

# INSTALLATION & SIGHT IN INSTRUCTIONS FOR THE TETRA MAX ADJUSTABLE BOW SIGHT AND THE HOYT IN-LINE MOUNTING SYSTEM

## CAREFULLY READ THE FOLLOWING INSTRUCTIONS COMPLETELY BEFORE MOUNTING OR SIGHTING IN YOUR BOW!

### Mounting the sight on your bow:

1. Vertically position the Tetra Max in the center of the Picatinny rail. Clamp securely.
2. Position the INFINITE ADJUST PLATE into the SLIDE as shown.
3. Moderately snug both cap screws in the INFINITE ADJUST PLATE.
4. Slightly snug the top screw in the 2nd AXIS BLOCK. Loosen the bottom screw. Grasping the SCOPE, rotate the entire 2nd AXIS BLOCK/ SCOPE assembly clockwise/counter-clockwise to position it in the approximate center of the 2nd AXIS "swing". Tighten the bottom screw, then tighten the top.

**Note:** The 2nd AXIS BLOCK has a hole at the top and a slot at the bottom for attachment to the INFINITE ADJUST PLATE. The average archer may not use this feature and will simply position the bottom screw in the "MIDDLE" of the slot before tightening. The more technical archer will require that the level in the scope housing is positioned perfectly square with the vertical axis of the bow. This is done by mounting the bow vertically in a bow vise. With the TOP mounting screw slightly snug, and the bottom screw loose, rotate the entire 2nd AXIS BLOCK/SCOPE ASSEMBLY until the bubble in the level is positioned between the witness marks. Tighten the BOTTOM screw, then the TOP.

### Sighting in:

1. WINDAGE (left and right) adjustment: The TETRA MAX has a "course click" and a "micro click" for fast and precision LEFT/RIGHT adjustment.
  - a. Loosen the WINDAGE LOCK KNOB, and push the entire scope assembly LEFT/RIGHT through the 2nd AXIS BLOCK to roughly position the sight pin in vertical alignment with your arrow. Tighten the WINDAGE LOCK KNOB.
  - b. At CLOSE RANGE, shoot several arrows to determine the direction of adjustment required.
  - c. If your arrows group to the LEFT of the target:
    1. Loosen the WINDAGE LOCK KNOB (rotate counter-clockwise).
    2. Rotate the CLICKER KNOB counter-clockwise for RIGHT HANDED bow.  
Rotate the CLICKER KNOB clockwise for LEFT HANDED bow.
  - d. If your arrows group to the RIGHT of the target:
    1. Loosen the WINDAGE LOCK KNOB (rotate counter-clockwise).
    2. Rotate the CLICKER KNOB clockwise for RIGHT HANDED bow.  
Rotate the CLICKER KNOB counter-clockwise for LEFT HANDED bow.
  - e. One click = 1/8" at 20 yards.
  - f. Always tighten the WINDAGE LOCK KNOB before shooting (rotate clockwise).

2. ELEVATION (up and down adjustment) / Selecting the correct yardage tape:

Your TETRA MAX comes PRE-SET from the factory with a removable SET-UP Spool reading "0" when the SLIDE is moved to the UPWARD-MOST POSITION. It also comes complete with a set of 52 different tapes numbered from 26 (extremely fast bow) to 77 (moderately slow bow). The numbers on the SET-UP tape are **NOT** yardage marks. They are merely a means of measuring and selecting the proper yardage tape. In order to select the correct tape, you must have a SAFE range with a measured 20 yards and a measured 60 yards.

- a. Rotate the SET-UP SPOOL counter-clockwise (for R.H.), clockwise (for L.H.) to position the SLIDE in the UPWARD-MOST POSITION. Tighten the SPOOL by rotating the DIAL LOCK clockwise. The "ZERO" on the SET-UP tape is now aligned with the needle/magnifier.
- b. SIGHT IN AT 20 YARDS by loosening the (2) screws 1/4 turn in the INFINITE ADJUST PLATE, and sliding it vertically along the SLIDE scale.
- c. SIGHT IN AT 60 YARDS by rotating the SET-UP SPOOL. Note: The accuracy of the entire shooting system depends on an extremely accurate sighting at both 20 and 60 yards.
- d. Once you are accurately sighted in at 60 yards, lock the SET-UP SPOOL by rotating the DIAL LOCK clockwise.
- e. Make note of the number on the SET-UP tape that is aligned with the needle. (example: 50)
- f. The sight tapes in the enclosed kit are numbered from 26 to 77. Our example shows that we need tape # 50. Simply peel tape #50 from the kit and carefully apply it to the BLANK SPOOL. **Note:** The "20" should be placed **LEFT** of the set screw for **RIGHT HAND**, and **RIGHT** of the set screw for **LEFT HAND**.
- g. After the YARDAGE tape is squarely applied to the BLANK SPOOL, remove and apply the enclosed Mylar decal over the two tape ends to secure.
- h. Loosen the set screw in the SET-UP SPOOL and remove the spool from the HUB by pulling it straight off.
- i. Slide the YARDAGE SPOOL all the way onto the HUB. Rotate the spool to position the "60" in line with the red indicator in the MAGNIFIER or needle. Tighten the set screw (Do **NOT** over-tighten!!!). Loosen the DIAL LOCK.

**IMPORTANT:** If, in the future, you wish to re-sight in your TETRA MAX, rotate the YARDAGE SPOOL to position the SLIDE in the UPWARD-MOST POSITION, then tighten the DIAL LOCK. Remove the YARDAGE SPOOL and replace it with the SET-UP SPOOL. Before tightening the set screw, rotate the spool to align the "0" with the red line in the magnifier or needle. Tighten the set screw (Do **NOT** over-tighten!!!) Loosen the DIAL LOCK. Your sight is now restored to the original factory setting.

3rd Axis Adjustment:

The 3rd axis adjustment is a feature that is generally used by competition archers and by those that hunt in mountainous terrain. Most archers ignore this feature but it is built into the TETRA MAX for those that wish to use it. It is best to have a qualified bow technician set your 3rd axis. With the bow mounted vertically level in a bow vise, and with the 2nd axis previously calibrated, the vise is tilted forward 45 degrees and locked. The level in the scope is then observed to assure that the bubble is still reading true. If not, loosen the 3rd AXIS LOCK SCREW. Insert the enclosed wrench into the 3rd AXIS ADJUSTMENT SCREW and rotate until the bubble is centered. Next, the bow vise is loosened, tilted backwards 45 degrees, and locked. Check that the bubble reads true. Tighten the 3rd AXIS LOCK SCREW.

Replacing the magnifier with the stainless steel needle:

- Step 1. Rotate the SPOOL to position the SLIDE in the UPWARD-MOST POSITION. Tighten the DIAL LOCK.
- Step 2. Remove the set screw in the SET-UP / YARDAGE SPOOL. Remove the SPOOL from the HUB.
- Step 3. Remove the set screw that secures the magnifier.
- Step 4. Insert a small diameter object (nail, pen...) into the access hole in the bracket to PUSH the magnifier out of the bracket. Do **NOT** place a pliers on the magnifier to remove.
- Step 5. Install the needle insert into the bracket and secure it with the set screw provided.
- Step 6. Replace the SET-UP SPOOL with the "0", or YARDAGE SPOOL with the "20" aligning with the needle. Replace and tighten the SPOOL set screw (Do **NOT** over-tighten!!!)

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