

RAIDER CLS™ 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:

RAIDER
CLS



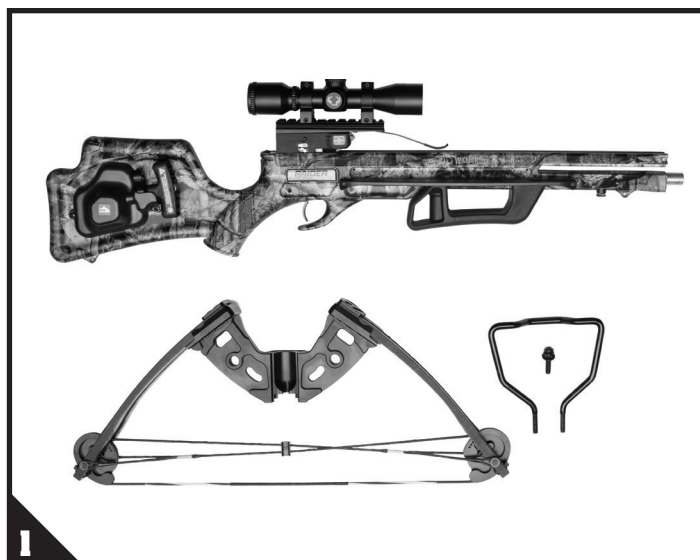
WICKED RIDGE CROSSBOWS
1325 WATERLOO ROAD MCGADORE, OH 44260-9608
PHONE: 330-628-9245 FAX: 330-628-0999
WWW.WICKEDRIDGECROSSBOWS.COM

RAIDER CLS ASSEMBLY

The CLS 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) foot stirrup
- One (1) owner's manual pack with warranty card, main assembly bolt, washers, and tools.



ASSEMBLY STEPS

STEP 1

Attach the cable saver to the cables.

⚠ WARNING 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.
- Before sliding the cable saver into the barrel’s cable slot, apply a small amount of TenPoint’s String Wax and Conditioner (HCA-11007) 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).

STEP 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).
- Pull the bow assembly toward the trigger assembly until the riser location rod, protruding from the front of the barrel, 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 4).
- After you make sure the main assembly bolt’s locking setscrew is loosened, insert the main assembly bolt with washers. You may need to use your free hand to lift string off of 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.
- Finish tightening the bolt using your Allen wrench while continuing to lift the string off of the barrel (photo 5). If the alignment is correct, you will have no difficulty. Do not use a cheater-bar when tightening the main assembly bolt.

Note: To avoid excessive serving wear, you may need to tighten the bolt a bit more until you relieve any excessive string pressure on the flight deck.

⚠ CAUTION If the main assembly bolt is not tight enough, there will be excess serving wear on the string. You cannot tighten the main assembly bolt enough by hand to break it!

- 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.

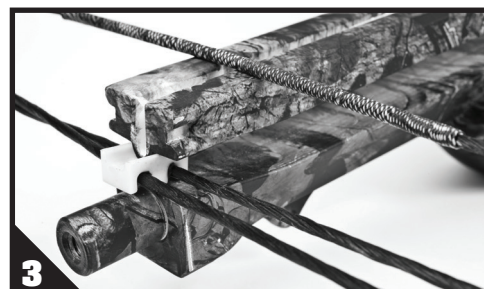
Note: If you will be mounting the 3-Arrow Instant Detach Quiver, follow the directions in the Quiver Mounting section on the following page.

- Tighten the setscrews located on the bottom of the riser to lock the main assembly bolt with washers and the foot stirrup in place (photo 6).
- You are now ready to test-fire your crossbow and fine-tune your sights.

⚠ WARNING See appropriate Cocking, Loading & Sighting sections in the general manual. It explains your crossbow’s operation and handling and warns of the potential danger, including property damage, death, or serious personal injury that can result from using it unsafely.



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



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



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



Install the main assembly bolt and washers.



Once the foot stirrup is in place, tighten all three setscrews.

RAIDER CLS QUIVER MOUNTING

STEP 1

The Instant Detach Quiver Kit contains the following parts (photo 1):

- One (1) Quiver
- One (1) Rubber hose (quiver hanger)
- Two (2) Hose plugs
- One (1) Quick disconnect (male) attachment
- Two (2) $\frac{3}{4}$ -inch oval counter-sink Phillips screws
- One (1) Quick disconnect (female) attachment with lever
- Two (2) Phillips pan-head machine screws
- One (1) Quiver mounting bracket
- Two (2) $\frac{7}{16}$ -inch Nylock Nuts
- Two (2) $\frac{3}{4}$ -inch setscrews (for use with TenPoint crossbows)
- Two (2) 1-inch setscrew



STEP 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.

STEP 3

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 $\frac{3}{4}$ -inch oval counter-sink Phillips screws and tighten (photo 3).

* 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.

STEP 4

Remove the two $\frac{1}{4}$ -inch setscrews holding the foot stirrup in place (photo 4).

STEP 5

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 for orientation).

First, insert and tighten the two 1-inch setscrews (with Nylock nuts) into the same holes you removed the original setscrews from (photo 5).

Then, tighten the two Nylock nuts until the quiver mounting bracket is secure. Use a $\frac{7}{16}$ -inch open-ended wrench to tighten.

Note: Do not over-tighten.

STEP 6

Install the quick disconnect (female) attachment with lever on the quiver mounting bracket using the 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 6).

STEP 7

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

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ACU-52™ OPERATING INSTRUCTIONS

STEP 1

Ensure your safety is in the **FIRE (red dot)** position before attempting to cock the crossbow (photo 1).

STEP 2

Place the crossbow in front of you with the foot stirrup on the ground. Insert one foot securely inside the foot stirrup and pull out both cord handles and hooks far enough to place on the bow string (photo 2).

STEP 3

Attach both hooks (the hook opening facing upward) to the underside of the bow string (photo 3).

STEP 4

Making sure the hooks are against the barrel, simultaneously pull up on both handles until the crossbow is cocked (photo 4).

STEP 5

Remove both hooks from the bow string. Retract both sides at the same time, turning the open ends of the hooks to face out, and then insert the hooks and the handles into the housing (photo 5).

⚠ WARNING

You must remove the hooks from the bow string before firing the crossbow. Otherwise, you will “shoot the hooks” when you pull the trigger, which may cause serious personal injury and/or damage to your crossbow.

The ACU-52 is covered by a five (5) year limited warranty.



SAFETY WINGS & PASS-THROUGH FORE-GRIP

⚠ DANGER

Keep your fingers & 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.

Note: The Raider CLS comes standard with a safety engineered pass-through grip, with glass-reinforced nylon safety wings mounted to the stock just above the grip. If for any reason they are lost or damaged, contact Wicked Ridge for replacement immediately at www.wickedridgecrossbows.com or 330-628-9245.



Safety wings & pass-through fore-grip.



Proper hand position.

STRING CHART

RAIDER CLS	STRING	CABLES
Part Number	WRA183	WRA163
Length	34.5"	16.625", 12" yoke
Materials	D-75, 30 strands	D-75, 28 strands
Twists	16-19	11-14