



# DRAGONFLY

## MULTI-PUMP AIR RIFLE

.177 CALIBER (4.5MM)

.22 CALIBER (5.5MM)

### User Instruction Manual



# ALWAYS FOLLOW THESE SAFETY WARNINGS

**! WARNING:** NOT A TOY. THIS AIR RIFLE IS INTENDED FOR ADULT USE ONLY. MISUSE OR CARELESS USE MAY CAUSE SERIOUS INJURY OR DEATH. MAY BE DANGEROUS UP TO 600 YARDS (549 METERS).

**! WARNING:** DO NOT BRANDISH OR DISPLAY THIS AIRGUN IN PUBLIC; IT MAY CONFUSE PEOPLE AND MAY BE A CRIME. POLICE AND OTHERS MAY THINK IT IS A FIREARM. DO NOT CHANGE THE COLORATION OR MARKINGS TO MAKE IT LOOK MORE LIKE A FIREARM. THAT IS DANGEROUS AND MAY BE A CRIME.

**! WARNING:** THIS IS A HIGH POWERED AIRGUN INTENDED FOR USE BY THOSE 18 YEARS OF AGE OR OLDER. READ ALL INSTRUCTIONS BEFORE USING. BUYER AND USER HAVE THE DUTY TO OBEY ALL LAWS ABOUT THE USE AND OWNERSHIP OF THIS AIRGUN.

**! WARNING:** BE SURE THE AIRGUN IS ALWAYS POINTED IN A SAFE DIRECTION. NEVER POINT THE AIRGUN AT ANYONE EVEN IF IT IS UNLOADED. ALWAYS ASSUME AND HANDLE THE AIRGUN AS IF IT WERE LOADED AND READY TO FIRE.

**! WARNING:** DO NOT INHALE DUST FROM LEAD PROJECTILES OR PUT THEM IN YOUR MOUTH. WASH HANDS AFTER HANDLING LEAD. LEAD PELLETS CONTAIN LEAD, A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS (OR OTHER REPRODUCTIVE HARM).

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## RULES OF SAFE SHOOTING

- **NEVER** point the airgun at any person.
- **NEVER** point the airgun at anything you do not intend to shoot.
- **ALWAYS** treat the airgun as if it was loaded and handle it with the same respect you would a firearm.
- **ALWAYS** aim in a **SAFE DIRECTION**. **ALWAYS** keep the muzzle pointed in a **SAFE DIRECTION**.
- **NEVER** put any part of your hand over the muzzle.
- **ALWAYS** keep the airgun **ON "SAFE"** until you are ready to shoot in a **SAFE DIRECTION**.
- Check behind and beyond your target to be certain you have a safe backstop and that no person or property can be endangered.
- Place the backstop in a location that will be safe should the backstop fail.
- Replace the backstop if it becomes worn.
- **ALWAYS** be sure of your target and what lies beyond it in case you miss.
- **NEVER** shoot at hard surfaces, water or anything else that may cause a ricochet.
- This airgun may only be used where your local laws permit or at shooting ranges allowed by the law, and only if the ammunition does not travel further than the shooting area. Keep in mind the maximum range of the ammunition. **ALWAYS** abide by laws and regulations that apply to airguns.
- **ALWAYS** check to see if the airgun is **ON "SAFE"** and unloaded when getting it from another person or from storage.
- **ALWAYS** keep your finger off the trigger and away from the trigger guard until ready to shoot.
- You and others with you should **ALWAYS** wear safety shooting glasses to protect your eyes.
- If your reading or prescription glasses are not certified safety glasses, make sure you wear shooting glasses over your regular glasses.
- The shooter and everyone in the vicinity should wear hearing protection when shooting and filling guns with high pressure air.
- **NEVER** load your gun until you're ready to shoot and it's safe to do so.
- **ALWAYS** use the correct caliber ammunition that is suitable for the airgun. Use **ONLY** ammunition designed for this airgun.
- **NEVER** reuse ammunition.
- **ALWAYS** store the airgun with the safety **ON "SAFE"** , unloaded, uncocked, separated from the ammunition, out of the reach of children, and in a secure location to prevent unauthorized people from accessing it.
- **DO NOT** attempt to disassemble or tamper with the airgun.
- **DO NOT** put the airgun away loaded.
- **ALWAYS** store this airgun in a safe location.
- **ALWAYS** store ammunition separately from the gun.
- **NEVER** leave the airgun loaded if it is out of your reach.
- **ALWAYS** unload the airgun before giving it to someone else.
- **ALWAYS** read and follow the manufacturer's manual and instructions.
- **NEVER** let a person who has not completely read this manual use this product.

## SPECIFICATIONS

<b>Power Plant</b>	Multi-pump Pnuematic
<b>Recommended Age</b>	18+
<b>Action</b>	Bolt action
<b>Caliber</b>	4.5mm (.177) / 5.5mm (.22)
<b>Magazine</b>	4.5mm (.177) 9 shots / 5.5mm (.22) 7 shots
<b>Barrel</b>	Rifled
<b>Safety</b>	Manual
<b>Velocity*</b>	Up to 800fps in .177 caliber / 500fps in .22 caliber
<b>Front Sight</b>	Non-adjustable blade
<b>Rear Sight</b>	Adjustable for windage and elevation
<b>Optics Rail</b>	11mm
<b>Overall length</b>	38"
<b>Weight</b>	5.35 lbs

\*Approximate velocity with the maximum 8 pumps.  
Velocity will change depending on pellet used.

## OPERATING PROCEDURES

- 1. Learn the Parts of Your New Air Rifle***
- 2. Cocking & Hand Pumping***
- 3. Loading Pellets & Firing***
- 4. Common Issues & Solutions***

# 1. LEARNING THE PARTS OF YOUR NEW AIR RIFLE

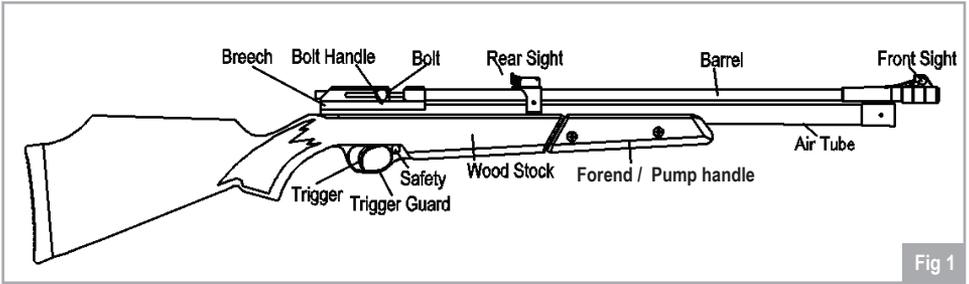


Fig 1

**! WARNING:** BE SURE THE AIRGUN IS ALWAYS POINTED IN A SAFE DIRECTION. NEVER POINT THE AIRGUN AT ANYONE EVEN IF IT IS UNLOADED. ALWAYS ASSUME AND HANDLE THE AIRGUN AS IF IT WERE LOADED AND READY TO FIRE.

## 1B. OPERATING THE SAFETY

To make the rifle safe, push the safety button (located at the front of the trigger guard) from left to right until the red ring is not showing (Fig 1b).

To disengage the safety, push the safety button (located at the front of the trigger guard) from right to left until the red ring appears (Fig 1c).

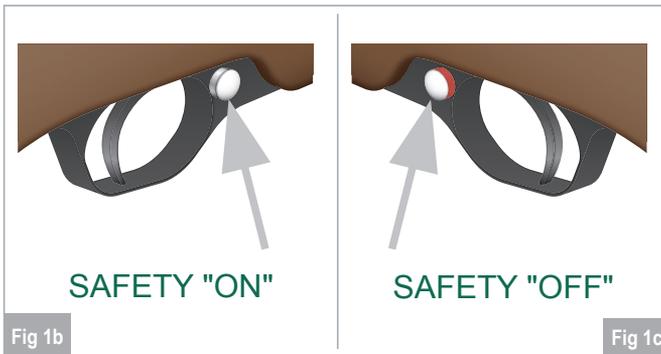


Fig 1b

Fig 1c

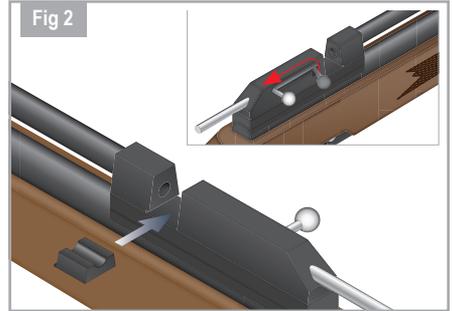
**! WARNING:** KEEP THE AIRGUN ON SAFE UNTIL YOU ARE READY TO SHOOT, THEN PUSH THE SAFETY OFF.

## 2. COCKING AND PUMPING

### A) COCKING

Lift the bolt handle (see Fig 2) and pull back until you hear a "click" sound. This will indicate the rifle is cocked.

*NOTE: You must cock the rifle before pumping. Pressure will not build if the rifle is not cocked.*



### B) PUMPING

After cocking the rifle, pull the forend down and extend it away from the action to its maximum extended position. Once fully extended, press it back to its original position inline with the stock (Fig 3). This is a full pump stroke.

*NOTE: Pumping will increase in difficulty with each pump up to the maximum of 8 pumps.*

**CAUTION:** DO NOT PUMP THIS RIFLE MORE THAN 8 TIMES PER SHOT. OVERPUMPING DOES NOT INCREASE POWER AND MAY DAMAGE THE RIFLE.

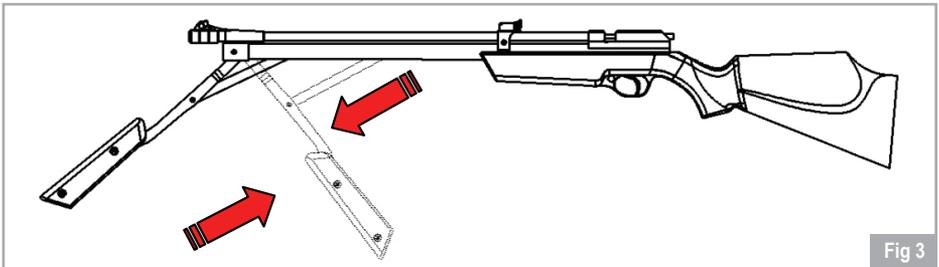
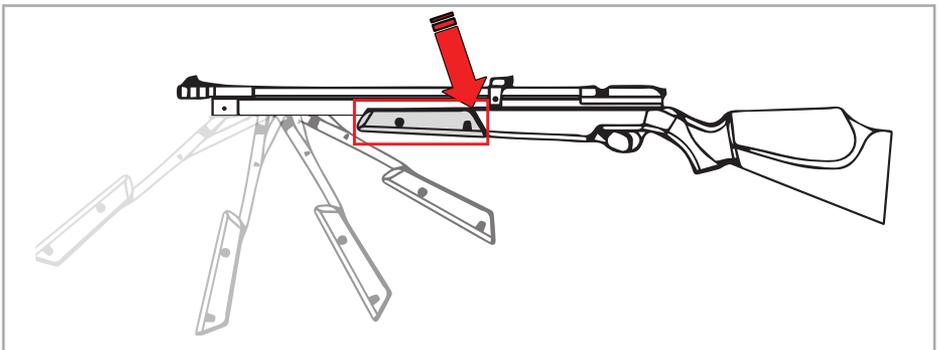


Fig 3

**CAUTION: PINCH POINT** KEEP YOUR HANDS CLEAR OF THE HIGHLIGHTED AREA WHILE OPERATING THE PUMP MECHANISM.



## 3. LOADING

### A) SINGLE SHOT

- Point the air rifle in a SAFE DIRECTION.
- Cock the rifle by pulling the bolt backward to the open position until a click sound is heard.
- With the bolt open, insert the single shot tray from the left side of the breech (Fig 4). The ridge on the tray will match the breech groove. Then place one pellet into the loading port, head first. Load no more than one pellet at a time for SINGLE SHOT.

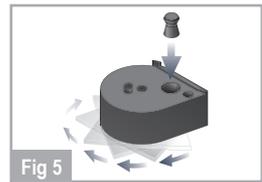
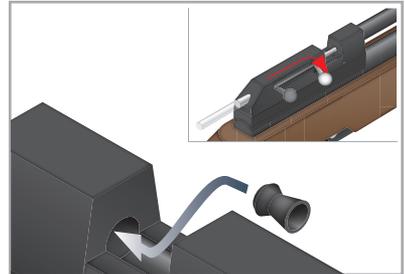
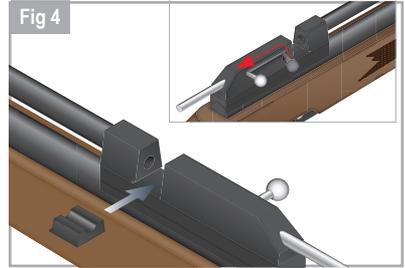
### B) LOADING THE MAGAZINE

- Rotate the clear faceplate counter-clockwise. Load the first pellet into the exposed hole on the backside of the magazine, skirt first (Fig 5). Flip the magazine over and rotate the clear faceplate clockwise, loading a pellet head first into each exposed slot until the magazine is full.

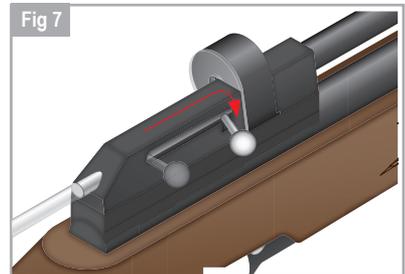
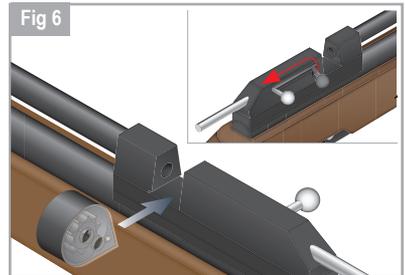
### C) MULTI-SHOT

- With the bolt open, insert the magazine from the left side of the breech (Fig 6). The ridge on the magazine will match the breech groove.
- Close and lock the bolt by pushing the bolt handle forward and down until firm resistance is felt (Fig 7).

### SINGLE SHOT



### MULTI-SHOT



## **! WARNING:**

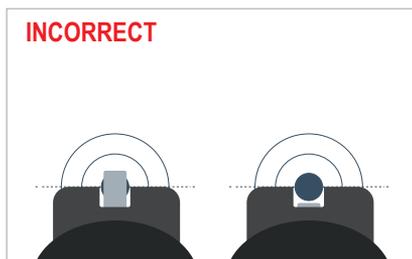
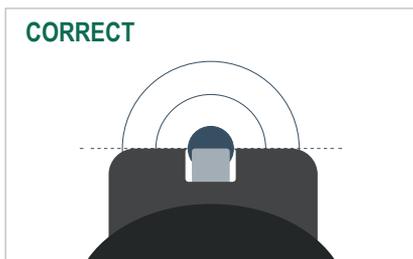
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## 4. AIMING & FIRING

**! IMPORTANT** YOU AND OTHERS WITH YOU SHOULD ALWAYS WEAR SHOOTING GLASSES TO PROTECT YOUR EYES. READ ALL INSTRUCTIONS BEFORE USING. BUYER AND USER HAVE THE RESPONSIBILITY TO OBEY ALL LAWS ABOUT THE PURCHASE, USE AND OWNERSHIP OF THIS AIRGUN.

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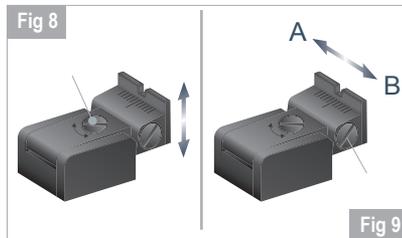
### A) AIMING



### B) SIGHT ADJUSTMENT

**Elevation adjustment:** If the point of impact is too high: turn screw **Fig 8** clockwise. If the point of impact is too low: adjust screw **Fig 8** counter-clockwise.

**Windage adjustment:** Loosen screw **Fig 9**. If the point of impact is too far left: adjust rear sight to **A**. If the point of impact is too far right: adjust to the **B**. Tighten screw **Fig 9**.



### C) FIRING

- Follow the cocking/pumping/loading/aiming procedures on pages 6-8.
- Press the safety into the "OFF" position (*red ring showing*).
- Make sure that the target, backstop and surrounding area are safe.
- After completing these operation steps, squeeze the trigger with a firm, consistent pull. Gradually applying more pressure until the shot is fired.
- Repeat steps for subsequent shots.

## 5. MAINTENANCE

To maintain top shooting performance, lightly oil the three pumping lever hinges and the felt wiper on the piston every 500 shots (Fig 10).

**DO NOT** use light, household type oil or aerosol type spray lubricants since they may contain substances or additives harmful to the rubber seals or other components. **DO NOT** use any lubricant containing petroleum.

Approved lubricants include: 10-, 20- or 30-weight non-detergent, automotive motor oil and pure silicone lubricants.

Clean the exterior with a soft, clean, lightly oiled cloth. The screws are a gun blue finish; wipe with oil to prevent rust.

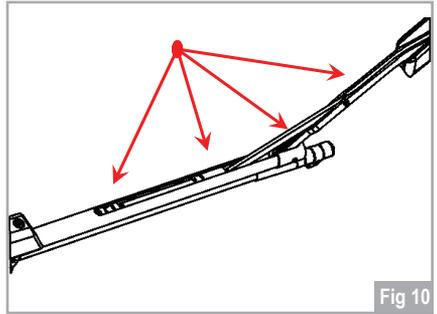
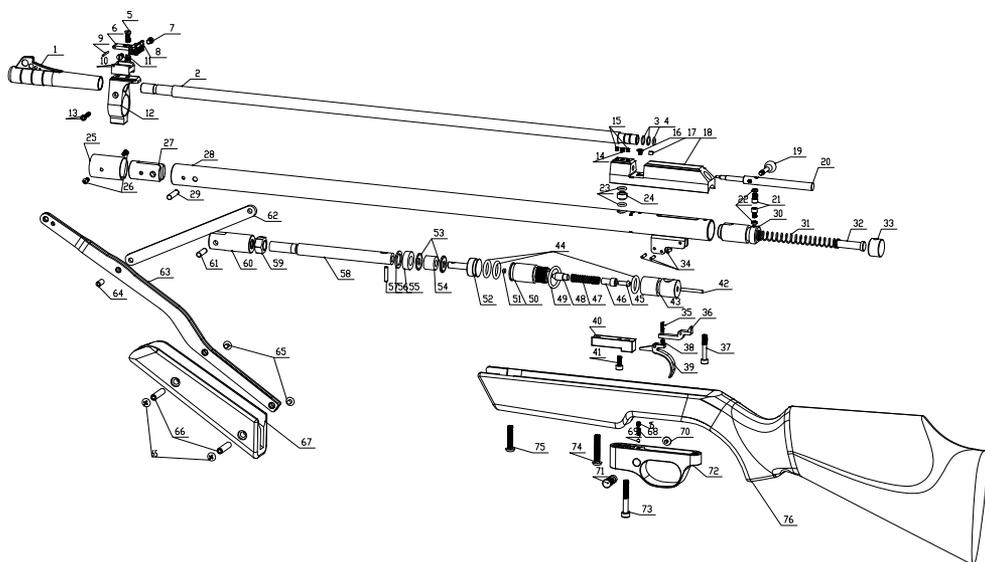


Fig 10

## 6. COMMON ISSUES AND SOLUTIONS

#	ISSUE	SOLUTION
1	Rifle is not grouping accurately	1) Clean barrel 2) Tighten fixing screws (part #13)
2	Leakage when fired at breech/loading port	Change/replace breech O-ring
3	Cocking bolt becomes heavy or gritty to cock	Clean around the bolt probe and lubricate the bolt probe

## 7. SCHEMATICS



NO.	PART NAME	QTY.
1	front sight	1
2	barrel	1
3	barrel O ring	2
4	breech O ring	1
5	elevation knob	1
6	rear sight base	1
7	windage knob screw	2
8	rear sight	1
9	rear sight base pin	1
10	rear sight base block	1
11	rear sight base spring	1
12	air reservoir mount	1
13	air reservoir mount screw	1
14	safety screw	1
15	barrel fixing screw	3
16	front sight screw2	1
17	insert magnet1	1
18	breech	1
19	bolt	1
20	firing pin	1
21	piston screw bushing	2
22	piston screw	2
23	valve connector O ring	2
24	air connector	1
25	air reservoir cover	1
26	air reservoir stopper screw	2
27	air reservoir stopper	1
28	air reservoir assembly	1
29	pressure lever	1
30	hammer	1

NO.	PART NAME	QTY.
31	hammer spring	1
32	piston rod	1
33	piston cover	1
34	trigger screw	3
35	trigger spring	1
36	sear	1
37	breech lower screw	1
38	trigger screw	1
39	trigger	1
40	trigger base	1
41	trigger base screw	1
42	exhaust valve pin	1
43	exhaust valve 2	1
44	valve O ring 1	3
45	exhaust valve core	1
46	exhaust valve core cover	1
47	valve spring	1
48	valve	1
49	valve O ring	1
50	intake valve	1
51	foamy copper	1
52	piston	1
53	cushion	1
54	cylindrical rubber	1
55	sponge ring	1
56	sponge cushion	1
57	split pin	1
58	piston rod	1
59	piston rod nut	1
60	piston rod connector	1

NO.	PART NAME	QTY.
61	piston rod connector pin	1
62	cocking lever	1
63	cocking lever assembly	1
64	cocking lever pin	1
65	front grip screw	4
66	grip pin	2
67	front grip	1
68	safety spring	1
69	defent ball	1
70	right safety button	1
71	left safety button	1
72	trigger guard	1
73	trigger guard screw	1
74	wood stock screw	1
75	air reservoir screw	1
76	wood stock	1

## 8. WARRANTY

### One-Year Limited Warranty

This product is warranted to the retail consumer for one year from date of retail purchase against defects in material and workmanship. In the unlikely event there are any defects in materials or workmanship in the first twelve (12) months after retail purchase, we will repair or replace the defective items under warranty.

#### What is covered:

Replacement parts and labor. Transportation charges to consumer for repaired product.

#### What is NOT covered:

- Transportation charges to Air Venturi for defective products.
- Any damage or faults caused by owner misuse, action or inaction.
- Damages caused by abuse or failure to perform normal maintenance.
- Any other expense.
- Parts subject to normal wear and tear.
- Consequential damages, incidental damages or incidental expenses including damage to property.

This warranty is in addition to your statutory rights. Retain your sales receipt as proof of purchase.

**NOTE:** *Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.*

#### Warranty claims:

Call Air Venturi at **216-220-1180** before returning any product.

#### Implied warranties:

Any implied warranties, including the implied warranties of merchantability and fitness for a particular purpose, are limited in duration to one year from date of retail purchase.

**NOTE:** *Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.*

To the extent any provision of this warranty is prohibited by federal, state or municipal law which cannot be preempted, it shall not be applicable. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state and country to country. Illustrations and photographs are for information purposes only and may not show the exact model purchased.

#### The warranty shall be invalid if the Airgun:

- Has been incorrectly disassembled, reassembled or maintained.
- Has been fitted with non-Air Venturi parts.
- Has been abused, misused or improperly stored.
- Original purchase receipt cannot be presented.









# Air venturi

*The Power of Air*

AIR VENTURI

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