

TenPoint Crossbow Technologies®

CARBON NITRO RDX™ ASSEMBLY INSTRUCTIONS

To prevent injury to yourself or others, or damage to your crossbow, read this manual along with all other operating and safety instructions included in your crossbow package before assembling, loading or using the crossbow.

THIS MANUAL COVERS:

CARBON
NITRO RDX™



TENPOINT
CROSSBOW TECHNOLOGIES

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The Carbon Nitro RDX crossbow needs minimal assembly prior to its first use. Installation of the scope and string stop block (w/foot stirrup) is required. Although we do not recommend disassembling the Carbon Nitro RDX, the disassembly and complete assembly instructions are listed below.

OUT-OF-THE-BOX ASSEMBLY

1. Attach the scope and rings to the dovetail mount in the desired position (photo 1). To avoid lens damage, tighten the bottom screws on the scope rings first, leaving a slight gap between the ring sections at the top.
2. Install string stop block (w/foot stirrup), assembly bolt, and washers (photo 2).



Install scope.



Install string stop block.

CARBON NITRO RDX DISASSEMBLY

1. Remove the scope. **Note:** Start by loosening the top scope screws before loosening the bottom screws (photo 1).
2. Remove the string stop block and its assembly bolt with washers (photo 2). **Note:** Do not remove the foot stirrup.
3. Using a T25 Torx bit, remove the #10 x 1" self-tapping tang screw located behind the trigger box (photo 3).



Remove scope.

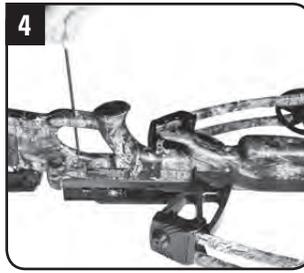


Remove stock screws.

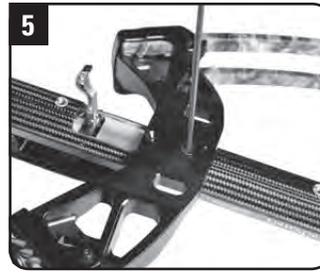


Remove tang screw.

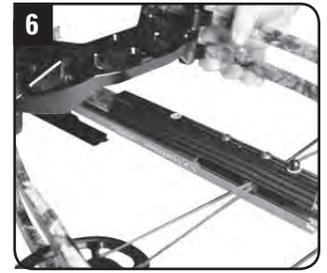
- Remove the stock screws. Start with the stock screw closest to the butt and work your way forward to the front of the crossbow (photo 4).
- Remove the two $\frac{1}{4}$ " - 20 x $\frac{3}{4}$ " counter-sink screws from the bottom of the riser (photo 5).
- Tilt the riser downward and slide it out of the barrel (photo 6).



Remove string stop block.



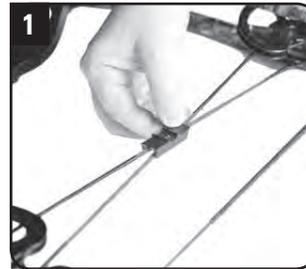
Remove screws from the bottom of the riser.



Tilt riser and slide it out of the barrel.

CARBON NITRO RDX ASSEMBLY

- Install the cable saver. **Note:** The long, grooved side of the cable saver sits on the cables, it does not snap on (photo 1).
- With the barrel above the riser, slide the cable saver into the cable slot with the string sliding over the flight deck. **Note:** Do not nick or rub the cables or string on the end of the barrel (photo 2).
- Insert & tighten the two $\frac{1}{4}$ " - 20 x $\frac{3}{4}$ " counter-sink screws connecting the riser to the barrel (photo 3). Verify that both screws are tight. **Note:** The counter-sink screws should be flush with the bottom of the riser.
- Install the stock by inserting the $\frac{1}{4}$ " - 20 x $\frac{3}{4}$ " screw in the rear stock screw hole and partially tighten (photo 4). Then, continuing forward, insert and partially tighten the two 1" screws, the 1 $\frac{3}{4}$ " screw, and the second $\frac{3}{4}$ " screw. Once properly aligned, tighten all five screws completely without over-tightening.
- Insert and tighten the #10 x 1" self-tapping tang screw (photo 5).
- Install string stop block, assembly bolt, and lock washer (photo 6).
- Attach the scope and rings to the dovetail mount in the desired position (photo 7). To avoid lens damage, tighten the bottom screws on the scope rings first, leaving a slight gap between the ring sections at the top.



Install cable saver.



Slide cable saver into the cable slot.



Insert riser screws.



Install rear stock screw and partially tighten.



Insert tang screw.



Install string stop block.



Attach the scope.

CARBON NITRO RDX QUIVER ASSEMBLY

1. The 3-Arrow Instant Detach Quiver Kit contains the following parts (photo 1):

- ONE (1) Quiver
- ONE (1) Quick disconnect (male) attachment
- TWO (2) $\frac{3}{4}$ " oval counter-sink Phillips screws
- ONE (1) Rubber hose (quiver hanger)
- TWO (2) Hose plugs
- ONE (1) Quick disconnect (female) attachment with lever
- TWO (2) Phillips pan-head machine screws
- ONE (1) Quiver mounting bracket with sling stud
- TWO (2) $\frac{7}{16}$ " Nylock nuts
- TWO (2) $\frac{1}{4}$ " - 20 x $\frac{3}{4}$ " Pan-head screws



3-Arrow Instant Detach Quiver Mounting Kit

2. 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 2).

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

3. Position the quick disconnect (male) attachment to the backside of the quiver post, over the holes closest to the quiver cup. Insert the $\frac{3}{4}$ " oval counter-sink Phillips screws and tighten (photo 3).

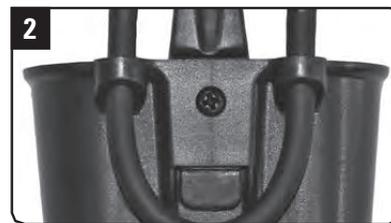
4. Remove the front sling stud and the $\frac{1}{4}$ " - 20 x $\frac{3}{8}$ " button-head screw directly below it, from the bottom of the barrel (photo 4). **Note:** Use a $\frac{5}{32}$ " Allen wrench to remove the barrel screw.

5. Place the quiver's mounting bracket over the two holes you just removed the sling stud and pan-head screw from. Align the mounting bracket either facing the left or right side of the crossbow, based on personal preference.

Insert and tighten the two $\frac{1}{4}$ " - 20 x $\frac{3}{4}$ " Pan-head screws into the same holes you removed the sling stud and barrel screw from (photo 5). Use a $\frac{5}{32}$ " Allen wrench to tighten.

6. Install the quick disconnect (female) attachment with lever on the quiver mounting bracket using the two Phillips pan-head machine screws and the $\frac{7}{16}$ " Nylock nuts. Align the open end with the lever facing the front of the crossbow (photo 6).

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



Attach rubber hose to quiver cup.



Attach quick detach (male) attachment.



Remove sling stud and $\frac{3}{8}$ " barrel screw.



Place the quiver bracket assembly over the two barrel holes and insert $\frac{3}{4}$ " screws.



Install the quick disconnect (female) attachment.



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

ADJUST RUBBER CHEEK PIECE & BUTT PLATE

The Carbon Nitro RDX is equipped with a rubber cheek piece that adjusts to one of three fixed positions to create perfect eye-level alignment, and a butt plate that adjusts to one of two fixed positions to match up perfectly with the shooter's length-of-pull.

Cheek Piece Adjustment:

1. To adjust the cheek piece, remove both $\frac{3}{16}$ " x $\frac{1}{2}$ " shoulder screws using a $\frac{3}{32}$ " Allen wrench.
2. Slide the cheek piece over the desired alignment holes to create your perfect eye-level alignment (photo 1).
3. Replace the screws once you have the proper adjustment for your shooting needs.

Butt Plate Adjustment:

1. To adjust the rubber butt plate, remove both $\frac{3}{16}$ " x $\frac{1}{2}$ " shoulder screws using a $\frac{3}{32}$ " Allen wrench.
2. Slide the butt plate into one of two fixed positions for your perfect length-of-pull (photo 2).
3. Replace the screws once you have the proper length.



Slide cheek piece over desired alignment holes.



Slide butt plate into one of two fixed positions.

INTEGRATED SAFETY WINGS & FORE-GRIP

▲ DANGER Keep your fingers and thumb on your fore-grip hand below the string and arrow flight deck when you fire your crossbow. Otherwise, the bow string will severely injure or amputate them when you pull the trigger.

The Carbon Nitro RDX comes standard with rubber safety wings which are designed to help keep the shooter's fore-grip fingers and thumb safely below the flight deck while shooting. The wings are bedded between the fore-grip and barrel. If for any reason they are lost or damaged, contact Horton for replacement immediately at www.tenpointcrossbows.com or 330-628-9245.



Safety wings are bedded between the stock and barrel. They help prevent thumb and finger injury and they dampen noise.



Proper hand position.

SPECIFICATIONS

Part Number	Length	Materials	Twists
String: HCA-12216-R	String: 40.875"	String: D97, 28-strands	String: Pre-twisted
Cables: HCA-13116-R	Cables: 15.25"	Cables: D97, 28-strands	Cables: Pre-twisted