



**WINCHESTER**  
AIR RIFLES

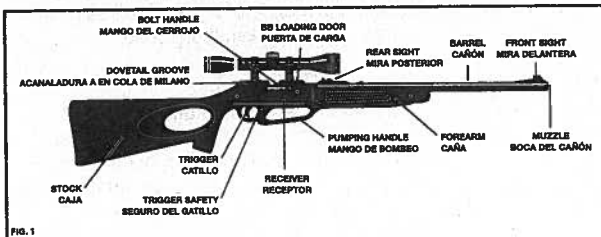
A Product of Daisy Outdoor Products®

**Model 77XS**  
Multi-Pump Pneumatic Air Rifle



Use .177 cal. (4.5 mm) LEAD AIRGUN PELLETS  
AND BB .177 cal. (4.5mm) STEEL AIRGUN SHOT

This manual is intended for Winchester® Airguns, distributed by Daisy Outdoor Products® and does not apply to firearms bearing the Winchester® name. Winchester® is a registered trademark used under a license by Daisy®.



**⚠ WARNING:** NOT A TOY. ADULT SUPERVISION REQUIRED. MISUSE OR CARELESS USE MAY CAUSE SERIOUS INJURY OR DEATH. MAY BE DANGEROUS UP TO 291 YDS. (266 m). THIS IS A HIGH POWER AIR GUN RECOMMENDED FOR USE BY THOSE 16 YEARS OF AGE OR OLDER. READ ALL INSTRUCTIONS BEFORE USING. THE PURCHASER AND USER SHOULD CONFORM TO ALL LAWS GOVERNING USE AND OWNERSHIP OF AIR GUNS.

**ACCORDING TO CALIFORNIA LAW**

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

**⚠ WARNING:** EVEN IF YOU FIRED THE AIRGUN ONE OR MORE TIMES AND NO BB OR PELLET IS EXPELLED, IT DOES NOT MEAN THAT THE GUN IS EMPTY OF BBS OR PELLETS. CONTINUE TO TREAT THE AIRGUN AS IF IT IS LOADED.

**⚠ WARNING:** THIS GUN CAN CAUSE DEATH IF CARELESSLY USED OR MISUSED. READ AND FOLLOW THE INSTRUCTIONS CAREFULLY. DO NOT LOAD A BB OR PELLET INTO THE GUN UNTIL YOU ARE READY TO SHOOT. IF YOU DO LOAD A BB OR PELLET AND THEN DECIDE NOT TO SHOOT, REMOVE IT EITHER MANUALLY OR BY SHOOTING THE GUN AT A SAFE TARGET. THIS GUN IS SAFEST WHEN UNLOADED AND UNCOCKED. ACCIDENTS HAPPEN FAST, AND ACCIDENTALLY INJURING OR KILLING SOMEONE IS A TERRIBLE THING. PLEASE SHOOT SAFELY.

**⚠** This safety alert symbol indicates important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows. The "Introduction to Winchester® Air Rifle Shooting" section of this book which starts on page 12, tells about the rules of shooting safety. READ THIS SECTION. Follow the safety rules and make certain anyone using your gun has been instructed in proper gun handling and safety. More power means greater chance of serious injury or death. Be sure to read the rules for "Proper Gun Handling" on pages 12 - 13.

Winchester® Air Rifles shoot with much more muzzle energy than most BB and pellet guns. Use extreme caution when operating this gun. Although your new Winchester® Air Rifle is not a firearm, it has lethal potential and should be treated with the caution and respect due any conventional firearm. Like a firearm, your Winchester® Air Rifle, when misused or carelessly used, can kill or seriously injure the shooter or other persons. Always remember, the first and most important safety feature of any gun is the shooter. All safeties are mechanical devices and the shooter is the only part of the system that can make a gun safe—or unsafe. DON'T DEPEND ON MECHANICAL SAFETIES — think ahead and avoid situations that might lead to accidents.

Guns differ in their operation, and you are never ready to fire any gun until you are thoroughly familiar with it. Read the following operating instructions and WITHOUT LOADING ANY BBS OR PELLETS, proceed through the operating steps, dry firing your gun several times at a safe target. This will enable you to learn to operate the Winchester® Air Rifle properly and safely.

## PRIOR TO OPERATION

**WARNING:** Be sure the gun is always pointed in a safe direction. Never point the gun at anyone. Always assume and handle the gun as if it were loaded and ready to fire.

## OPERATION STEPS

- Step 1. OPEN BOLT
- Step 2. PUT "ON" TRIGGER SAFETY
- Step 3. PUMP
- Step 4. LOAD
- Step 5. CLOSE BOLT
- Step 6. AIM AT SAFE TARGET
- Step 7. TAKE "OFF" TRIGGER SAFETY
- Step 8. FIRE

## NEVER STORE A LOADED GUN

At the end of a shooting session, as a safety precaution, always unload ammunition from the rifle. (See instructions on page 9) and store the gun uncocked. Store in a safe place to prevent unauthorized use and store ammunition in a separate location.

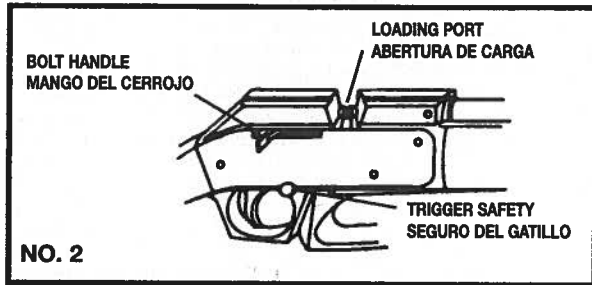
### STEP 1. OPEN BOLT

Pull straight back on bolt handle, pulling it fully to the rear (No. 2). The gun cannot fire with bolt open.

### STEP 2. PUT "ON" TRIGGER SAFETY

The bolt must **FIRST** be opened, then the trigger safety is pushed from the left to right so that **NO** red is showing (No. 3).

**CAUTION:** Even when the safety is in the "ON" safe position, you should continue to handle the gun safely. Don't point the gun at anything that you don't intend to shoot. NOTE: The safety is manual and not automatic. It will only do its job when you do yours. **REMEMBER, THE BEST SAFETY IS GOOD GUN HANDLING.**

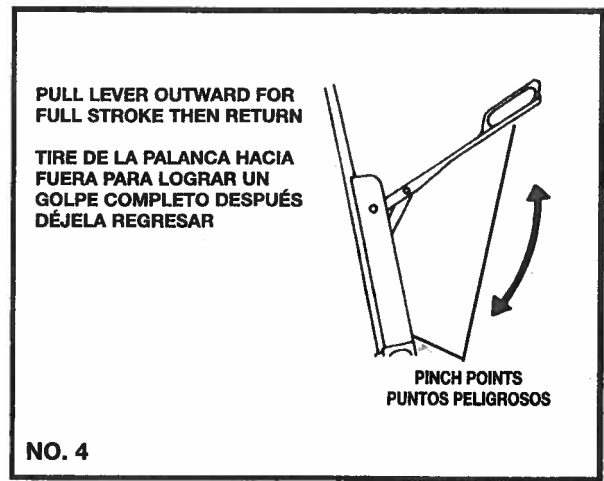


### STEP 3. PUMP

The bolt must be opened to pump gun. For greater safety, we recommend that the bolt remain open while pumping and that you close the bolt only when the barrel can be pointed in a safe direction. With the muzzle pointed in a safe direction, pump the gun the desired number of times up to 10. More power means greater chance of serious injury. Never put finger on trigger until ready to fire the gun. NOTE: Do not pump your gun more than 10 times. Muzzle energy increases produced by more than 10 pumps are minor, and increased pumping will damage your gun.

**CAUTION:** Be sure to grasp pump handle firmly as you close the lever to prevent it from snapping back and causing possible injury. Also be careful to keep fingers out of cocking mechanism when closing lever. (No. 4).

**WARNING:** Do not open the bolt, close the bolt, and then pull the trigger before pumping. This procedure can result in a loaded gun and a projectile being expelled from the gun during pumping. Recock the gun by opening the bolt and put "on" trigger safety before pumping as in Steps 1 and 2.



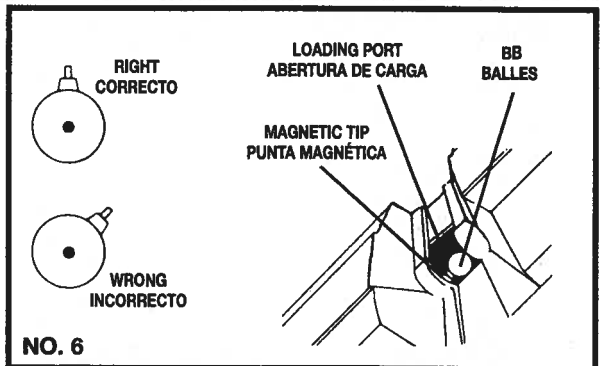
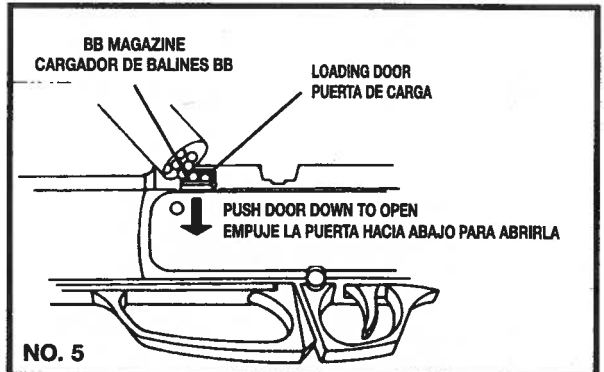
### STEP 4. LOAD

#### LOADING BBs:

With the bolt handle back and BBs in the magazine (See "BB MAGAZINE" section), RAISE the muzzle of the gun 45 degrees to 90 degrees. When raising the muzzle, be sure the front sight is pointed upward since the gun may not feed properly if it is on its side (No. 6). A BB can be seen on the magnetic tip by looking into the loading port (No. 6). If a BB does not feed onto the magnetic tip when the muzzle is raised, shake the gun slightly. Push bolt handle fully forward and the BB is in firing position. Be sure the front sight is pointed upward when raising the muzzle to insure proper feeding.

**CAUTION:** Always view the BB or Pellet when closing the bolt and loading port.

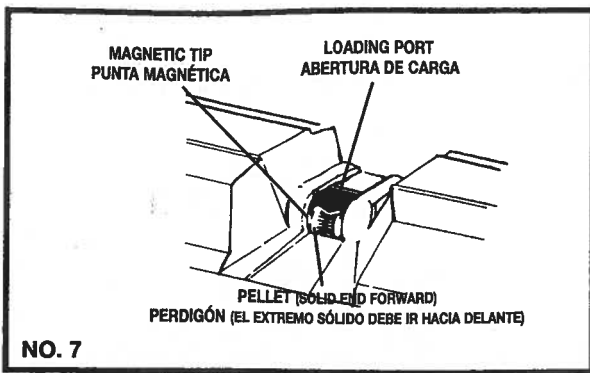
**WARNING:** BBs feed from the magazine by gravity which requires that the muzzle be raised. **NEVER ASSUME THE MAGAZINE OR CHAMBER IS EMPTY** even if the gun does not fire a projectile.



#### LOADING PELLETS:

With the bolt back and BBs removed from the magazine (See "TO EMPTY MAGAZINE," Page 9), advance the bolt forward until the magnetic tip is visibly even with the rear edge of the pellet loading port; lower the muzzle and load a pellet, solid end forward (No. 7). Push the bolt handle fully forward and the pellet is chambered in the firing position.

**IMPORTANT:** Do not allow a pellet to fall into the rear of the loading port and become jammed in the BB feed hole. If this occurs, have a



qualified gunsmith remove the left receiver and clear the loading port or return gun to Daisy.

**IMPORTANT:** Care must be exercised when shooting pellets while the magazine contains BBs. Loading a BB and pellet at the same time may result in a jammed or obstructed barrel.

#### Step 5. CLOSE BOLT

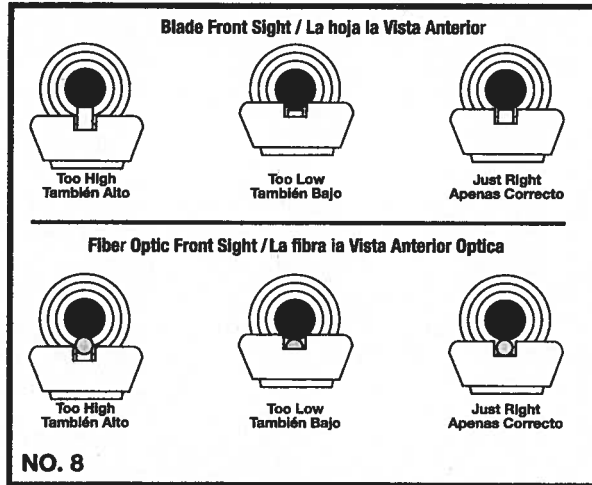
Close bolt by pushing fully forward on bolt handle to chamber either a BB or pellet and lock the bolt.

**CAUTION:** The gun is now loaded and ready to fire.

#### Step 6. AIM AT SAFE TARGET

Aim the gun at a safe target. To be a consistent marksman, use the correct sight picture each time you fire your gun (No. 8). Never point a gun, loaded or unloaded, at anyone.

**CAUTION:** Due to the power of this air gun, use extra caution in selecting a safe target backstop. Select the proper target and backstop based on the ammunition you are shooting. BBs should NEVER be shot into a pellet trap. Pick targets and backstops that cannot be penetrated or that will not cause ricochet because of their hard surface. Use only targets and traps that are designed for use with high power air guns. Do not shoot at water.



#### Step 7. TAKE "OFF" TRIGGER SAFETY

When you are certain the target, backstop and surrounding area is safe, take trigger safety "OFF" by pushing from right to left so that red is exposed. Your gun is now cocked and ready to shoot. In this condition, it should be handled with extreme care.

#### Step 8. FIRE

After making sure the gun is pointed in a safe direction, gently (but firmly) squeeze the trigger. Repeat Steps 1 through 8 to continue shooting, using the appropriate loading procedure. NOTE: To fire, bolt must be completely closed as indicated in Step 5.

**CAUTION:** Do not leave your gun pumped for an extended period of time. This could result in a time delay from the time the trigger is pulled until the projectile is expelled from the gun. Also, leaving your gun pumped for more than one hour could result in permanent damage to the air release valve.

**WARNING:** If a BB or pellet does not fire after completing the operation steps, the gun is jammed. This is a dangerous condition.

## CLEARING A JAM

Open the bolt and put "ON" trigger safety immediately. If the bolt is not completely closed, do not try to close it until after opening it by pulling the bolt handle all the way back. The gun will not fire a projectile when the bolt is completely open.

Repeat all operations except Step 4 (do not load BB or pellet), pumping gun up 10 times. If a projectile still does not fire, follow these steps carefully:

1. Open bolt.
2. Put trigger safety "ON".
3. Clear barrel by running a cleaning rod through from the muzzle end. Be careful not to damage the bolt tip by pushing the rod through too hard. Do not reuse this BB or pellet.
4. Repeat operation steps. Make sure a BB or pellet is fed into firing position. If after following the firing procedure the projectile is not fired, return your gun to Daisy (See "REPAIR OF DAISY GUNS" section).

**WARNING:** Never assume gun is empty of projectiles. Always point the gun in a safe direction.

## TO EMPTY BB MAGAZINE:

Open bolt and put trigger safety "ON". Open the BB magazine door, cup your hand over it and tilt the gun fully to the left side. Shake gun until all BBs are removed. Then remove BBs from loading port (No. 2).

**WARNING:** EVEN IF YOU HAVE FIRED THE AIRGUN ONE OR MORE TIMES AND NO BB WAS EXPELLED, IT DOES NOT MEAN THAT THE GUN IS EMPTY OF BBs. CONTINUE TO TREAT THE AIRGUN AS IF IT IS LOADED.

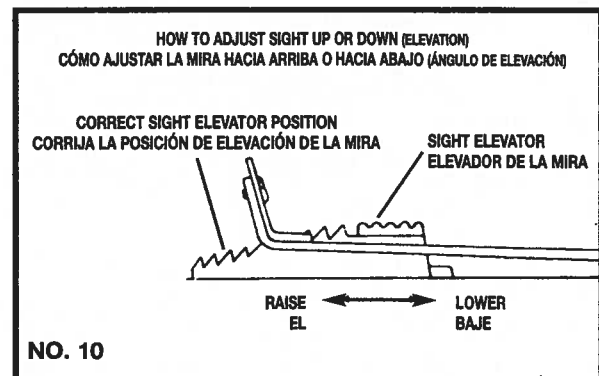
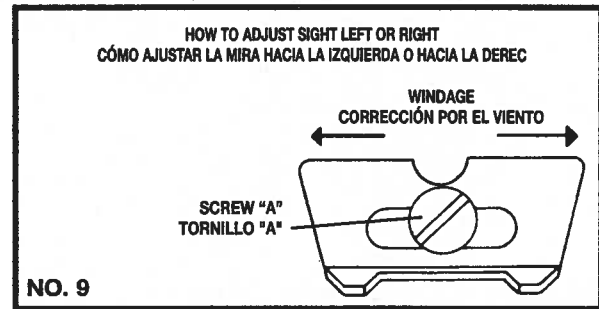
## REAR SIGHT ADJUSTMENT:

Your air gun is equipped with an adjustable rear sight.

### HOW TO ADJUST SIGHT RIGHT OR LEFT (WINDAGE):

Loosen screw "A" by turning counterclockwise (No. 9). Move rear sight to the right side of the gun to make it shoot to the right, or to the left side of the gun to make the gun shoot to the left. Make certain screw "A" is retightened after adjustment.

**HOW TO ADJUST SIGHT UP OR DOWN (ELEVATION):**  
Raise the rear sight by moving sight elevator back to make the gun shoot higher. Lower the rear sight by moving the sight elevator forward to make the gun shoot lower (No. 10).

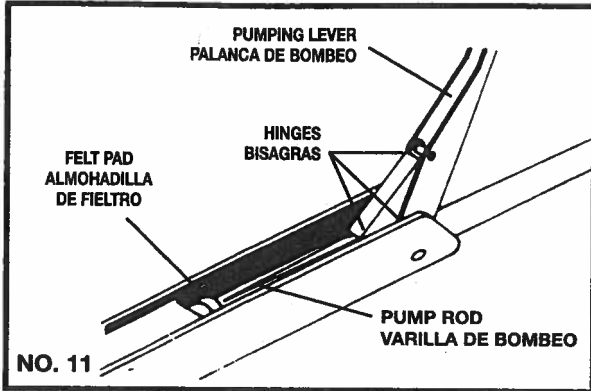


## PROPER CARE

To maintain top shooting performance, lightly oil the three pumping lever hinges and the felt wiper on the piston every 1,000 shots (No. 11). Use a 10-, 20- or 30-weight non-detergent, automotive motor oil. DO NOT use light, household type oils or aerosol type spray lubricants since they may contain substances or additives

harmful to the rubber seals or other components. Clean the exterior by wiping with a soft, clean, lightly oiled cloth. The screws are a gun blue finish; wipe with oil to prevent rust.

**CAUTION:** Improper lubricants, such as aerosol type spray lubricants, can ignite (diesel) during pumping. Use only automotive motor oils.



## STORAGE

Before putting the gun away in a cabinet or gun rack, shoot the gun at a safe target to make sure the pump system and barrel are empty. Then, open the bolt and place the trigger safety "ON", then close the bolt. Always make sure the gun is empty and the trigger safety is "ON" before storage; the gun should also be clean, dry and oiled.

Store projectiles in a separate location from the gun to keep it away from untrained shooters.

**WARNING:** EVEN IF YOU HAVE FIRED THE AIRGUN ONE OR MORE TIMES AND NO BB OR PELLET WAS EXPELLED, IT DOES NOT MEAN THAT THE GUN IS EMPTY OF AMMO. CONTINUE TO TREAT THE AIRGUN AS IF IT IS LOADED.

## MODIFICATION

**WARNING:** The components of this gun were engineered to deliver optimum performance. Any modification or tampering with a gun may cause a malfunction and may make it unsafe to use. Any change in performance, such as a lowered trigger force and shortened trigger travel, indicates possible wear, and such gun should be inspected, replaced or properly repaired by qualified personnel. Any gun that has been dropped should be checked by qualified personnel to insure that its function has not been effected.

**WARNING:** A GUN THAT IS NOT OPERATING PROPERLY MAY BE DANGEROUS. IT SHOULD BE KEPT SAFELY FROM USE BY ANYONE UNTIL REPAIRED OR DESTROYED. DO NOT TRY TO TAKE THE GUN APART. IT IS DIFFICULT TO REASSEMBLE, AND IMPROPER REASSEMBLY CAN CAUSE A HAZARDOUS CONDITION.

## GUNS IN WARRANTY

### LIMITED ONE — YEAR WARRANTY

For one year from date of purchase, Daisy will repair or replace this gun, free of charge, if defective in material or workmanship. Service is available by returning the gun to Daisy Outdoor Products. Attach to the gun your name and address and telephone number, description of problem and proof of date of retail purchase (sales slip). Package and send to Daisy Outdoor Products, transportation prepaid.

This Warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

## GUNS OUT OF WARRANTY

If your Daisy needs repair, call Customer Service at 1-800-713-2479 for repair or replacement charge. We accept Visa and Mastercard. When paying by check or money order, please send with gun. Attach to the gun your name, street address (Not Post Office Boxes) and description of the problem. Package and send, transportation prepaid, to Daisy Outdoor Products, Service Department. Daisy will repair the gun or replace it with a reconditioned gun of the same model, if available, otherwise with a model of equivalent quality.

Exploded gun part drawings and price lists are available from Daisy Service Department. Please make sure you state model number stamped on barrel. Service and parts charges are subject to change without notice.

**Daisy Outdoor Products  
Service Department,  
308 West Stribling Drive  
Rogers, AR 72756 U.S.A.**

NOTE: We recommend returning guns via UPS.

## SPECIFICATIONS:

<b>ACTION</b>	Multi-pump pneumatic pump-up BB repeater; single shot pellet
<b>CALIBER</b>	.177 cal. (4.5mm)
<b>AMMO CAPACITY</b>	50-shot BB; single-shot pellet
<b>OVERALL LENGTH</b>	37.6 in. (95.8cm)
<b>WEIGHT</b>	3.1 lbs. (1.45 kg)
<b>TARGET DISTANCE</b>	33 ft. (10m)
<b>MAXIMUM SHOOTING DISTANCE**</b>	BB: 291 yds. (266m)* Pellet: 286 yds (262m)*
<b>BARREL</b>	20.8 in. (53cm) rifled steel barrel
<b>SAFETY</b>	Manual cross bolt trigger block

\*Indicates 10 pumps

\*\*With muzzle pointed upward at optimum angle