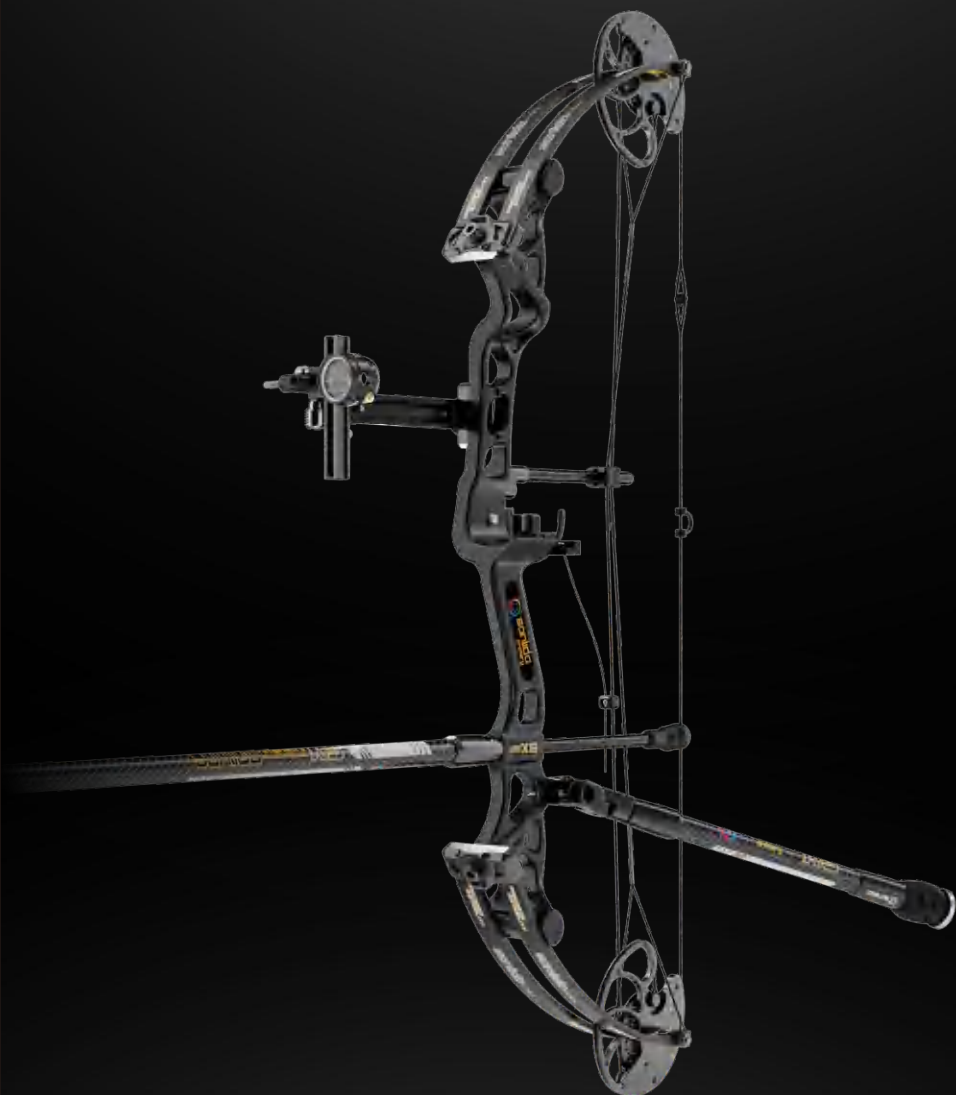


# HERO X8 TARGET COMPOUND BOW KIT OWNER'S MANUAL





Proud Partner of **World Archery**

Officially Certified Products by World Archery

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# THANK YOU FOR CHOOSING SANLIDA ARCHERY

Congratulations on the purchase of your new Sanlida archery Hero X8 bow kit package. You will be pleased to know that you have purchased the most cost-effective bow kit package on the market. With proper use and some basic maintenance, your new bow set will provide you with 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 those 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 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 X8 Bow Model: \_\_\_\_\_

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

Purchase 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

## WARNING

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

**⚠ 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:** Carefully inspect your bow before each use. Before you handle or shoot your bow, carefully inspect the condition of your bow, accessories, arrows, and your release aid to ensure they are in good and proper working condition.

**⚠ 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:** 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 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 obstructions.

**⚠ WARNING:** Never dry fire your bow. To dry fire your bow, means to shoot the bow without an arrow. A dry fire could cause your bow to break and cause death or serious injury to you or others. If your bow is dry-fired there could be both seen and unseen damage

**⚠ WARNING:** Never shoot a bow with the incorrect arrow size (spine) or the incorrect arrow length. Shooting an incorrect arrow size or length could cause your arrow to break and cause serious injury to you or others. Refer to the specific arrow 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.

**⚠ 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 string or cables as they could break. Frayed, worn, or damaged bowstrings or cables should be immediately replaced before the bow is used.

**⚠ 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:** 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.

**⚠ 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.

**⚠ 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.

**⚠ WARNING:** It is critical that your bow is set up and functioning within the bow's required safe operating parameters prior to use.  
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 before the bow is used.



# PACKING LIST OF SANLIDA ARCHERY HERO X8 BOW PRO KIT



1. Carbon Arrow 12pcs
2. X10 V-bar Screw 1pcs
3. X8 Release 1pcs
4. X8 Draw-away Arrow Rest 1pcs
5. X10 Bow Stand 1pcs
6. X8 Sight 1pcs
7. X8 Scope 1pcs
8. X9 Stabilizer Side Rod 1pcs
9. X9 Stabilizer Long Rod 1pcs
10. X10 Finger Sling 1pcs
11. X10 Quick Disconnect V-bar Single Side 1pcs
12. Screws And Wrenches 1set
13. X10 Weights 28g And X9 Damper 1 set
14. X10 Weights 56g And X9 Dampers 1set
15. X8 Arm Guard 1pcs

## Product Specification

Axle to Axle (inch)	29"
Brace Height (inch)	7.5"
Draw Weight (lbs)	7~35lbs 14~60lbs;
IBO Draw Length (inch)	16.5"~29" ,0.5" Increment
Color	Pink , White , Blue , Green , Black
IBO Speed (Fps)	300
Let-off	70%~76%

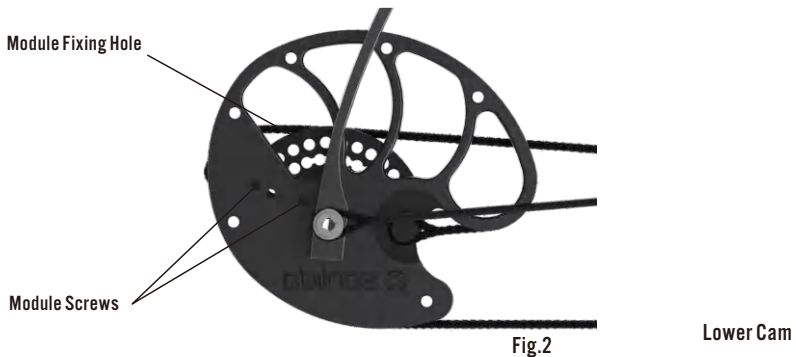
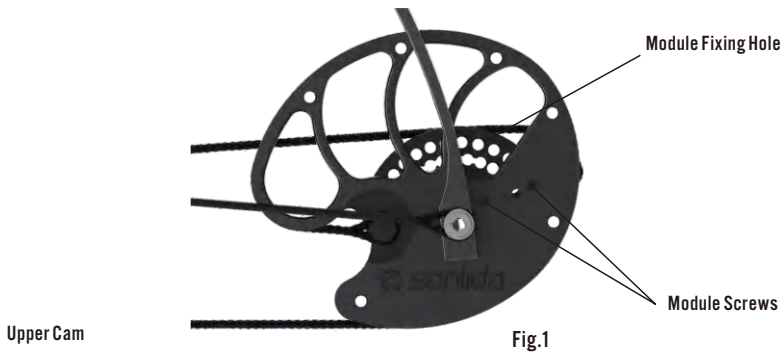
# HERO X8 TERMINOLOGY



- |                     |                            |
|---------------------|----------------------------|
| ① Upper Cam         | ⑭ Cam Axle                 |
| ② Cam Axle          | ⑮ Lower Cam                |
| ③ Upper Module      | ⑯ Lower Module             |
| ④ Upper Yoke Cable  | ⑰ Lower Limb               |
| ⑤ Upper Power Cable | ⑱ Limb Bolt                |
| ⑥ Peep Sight        | ⑲ Limb Pocket              |
| ⑦ String            | ⑳ Stabilizer Mounting Hole |
| ⑧ Cable Rod         | ㉑ Riser                    |
| ⑨ Cable Slide       | ㉒ Limb Pocket              |
| ⑩ D-Loop            | ㉓ Limb Bolt                |
| ⑪ String Stopper    | ㉔ Upper Limb               |
| ⑫ Lower Yoke Cable  |                            |
| ⑬ Lower Power Cable |                            |

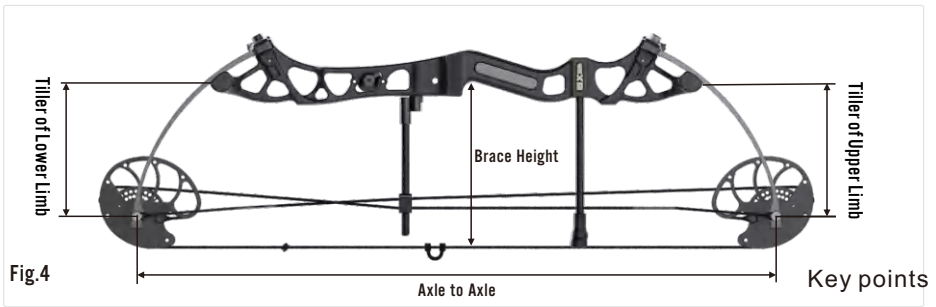


# CAM AND MODULE SYSTEM



· This bow is with the Dual-Cam system

▪ The Dual-Cam system could make draw length adjustment by rotating the cam module to different positions. The string assembling should be symmetrical between the top and the lower. There are different grooves on the cable slide to prevent the



**Axle to Axle:** The length of the bow from the center of one cam axle to the other cam axle.

**Brace Height:** The distance between the string and the pivot point of the grip (deepest position of the grip).

**Tiller** is a measurement of the distance between the top limb (rear face) and string as it compares to the same measurement of the bottom limb (rear face) and string. (See fig. 4)

## ADJUSTMENT OF THE DRAW LENGTH

To adjust the draw length, loosen the module screws first, adjust the upper and lower modules to the same fixing holes to ensure they are in the same position, (Fig.5&Fig.8), then fixed the module screws. The draw weight adjustment can be completed.

The upper and lower cams must be in the same fixing holes to ensure the same positions.

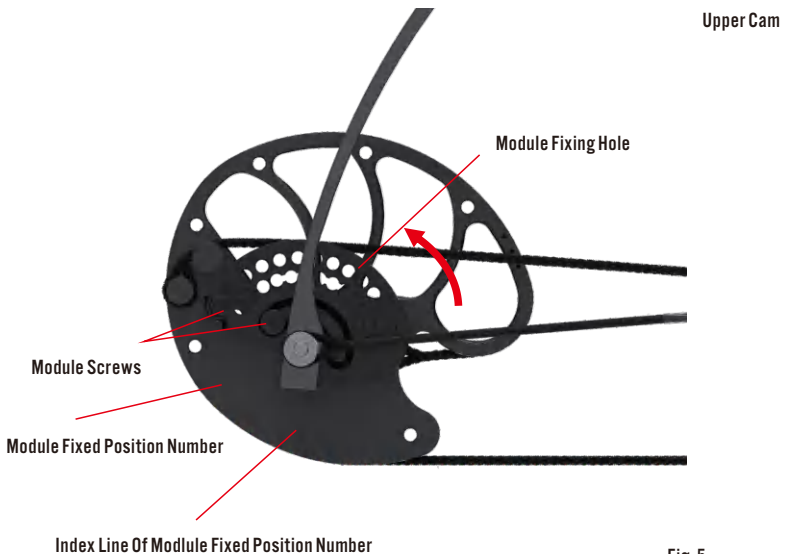


Fig. 5

Lower Cam

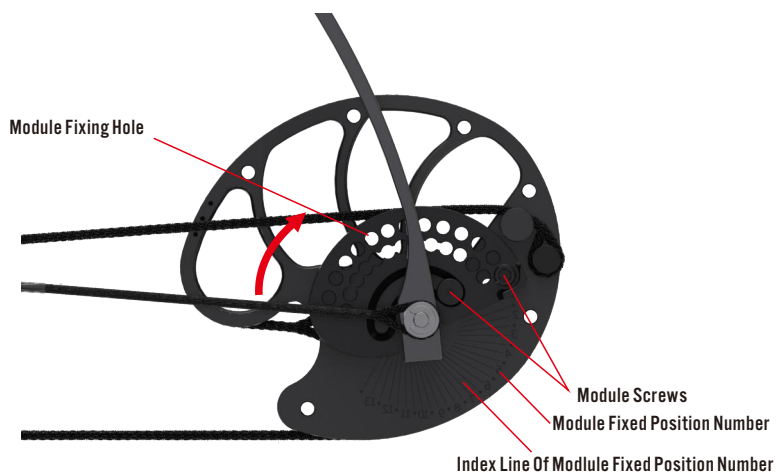


Fig. 6

### Correspondence Table - Between Module Fixed Positions, Draw Lengths and Draw Weights -

Module Fixed Position Numbers	Maximum Draw Weight(60#)	Maximum Draw Weight(35#)	IBO Draw Length (Inch)
1	60.0	35.0	29
1.5	59.8	34.0	28.5
2	59.1	33.7	28
2.5	58.7	33.5	27.5
3	58.0	33.2	27
3.5	57.4	32.8	26.5
4	56.7	32.3	26
4.5	55.7	31.7	25.5
5	54.5	31.1	25
5.5	53.5	30.3	24.5
6	51.9	29.6	24
6.5	50.4	29.1	23.5
7	48.7	27.8	23
7.5	47.1	27	22.5
8	45.3	25.8	22
8.5	43.3	24.7	21.5
9	41.4	23.5	21
9.5	39.5	23.1	20.5
10	37.6	21.0	20
10.5	35.2	19.9	19.5
11	33.1	18.7	19
11.5	30.8	17.6	18.5
12	29.2	16.6	18
12.5	29.0	15.8	17.5
13	28.8	15.4	17
13.5	28.8	15.5	16.5

# DRAW WEIGHT ADJUSTMENT

The draw weight of this bow can be adjusted.

- When adjusting draw weight every time, it will be heavier when tune the limb bolt clockwise , will be lighter when tune the limb bolt counterclockwise. Tuning one circle, the draw weight varies about 1-2lbs.
- When adjusting draw weight, the upper limb bolt and lower limb bolt must be adjusted at same circles. Then measure the vertical distance from the string to limb pocket bolt, that is, projection distance of limb. If the projection distance of the upper limb are the same as the projection distance of the lower limb, that is, adjustment of upper limb and the adjustment of lower limb are the same. Then when the bow is drawn, the upper and lower cams should be synchronized.(Fig. 8)
- Do not back the limb bolt too much when decreasing the draw weight. Please notice the limb bolt from the peep

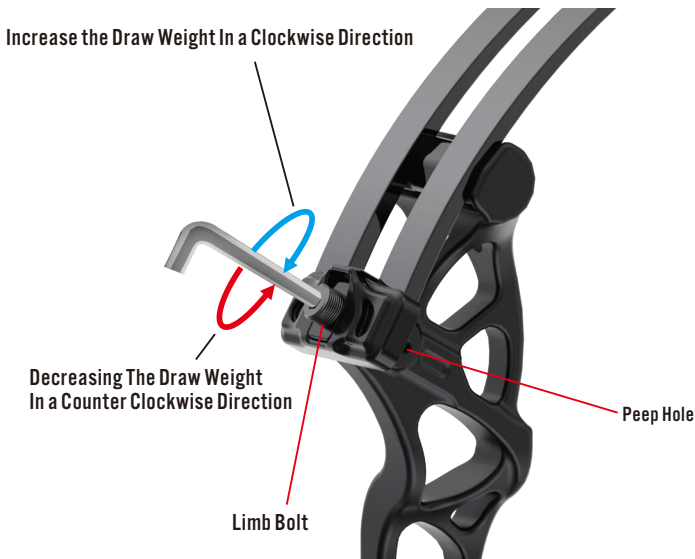


Fig. 8

# BOW PRESS INSTRUCTION

- It is necessary to make sure the initial setup of the Axle-to-Axle , brace height, cam after the entire bow string is installed and adjusted. This will ensure the performance of the bow can be fully exerted.
- The cam synchronization means the bow string hit the draw stop peg on the upper and the stop peg of lower cams simultaneously to complete the stop motion of the cam while full draw of the bow.
- When the upper cam and lower cam do not hit on the bowstring at the same time, it means that the upper cam and lower cam do not rotate synchronously. This is cams non-synchronization.
- The bow may not be synchronized after attaching accessories. If bare bow installed with different

accessories, it may also cause slight cams non-synchronization. So we recommend that a bow is only used by one person.

· When the upper cam and lower cam are out of synchronization, the length of the bow string needs to be adjusted (see the following instruction for the bow adjustment method ). Now , it is time for you to use the bow press. Here is a introduction of how to use the bow press as following:

- It's very important to use bow press correctly.
- Choose the correct bow press to make sure that the string and cables can be taken out easily when compressing the bow.
- The limb is not allowed to be pressed against the supporting pole.
- For a split bow limb, the bifurcations of the bow press should seize the end of the limb, which will help to prevent the slipping out of the bow while compressing the limbs. The bifurcations of the bow press also should have the proper length to allow the rotation of the cam when compressing the bow.
- The bow limb must be accurately leaned on the bifurcation of the bow press without twist on the limb for avoiding the falling off of the bow from the bow press and cause injury.
- Do not excessively bend the bow . To avoid abnormal bow bending, resulting in damage or broken bows and other serious accidents.
- Do not attempt to use the bow press without proper training.

## TUNING THE BOW

Compound bow can shoot accurately or not, the greatest impact is the synchronization of compound bow, in addition to the factors of human operation.

When the string stop at the draw stoppers of both cams (Upper cam and Lower cam) at the same time, and the cams can not rotate , we call that is synchronization. ( Fig. 9) If the string stop at any one draw-stopper of the cams (Upper cam and Lower cam) , the other cam do not touch the string, that means this compound bow is out of synchronization., we need to adjust the cable to get synchronization.

The best way to adjust the compound bow synchronization is after you install the accessories, because the bare bow synchronization will be changed a little out of synchronization and change center of gravity® of the bow after you install the accessories.

Situation 1: When the axle to axle is longer, the lower power cable is attached to the cam draw stopper, but the upper power cable is not.

Solution: Twist the lower power cable. 1-3mm will be adjusted smaller on the gap between the power cable and groove by each circle.

Situation 2: When the axle to axle is shorter, the lower power cable is attached to the cam draw stopper, but the upper power cable is not.

Solution: Loosen the upper power cable, 1-3mm will be adjusted smaller on the gap between the power cable

**Situation 3:** When the axle to axle is longer, the upper power cable is attached to the cam draw stopper, but the lower power cable is not.

**Solution:** Twist the upper power cable. 1-3mm will be adjusted smaller on the gap between the power cable and groove by each circle.

**Situation 4:** When the axle to axle is shorter, the upper power cable is attached to the cam draw stopper, but the lower power cable is not.

**Solution:** Loosen the lower power cable, 1-3mm will be adjusted smaller on the gap between the power cable and groove by each circle.

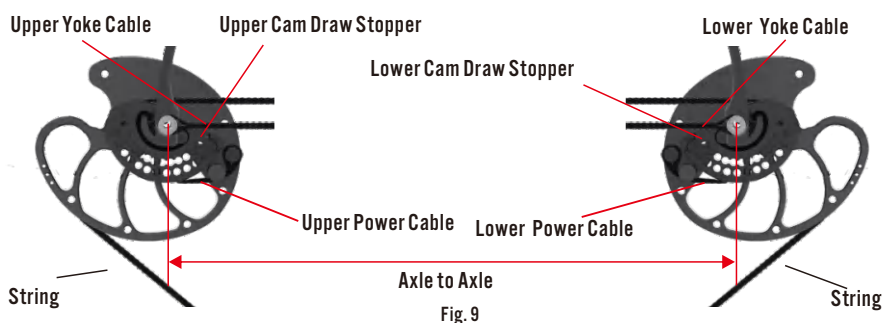


Fig. 9

## INSTALL THE ACCESSORIES

The bow was setting with international standard holes for bow accessories .( Fig. 10)

**Arrow Rest:** There are standard screw holes for arrow rest (Hole A). The lower edge of bracket for arrow rest should be parallel with the sight window.

**Bow Sight:** There are standard holes and hole gap for bow sight (Hole B), which can be fitted for all types of bow sights in the market.

**Stabilizer:** (Hole C) is for fixing the stabilizer, which is also the fixing screw hole for bow sling.



Fig. 10

## X8 Sight and X8 Scope Installation and adjustment



Fig. 11

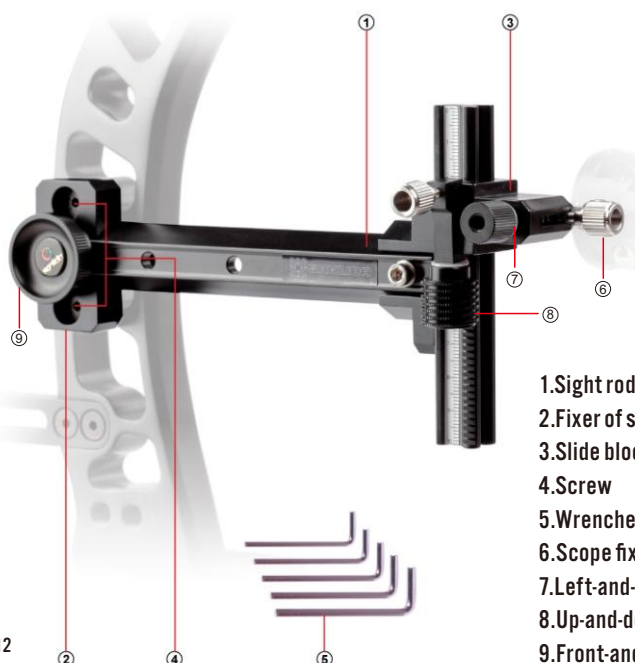


Fig. 12

- 1.Sight rod
- 2.Fixer of sight
- 3.Slide block
- 4.Screw
- 5.Wrenches
- 6.Scope fixer knob
- 7.Left-and-right adjustment knob
- 8.Up-and-down adjustment knob
- 9.Front-and-rear adjustment knob



Fig. 13

1. Take off the scope fixer knob and tube from the sight, insert the scope rod through the tube and tighten the scope fixer knob, put the spring onto the scope rod. (Fig.13)



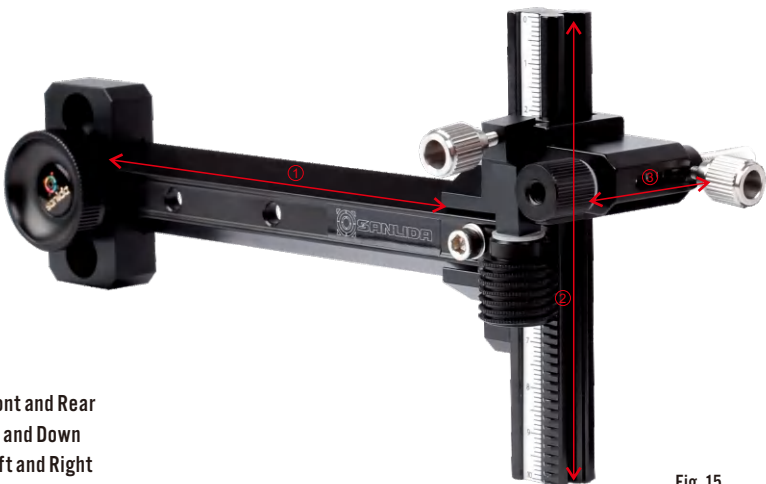
Fig. 14

2. Install the scope onto the sight slide block, tighten the left-and-right adjustment knob of sight. (Fig. 14)

3. Install the sight onto the riser, tighten the screw.

4. Adjust the scope left-and-right, to align the scope center with the string and arrow rest (Fig. 16)

5. Adjust the scope, right and left, up and down, front and rear, to get your perfect sight set; (Fig.15)



1. Front and Rear
2. Up and Down
3. Left and Right

Fig. 15





Fig. 16

## Sight and Scope Adjustment

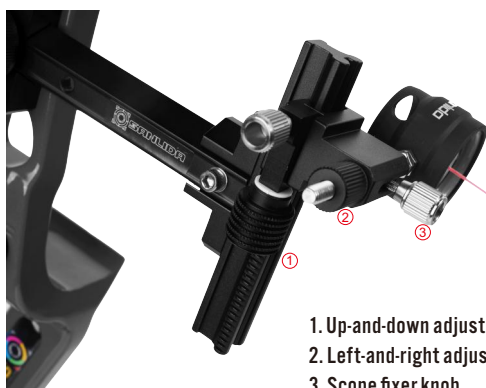


Fig. 17

1. Up-and-down adjustment knob
2. Left-and-right adjustment knob
3. Scope fixer knob

1. Loose the scope fixer knob , revolve the scope, and get the scope center into the appropriate position quickly. Then tighten the knob again.

Adjust the sight up and down or left and right into appropriate position through the up-and-down adjustment knob or left-and-right adjustment knob.

## Draw Away Arrow Rest Installation and Adjustment



Fig. 18

- 1.U groove
- 2.connection rope
- 3.rope fixer block
- 4.right and left adjustment screw
5. up and down adjustment screw
6. installation hole



Fig. 19

**Attention:** Installing the arrow rest after adjust the appropriate draw length position, as if change the draw length, then it need to adjust the arrow rest again.

1. Put the screw through installation hole, keep the arrow rest horizontal, and keep the U groove closed to the riser but do not touch the riser,
2. Adjust the U groove position up-and-down and left-and-right, align the center of U groove with the string and the center of the upper cam and lower cam, tight the screw.
3. Put the rope fixer block onto the cable, and insert rope end into the block, then turn the screw on the rope fixer block, to connect the rope with cable. Don't be too tight, it is advisable to slide on the bowstring when promote the rope fixer block with force.(fig.20)
4. Pull the bow, then the rope fixer block will slide to the appropriate position, at the same time, the U groove was pulled. Put an arrow, and keep the arrow paralleled with bow window's plate, then take out off the arrow. Be careful that never dry fire! At last, tighten the screw! (fig.21)



Fig. 20



Fig. 21

## Arrow rest adjustment



Fig. 22

1. Loose the left-and-right adjustment screw, adjust the arrow rest left and right into appropriate position, then tighten the screw.
2. Loose the up-and-down adjustment screw, adjust the arrow rest up and down into appropriate position

## V-bar, Stabilizer, Weight and Damper Installation

1. screw the weight 56g and the damper onto the stabilizer long rod (fig. 23)
2. screw the long rod into the riser stabilizer bushing tightly. (fig. 25)



Fig. 23

3. Screw the weight 28g and the damper onto the stabilizer side rod (fig. 23)
4. Put the V-bar screw through the V-bar hole onto the riser , tighten the screw. (fig. 25)



Fig. 24

5. Adjust the appropriate angle of the V-bar.

6. Take the cylindrical nut of the V-bar out, screw the cylindrical nut through the side rod end, screw the side rod into the V-bar tightly.(fig. 25)



Fig. 25

## Arm guard



Fig. 26

Wear the arm guard on the arm, placed on the inside of the arm (fig. 26)

## Finger sling



Fig. 27

Wear one end of the finger sling on index finger,. After holding the bow grip, then wear the other end of finger sling on the thumb.(fig. 27)

## Loading arrow



Fig. 28

Monochrome vane upwards , the arrow nock buckle on the bow string, put the arrow shaft on the arrow rest.(fig. 28)

Attention:

1. Observe and align the upper cam, lower cam, string, sight scope center, arrow point, and arrow nock in the same line.
2. Observe from the side if the arrow shaft is parallel with the cable guard rod. If do not parallel, then adjust the arrow rest up-and-down, to get them paralleled with each other.

## Wrist Release Usage

1. Spread the release out and place it in your palm.(fig. 29)



Fig. 29

2. Fix the straps of the release together around the wrist;(fig. 30)



Fig. 30

3. Rip the Velcro, pull it through the buckle, fold it back, pull it tight, and stick it tight.(fig. 31)



Fig. 31

4. Pull the release adjustment belt and adjust the release to the point where the first knuckle of your index finger just holds the trigger.(fig. 32)



Fig. 32

5.Push the trigger, and open the pliers mouth; hook the D-loop. (fig. 33)



Fig. 33

After holding the D-loop, release the trigger and place your index finger behind the trigger. During the whole drawing process, do not place your finger on the trigger to avoid accidentally touching the trigger or dry firing.(fig. 34)

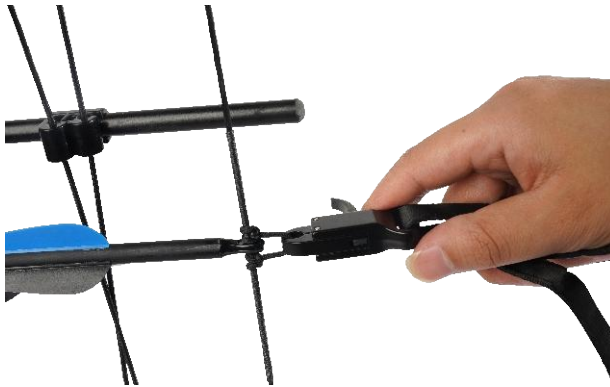


Fig. 34

Don't pull the bow without the arrow! It may cause the dry firing. Dry firing will cause damage to the bow and even cause serious injury accidents.

## Scope center adjustment

Test shooting at the standard position. If the arrow do not shot the target bullseye, then adjust scope center into the the same direction ,which the shot point is biased towards direction to the target bullseye. For example, if the shot point is left of the target bullseye, then adjust the scope point into left side. Try to adjust as little extent as possible, we recommend that adjust one or two scales at a time until the target bullseye is shot.

# BOW MAINTENANCE

## Maintenance

The necessary maintenance are required for the bow, the processes of dong them also should be taken care of, especially for some fitting parts like string, cable slide, limbs, limb pocket, bow handle, cams and cable slide rod etc. Pay much attention to the damage caused by colliding with other objects and incorrect maintenance actions.

The string and cables should be replaced after a year or several hundreds of shots. Inspect the string and cables before every shot with the bow. Stop shooting and replace the strings once there is the splitting strand occurred on the string or cables. Rub some of bee wax and string wax into the string each week.

Please clear the dust on the bow and pay much attention to the cam groove. Please wrap them to be dry if it's wet and never heat it for drying.

No lubrication on the cam and axle. Although, we recommend to make some lubrication during shooting in rainy day. Inspect periodically to ensure there is no loosening screw. Change the wear screw at once if any.

Do not expose your bow to extreme wet or heat or leave your bow in a vehicle during hot weather for extended period of time. Make the careful inspection before every shoot to ensure there is no loosen and broken screw. Inspect all fitting parts to ensure there is no broken and lost parts, especially the small parts like cable slide, string stopper rubber, bow limb shock-absorbing rubber washer, fixing screws etc. Check your bow for preventing the bow from parts broken caused by incorrect stock with it.





# NOTES

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



## LET EVERYONE ENJOY ARCHERY SHOOTING

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