



REVERSE DRAW CROSSBOW ASSEMBLY MANUAL

FOR ALL REVERSE DRAW CROSSBOW MODELS MANUFACTURED BY

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

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Reverse Draw crossbows, RDX, need minimal assembly prior to their first use. Installation of the scope and string stop block (w/foot stirrup) is required. Although we do not recommend disassembling your RDX crossbow, 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 3).
2. Remove the string stop block and its assembly bolt with washers (photo 4). **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 5).
4. 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 6).
5. Remove the two 1/4" -20 x 3/4" counter-sink screws from the bottom of the riser (photo 7).
6. Tilt the riser downward and slide it out of the barrel (photo 8).



Remove scope.



Remove string stop block.



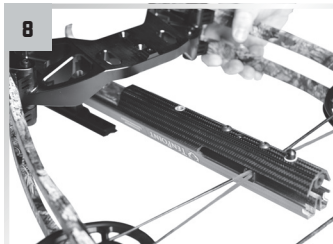
Remove tang screw.



Remove stock screws.



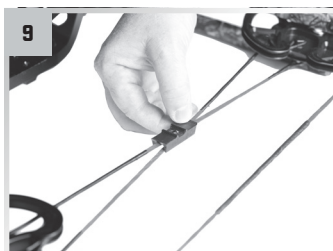
Remove screws from the bottom of the riser.



Tilt riser and slide it out of the barrel.

CARBON NITRO RDX ASSEMBLY

1. Apply a small amount of the sample lubricant to the center of each cable, then install the cable saver. **NOTE:** The grooved side of the cable saver sits on the cables, it does not snap on (photo 9).

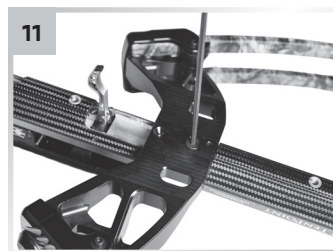


Install cable saver.

2. With the barrel above the riser, slide the cable saver into the cable slot with the string sliding over the flight deck (photo 10). **NOTE:** Do not nick or rub the cables or string on the end of the barrel.
3. Insert and tighten the two 1/4" -20 x 3/4" counter-sink screws connecting the riser to the barrel (photo 11). Verify that both screws are tight. **NOTE:** The counter-sink screws should be flush with the bottom of the riser.
4. Install the stock by inserting the 1/4" - 20 x 3/4" screw in the rear stock screw hole and partially tighten (photo 12). Then, continuing forward, insert and partially tighten the two 1" screws, the 1 3/4" screw, and the second 3/4" screw. Once properly aligned, tighten all five screws completely without over-tightening.
5. Insert and tighten the #10 x 1" self-tapping tang screw (photo 13).
6. Install string stop block with stirrup, assembly bolt, and washers (photo 14).
7. Attach the scope and rings to the dovetail mount in the desired position. **NOTE:** For optimum eye relief, align the rear scope bell with the rear of the dovetail mount (photo 15). To avoid lens damage, tighten the bottom screws on the scope rings first, leaving a slight gap between the ring sections at the top.



Slide cable saver into the cable slot.



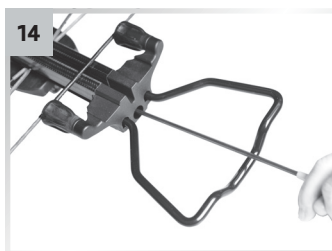
Insert riser screws.



Install and partially tighten stock screws.



Insert tang screw.



Install string stop block.



Attach scope.



STORM RDX DISASSEMBLY

1. Remove the scope. **NOTE:** Start by loosening the top scope screws before loosening the bottom screws (photo 16).
2. Using a T25 Torx bit, remove the #10 x 1-inch self-tapping tang screw located behind the trigger box (photo 17).
3. Remove the 1/4-20 x 1-inch and 1/4-20 x 1 3/4-inch fore-grip/safety wing screws (photo 18).
4. Remove the 1/4-20 x 1-inch and 1/4-20 x 1 3/4-inch stock screws (photo 19).
5. Remove the string stop block and its assembly bolt with washers (photo 20).
6. Remove the two 1/4-20 x 3/4-inch counter-sink screws from the barrel channel (photo 21).
7. Tilt the riser downward and slide it out of the barrel (photo 22).



Remove scope.



Remove tang screw.



Remove fore-grip/safety wing screws.



Remove stock screws.



Remove string stop block.



Remove barrel channel screws.



Tilt riser and slide it out of the barrel.

STORM RDX ASSEMBLY

1. Apply a small amount of the sample lubricant to the center of each cable, then install the cable saver. **NOTE:** The grooved side of the cable saver sits on the cables, it does not snap on (photo 23).
2. With the barrel above the riser, slide the cable saver into the cable slot with the string sliding over the flight deck (photo 24).
NOTE: Do not nick or rub the cables or string on the end of the barrel.
3. Insert & tighten the two 1/4" -20 x 3/4-inch counter-sink screws connecting the riser to the barrel (photo 25). Verify that both screws are tight. **NOTE:** The counter-sink screws will not be flush with, or sink into the barrel channel holes.
4. Install string stop block with stirrup, assembly bolt, and washers (photo 26).
5. Install the stock by inserting the 1/4" - 20 x 1" screw in the front stock screw hole and partially tighten, then the 1/4" - 20 x 1 3/4" screw in the rear hole and partially tighten (photo 27). Once properly aligned, tighten both screws completely without over-tightening.
6. Attach the fore-grip and safety wing by inserting the 1/4"-20 x 1" screw in the front stock screw hole and partially tighten, then the 1/4" - 20 x 1 3/4" screw in the rear hole and partially tighten (photo 28). Once properly aligned, tighten both screws completely without over-tightening.



Install cable saver.



Slide cable saver into the cable slot.



Insert barrel channel screws.



Install string stop block.



Install stock and screws.



Attach fore-grip and safety wing.



7. Insert and tighten the #10 x 1" self-tapping tang screw (photo 29).
8. Attach the scope and rings to the dovetail mount in the desired position. **NOTE:** For optimum eye relief, align the rear scope bell with the rear of the dovetail mount (photo 30). To avoid lens damage, tighten the bottom screws on the scope rings first, leaving a slight gap between the ring sections at the top.



Insert tang screw.



Attach scope.

VORTEC RDX DISASSEMBLY

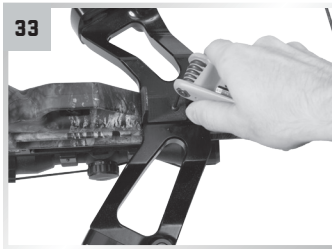
1. Remove the string stop block and its assembly bolt with washers (photo 31). **NOTE:** Do not remove the foot stirrup.
2. Using a T25 Torx bit, remove the two #10 x 1" tri-lobe self-tapping screws located in the fore-grip (photo 32).
3. Remove the 8/32" x 1/2" socket-head cap screw from the grip plug (photo 33).
4. Remove the two 1/4" -20 x 3/4" counter-sink screws from the bottom of the riser (photo 34).
5. Tilt the riser downward and slide it out of the barrel (photo 35).



Remove string stop block.



Remove fore-grip.



Remove grip plug.



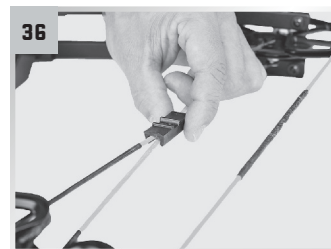
Remove screws from the bottom of the riser.



Tilt riser and slide it out of the barrel.

VORTEC RDX ASSEMBLY

1. Apply a small amount of the sample lubricant to the center of each cable, then install the cable saver. **NOTE:** The grooved side of the cable saver sits on the cables, it does not snap on (photo 36).
2. With the barrel above the riser, slide the cable saver into the cable slot (photo 37). **NOTE:** Do not nick or rub the cables or string on the end of the barrel.
3. Insert & tighten the two 1/4" - 20 x 3/4" counter-sink screws connecting the riser to the barrel (photo 38). Verify that both screws are tight. **NOTE:** The counter-sink screws should be recessed into the riser about 1/8".
4. Attach the grip plug using the 8/32" x 1/2" socket-head cap screw (photo 39).
5. Attach the fore-grip with the two #10 x 1" tri-lobe self-tapping screws. Use a T25 Torx bit to tighten the screws (photo 40).
6. Install string stop block with stirrup, assembly bolt, and washers (photo 41).



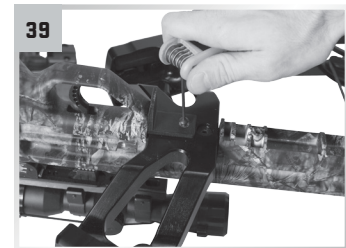
Install cable saver.



Slide cable saver into the cable slot.



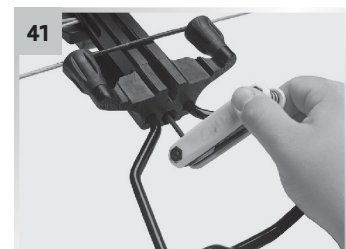
Insert barrel channel screws.



Attach grip plug.



Attach fore-grip.



Install string stop block.



QUIVER ASSEMBLY

(Follow steps 1-3 for all quiver mounting instructions)

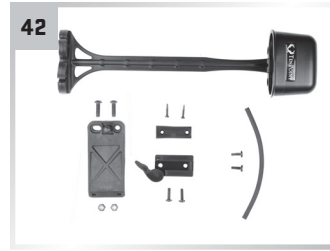
1. The 3-Arrow Instant Detach Quiver Kit contains the following parts (photo 42):
 - ONE (1) Quiver
 - ONE (1) Quick disconnect (male) attachment
 - TWO (2) 3/4-inch oval counter-sink Phillips screws
 - ONE (1) Rubber hose (quiver hanger)
 - TWO (2) Hose plugs
 - ONE (1) Quick disconnect (female) attachment with lever
 - TWO (2) Phillips pan-head machine screws
 - ONE (1) Quiver mounting bracket with sling stud
 - TWO (2) 7/16-inch Nylock nuts
 - TWO (2) 1/4 - 20 x 3/4-inch Pan-head screws (for Carbon Nitro RDX and Storm RDX quiver mounting)
 - TWO (2) M5 x 20mm Tri-lobe self-tapping screws (for Vortec RDX quiver mounting)
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 43). **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 4th and 5th holes from the quiver cup. Insert the 3/4-inch oval counter-sink Phillips screws and tighten (photo 44).

Follow steps 4-7 to mount the quiver on the Carbon Nitro RDX and Storm RDX (follow steps 4a-6a for the Vortec RDX quiver installation).

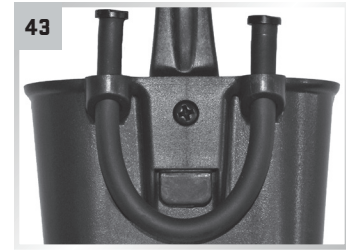
4. Remove the front sling stud and the 1/4 - 20 x 3/8-inch pan-head screw directly below it, from the bottom of the barrel (photo 45). **NOTE:** Use a 5/32-inch Allen wrench to remove the barrel screw.
5. Place the quiver's mounting bracket over the two holes you just removed the sling stud and pan-head 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 1/4 - 20 x 3/4-inch Pan-head screws into the same holes you removed the sling stud and barrel screw from (photo 46). Use a 5/32-inch 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 7/16-inch Nylock nuts. Align the open end with the lever facing the rear of the crossbow (photo 47).
7. Insert the quiver with male attachment into the quick disconnect (female) attachment with lever, and lock into place (photo 48).



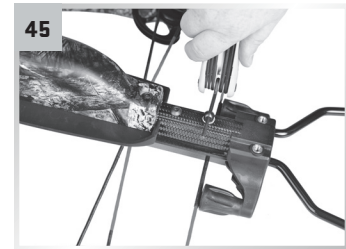
3-Arrow Instant Detach Quiver Kit



Attach rubber hose to quiver cup.



Attach quick detach (male) attachment.



Remove sling stud and 3/8-inch barrel screw.



Place the quiver bracket assembly over the two barrel holes and insert 3/4-inch 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.



VORTEC RDX QUIVER INSTALLATION:

4a. Place the quiver's mounting bracket over the two holes in front of the fore-grip. Align the mounting bracket either facing the left or right side of the crossbow, based on personal preference.

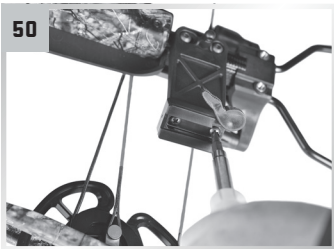
Insert and tighten the two M5 x 20mm Tri-lobe self-tapping screws into the holes in front of the fore-grip (photo 49). Use a T25 Torx wrench to tighten.

5a. Install the quick disconnect (female) attachment with lever on the quiver mounting bracket using the two Phillips pan-head machine screws and the 7/16-inch Nylock nuts. Align the open end with the lever facing the rear of the crossbow (photo 50).

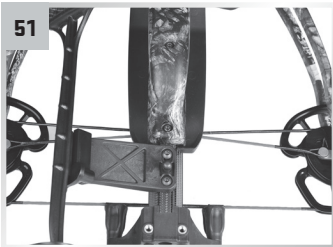
6a. Insert the quiver with male attachment into the quick disconnect (female) attachment with lever, and lock into place (photo 51).



Place the quiver bracket assembly over the two barrel holes and insert 20mm 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.

ADJUSTING THE CHEEK PIECE & BUTT PLATE

The Horton Storm RDX 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-inch x 1/4-inch 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 52).
3. Replace the screws once you have the proper adjustment for your shooting needs. Do not over-tighten.

The TenPoint Carbon Nitro RDX and the Horton Storm RDX are equipped with an adjustable rubber butt plate to match up with a shooter's length-of-pull.

BUTT PLATE ADJUSTMENT:

1. To adjust the rubber butt plate, remove both 3/16" x 1/4" shoulder screws using a 3/32" Allen wrench.
2. Slide the butt plate into one-of-two fixed positions (on Carbon Nitro RDX), or one-of-three fixed positions (on Storm RDX) for your perfect length-of-pull (photo 53).
3. Replace the screws once you have the proper length.



Slide cheek piece over desired alignment holes.



Slide butt plate over desired alignment holes.

STRING & CABLE SPECIFICATIONS

CROSSBOW MODEL	STRINGS	STRING TWISTS	STRING LENGTH	STRING MATERIAL	CABLES	CABLE TWISTS	CABLE LENGTH	CABLE MATERIAL
Carbon Nitro RDX	HCA-12216-R	Pre Twisted	40.875"	D97, 28 strands	HCA-13116-R	Pre Twisted	15.25"	D97, 28 strands
Storm RDX	HCA-12215	Pre Twisted	40.875"	D97, 28 strands	HCA-13115	Pre Twisted	15.25"	D97, 28 strands
Vortec RDX	HCA-72717	Pre Twisted	40.875"	Brownell Rhino, 28 strands	HCA-72617	Pre Twisted	15.625"	Brownell Rhino, 24 strands



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