

MISSION[®]
BY MATHEWS[®]

CROSSBOW
.....
RSD[™] **SYSTEM**

Owner's Manual





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RSD™ Parts Identification Diagram



Watch the video on missionarchery.com to see how to install and operate your new RSD™ System.
missionarchery.com/media/crossbows/#14382

Cord Guide

The cord guide balances the force on the crank rope to ensure a perfectly balanced draw of your crossbow string. This results in an accurate and consistent draw of your bow every time.

Installation:

1. Unscrew the T-nut from the cord guide and place the T-nut into the crossbow rail above the internal bridge and behind the trigger housing. Then, seat the T-nut so the raised portion sits into the rail slot.
2. While holding the T-nut with your finger, attach the cord guide to the T-nut from the top of the rail with the provided screw. Be sure the T-nut stays in the rail slot while threading the pieces together. (see Figure 1)
3. Before fully tightening the screw, push the flat side of the cord guide firmly against trigger housing.
4. **⚠️WARNING** Do not use this RSD™ unless the cord guide is up tight against the back of the trigger housing. (see Figure 2)
5. **⚠️CAUTION** Tighten screw securely. Do not over tighten!
6. **NOTE** Cord guide assembly can also be installed by removing adjustable butt stock and sliding on from the rear of the bow.



Fig 1

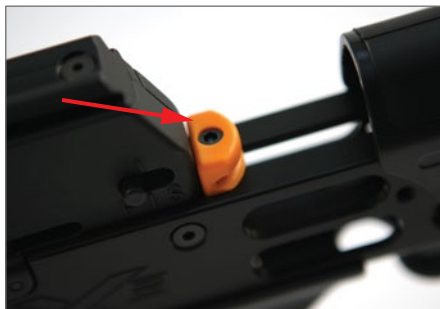


Fig 2

Attaching the RSD™

The RSD™ attaches to the PCC Anchor™ on your MXB® crossbow. The cam lock mechanism makes the installation extremely fast and secure.

Installation:

1. Remove the handle by pressing the button on the side of handle and slide the handle off from its axle.
 2. Tilt the RSD™ so the attachment flap lines up and fits onto the right side of the PCC Anchor™ on the crossbow. (see Figure 3) Top View
 3. Once the flap is seated in the PCC Anchor™, rotate the RSD™ clockwise until it wraps around the left side of the PCC Anchor™. (see Figure 3.1) Side View
- ⚠️WARNING BE SURE THE ORANGE CAM LOCK BAR IS OPEN WHILE ROTATING THE RSD™ INTO POSITION.**
4. Close the orange cam lock bar to secure the RSD™ to the crossbow. (see Figure 4)
- ⚠️WARNING PUSH THE CAM LOCK BAR COMPLETELY CLOSED BEFORE USING THE RSD™**



Fig 3



Fig 3.1



Fig 4

Attaching the Handle

The ambidextrous cocking handle is designed for quick attachment and removal on either the right or left side of the RSD™ unit.

Installation:

1. Press and hold the button on the handle. (see Figure 5)
2. Slide the handle over either the left or right side of the RSD™ axle.
3. With the button still depressed, rotate the handle until the lock pin falls into the slot of the axle.
4. Release the handle button.
5. **⚠️WARNING** Be sure the handle is attached securely by lightly pulling on the handle. (see Figure 6)



Fig 5



Fig 6

Loading Your MXB® Crossbow with the RSD™

Operation:

1. With the RSD™ securely attached to the PCC Anchor™ press and hold the cord release lever to the right. (see Figure 7)
2. Continuing to hold the cord release lever to the right, pull the hooks and cord out enough to flip the hooks and cord loop over the butt stock of the crossbow.
3. Flip the hooks and cord around the back of the crossbow over the butt stock. (see Figure 8)



Fig 7



Fig 8

4. With one hand, press and hold the cord release lever to the right. With the other hand, pull one hook toward the bowstring.

⚠️WARNING HOOK THE BOWSTRING FROM UNDERNEATH THE STRING SO THE HOOKS ARE FACING UPWARD.

5. Continuing to hold the release lever to the right, pull remaining hook and attach it to the bowstring on the opposite side of the crossbow rail.

6. Check to be sure the RSD™ cord is around the back of the cord guide groove. (see Figure 9)

⚠️WARNING NEVER CRANK YOUR MXB® CROSSBOW WITH THE RSD™ IF THE CORD IS NOT CORRECTLY AROUND THE CORD GUIDE.

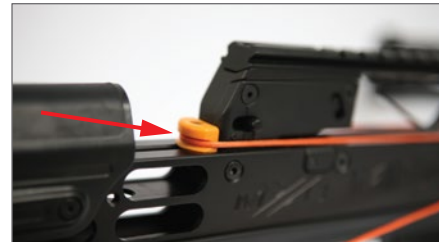


Fig 9

Loading with the RSD™ (con't)

7. Let go of the cord release lever.

NOTE Releasing the lever automatically engages the internal crank lock.

8. Attach the handle. (see "Attaching the Handle")

9. Start cranking the crossbow by turning the handle in the forward direction.

NOTE The RSD™ has a locking feature that stops the crank from free spooling if cranking is temporarily paused.

10. Crank until the bowstring is fully engaged in the trigger housing.

CAUTION The automatic trigger safety is fully engaged when the safety lever moves from the fire to the safe designation. The manual safety trigger is fully engaged when the user hears an audible "click" with the bowstring inside the trigger housing.

11. **CAUTION** Once the crossbow is cocked be sure the trigger is on safety. (see Figure 10)

12. With your hand, place a slight forward pressure on the handle, then, press and hold the cord release lever to the right.

13. Continuing to hold the release lever to the right, back down the crank a few turns until the hooks relax enough to remove them from the bowstring. (see Figure 11)

14. Once the hooks are removed from the bowstring, the RSD™ can be stored in several ways depending on your shooting style. (see "Storing the RSD")

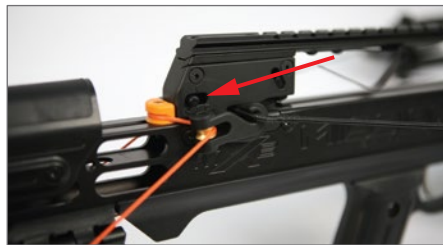


Fig 10

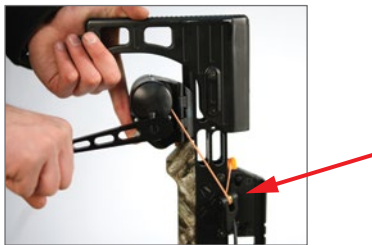


Fig 11

Storing the RSD™

The RSD™ has several ways it can be stored for shooting and hunting. This choice is up to the user to decide what fits their shooting style best.

Against the Butt Stock

Once the bowstring is fully engaged in the trigger housing, the safety is on, and the hooks are removed from the bowstring; use the spring retract (with the handle removed and release lever held to the right) or the handle to simply pull the cord up against the butt stock. This style is great for the range or the woods when a quick follow-up shot may be needed. (see Figure 12)



Fig 12

Hooks Against the RSD™ Body

Once the bowstring is fully engaged in the trigger housing, the safety is on, and the hooks are removed from the bowstring; pull the hooks and cord back over the butt stock so the hooks are now below the crossbow and in front of the RSD™ body. Use the spring retract (with the handle removed and release lever held to the right) or the handle to simply pull the hooks up against the front of the RSD™ body. This style is great for walking in the woods when stealth is critical. Pulling the hooks up against the RSD™ body keeps them tight and quiet, but still readily accessible if needed. (see Figure 13)



Fig 13

Storing the RSD™ (con't)

Removing the RSD™

Once the bowstring is fully engaged in the trigger housing, the safety is on, and the hooks are removed from the bowstring; pull the hooks and cord back over the butt stock so the hooks are now below the crossbow and in front of the RSD™ body. Use the spring retract (with the handle removed and release lever held to the right) or the handle to simply pull the hooks up against the front of the RSD™ body. Unlock the orange cam lock bar and rotate the entire RSD™ counter-clockwise to remove the RSD™ from the crossbow. The RSD™ and handle can be stored in your pack.

Inspection

⚠️ WARNING BEFORE EVERY USE, LOOK THE RSD™ OVER FOR ANY SIGNS OF WEAR ON THE CORD AND HOOKS. IF WEAR IS OBSERVED, CONTACT YOUR LOCAL MISSION® RETAILER FOR SERVICE.

Join the Mission® Online Community

Stay Connected 24/7 at missionarchery.com

Share your Mission® hunts by posting photos and stories at missionarchery.com/fieldreports, and become a fan on Facebook to get all the latest news from the Mission camp:

Mission® User Name: _____

Password: _____



RSD™ Warranty

Mission® Limited 7 year Warranty*

LIMITED 7-YEAR WARRANTY

YOUR MISSION® RSD™ CRANKING DEVICE IS WARRANTED AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP FOR 7 YEARS FROM DATE OF PURCHASE. (ORIGINAL PROOF OF PURCHASE IS REQUIRED, INCLUDING DATE OF PURCHASE) THE PROOF OF PURCHASE MUST COME FROM AN AUTHORIZED MISSION® RETAILER. THIS WARRANTY COVERS ALL PARTS WITH THE EXCEPTION OF THE FOLLOWING PARTS; DRAW CORD, COSMETIC DAMAGE THAT DOES NOT INTERFERE WITH THE PROPER OPERATION OF THE RSD™ PARTS THAT ARE BROKEN DUE TO NEGLIGENCE OR ABUSE. **ALL WARRANTY CLAIMS ARE PROCESSED THROUGH AN AUTHORIZED MISSION® RETAILER.** YOUR AUTHORIZED MISSION RETAILER WILL CONTACT A MISSION® WARRANTY TECHNICIAN ON YOUR BEHALF. ANY AND ALL WARRANTIES WRITTEN OR IMPLIED, ARE VOID WITH ANY ALTERATIONS TO THE RSD™ INCLUDING COSMETIC DEFECTS.

LIMITATION OF LIABILITY

MATHEWS MANUFACTURING, INC. SHALL NOT BE LIABLE FOR ANY SPECIAL OR CONSEQUENTIAL DAMAGES THAT RESULT FROM THE PERFORMANCE AND USE OF THE PRODUCTS, EVEN IF MATHEWS MANUFACTURING, INC. HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. APPLICABLE LAW MAY NOT ALLOW THE LIMITATIONS OF EXCLUSION OF LIABILITY OR INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

NOTE:

Mission® reserves the right to make substitutions on warranty coverage for any reason, including but not limited to available parts and/or camo pattern. Authorized Mission® Retailers may charge for warranty work performed.

* Limited Lifetime Warranty to the Original Owner.

NOTICE The warranty will be void if any of the following occur:

1. Failure to follow the operating instructions provided in this manual.
2. Don't have the original proof of purchase with date on it.
3. RSD™ purchased from a non Mission® Retailer.
4. RSD™ or any of its parts are altered from the original state.
5. Damage is caused by abuse or neglect.
6. RSD™ is rented or loaned for use by others.
7. This warranty does not cover lost or stolen parts.



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