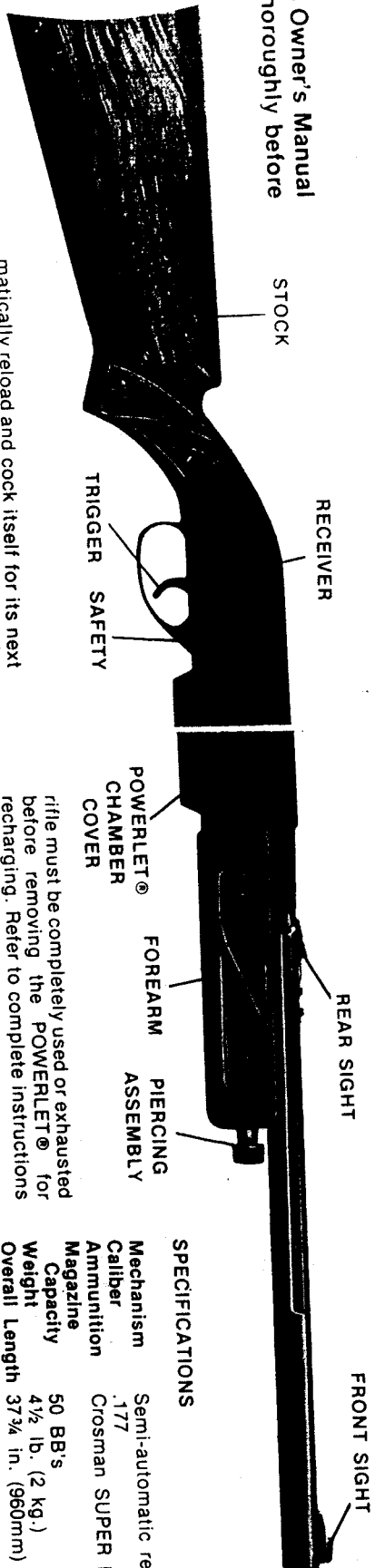


Please read this Owner's Manual carefully, and thoroughly before operating gun.



Crosman Arms welcomes you, the owner of a Powermatic 500 rifle, to the ever increasing number of sportsmen and rifle enthusiasts who have chosen Crosman guns.

The Powermatic 500 is a precision built rifle, engineered from the finest quality materials, and designed to combine high performance with inexpensive shooting. It is a .177 caliber, CO₂ powered, 50-shot semi-automatic BB repeater. Each time the trigger is pulled, the gun will auto-

matically reload and cock itself for its next firing; therefore, it should always be treated as a loaded rifle. The "Force Feed" magazine has a capacity of 50 SUPER BB'S.

Before your rifle was released from our factory, it underwent numerous rigid inspections and was test fired to guarantee its performance. Your rifle is under compression at the time of purchase, since a POWERLET® was fitted at the factory to provide power for factory testing. Residual CO₂ contained in the

rifle must be completely used or exhausted before removing the POWERLET® for recharging. Refer to complete instructions in this manual.

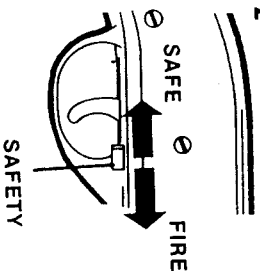
With normal care and maintenance, your Powermatic 500 will last a lifetime and provide endless pleasure. You are urged to use your rifle with respect for other people and to exercise caution and common sense at all times. You should not alter or adjust any of the factory settings to the Trigger or Safety latch or interfere with any other part of the rifle that may impair its safe operation.

SPECIFICATIONS

Mechanism	Semi-automatic repeater
Caliber	.177
Ammunition	Crosman SUPER BB'S®
Magazine Capacity	50 BB'S
Weight	4½ lb. (2 Kg.)
Overall Length	37¾ in. (960mm)
Sights	Fully adjustable for elevation and windage
Front Barrel	Fixed Blade
Power Source	Precision steel tubing
Stock	One Crosman 12.5 gr. POWERLET®
	Hand rubbed walnut checkered finish

SHOOTING THE 500

FIG. 2



To Load The Rifle

Put the rifle on SAFE to make the Trigger inoperable. The Powermatic 500 is provided with a positive, trigger latch safety, specifically designed for quick, easy use with a semi-automatic rifle. Pull the Safety Latch on the right side of the Trigger Guard to the rear: SAFE is marked on the Trigger Guard and is in view when the rifle is set to safe (Fig. 2).

FIG. 4

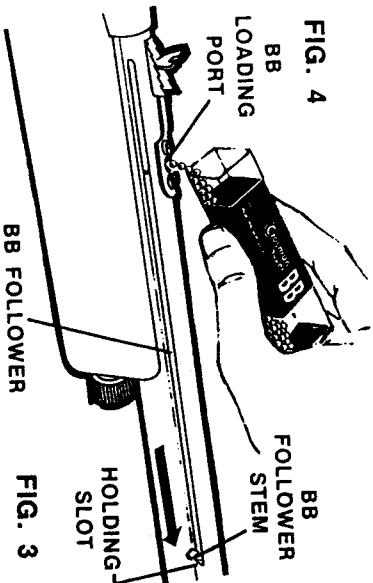


FIG. 3

Point the rifle in a safe direction. Push the BB Follower Stem forward and down to locate it in the Holding Slot (Fig. 3). With the muzzle pointing slightly upward, load the 50 Crosman SUPER BB's into the Magazine Loading Port (Fig. 4). The BB's can be seen on the right side of the Magazine and will be even with the Loading Port when the Magazine is full. Release the BB Follower from its holding slot.

To Shoot The Rifle

Your rifle is now ready for shooting and, because of the force feed magazine, the 50 BB's can be fired as fast as you can pull the trigger. Make sure of your target and backstop, then push the Safety Latch forward when you are ready to shoot. Take aim and squeeze the Trigger gently to fire. Allow the Trigger to return to its fully forward position after each shot to insure that the loader mechanism picks up a BB every time.

To Unload The Rifle

Make sure that the Safety Latch is set to SAFE. Push the BB Follower stem forward

and down, to locate it in the holding slot. Turn the rifle upside down, point the muzzle slightly downward, and the BB's will drop out of the Magazine Loading Hole. To make sure all the BB's have been unloaded, gently shake the rifle several times with the muzzle still pointing downward. Release the BB Follower from its holding slot.

To be certain that the rifle is completely unloaded, point it in a safe direction. When you are sure of your target and backstop, push the Safety Latch forward and take the rifle off SAFE, aim, and fire. Repeat three or four times to insure the rifle is completely unloaded.

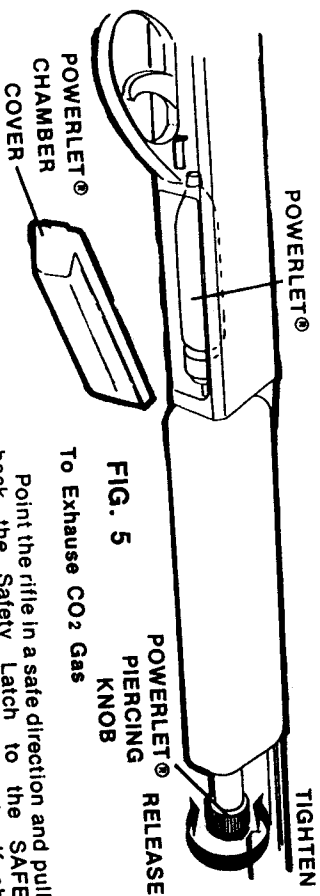


FIG. 5

To Exhaust CO₂ Gas

To Unload A BB From The Barrel

If a BB or obstruction becomes lodged in the Barrel, DO NOT try to remove it yourself, or you may cause permanent damage to the valve system. Return the rifle to your nearest Crosman Authorized Service Station.

To Charge Rifle With CO₂ Gas

Before replacing a CO₂ gas POWERLET® proceed as detailed in the following instructions.

Point the rifle in a safe direction and pull back the Safety Latch to the SAFE position. Turn the Powerlet Piercing Knob slowly counterclockwise until gas can be heard to be escaping (Fig. 5). Continue to turn the piercing knob slowly counterclockwise until all the CO₂ gas is exhausted.

CAUTION: Do not allow exhaust gas to come in contact with the flesh as exhaust CO₂ gas can cause frostbite.

Remove Powerlet Chamber Cover and the empty POWERLET® cartridge will drop out (Fig. 5).

To Replace The POWERLET®

Insert a new POWERLET® in the Powerlet Chamber with the neck toward the Trigger. Turn the Powerlet Piercing Knob in a clockwise direction until the POWERLET® is secure. This action also pierces the POWERLET®.

To determine that the POWERLET® is properly pierced, point the rifle in a safe direction, take the Safety Latch off SAFE,

and squeeze the Trigger to fire. If the rifle does not fire, it is probably because the POWERLET® is not pierced. Again turn the Powerlet Piercing Knob clockwise by hand until the POWERLET® is pierced and completely secure. DO NOT use pliers or other tools to turn the Powerlet Piercing Knob or you can damage the internal components of your rifle. Replace the Powerlet Chamber Cover.

SIGHTING-IN THE 500

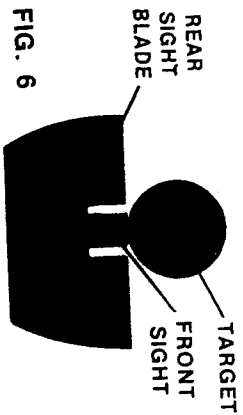
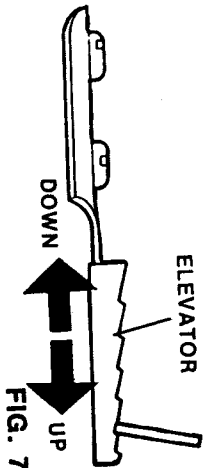


FIG. 6

The rifle is correctly aimed when the blade of the Front Sight is positioned exactly in the notch of the Rear Sight, and the top of the Front Sight is flush with the top of the Rear Sight (Fig. 6). For target shooting, many marksmen prefer to sight-in at the bottom of the bull's-eye (the 6 o'clock position). The sights will then appear black against the white of the target. The point of impact, however, will be the center of the bull's eye. The Rear Sight may be adjusted for elevation and, if necessary, windage.



Elevation

If the rifle is required to shoot higher, the Rear Sight must be raised; to shoot lower, the Rear Sight must be lowered (Fig. 7). To raise the Rear Sight, be sure that the Safety Latch is set to SAFE, lift the sight blade slightly with the thumb and index finger and, at the same time, move the Elevator backward towards the stock. To lower the Rear Sight, set the Safety Latch to SAFE and move the Elevator forward, toward the muzzle. Make sure that the sight blade seats properly in the Elevator notch.

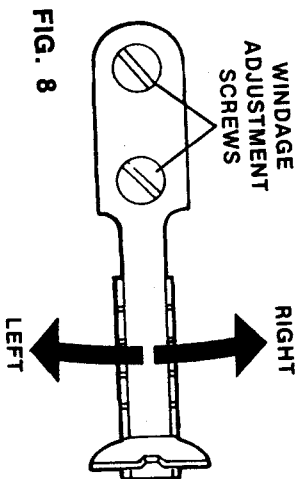


FIG. 8

Windage

If it is necessary to adjust the Rear Sight to compensate for windage, set the Safety Latch to SAFE and turn the front Windage Adjustment Screw counterclockwise one-half turn. Turn the Rear Windage Adjustment Screw counterclockwise one full turn. To make the rifle shoot more to the right, move the Rear Sight to the right. To adjust to the left, move the sight to the left. It is advisable to support the rifle on a

suitable rest while adjustments are being made. Secure the two screws. DO NOT over tighten the screws, or you may damage the threaded holes in the Barrel Housing (Fig. 8).

Point the rifle in a safe direction. When you are sure of your target and backstop take the Safety Latch off SAFE, aim, and test fire the rifle. Repeat this procedure if further adjustment is necessary.

CARE OF THE 500

Treat your Powermatic 500 with the same fine care that you would give your other valued possessions and it will give you a lifetime of service, pleasure and enjoyment. Be sure your rifle is set to **SAFE** and unloaded when not in use. Always keep your rifle clean. Insure that dirt and grit do not enter the Barrel, Magazine, valve action or other moving parts. Gently wipe metal parts with a cloth moistened with Crosman PELLGUNOIL® to prevent rust and preserve the finish. **DO NOT** expose charged rifle or **POWERLETS®** to excessive heat or cold.

Lubrication

Be sure to follow these simple

instructions to insure the long life of your rifle. To maintain trouble-free performance and eliminate most sealing failures, after every 250 shots or when moving parts appear dry, apply 3 or 4 drops of Crosman PELLGUNOIL®. Apply 2 drops of PELLGUNOIL® to the piercing pin and external seal in the piercing assembly every 250 shots (Fig. 9).

When the **POWERLET®** is replaced, be sure the O-ring on the piercing assembly is clean and free of foreign matter which could cause excessive wear or damage. **DO NOT** over oil or you may harm the gun action.

DO NOT use penetrating, detergent, or regular gun oils, or you may damage the valve washers, seals, and finish.

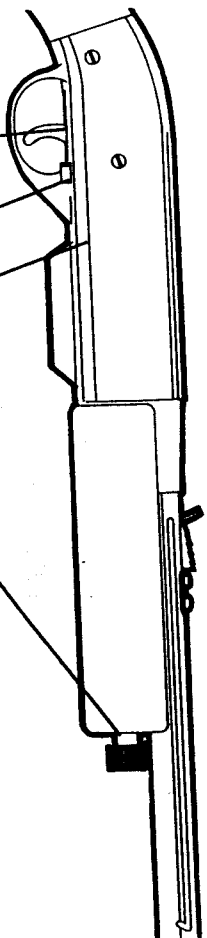


FIG. 9

pellgunoil®

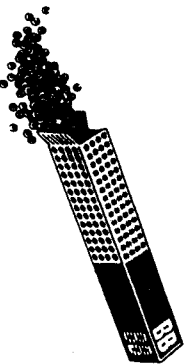
WARNING: The use of any other lubricating oil other than **Pellgunoil®** could result in damage to this gun.

It is not necessary to clean the Barrel bore, but the occasional application of a little **PELLGUNOIL®** is recommended to prevent the Barrel from rusting.

REPAIR SERVICE

If repairs to your gun become necessary, it is recommended that the work be entrusted only to a Crosman Authorized Service Station. Fully equipped and manned by a specially trained staff, the world-wide network of Service Stations has been established to provide fast, efficient, local service. In areas where no repair service is available, a Repair Manual may be obtained, for \$1.50, from Crosman Arms Company, 980 Turk Hill Road, Fairport, New York, 14450, U.S.A.

CROSMAN AMMUNITION IS GUARANTEED FOR BEST SHOOTING RESULTS, LONGER GUN LIFE.



CROSMAN SUPER BB'S

New functional Spill-Pruf boxes
Model 225 - contains 5 oz. (140g), over 400 BB's
Model 727 - contains 10 oz. (280g), over 800 BB's
Model 737 - contains 18.4 oz. (540g), over 1500 BB's.

The Perfect BB in the Perfect Box
Copper-coated, precision ground and perfectly round.

USE CROSMAN POWERLETS® ONLY



Available in Pocket-Size packs of five.
Exclusive for all Crosman Gas Guns
Model 231/5

Giant cylinders, 12.5 grams
Special features
Patented Cap Seal
Pierces clean, without chipping
Non-rust silver finish
No cylinder leakage

CAUTION

The following suggestions are intended to serve as a useful reminder.

- DON'T** forget to treat every gun as if it were loaded.
- DON'T** alter or adjust any of the factory settings to your rifle.
- DON'T** forget to check the Safety Latch before loading the rifle.
- DON'T** reuse ammunition that has already been fired.
- DON'T** shoot steel darts. They may impair the accuracy of your rifle or personal injuries may result.
- DON'T** point the rifle in an unsafe direction.
- DON'T** shoot at a target until you are sure of your backstop.
- DON'T** expose a charged rifle or POWERLET® to excessive heat or cold.
- DON'T** over lubricate your rifle.
- DON'T** store your rifle loaded.
- DON'T** use your rifle without due respect for yourself and other people.
- DON'T** conduct yourself in an unsportsman-like manner when using your rifle.