



REVOLUTION



OWNER'S MANUAL

Manual Includes the Following:

- | | |
|--------------------------|-----------------------------|
| Safety Guidelines | General Information |
| Assembly Guides | Warranty Information |
| Trouble Shooting | Care and Maintenance |

Congratulations! You are now the proud owner of the finest crossbow in the world!

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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REVOLUTION SPECIFICATIONS

Feet per Second	345
Power Stroke	15.5"
Draw Weight	150 lbs.
String Stock No.	16200
String Length	39.625"
Physical Weight	7.7 lbs.
Length	37.5"
Width	27"

PARTS LIST

Before beginning to assemble your crossbow, take a moment to organize these parts and ensure you have everything you need.

Quantity	Part Name
1	Front Sight Bracket (Not included when bow ships in Package)
2	Brass Sight Pins w/nut, washer and barrel (Not included when bow ships in Package)
2	Front Sights Bracket Screws (Not included when bow ships in Package)
2 each	Front Sight Washers and Nuts (Not included when bow ships in Package)
1	Rear Peep Sight
1 Each	Hex Keys 5/32 3/16 3/32
1	Lubewax

If you are missing any of the above parts, contact the Barnett Service Department at 1-800-237-4507.

Safety Guidelines

The **Revolution** is equipped with an automatic, ambidextrous 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. The crossbow trigger is only to be pulled when the safety is in "fire" position and NEVER when it is in the "safe" position or anywhere between "safe" and "fire." Do not attempt to alter or modify the safety or the trigger mechanism. If the safety will not release, this happens when the trigger is pulled before the safety switch is released. To correct this, push the trigger pull forward, then release the safety catch.

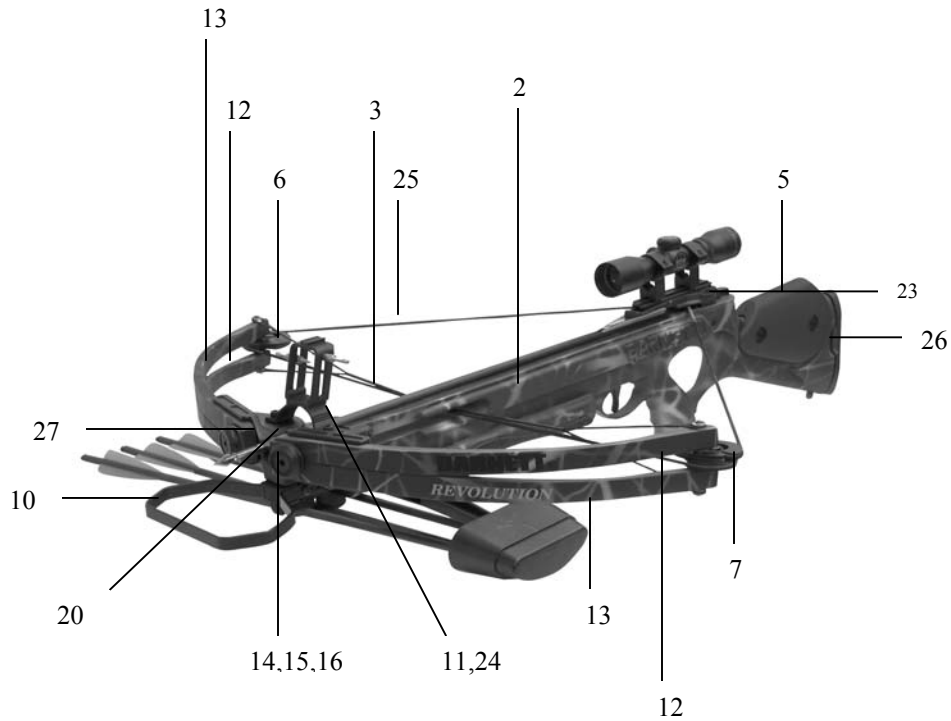
The following rules should be followed at all times:

- **Always keep your fingers below the flight track and out of the path of cables and strings when firing the crossbow.**
- **Never dry-fire the crossbow (shoot without an arrow). *Dry firing will void the warranty* and could result in damage to the limbs, string and cables, 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 22" Carbon Arrows with moon nocks. Arrows of improper stiffness or mass weight may damage the limbs, string, or cables, *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.**
- Always keep you fingers below the flight track when firing your crossbow. The velocity of the string striking your fingers as the string travels forward could cause severe personal injury.

EXTREME CAUTION SHOULD BE USED AT ALL TIMES WHEN HANDLING A CROSSBOW. FAILURE TO FOLLOW THESE RULES COULD RESULT IN SERIOUS INJURY OR DEATH.

BREAKDOWN OF CROSSBOW PARTS

- | | |
|---|------------------------------------|
| 1 AXLE (SYNTHETIC SYSTEM) | 15 LIMB BEZEL WASHER |
| 2 BODY | 16 LIMB BOLT |
| 3 CABLES (SYNTHETIC) | 17 LIMB MOUNTING BLOCK |
| 4 CABLE ANCHOR PULLEY | 18 LIMB MOUNTING BLOCK PINS |
| 5 CHEEK PLATES (SET) | 19 PEEP SIGHT |
| 6 RIGHT CAM (SYNTH) | 20 PROD HOUSING |
| 7 LEFT CAM (SYNTH) | 21 PROD HOUSING ASS'Y |
| 8 E CLIP | 22 PROD LOCKING PIN |
| 9 FIBER WASHERS | 23 SCOPE MOUNT |
| 10 FOOT STRIRRUP | 24 SIGHT PINS |
| 11 FRONT SIGHT WITH SCREWS | 25 STRING (SYNTH) |
| 12 LIMB LEFT UPPER/RIGHT LOWER | 26 STOCK EXTENDER |
| 13 LIMB RIGHT UPPER/LEFT LOWER | 27 STOP BLOCK |
| 14 LIMB BEZEL | 28 TRIGGER MECH |



ASSEMBLY

Attaching Prod Housing to Stock

1. Place bowstring on top of the flight track. Place cables under front edge of flight track and push prod housing onto stock until it seats securely over pins.

See Figure 1

2. Please note when installing the prod housing to the gun body, the prod housing will angle upward as shown in figure 2. **DO NOT ENGAGE FOOT CLAW WHEN PROD HOUSING IS AT THIS ANGLE (Fig. 2).** This will cause damage to the nose of the gun body and prod housing assembly. *You must push prod housing downward so it sets flat on the nose of the gun body as shown in figure 3.*

3. Turn bow over and engage prod, locking hooks over locking pin on the side of the flight track.

4. Pull the foot stirrup until it locks over the latch unlock switch.

The latch unlock switch will click into place over the foot stirrup crossbar and prevent the foot stirrup from unlatching.

See Figure 4

NOTE: This procedure should require some strength to ensure the prod housing locks onto the flight track firmly. If the latch mechanism feels loose or too easy to latch **STOP and call the service department immediately.** 800-237-4507.

- Double check to see that the prod housing is securely seated on flight track and the foot stirrup is securely locked down by the latch unlock switch.

To detach prod housing from stock, reverse this procedure. It will be necessary to pull down the latch unlock switch before disengaging the foot stirrup and unlatching prod locking hooks.



Fig 1

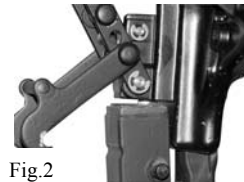


Fig.2

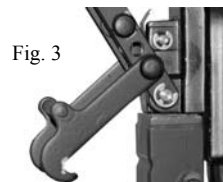


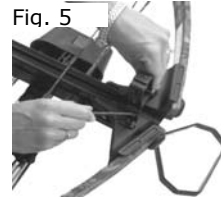
Fig. 3



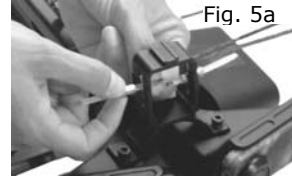
Fig 4

Mounting the Front Sight

1. Align the holes of the front sight bracket with the holes on the prod housing and attach firmly using the screws and washers given in the hardware kit. See Figure 5



2. Insert the first sight pin through the bracket with the slotted screw flush inside the bracket and tighten down the barrel and washer on the outside of the bracket. Install the second pin in the same manner facing first pin.



See Figure 5a

Mounting the Rear Peep Sight

1. Slide onto the attached dovetail with the bell portion facing towards you and tighten. See Figure 6



Installing an Optional Scope

The recommended crossbow scope is a Barnett 4 x 32mm five reticle scope.

1. Remove the peep sight from the scope rail.
2. Move the scope forward or backward until a position for proper eye relief is found.
3. Tighten the scope mounting rings with caution.

Important: Be sure to tighten windage, elevation caps and scope mount rings before shooting crossbow.

Attaching Optional Quiver

1. With crossbow upside down, line up mounting bracket with pre-drilled hole on underside of stock body, install and tighten screw. Line up quick detach quiver bracket with holes on mounting bracket (make sure solid side is up), install and tighten the two detach bracket screws.
2. Attach quiver by placing it on the quick detach bracket with plastic studs facing the mounting plate at a slight angle and twist to secure.

CUSTOM FITTING

For a full custom fit Barnett has developed the Adjustable Cheek Piece and Adjustable Rear Stock. The following procedures will aid you in setting up your Revolution for comfort and accuracy. Once you have customized your adjustments you will shoulder your Revolution in your natural shooting position.

Adjustable Rear Stock

Scopes require a *minimum* distance of 3" eye relief. Eye relief is the distance your eye requires from the rear of the scope to attain a clear field of view.

When making adjustment for use with rear peep these adjustments are based on personal comfort and eye characteristics, as eye relief is not a factor with a peep.

1. Loosen set screws on right side of stock, located above and below the adjustment dial, enough to turn dial freely. See Figure 7
2. Turn adjustment dial (clockwise extends, counter clockwise to retract) to make adjustments for proper eye relief or comfort level. See Figure 8
3. Re-tighten set screws without over tightening to lock in your adjustment.

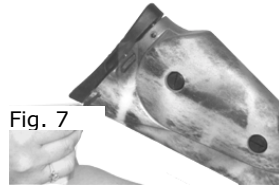


Fig. 7

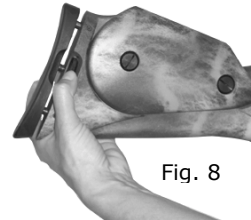


Fig. 8

Adjustable Cheek Piece

1. Loosen both retaining screws from one side of cheek piece one – two full turns. See Figure 9
2. Adjust the angle and or height so your eye aligns naturally and comfortably with your peep sight or scope. See Figure 10
3. Re-tighten retaining screws to lock in your adjustment.



Fig. 9

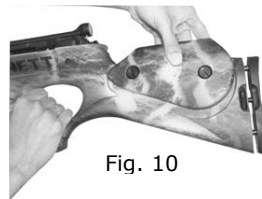


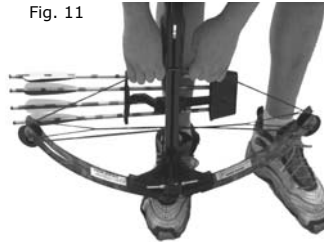
Fig. 10

OPERATION OF THE REVOLUTION

Cocking your Crossbow

Be sure to apply Barnett lubewax to the flight track before cocking.

Fig. 11



1. Place the cocking stirrup (foot claw) on the ground with one foot in the stirrup and the stock end resting against your thigh. See Figure 11
2. Place both hands on the string no more than 1/2" on each side of the crossbow body. With even pressure on each side, pull the string back until it locks into the trigger mechanism with an audible "click".
3. Slowly release hand pressure on the string until you are sure it is locked securely into the trigger mechanism. The crossbow is now cocked with the safety on.

Note: The serving on the string has had a line on each side of the flight surface marked at the factory. After cocking the crossbow make sure that the marks on the string are showing equally on each side of the trigger mechanism. Unevenly cocked crossbows will have erratic arrow flight. When restringing your crossbow mark the serving of the string, on each side of the flight track at rest. Apply Barnett Lubewax to the string serving and track surface.

Loading your Crossbow

- 1.) 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.
- 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.

If arrows with moon nocks are used, be sure that the odd colored fletch is placed in the flight groove and that the concaved nock is parallel to the string.

Firing your Crossbow

To fire the arrow from your crossbow:

- 1.) Point the crossbow in a safe direction.
- 2.) Push the safety forward to the off position. The crossbow will now fire when the trigger is pulled. The safety **MUST** be disengaged in this manner prior to every shot.

BE SURE TO KEEP YOUR FINGERS BELOW THE FORE END (FLIGHT TRACK) WHILE SHOOTING.

Please see photos below.



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.

Unloading your Crossbow

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

Sighting-In the Crossbow

Using the rear peep sight and front sight pins:

1.) Place the first sight pin near the top of the front sight bracket.

2.) Shooting at a target from 10 yards, aim for the bulls eye. If the first shot is above the bullseye, move the pin up (or down if the shot is below the bulls eye).

3.) If the first shot is to the left of the bulls eye, screw the pin to the left (or right if the shot is to the right)

TIP: Move the pin in the direction of the error, follow the arrow. Continue in this manner until you have three consecutive shots into the bulls eye. Repeat this procedure with the other pin, starting near the bottom of the sight bracket. It is recommended that the bottom pin be sighted in to the 35 to 40 yard range.

Arrow Retainer

When loaded, the arrow should lie "flat" in the flight grove. The arrow retaining spring should not be twisted to the left or right and should exert only enough pressure on the rear of the arrow to hold it in place. It should not lift the front of the arrow off the flight grove. At this point, the arrow should be lying directly parallel with the flight grove. We recommend the use of Barnett arrows manufactured specifically for your Barnett crossbow.

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 22" arrows are correctly "spined". **DRY FIRING WILL VOID THE WARRANTY.**

- Use 22" arrows with straight, offset or helical fletches with Moon Nock.
- Recommended fixed blade broadheads can be any three-blade low profile broadhead with a cutting diameter no larger than 1-3/16".
- When using fixed blade broadheads, the blades must be aligned with the fletches of the arrow. This can be done by placing a rubber o-ring between the broadhead and the arrow front insert.

- Mechanical broadheads that simulate the flight of a field point may be used where legal.

IMPORTANT DISCLAIMER

Because of the power of the Revolution 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, Inc. **does not recommend** their use under any circumstance. Possible injury could result from shaft breakage, ect., we accept no responsibility or liability arising from the use of wooded shaft arrows.

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 broadheads 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 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 arrow 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. Have you checked the tiller to see if any adjustments should be made? Tiller is the measurement between the base of the limb and the bowstring. The tiller measurement tells you if both limbs are equally stressed. Your bow is in proper tiller when this measurement is the same for both limbs. Uneven tiller will cause erratic arrow flight. *All crossbows are accurately tillered at the factory prior to shipping.* To adjust the tiller, use a hex key wrench and measuring tape as shown in figure 12.



String Fraying

1. Are you using Barnett lubewax on the center string serving and cables every 5-10 shots and on the flight track when needed?
2. Keep the trigger mechanism and flight surface free of obstruction.

Limbs Weak or Losing Power

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

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. Lubewax should also be applied anywhere the cables make contact with the flight track every 20 – 30 shots. To extend the life of your cables it is important to apply ARCHERY STRING WAX to all non-served areas of the cables and string every 30 - 50 shots or when white fuzz begins to appear. If the crossbow has been exposed to excessive moisture you may need to apply wax sooner.

PRIOR TO EVERY SHOOTING SESSION, IT IS RECOMMENDED THAT A COMPLETE CHECK OF STRING, CABLES, WHEELS, SCREWS AND ARROWS BE MADE.

- **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 cables and strings for signs of wear. Cables showing wear should be replaced immediately by an authorized service center or the factory.**
- **Periodically put a few drops of quality lightweight machine oil in the trigger mechanism.**
- **Periodically lubricate the eccentric wheel axels with lightweight machine oil.**
- **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.**

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, cables, 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 service@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. _____