FORWARD DRAW CROSSBOW ASSEMBLY MANUAL

FOR ALL FORWARD DRAW CROSSBOW MODELS MANUFACTURED BY

TENPOINT CROSSBOW TECHNOLOGIES®
HORTON CROSSBOW INNOVATIONS®
WICKED RIDGE CROSSBOWS®

⚠ TO REDUCE YOUR RISK OF SERIOUS INJURY, YOU MUST READ, WATCH AND FOLLOW ALL WRITTEN AND VIDEO WARNINGS AND INSTRUCTIONS PROVIDED WITH THIS PRODUCT. IF YOU HAVE ANY QUESTIONS OR ARE UNSURE ABOUT ANYTHING IN THE WARNINGS AND INSTRUCTIONS, STOP AND CONTACT THE CUSTOMER SERVICE DEPARTMENT AT: 330-628-9245 OPTION 2.

TenPoint Crossbow Technologies | Horton Crossbow Innovations by TenPoint | Wicked Ridge Crossbows by TenPoint

PROUDLY MADE IN THE U.S.A.

Forward draw crossbows are easy to assemble. Basically, you only have to bolt the bow assembly to the stock assembly, install the foot stirrup and you are ready to shoot. Once assembled correctly, your crossbow is pre-sighted for 20-yards.

Lay out the contents of your crossbow box in front of you. Be certain the box contains all of the following items before beginning assembly (photo 1):

- One (1) complete stock assembly
- One (1) complete bow assembly
- One (1) cable saver
- One (1) VIBRA-CUSH™* (pre-installed at factory)
- One (1) foot stirrup
- One (1) large clear plastic bag containing paperwork (including an Owner's Instructional DVD) and one (1) other sealed plastic bag containing the main assembly bolt, sample tube of lube, Allen wrenches, and washers if required for your specific model*.
  **Only on specific models*

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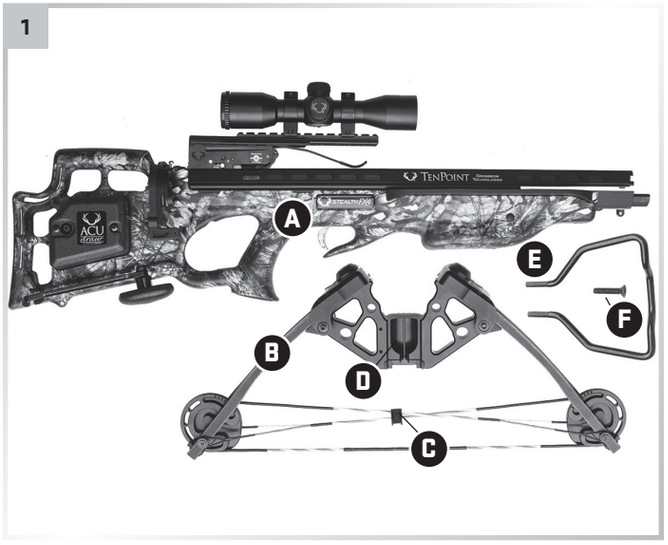


A. *Stock Assembly* ***B.*** *Bow Assembly* ***C.*** *Cable Saver* ***D.*** *VIBRA-CUSH** ***E.*** *Foot Stirrup* ***F.*** *Main Assembly Bolt & washers**

ASSEMBLY STEPS

1. Apply a small amount of the sample lubricant to the center of each cable, then attach the cable saver to the cables. **NOTE: Do not attach the bow assembly to the stock assembly without the cable saver – cable damage will occur and the crossbow will be unsafe to shoot.**

- When viewing the cable saver from the side, with its "dish" (concave surface) facing up, notice that one of the two cable notches is positioned deeper into the cable saver (closer to the "dish") than the other.

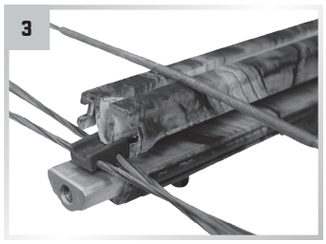
- Because the cables cross, one rests on top of the other. The top cable goes into the deeper of the two cable saver notches and the bottom cable goes into the shallower cable saver notch (photo 2), allowing the cable saver to maintain a relatively level position on top of the two cables.

Make certain your cables go into the correct slots in your cable saver.

- Before sliding the cable saver into the barrel's cable slot, apply a drop of Flight Rail and Trigger Lube (HCA-111) to the "dish" (concave surface) or top of the cable saver (the part that comes in contact with the underside of the barrel's arrow flight groove).

2. Attach the bow assembly and foot stirrup to the stock assembly as follows:

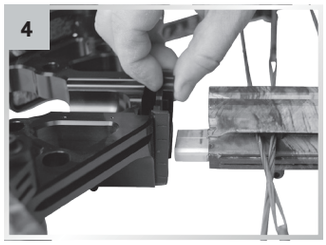
- Position the bowstring on top of the barrel's flight deck while you insert the cable saver (concave side up) and the cables into the barrel's cable slot. The cable saver's concave groove ("dish") should mate with the underside of the barrel's arrow flight groove (photo 3).



The bowstring sits on the barrel's flight deck while the cable saver and cables slide into the cable slot.

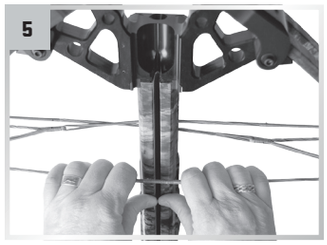
- If you intend to install a Bowjax Noise Dampening Package on your crossbow, follow step 2 of the Bowjax installation instructions to install the barrel dampeners at this point.

- Ensure that the pre-installed VIBRA-CUSH (if your model requires one) is in place with its cutout side facing the barrel (photo 4).



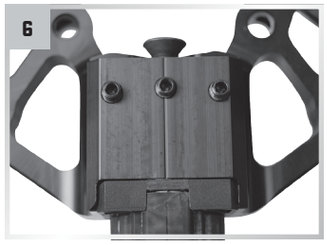
The VIBRA-CUSH goes between the riser and the barrel (on specific models), with the cutout side facing the barrel.

- Pull the bow assembly toward the trigger assembly until the riser location rod, protruding from the front of the barrel and through the VIBRA-CUSH (if required), mates with the hole in the riser. Do not twist or rock the bow assembly to the extent that you rub the cables along the slightly sharp edges of the barrel's cable slot. You do not want to cut any of your cable strands. Pulling up and back slightly on the bowstring may assist you in seating the bow assembly onto the stock assembly (photo 5).



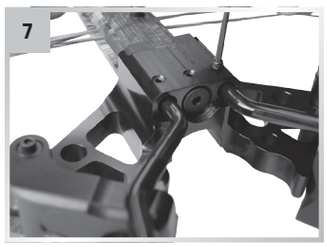
Pull up and back slightly on the bowstring to seat the bow assembly.

- After you make sure the main assembly bolt's locking setscrew is loosened, insert the main assembly bolt (and washers if required) (photo 6). You may need to use your free hand to lift the string off the barrel (sometimes as much as an inch) until the hole in the end of the riser rod and the assembly bolt hole in the riser are perfectly aligned. Then, finger-tighten the bolt at least a few turns.



1. Main Assembly Bolt (and washers if required)
2. Main Assembly Bolt's Locking Setscrew
3. Foot Stirrup Locking Setscrews.

- Finish tightening the bolt using your Allen wrench while continuing to lift the string off the barrel. If the alignment is correct, you will have no difficulty. Do not use a cheater-bar when tightening the main assembly bolt.



Once the foot stirrup is in place, tighten all three setscrews (if you are not mounting your quiver to the crossbow).

- Insert the foot stirrup into the two receiving holes located at the front of the riser. Make sure the "valley" in the stirrup's foot-pad points down so that it does not block the arrow's flight path. Tighten all three locking setscrews located on the bottom of the riser to lock the main assembly bolt and the foot stirrup in place if you are not mounting your quiver (photo 7).

NOTE: If you will be mounting the 3-Arrow Instant Detach Quiver either to the bottom of the riser or with an ambidextrous quiver bracket, follow the corresponding mounting directions on pages 3 & 4.

- You are now ready to test-fire your crossbow and fine-tune your sights (See appropriate **Cocking, Loading & Sighting** sections in the **General Manual**).

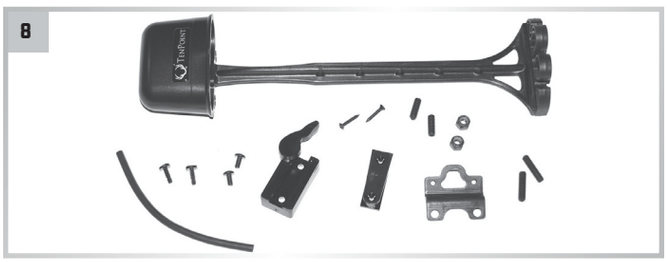
QUIVER MOUNTING

YOUR QUIVER MOUNTING KIT IS EASY TO INSTALL.

The quiver mounting kit contains the following parts (photo 8):

- One (1) Quiver
- One (1) Rubber hose (quiver hanger)
- Two (2) Hose plugs
- One (1) Quick disconnect (male) attachment
- Two (2) 3/4-inch oval counter-sink Phillips screws
- One (1) Quick disconnect (female) attachment with lever
- Two (2) or Four (4)* Phillips pan-head machine screws
- One (1) Quiver mounting bracket
- Two (2) 7/16-inch Nylock Nuts
- Two (2) 3/4-inch setscrews (for TenPoint and Horton quiver mounting)
- Two (2) 1-inch setscrews (for Wicked Ridge quiver mounting)
- One (1) Ambidextrous side-mount quiver bracket*

*Extra parts for side-mount quiver bracket use only in specific packages. Follow steps 1-5 for both quiver mounting options:



3-Arrow Instant Detach Quiver Mounting Kit

1. Attach the rubber hose to the quiver cup. First, from the bottom of the quiver's cup, insert both ends of the rubber hose approximately two-inches into each hole and insert a hose plug into each end. Then, pull the hose back toward the bottom of the quiver cup and seat the hose plugged ends into the counter-sunk holes (photo 9).

NOTE: Once inserted, the hose plugs cannot be removed.

Attach rubber hose to quiver cup.

2. Position the quick disconnect (male) attachment to the backside of the quiver post, over the 3rd and 4th holes from the quiver cup*. Insert the 3/4-inch oval counter-sink Phillips screws and tighten (photo 10).

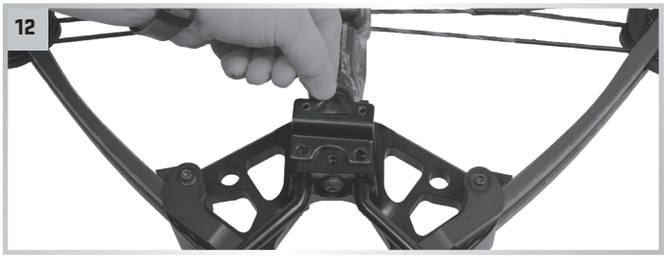
   **If using the optional TenPoint Ambidextrous Side-Mount Quiver Bracket (HCA-017), position the male attachment over the two holes closest to the quiver cup (photo 10a).*

Attach quick detach (male) attachment.

3. Remove the two pre-installed 1/4-inch foot stirrup setscrews from the crossbow riser (photo 11).

Remove 1/4-inch setscrews holding foot stirrup in place.

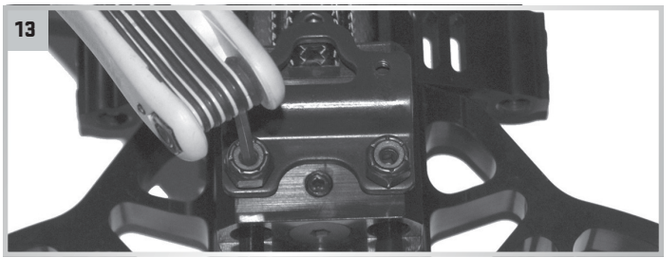
4. With the foot stirrup in the proper position, place the quiver's mounting bracket over the two holes you just removed the setscrews from. The mounting bracket holes should face forward toward the foot stirrup (see photo 12 for orientation).



Place the quiver mount bracket over the two foot stirrup setscrew holes.

5. Insert and tighten the two 3/4-inch setscrews* (with Nylock nuts) into the same holes you removed the setscrews from. Then, using a 7/16-inch open-ended wrench, tighten the two Nylock nuts until the quiver mounting bracket is secure and tighten (photo 13). Do not over-tighten.

***NOTE:** Use the 1-inch setscrews if mounting the quiver to a Wicked Ridge crossbow.



Insert the 3/4-inch setscrews & Nylock nuts (use the 1-inch setscrews for Wicked Ridge crossbows).

Follow steps 6-7 to mount the quiver directly to the riser (follow steps 6a-8a for side-mount installation).

6. Install the quick disconnect (female) attachment with lever, on the quiver mounting bracket using two Phillips pan-head machine screws. Align the open end with the lever either facing the left or right side of the crossbow, based on personal preference (photo 14).

7. Insert the quiver with male attachment into the quick disconnect (female) attachment with lever, and lock into place (photo 15).

SIDE-MOUNT INSTALLATION:

6a. Choose which side you want the quiver located and attach the side-mount quiver bracket to the quiver mounting bracket assembly accordingly (the flanges on the side-mount bracket will be facing down from the bottom of the crossbow). Insert two Phillips pan-head screws, through the bottom of the side-mount bracket, into the quiver mounting bracket assembly (photo 16).

7a. Attach the female lever-lock attachment to the opposite end flange with two Phillips pan-head screws (photo 17).

8a. Insert the quiver with male attachment into the quick disconnect (female) attachment with lever, and lock into place (photo 18).

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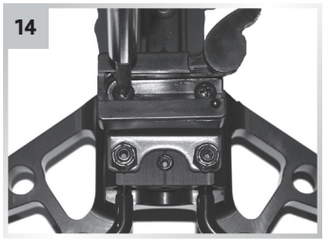
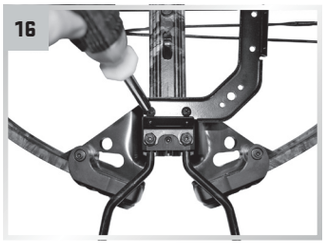


Install the quick disconnect (female) attachment.

15

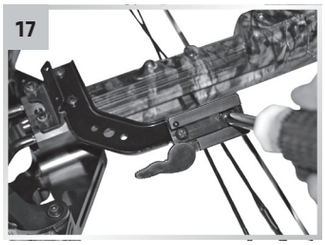
Insert the 3-Arrow Instant Detach Quiver into the female bracket and lock into place with the lever.

16



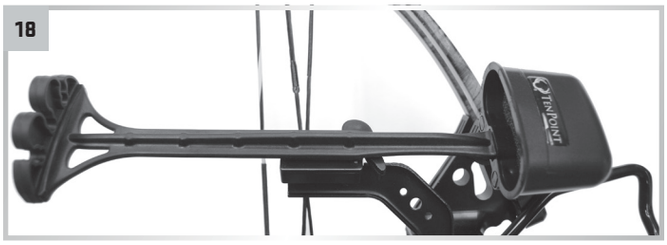
Attach the side-mount bracket to the quiver mounting bracket assembly.

17



Install the female lever-lock attachment.

18



Insert the 3-Arrow Instant Detach Quiver into the female bracket and lock into place with the lever.

ADJUSTABLE CHEEK AND/OR BUTT STOCK/PLATE

(ONLY ON SPECIFIC MODELS)

The Horton Legend Ultra Lite is equipped with a rubber cheek piece that adjusts to any of seven fixed positions to create perfect eye-level alignment.

CHEEK PIECE ADJUSTMENT:

1. To adjust the cheek piece, remove both 3/16" x 1/2" shoulder screws using a 3/32" Allen wrench.

2. Slide the cheek piece over the desired alignment holes to create your perfect eye-level alignment (photo 19).

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Slide cheek piece over desired alignment holes.

3. Replace the screws once you have the proper adjustment for your shooting needs.

The TenPoint Carbon Phantom RCX is equipped with an adjustable butt stock that allows a shooter to adjust the length-of-pull in minute increments up to 1-inch of extra length.

BUTT STOCK ADJUSTMENT:

1. To adjust the butt stock, loosen both 6/32" x 3/4" cap-head screws using a 7/64" Allen wrench.

2. Slide the butt stock into the desired location for your perfect length-of-pull (photo 20).

3. Tighten both screws once you have the proper length.

Some TenPoint models and the Horton Legend Ultra Lite are equipped with an adjustable rubber butt plate to match up with a shooter's length-of-pull.

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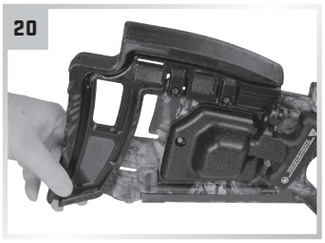

Slide butt stock into desired location.

BUTT PLATE ADJUSTMENT:

1. To adjust the rubber butt plate, remove both 3/16" x 1/2" shoulder screws using a 3/32" Allen wrench.

2. Slide the butt plate into one-of-two fixed positions (on TenPoint specific crossbows), or one-of-three fixed positions (on Horton Legend Ultra Lite crossbows) for your perfect length-of-pull (photo 21).

3. Replace the screws once you have the proper length.

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Slide rubber butt plate into desired position.