



RX150



SHOWN WITH OPTIONAL ACCESSORIES

OWNER'S MANUAL

Manual Includes the Following:

Safety Guidelines
Assembly Guides
Trouble Shooting

General Information
Warranty Information
Care and Maintenance

Manual Inc

Manual Inc

Congratulations! You are now the proud owner of a quality Barnett crossbow.

Please follow all safety, assembly and trouble shooting instructions contained in the manual. It is extremely important to read and follow the instructions before attempting to use your crossbow. Serious injuries to yourself or others, damage to your crossbow or poor performance from your crossbow could result from failure to thoroughly read and understand these instructions. If any part of this manual is unclear to you contact the service department at 800-237-4507. After assembly of your crossbow, please keep manual for future reference.

As with any other high performance equipment, meticulous care and a regular maintenance schedule must be maintained.

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Safety Guidelines

For: RX150

The **RX150** is equipped with an automatic safety, which engages every time the crossbow is cocked. The safety must be released before each shot. This, as with any other mechanical device does not guarantee total safety, as no safety device is a substitute for common sense and safe handling. NEVER pull the trigger on a crossbow when the safety is in the “safe” position or anywhere between “safe” and “fire”. Do not attempt to alter or modify the trigger mechanism, doing so will void your warranty and may cause personal injury to yourself or others.

The following rules should be followed at all times: EXTREME CAUTION SHOULD BE USED AT ALL TIMES WHEN HANDLING A CROSSBOW. FAILURE TO FOLLOW THESE RULES COULD RESULT IN SERIOUS INJURY OR DEATH.

- **Always keep your fingers below the flight track and out of the path of the strings when firing the crossbow.**
- **Never dry-fire the crossbow (shoot without an arrow). *Dry firing will void the warranty* and result in damage to the limb, cable and string, possibly causing personal injury.**
- **Never fire the crossbow until you are sure of your target.**
- **Always use an adequate target and backstop when target shooting.**
- **Always use suitable crossbow arrows, such as Barnett's 16" 2117 or 2216 Aluminum Crossbow Arrows. Arrows of improper stiffness or mass weight may damage the limb and cable assembly, *voiding the warranty* and possibly cause personal injury.**
- **Always inspect the crossbow and arrows before firing. Bent or damaged arrows are not safe to fire and should be discarded or repaired.**

**SPECIFICATIONS
RX150**

Feet Per Second	220
Power Stroke	16"
Draw Weight	150
Physical Weight	4
Width	25.6
Length	32.5
String Length	25.6
Number of Strands	32
String Stock #	16024

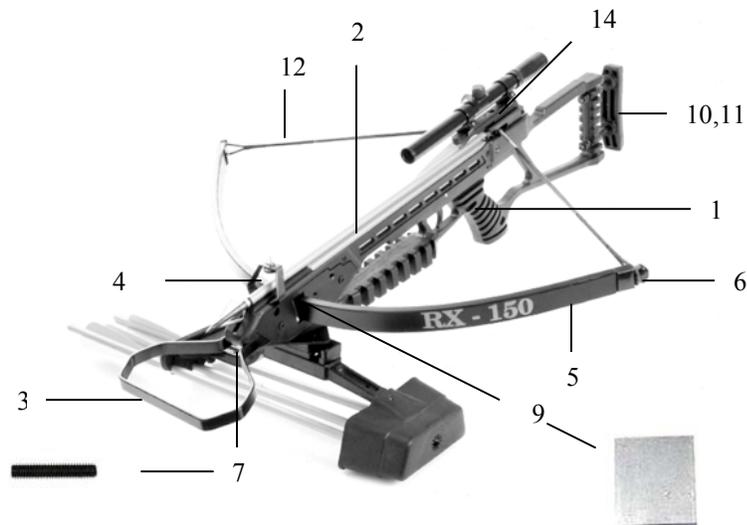
PARTS LIST FOR RX150

<u>QUANTITY</u>	<u>PART NAME</u>
1	Pressure Plate
1	Nose Bolt
1	3mm Hex Nut
1	String
1	Cable Stringer
1	Adjustable Rear Blade Sight
1	Fixed Front Sight
1	Foot Stirrup
1	Lubewax
1	Stock Extender

If you are missing any of the above parts or need information on older models, contact the Barnett Service department at 1-800-237-4507.

BREAKDOWN OF CROSSBOW PARTS FOR RX150

- 1 BODY
- 2 FLIGHT TRACK
- 3 FOOT CLAW
- 4 FRONT SIGHT
- 5 PROD
- 6 NOCK ENDS (**needs to be riveted**)
- 7 NOSE BOLT
- 8 REAR ADJ SIGHT
- 9 PRESSURE PLATE WITH RUBBER PAD
- 10 STOCK EXTENSION
- 11 STOCK EXTENSION NUTS
- 12 STRING
- 13 STRINGER
- 14 TMB
- 15 TRIGGER MECH



Make sure nose bolt is against metal part of the pressure plate.

Pressure pad should be installed between prod and nose bolt. Make sure rubber pad is against the prod.

ASSEMBLY GUIDE

RX150

Installing Prod Assembly

Note: During prod assembly procedures, pay close attention to proper installation of pressure plate and rubber pad. Improper installation of these items will result in damage and void the warranty.

1. With 3mm hex key, back out nose bolt until it is flush with plastic.
2. Install pressure plate with metal surface facing forward so only the rubber contacts prod.
3. Slide in prod until arrow appears in inspection hole. The 3/16" hex wrench provided.
4. Once all these steps are completed, tighten up nose bolt securely with hex key.

Attaching the Foot Stirrup Assembly

1. Remove the two front screws and loosen the back screws that hold the plates on the front sides of the gun body.
2. Line up holes in foot stirrup over front hexagon stud. Make sure foot stirrup is laying in the plastic grooves in the nose housing.
3. Vertically slide front sight over nose housing and into grooves.
4. Replace side plates. Make sure screws are tightened firmly.

An incorrectly installed foot stirrup can cause serious bodily injury.

Mounting the Front Sight for RX150

1. Remove front sight assembly from hardware package.
2. Place front sight into slots provided with the angle of front sight pointing towards the trigger.
3. Attach front sight with screws provided through holes in plate of nose unit. Tighten.

4. Place sight pin, thread down, through top of front sight. Attach circular nut.

Rear Sight for RX150

The RX150 is equipped with an adjustable rear sight (Unless bow is shipped in a package or kit.) preinstalled at the factory. See Figure 1



Fig. 1

Installing Optional Scope

If you choose to use a scope, you must remove the elevation screw. To do this, remove the scope mount. Remove the elevation screw from bottom side of the scope mount. Reinstall the scope mount. With the elevation screw removed the scope will slide onto the scope mount.

Sighting in the RX150

Tip: Adjust rear blade sight in the direction of the error.

Lower the Blade lower the hit.

Higher the Blade higher the hit.

Move Blade to the right it will hit to the right.

Move Blade to the left it will hit to the left.

Arrow Selection and Proper Flight

Due to the unique design of your Barnett crossbow, it is **imperative** that only specified arrows are used. These arrows are correctly weighted to absorb the high energy generated by the compound design. Lighter arrows simulate a “dryfire” condition and will result in damage to the crossbow VOIDING the warranty. Barnett’s 16” 2117 or 2216 Aluminum arrows are correctly “spined”.

Stringing the crossbow

Important Do not attempt to string your crossbow by exerting downward pressure on the stock or prod! This may cause breakage and will void your warranty. Use *only* the cable stringer method. Make sure the nockends are firmly seated on prod.

1. Place loops of the *black steel cable* stringer over the prod nockends, just as you would with a bowstring.

Some hand tension may be kept on cable stringer to keep it properly seated. See **Figure 2**

2. Cock the crossbow, using the foot stirrup for stability. The safety is now automatically engaged.
3. Insert bowstring loops through the loops of cable stringer and seat over nock ends.
4. Release safety catch.
5. Pull back firmly on the **string**, removing all tension from the cable stringer.
6. Pull trigger while holding string, letting string down. Use caution, as the string will have much tension on it. At this point the stringer will have no tension on it.
7. Making sure each loop of the bowstring is firmly seated on the nock ends, pull the cable stringer loop off each end. Use caution it may be necessary to partially cock crossbow to remove stringer. When properly strung the string should be at right angles to the stock.
8. Re-inspect bowstring loops for proper seating on nock ends.



Fig.2

Note: Before loading to ensure proper arrow flight you must be sure that your string is marked on both sides of the outside flight track. When shooting, the string should be pulled back equally on both sides. If this is not done one side of the limb may be under greater tension causing the arrow to shoot right or left.

To Remove String

1. Cock the crossbow. The safety will engage automatically.
2. Insert the black steel coated cable stringer loops through the loops of the bowstring. Make sure cable stringer loops are securely seated on nock ends.
3. Release safety.
4. Pull back on the bowstring *firmly*. Then pull the trigger letting the bowstring down slowly to braced position. Use **caution** as the bowstring will have a lot of tension on it.
5. At this point the cable stringer will have no tension on it. Recheck cable stringer loops for proper seating on nock ends.
6. Cock the crossbow using the cable stringer. Use caution not to tangle cable stringer in bowstring.
7. The bowstring will have no tension on it. Recheck stringer loops for proper seating. Remove bowstring loops off prod nock ends.
8. Pull trigger carefully while holding cable stringer, letting cable stringer down. Use caution as the stringer will have a lot of tension on it.

Stock Extension

The Ranger has a stock extension factory installed. To make adjustments, loosen front nuts, pull extension back exposing rear nuts, adjust to desired position using back nuts. Then secure tightly with front nuts.

CROSSBOW OPERATION

Cocking The Crossbow

Prior to every shooting session it is recommended that a complete check of the prod, string, bolts, nuts screws and foot stirrup be made. Before cocking your crossbow make sure your foot stirrup has been attached in accordance with the assembly instructions. Cocking your crossbow with an incorrectly attached foot stirrup may cause bodily injury. Be sure to apply Barnett lubewax to the center string serving and the flight track area from the string to the trigger area.

- 1.) Place the foot stirrup on the ground with the stock end resting in your mid-section. Place your foot firmly in the foot stirrup. Place both hands on the bowstring about one inch on each side of the crossbow body. See Figure 3

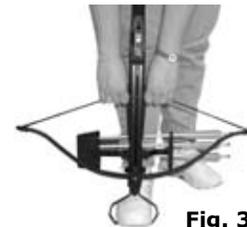


Fig. 3

- 2.) Using both hands with even tension, pull the string back until it locks into trigger mechanism with an audible "click".
- 4.) The crossbow is now cocked.
- 5.) Verify your string markings are an equal distance on either side of the flight track. Place the arrow forward under the front sight bracket and lay the arrow on the flight surface. When using arrows with moon nocks, be sure that the odd colored fletch is placed in the flight groove and that the concaved nock is parallel to the string.

Loading The Crossbow

- 1.) Place the arrow forward under the front sight bracket and lay the arrow on the flight surface. Be sure that the odd colored fletch is placed in the flight groove.
- 2.) Slide the arrow back under the arrow retaining spring and **fully into the trigger mechanism**. Note: The arrow retaining spring should only exert enough pressure to hold the arrow in place without lifting it from its position on the flight surface.

Firing your Crossbow

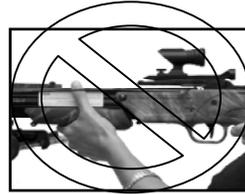
To fire the arrow from your crossbow:

1. Point the crossbow in a safe direction and slide the safety forward.
2. The crossbow will now fire when the trigger is pulled.
The safety **MUST** be disengaged prior to every shot.

BE SURE TO KEEP YOUR FINGERS BELOW THE FLIGHT TRACK WHILE SHOOTING.



CORRECT



INCORRECT



CORRECT



INCORRECT

This will prevent your hands from being struck by the string as it travels forward. The velocity of the string hitting your fingers will cause severe injury.

Adjustable Foregrip

To adjust the fore grip, simply loosen the screw on the bottom of the foregrip and slide fore grip to a comfortable position for you then tighten the screw.

Unloading your Crossbow

By far, the safest and only recommended way to un-cock your cocked crossbow is to load an arrow and fire it into a target or into the ground away from debris, loose rocks or other people.

TROUBLESHOOTING

Arrow Flight

Possibly the greatest variable in accuracy are the arrows. These differ greatly and have totally different flight characteristics. Generally speaking, target arrows are more accurate than hunting arrows. Because of the surface area of the fixed bladed broad heads used in hunting there is a tendency for the arrow to "plane". To help overcome this we suggest that practice be made well in advance of the hunting season with the type of arrows you will be using to achieve consistent groupings. Consider the following when selecting arrows; heavy, stiff spined arrows with fletching hold more energy for humane harvesting at reasonable ranges (15-35 yards). Lighter arrows are much faster however they hold less energy.

1. If the string has been changed was it a Barnett string?
2. Are the arrows straight and fletches (vanes) in good condition?
3. Does the arrow lie flat (true) on the flight groove? Is the arrow retainer too tight or twisted? (Adjust bolt retainer with a pair of needle nose pliers – USE CAUTION)
4. Does the arrow slide smoothly and evenly into the trigger mechanism?
5. When cocking your crossbow, are you pulling equally on each side of the string? (Mark your new strings on each side of the flight track as stated earlier) After cocking the crossbow, make sure the marks are showing evenly on each side of the trigger mechanism.
6. When cocking your crossbow make a conscious effort to hold the string on the flight track so as not to lift over the arrow retainer.
7. Are you putting one fletching down in the flight groove?
8. When using broadheads, line up the blades with the fletches on the arrow (using o-ring).
9. Safety will not release? Was the trigger pulled before the safety was released? If so, push the trigger pull forward and this will release the safety from being stuck.
10. Sight Adjustment problems? Clockwise moves the blade to the right. Counter clockwise moves the blade to the left.

String Fraying

1. Are you using Barnett lubewax on the center string serving and every 5-10 shots and on the flight track when needed?
2. Keep the trigger mechanism and flight surface free of obstruction.
3. Check for metal burrs on the flight track and arrow end caps.

Limb Weak or Losing Power

1. Has the crossbow been dry fired? (This may cause the limb to crack)
2. Inspect the limb for splits or cracks.
3. Are you using a Barnett string? (The proper length.)

Helpful Information

- Use Barnett's 16" Aluminum arrows with offset, straight or helical fletch and moon nock.
- Recommended broad heads – Any three blade low profile broad head with a cutting diameter no more than 1 1/2".
- Mechanical broad heads that simulate the flight of a field point may be used where legal.
- When using broad heads, the blades must be aligned with arrow fletching. This can be done by placing a rubber o-ring between the broad head and the arrow front insert.

IMPORTANT

Because of the power of the Rx150 Crossbow and the inconsistent properties of wooden shafts, which have a tendency to warp, vary in spine stiffness; density; moisture absorption, all of which result in inaccuracy. Barnett International DOES NOT RECOMMEND their use under any circumstance.

CARE AND MAINTENANCE

Care of String

The owners kit contains a tube of lube wax that should be applied to the center serving and flight track every 5 – 10 shots. If the crossbow has been exposed to excessive moisture you may need to apply wax sooner.

Apply lubewax to the center serving of string, rolling string forwards and backwards to ensure even application of wax. Apply lubewax to the flight track in order to extend string life and reduce friction.

Keeping your Crossbow Peak Condition/Maintenance

- Always store your crossbow in a safe, dry place.
- Do not expose your crossbow to extreme heat, such as closed, hot vehicles or near heat sources.
- Inspect string for signs of wear. String showing wear should be replaced immediately.
- Periodically put a few drops of quality lightweight machine oil in the trigger mechanism.
- Keep the flight track and the string serving waxed, reducing friction.
- Your prod can be left strung indefinitely although we do not recommend that the bow be left in the cocked position for periods longer than four hours.
- When storing the crossbow for a long period of time it is recommended that the prod be unstrung.

With reasonable care of your equipment and diligent practice, your Crossbow will remain an accurate, highly efficient hunting weapon.

WARRANTY INFORMATION

The stock, trigger mechanism and limbs are covered under a limited lifetime warranty. Our liability extends to parts, labor and return transportation to the consumer.

Not covered are: strings, arrows, transportation of product to our Service Center; damage caused by abuse, modification or failure to perform normal maintenance; or any other expense, consequential damages, coincidental damages, or incidental expenses including damage to property or person.

There are no other warranties expressed or implied. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

Warranty Registration Card must be mailed within 10 days of purchase to validate the warranty.

To obtain service: Please call for a return authorization number prior to sending the unit and write the RA# on the outside of the package. Return the unit to an authorized Service Center or directly to the factory. For a listing of authorized service centers please call the factory at the toll free number listed below. Attach to the product your name, address, telephone number and a letter describing the problem. Carefully package and return product prepaid.

For further inquiries contact the Service Dept through the toll free number: 1-800-237-4507.

How to reach us:
Barnett International, Inc.
13447 Byrd Drive or
PO Box 934
Odessa, FL, 33556
Phone 813-920-2241
Fax 813-920-5400
E-mail barnett@barnettcrossbows.com

Cut out and mail immediately to:

Barnett International, Inc.
P.O. Box 934
Odessa, FL 33556



WARRANTY CARD

Name _____ Age _____
Address _____
City _____ State _____ Zip _____
Date of Purchase _____ Phone # _____
Place of Purchase _____ Price Paid _____
Purchase Address _____
City _____ State _____ Zip _____

Registration completed by: Dealer () Consumer ()

Sales Representatives Name:

Registration No. _____