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**HERO X10**  
**OWNER'S MANUAL**

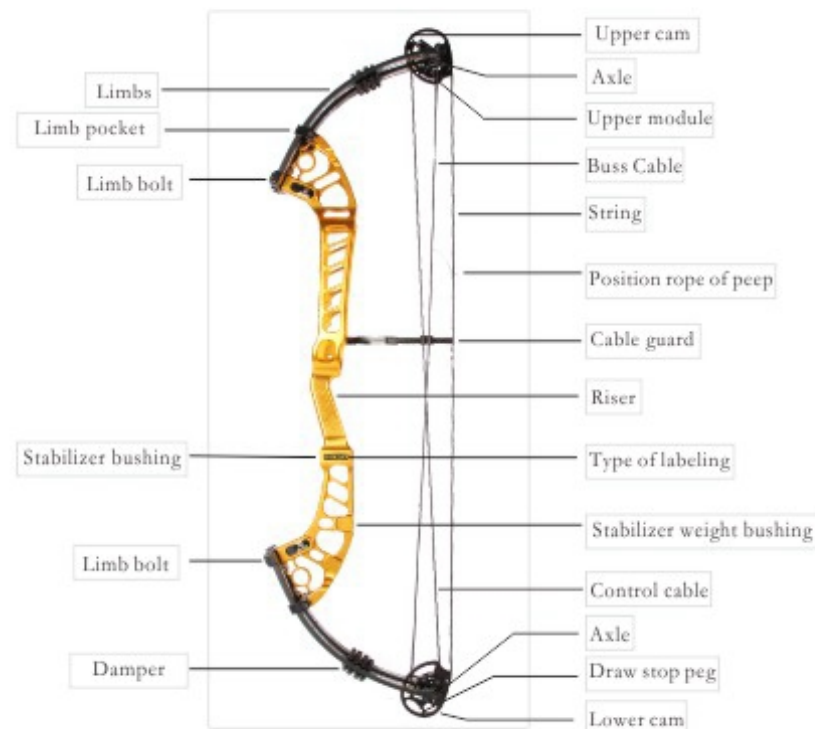
## Safety

- This is one powerful bow, so you must take upon the responsibility of using it. Please ensure your shooting area is clear and smooth as well there won't be any persons come into it by accident.
- Be sure the weight of arrow is no less than 5 grain per your bow's peak weight. (1 grain = 0.0648g).
- Inspect before every shot to ensure no damage on arrows.
- Shoot the arrows with suitable length to prevent the arrow fall down from the arrow rest when draw the bow back.
- Please check your bow regularly, and stop using it when found any bow parts damaged.
- Never aim any other peoples or other subjects except your target.
- Use the correct shooting pose to prevent the arm injury by the string.
- Never dry fire! As it would damage the bow and hurt to the shooter.
- Please notice the surroundings and ensure the enough shooting space to use the bow.
- No permission for illegal using of the bow.

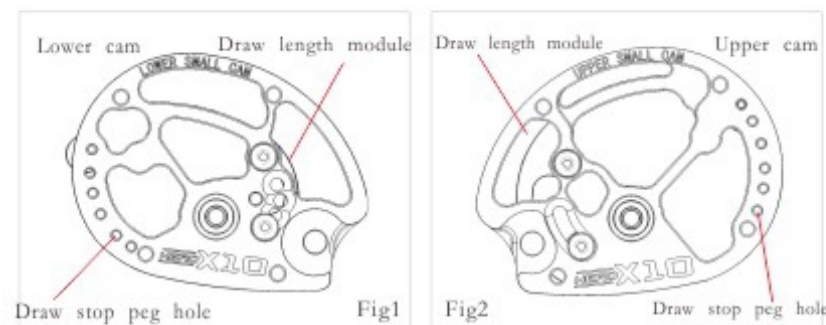
## Maintenance

- Some necessary maintenance needed by the bow, and take care of the process of doing it, 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 action.
- The string and cable should be replaced one year later or several hundreds of shots. Stop using and replace the strings as soon as the splitting strands occurred on the string. 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. Please make drying of it if it's wet and never heat it for drying.
- No lubrication needed on the cam and axle. Otherwise, we recommend making some lubrication during shooting in rainy day.
- Inspect periodically to ensure no loosening screws. Change the wear screw if any.
- Don't stock your bow in any wet condition and heat source, including putting in the car during sunny day. Make the careful inspection before every shooting to ensure no loosen and broken screws. Inspecting all fitting parts to ensure no broking and lost, especially the small parts like cable slide, bow limb shock-absorbing rubber washer, fixing screws etc. Check your bow for preventing the bow from parts broken caused by incorrect stocking of it.

## Diagram of Hero X10 Bow Components and Parts

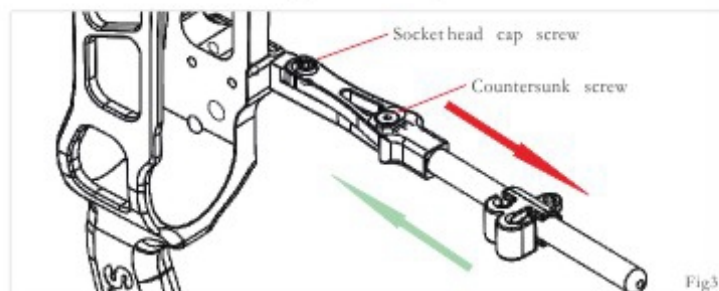


## Cam system



- The bow features a Hybrid Cam system.
- Draw length can be adjusted by changing modules.

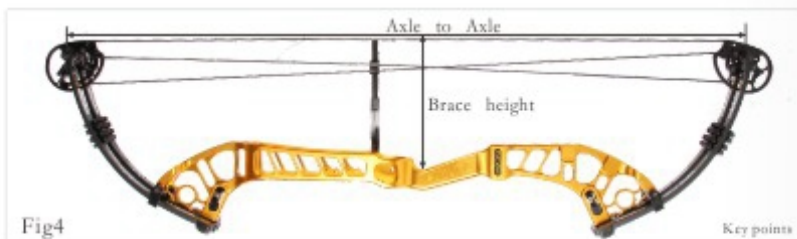
### Cable guard adjustment



Move the rod a little to the direction of red arrow in fig. 3, turn it into appropriate angle. Then push the rod back to the position for fitting into the rod mount, and tighten it by fastening fix screws.

This method can adjust the distance between two cables and the string to prevent the contact between arrow vane and cable when using vanes in different sizes.

### Key point



**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

### Bow press tool

· 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( see fig.5).
  - 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. (See figure 5.)
  - 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.



## Draw weight Adjustment

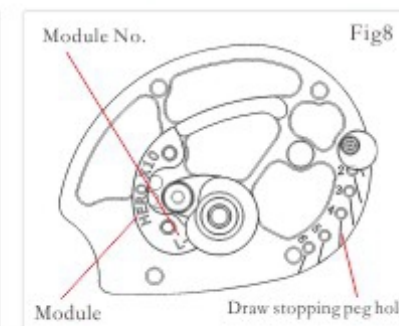
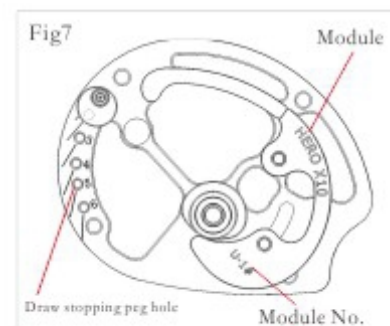
- The draw weight adjustment range is 10 pounds, and the limb bolt is allowed to adjust 4 to 5 turns.
- When adjusting the limb bolt, turn the limb bolt clockwise to increase the draw weight; turning the limb bolt counterclockwise to reduces the draw weight. Each turn of the limb bolt changes the draw weight by 2-3 lbs.
- When adjusting the draw weight, both upper and lower limb bolt must be adjusted in same turns. Then draw the bow to check if it is synchronized . Figure 6.
- When adjusting the draw weight, do not loosen the limb bolt excessively .



After use for a period of time, to prevent the limb bolt loosening, drop a few drops of "Loctite 242-thread locker" adhesive into the observation hole, and then turn the limb bolt several turns to make the glue spread evenly.

## Draw Length Adjustment

- When adjusting the draw length, you need to change the upper modules and lower modules at the same time.
- When changing the modules, the numbers of the upper module and lower module must be the same.
- When changing the module, it is necessary to install the draw stop peg into the peg fixing hole with the same number as the draw length module.
- The scale of the same number on the stop peg aligns with the scale on the cam. The draw length adjustment would be finished completely.
- Changing the module may cause slight changes of both bow draw weight and cam synchronization.

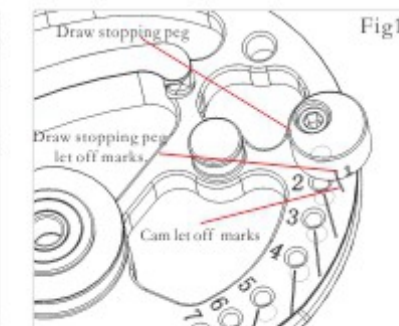
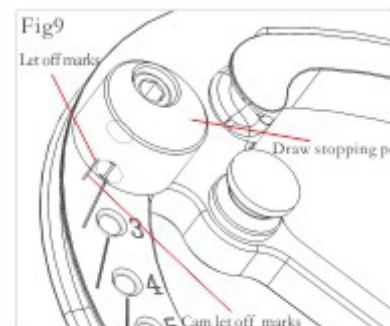


## Let-offs Adjustment

After changing appropriate module, if you need to adjust the let-off, you can adjust the degree of eccentricity of the draw stop peg .

There are three scales on draw stop peg, each scale corresponds to a different let-off. The let-off is 65% when the scale 1 on both draw stop pegs correspond to the scale of the draw stop peg hole. The let-off is 68% when the scale 2 on both draw stop pegs correspond to the scale of the draw stop peg hole. The let-off is 70% when the scale 3 on both draw stop pegs correspond to the scale of the draw stop peg hole.

The range of let-off is about 65%-70%.



### Corresponding of the scale of the stop peg and let-off

The scale on the Stop-block	1	2	3
Let-off	65%	68%	70%

## Bow Tuning

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 stop peg of both cams (upper cam and lower cam) at the same time, and the cams can not rotate, we call that is synchronization, see in Figure 11. If the string stop at one draw stop peg of the cams (upper cam or lower cam), the other cam do not touch the string, that means this compound bow is out of synchronization, Then we need to adjust the cable to get synchronization.

Adjust the compound bow synchronization 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 : axle to axle are a little bit longer

If lower cam draw stop peg touch string and the upper cam draw stop peg do not touch string, we need to add twists of the buss cable, each twist of cable can adjust the distance between string and the peg about 1mm.

Situation 2 : axle to axle are a little bit shorter

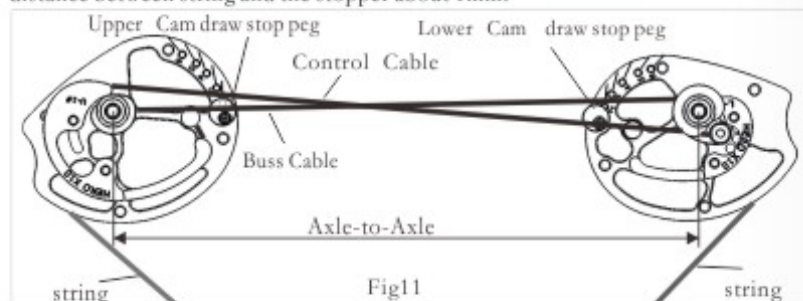
If lower cam draw stop peg touch string and the upper cam draw stop peg do not touch string, we need to subtract twists of the control cable, each twist of cable can adjust the distance between string and the stopper about 1mm.

Situation3 : axle to axle are a little bit longer

If upper cam draw stop peg touch string and the lower cam draw stop peg do not touch string, we need to add twists of the control cable, each twist of cable can adjust the distance between string and the stop peg 1mm.

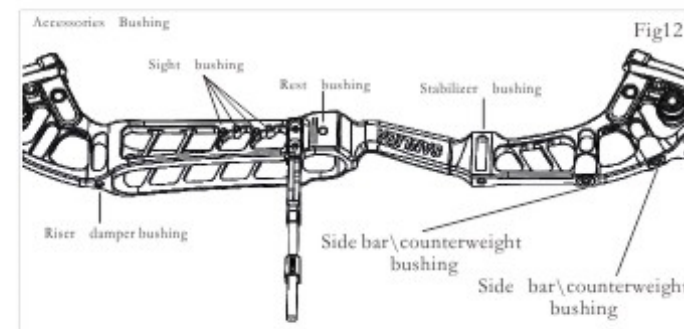
Situation4 : axle to axle are a little bit shorter .

If upper cam stop peg touch string and the lower cam stopper do not touch string, we need to subtract twists of the buss cable, each twist of cable can adjust the distance between string and the stopper about 1mm.



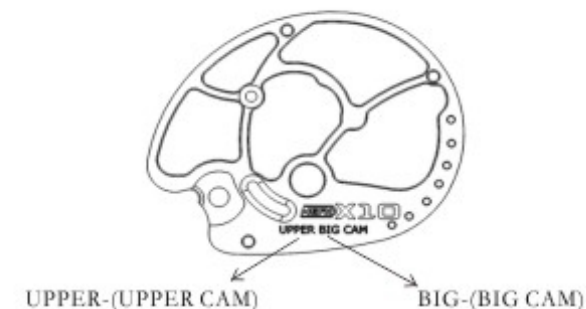
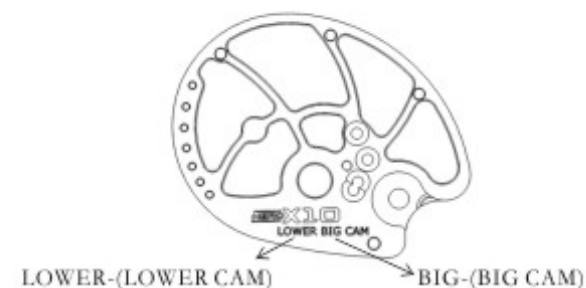
## Install the accessories

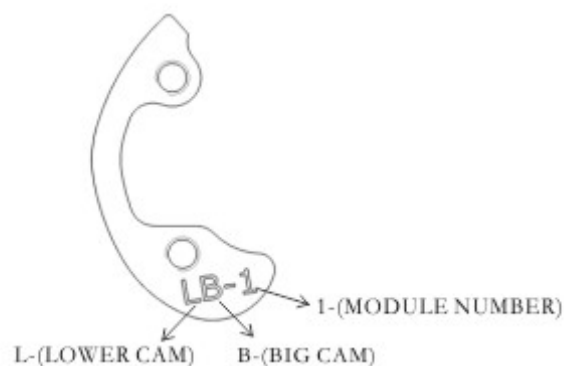
This product has the international standard fitting connector. See picture 12. Please install all related accessories according to the fitting holes position in fig.12.



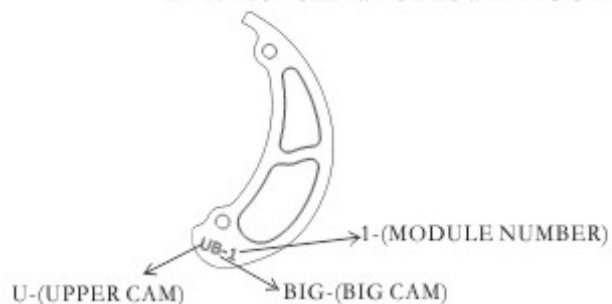
Cam system

Example:





LB-1: MODULE 1# FOR LOWER BIG CAM



UB-1: MODULE 1# FOR UPPER BIG CAM

### CAM-MODULES-DRAW LENGTH CORRESPONDING RELATIONSHIP CHART

CAM SYSTEM	CAM	MODULE NUMBER	DRAW LENGTH(INCH)
BIG CAM SYSTEM	UPPER BIG CAM & LOWER BIG CAM	UB-1&LB-1	32
		UB-2&LB-2	31.5
		UB-3&LB-3	31
		UB-4&LB-4	30.5
		UB-5&LB-5	30
		UB-6&LB-6	29.5
		UB-7&LB-7	29
MEDIUM CAM SYSTEM	UPPER MEDIUM CAM & LOWER MEDIUM CAM	UM-1&LM-1	29.5
		UM-2&LM-2	29
		UM-3&LM-3	28.5
		UM-4&LM-4	28
		UM-5&LM-5	27.5
		UM-6&LM-6	27
SMALL CAM SYSTEM	UPPER SMALL CAM & LOWER SMALL CAM	US-1&LS-1	27
		US-2&LS-2	26.5
		US-3&LS-3	26
		US-4&LS-4	25.5
		US-5&LS-5	25

### Product specification

Draw weight (lbs)	30-40 (lbs) ; 40-50 (lbs) ; 50-60(lbs)
Draw length (in)	Small cam : 25"~26.5"; Middle cam: 27"~29.5"; Large cam: 29"~32" (0.5"/Module)
Color	Gold, Red, Lake blue, Cobalt blue, Black, Green, Yellow, Purple, Silver
IBO Speed(FPS)	320FPS
Let-off	65%~70% (Continuous adjustment)