the draw weight, the upper and lower limbs bolts should be adjusted at the same time for the same number of turns.
- ♦ When decreasing the draw weight, do not loosen the limb bolts too much. From largest poundage to smallest poundage, limb bolts have the most allow 8 turns to loosen.

## Draw Length Adjustment



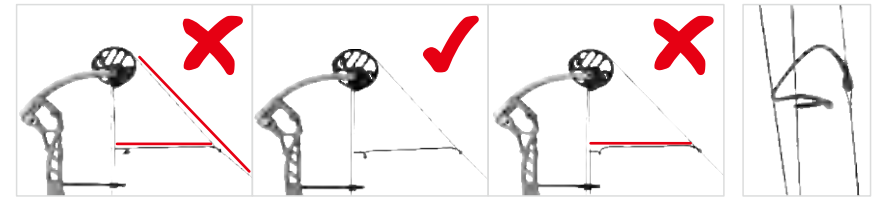
When adjusting the Draw length, first unscrew the module fixing screws, the modules of the upper and lower cams are all rotated to the same fixed position, and then fixed with the module fixing screws to finish the draw length adjustment.

The upper and lower cam modules must be on the same numbered mounting holes.

### Draw Weight - Draw Length List

| Module Position | Peak Draw Weight (lbs) | IBO Draw Length (inches) |
|-----------------|------------------------|--------------------------|
| 28              | 30                     | 28                       |
| 27              | 30                     | 27                       |
| 26              | 30                     | 26                       |
| 25              | 28.3                   | 25                       |
| 24              | 27.5                   | 24                       |
| 23              | 26.7                   | 23                       |
| 22              | 25                     | 22                       |
| 21              | 23.2                   | 21                       |
| 20              | 20.9                   | 20                       |
| 19              | 19.2                   | 19                       |

## Adjustment of the peep sight



The total length of the rubber tube is suitable for a draw length 28" . The initial factory setting length of the rubber tube is for a draw length 23" . If it needs to adjust the draw length, first untie the knot of the rubber tube, then adjust the length of the rubber tube accordingly. The method is as follows:

1. Confirm your draw length, adjust the modules to the corresponding draw length hole position (refer to the instructions for draw length adjustment in the manual)
2. Push the peep sight to adjust its position up and down, so that the center of the peep sight is aligned with the height of your eye after the bow is pulled.
3. Adjust the length of the rubber tube by tying knots to ensure that the rubber tube can align the peep sight appropriately after the bow is pulled , and that the string does not deform significantly.

## Bow Tuning

- ◆ Whether a bow can be shot accurately, in addition to the factors of human operation, the biggest influence is the synchronization of the bow.
- ◆ After the bow is pulled, the stops on the upper and lower cams are attached to the bowstring at the same time, and the cams do not rotate, which is called synchronization. If the upper and lower cams have one stop attached to the bowstring and the other do not. This means that the bow is not adjusted to be synchronized, and needs to be adjusted to achieve synchronization by adjusting the relationship between the strings and cables.
- ◆ After the bare bow is adjusted to be synchronized, after the accessories are

installed, it will be slightly out of sync due to the change of the center of gravity during normal use. Therefore, it is best to adjust the synchronization of the bow after selecting and installing the appropriate accessories.

**Situation 1:** When the axle-to-axle is slightly longer, if the lower cam parking position is attached to the bow string, the upper cam is not attached to the bow string.

**Adjustment method:** Tighten the single-head of cable at the lower cam end for several turns. Each time the single head cable is tightened one turn, the gap between the docking position and the string can be reduced by about 1mm.

**Situation 2:** When the axle-to-axle is slightly shorter, if the lower cam parking position is attached to the bowstring, the upper cam is not attached to the bow string.

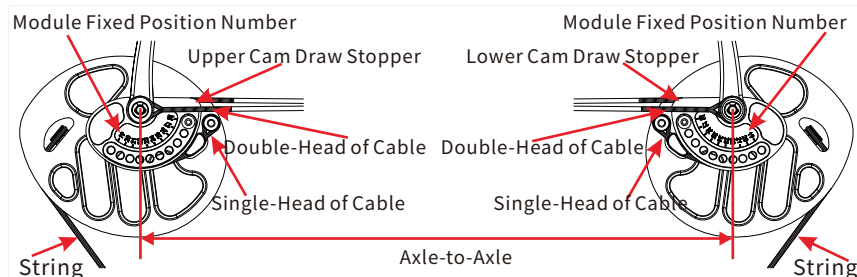
**Adjustment method:** Loosen the single-head of cable at the upper cam end for a few turns. Each loose turn the single head cable is loosened one turn, the gap between the docking position and the string is reduced by about 1mm.

**Situation 3:** When the axle-to-axle is slightly longer, if the upper cam parking position is attached to the bow string, the lower cam is not attached to the bow string.

**Adjustment method:** Tighten the single-head of cable on the upper cam end for several turns. Each turn of the single head cable is tightened one turn, the gap between the docking position and the string is reduced by about 1mm.

**Situation 4:** When the axle-to-axle is slightly shorter, if the upper cam parking position is attached with the bow string, the lower cam is not attached with the bow string.

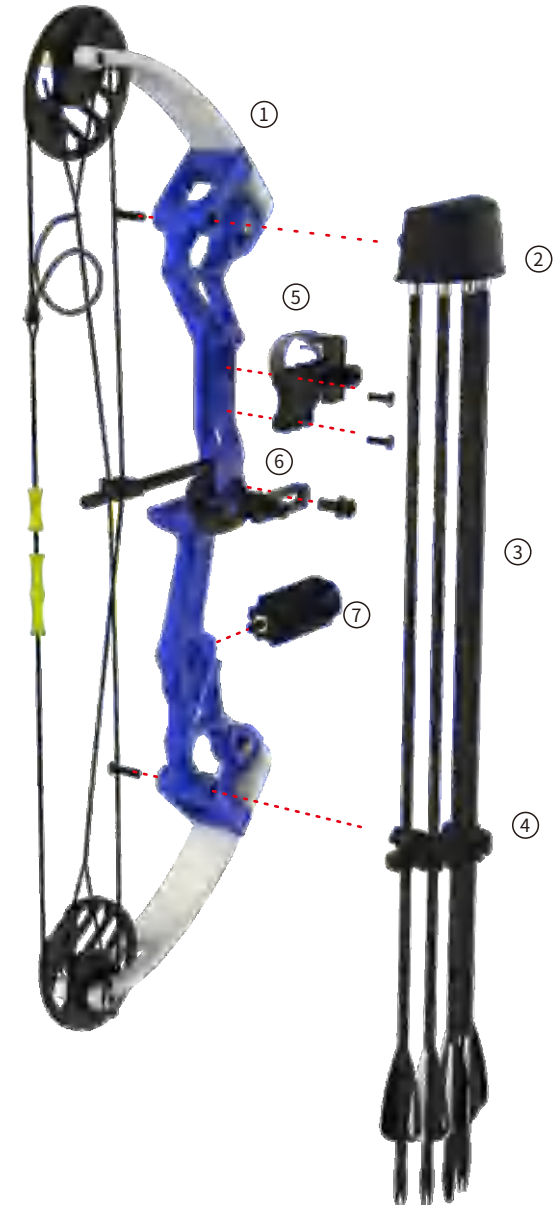
**Adjustment method:** Loosen the single-head of cable at the lower cam end for a few turns. Each time the single head cable is loosened one turn, the gap between the docking position and the string can be reduced by about 1mm.



## Accessories Installation

Please follow the figure below, install the bow accessories arrow rest, sight, stabilizer and quiver

1. Bow
2. Quiver Hood Insert
3. Arrows (12 Pcs)
4. Quiver Gripper
5. Sight
6. Arrow Rest
7. Stabilizer



## Specification

|              |          |
|--------------|----------|
| Axle-to-Axle | 28"      |
| Brace Height | 7"       |
| Draw Weight  | 15~30lbs |
| Draw Length  | 19~28"   |
| IBO(FPS)     | 260FPS   |
| Let-off      | ≈70~75%  |

## Storing And Maintaining Your Bow

**WARNING:**Never expose your bow to excessive heat or prolonged moisture.

Avoid storing your bow for extended periods of time in places such as in a garage, attic, or in the trunk of a vehicle as this can subject your bow to extreme heat or moisture. Doing so can cause damage to your limbs, strings and other parts of the bow which may not be covered under the manufacturer's warranty.

Should your bow become exposed to moisture, make sure it is completely dry before you store it. Make sure to keep your bow (especially the cams) clean and free from dust. If your bow is wet, dry it by using a soft cloth. Do not heat dry.

Avoid the use of solvents, sprays or cleaners such as mineral spirits or acetone on or around your bow as these can adversely affect the finish. Regularly check the condition of screws and bolts, replace once they begin to wear out.



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