



OPERATION MANUAL

FOR

BREAK-BARREL & SIDE-LEVER PELLET RIFLES

Break-Barrel Air Rifles

Model 34
Model 34 PANTHER
Model 350 MAGNUM

Side-Cocking Air Rifles

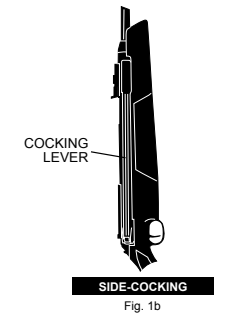
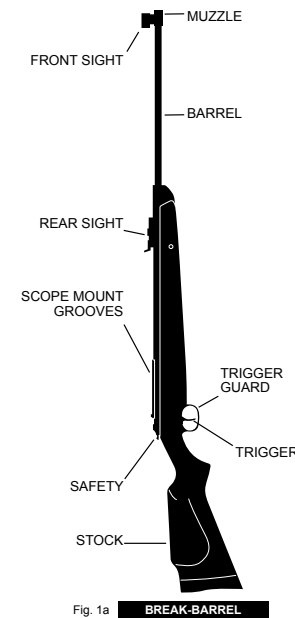
Model 48
Model 52
Model 54

WARNING: THIS AIRGUN IS RECOMMENDED FOR ADULT USE ONLY. MISUSE OR CARELESS USE MAY CAUSE SERIOUS INJURY OR DEATH. MAY BE DANGEROUS UP TO 550 YARDS (503 METERS).

THIS IS A HIGH POWERED AIRGUN 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 AIRGUNS.

WARNING: THIS GUN CAN CAUSE SERIOUS INJURY OR DEATH. READ AND FOLLOW THE INSTRUCTIONS CAREFULLY. DO NOT LOAD A PELLET INTO THE GUN UNTIL YOU ARE READY TO SHOOT. IF YOU DO LOAD A PELLET AND THEN DECIDE NOT TO SHOOT, REMOVE IT EITHER MANUALLY OR BY SHOOTING THE GUN AT A SAFE TARGET. AN UNLOADED, UNCOCKED GUN WHICH IS "ON SAFE" IS SAFEST. ACCIDENTS HAPPEN FAST, FATALLY WOUNDING SOMEONE IS A TERRIBLE THING. PLEASE SHOOT SAFELY.

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 thoroughly prior to operating.

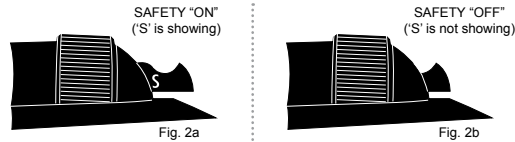


⚠ CAUTION: You and others with you should wear shooting glasses to protect your eyes.

PRIOR TO OPERATION

Make sure the rifle is "ON SAFE".

Pull safety to rearward position — 'S' SHOWING (See Fig. 2a).



OPERATING INSTRUCTIONS

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

STEP 1. PUT "ON SAFE"

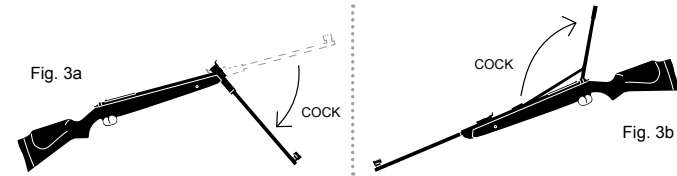
Pull safety to rearward position — 'S' SHOWING (See Fig. 2a).

STEP 2. COCK

⚠ WARNING: WHEN COCKING THE RIFLE DO NOT PLACE YOUR HAND OVER OR IN FRONT OF THE MUZZLE. DON'T ALLOW THE MUZZLE TO POINT TOWARD YOU OR ANYONE ELSE DURING COCKING. ALWAYS KEEP THE MUZZLE POINTED IN A SAFE DIRECTION.

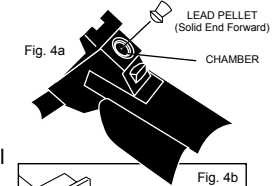
(BREAK-BARREL) — With one hand grasp stock firmly behind trigger guard, avoiding contact with the trigger, and brace the butt end of the stock against your thigh. Grasp the barrel near the muzzle end, just behind the front sight. Pull downward and to the rear until it comes to a solid stop. You will hear a click indicating that the spring piston has been locked into position. (See Fig. 3a)

(SIDE-LEVER) — Firmly grasp the air rifle in a manner which will not interfere with the cocking lever. Pull the side lever toward butt of the gun until it comes to a solid stop (See Fig. 3b). You will hear a click indicating that the spring and piston are locked into position. This action will cock the gun and open the breech.



STEP 3. LOAD

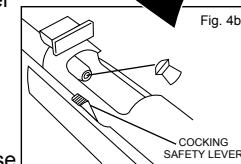
Insert the correct caliber lead pellet carefully into the chamber of the breech end which is now exposed (Break barrel see Fig 4a, Side lever see Fig. 4b). Be sure to seat the pellet flush with the breech. Avoid damaging the pellet skirt.



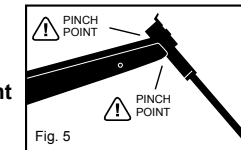
STEP 4. CLOSE BARREL / LEVER

(BREAK-BARREL) — Firmly grasp the barrel behind the front sight, return the barrel to its original closed and latched position.

(SIDE-LEVER) — Before returning the side lever to its original position, depress the cocking safety lever (See Fig 4b) on the left side of the cylinder. Grasp the side-lever, close to its original position.



⚠ CAUTION: Be careful to keep fingers clear of cocking mechanism. (See "Pinch Points", Fig. 5) Grasp the barrel or lever firmly as you cock it and close it to prevent it from snapping back and possibly causing injury.



STEP 5. AIM AT A SAFE TARGET

⚠ CAUTION: Your backstop should be inspected for wear before and after each use. Discontinue use if the backstop surface shows signs of failure. Always place the backstop in a location that will be safe should the backstop fail. Discontinue the use of a backstop if the projectile rebounds or ricochets.

STEP 6. PUT "OFF SAFE"

'S' NOT SHOWING (See Fig. 2b).

STEP 7. FIRE

Pull the trigger.

⚠ WARNING: IF A PELLET DOES NOT FIRE AFTER COMPLETING THE OPERATION STEPS, THE GUN MAY BE JAMMED. AN UNFIRED PROJECTILE IN THE BARREL CAN BE A DANGEROUS SITUATION. KEEP GUN POINTED IN A SAFE DIRECTION AND REPEAT ALL OPERATION STEPS EXCEPT STEP 3. IF A PROJECTILE STILL DOES NOT FIRE, DO THE FOLLOWING:

1. Put in "ON SAFE" position – 'S' SHOWING. (See Fig. 2a)
2. Cock the gun and leave the barrel open with the safety in the "ON SAFE" position.
3. Clear barrel by running a cleaning rod through from muzzle end.
4. Repeat operation steps.

UNLOAD PELLET

Fire the pellet at a safe target to unload the gun. If this is not practical, put the gun "ON SAFE", cock the gun to open the barrel and push the pellet from the chamber by running a cleaning rod through the muzzle end. Insert a felt cleaning pellet and discharge into a safe target.

TRIGGER DEVICE

The Models 34, 34 Panther, 350 Magnum, 48, 52 and 54 are equipped with an adjustable two stage trigger as standard. Both the trigger travel and pull-off point are already factory adjusted.

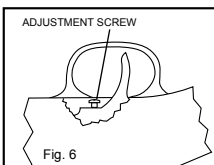
The length of first stage travel can be adjusted with the trigger adjustment screw (See Fig. 6).

Turn clockwise = shorter first stage.

Turn counterclockwise = longer first stage

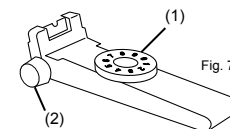
Turning the adjustment screw too far counterclockwise will cause the second stage to be eliminated, resulting in the shooter not being able to feel the firing point.

⚠ CAUTION: Check the tightness of the front trigger guard and stock screws between, during and after shooting activity. Loose screws may cause injury or death.



SIGHT ADJUSTMENT

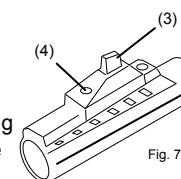
RWS Rifles are equipped with a micrometer rear sight, with vertical and horizontal adjustment at the rear.



– The settings for elevation are marked by the numbers 0-9 on the elevation adjustment screw. If the rifle shoots high: turn the screw (1) clockwise (See Fig. 7a). If the rifle shoots low: turn the screw (1) counterclockwise (See Fig. 7a). *Note: the numbers 0-9 are reference numbers only and are not calibrated to distances.*

– Windage settings are marked on the sliding scale on the rear sight rail and are controlled by turning the screw (2) on the side (See Fig. 7a). If the rifle shoots to the right: adjust clockwise. If to the left: adjust counterclockwise.

– RWS Models 48, 52 and 54 are equipped with an adjustable front sight [(3)-See Fig. 7b]. It can be adjusted by loosening the screw (4), move it by sliding to a lower or higher position. Afterwards retighten the screw.



STORAGE

NEVER STORE A LOADED OR COCKED GUN. Put "ON SAFE" and unload pellet from the gun. Keep rifle away from children and untrained shooters. Store pellets separately from the rifle to keep them from untrained shooters. Protect your rifle from moisture and dirt; clean gun and wrap it in a smooth, dry cloth, or store the gun in the package it came in when new. If you are going to store your airgun for an extended length of time be sure the barrel is protected. This can be accomplished by coating the bore with a good acid-free and resin-free oil or grease. Always use a soft brush and insert the cleaning rod from the breech end on break barrel rifles. On side cocking rifles, insert the cleaning rod from the muzzle end. Remove the oil/grease completely before the next use.

MODIFICATION

⚠ CAUTION: The components of this gun were engineered and manufactured to deliver optimum performance. Any modification or tampering with a gun may cause a malfunction, void your warranty and may make it unsafe to use. Any change in performance (such as a lowered trigger pull force and shortened trigger travel), indicates

possible modification, tampering and/or wear. Such gun should be inspected, replaced or properly repaired by only qualified RWS / Umarex USA personnel. Any gun that has been dropped should be checked by qualified personnel to ensure that its function has not been affected.

⚠ 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 DISASSEMBLY OR REASSEMBLY CAN CAUSE SERIOUS INJURY OR DEATH.

AMMUNITION

Your RWS air rifle is designed to fire caliber .177 or .22 lead pellets only. We recommend the use of RWS Pellets because of their superb accuracy and dimensional uniformity. The correct caliber is clearly stamped on the barrel near the breech block or on the breech block.

⚠ CAUTION: Do not attempt to reuse fired pellets or pellets which are deformed. Projectiles such as steel shot (BBs) and darts may damage your air rifle and cause injury to yourself or bystanders due to ricocheting.

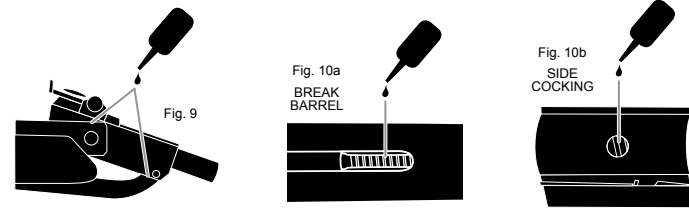
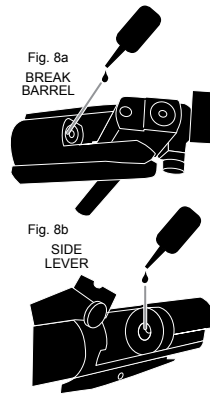
NEVER DRY FIRE YOUR AIR RIFLE

If the air rifle is fired without a lead pellet or cleaning pellet in the breech, it will cause the piston to bottom out in the cylinder which can permanently damage the air rifle.

CARE AND MAINTENANCE

⚠ CAUTION: Before any care, cleaning or maintenance, always be sure your air rifle is "ON SAFE" and unloaded. It is important to maintain your airgun properly.

WORKING PARTS: The working parts, like piston and mainspring require very little lubrication. Two (2) drops of RWS Air Chamber Lube every 1000 shots will suffice. It is easily applied through the compression chamber port with a 3 1/2" applicator needle (See Figures 8a & 8b). The wearing surfaces at the barrel hinge, the cocking arm and



the trigger mechanism should be lubricated with a heavy duty grease lubricant. (See Fig. 9) Mainsprings should be oiled every 1000 shots with six (6) drops of RWS Spring Cylinder Oil (See Figures 10a and 10b). Remember, a little is good – a lot is not better.

BARREL: In day to day use, very little dirt or residue will accumulate in the bore. This can be removed by using soft felt RWS Cleaning Pellets. Note: High quality RWS lead pellets not only increase accuracy, they do not leave a lead deposit. During periods of regular use the bore of the barrel should be cleaned periodically by means of a felt wad or cleaning rod with wool mop. Wire brushes should not be used. Insert rod from breech end, do not remove barrel seal.

SURFACE: The exposed metal parts (rear sight, receiver, screw heads, sight hood, etc.) are a gun blue finish and MUST be wiped clean using a slightly oiled cloth after handling to prevent rust. Use light acid free and resin free oil. RWS Spring Cylinder Oil is excellent for this.

⚠ CAUTION: Oils that contain acid or resin can damage the breech seal, compression seal and possibly the finish of the stock.

⚠ WARNING: NEVER CARRY YOUR AIR RIFLE WHILE COCKED AND/OR WHILE LOADED. IT IS BEST TO COCK THE AIR RIFLE ONLY BEFORE SHOOTING. UNDER NO CIRCUMSTANCES SHOULD YOUR AIR RIFLE BE CARRIED COCKED AND LOADED.

WARRANTY & REPAIR

RWS Airguns have a Limited Lifetime Warranty. If you do not have a copy of the warranty, you may download it online from www.UmarexUSA.com. Repairs should only be made by our Authorized Service Center.

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