



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



## Model 766 PHASE I

Manufacturing Date 1975 to 1978

### SPECIFICATIONS

<b>Mechanism</b>	Bolt-action receiver
<b>Caliber</b>	.177
<b>Ammunition</b>	Crosman Super BBs Crosman Super Pells
<b>Reservoir</b>	Over 100 BBs
<b>Magazine</b>	15 BBs
<b>Weight</b>	5 lbs. (2.3 kg)
<b>Overall Length</b>	39 $\frac{3}{4}$ in. (1010mm)
<b>Sights</b>	Rear sight adjustable for elevation and windage. Front sight fixed Blade type.
<b>Barrel</b>	19 in. (483mm) 10 lands, right hand twist, one turn in 16 in. (406mm). Button rifled. Steel tube.
<b>Power</b>	Short stroke pneumatic pump action
<b>Range</b>	Choice of range, depending upon number



FIG. 1

Crosman Arms welcomes you, the owner of a Model 766 rifle, to the ever-increasing number of sportsmen and shooting enthusiasts who have chosen Crosman guns.

The 766 is a precision built rifle, engineered from the finest quality materials and designed to combine high performance with inexpensive shooting. It is a pneumatic pump action rifle and operates as a BB repeater and a single shot .177 caliber pellet gun. Before the rifle was released from our factory, it had undergone numerous rigid inspections and had been test fired to guarantee its performance.

The National Rifle Association has established the official distance for BB gun competition to be 15 and 25 feet. The 766 has surpassed all the requirements necessary to be classified as a competition BB rifle at 25 feet and better.

With normal care and maintenance the 766 will last a life time and provide endless pleasure.

**WARNING:** This is not a toy gun. If rifle is misused, serious personal injury and property damage can result. Always use extreme caution.

### Performance

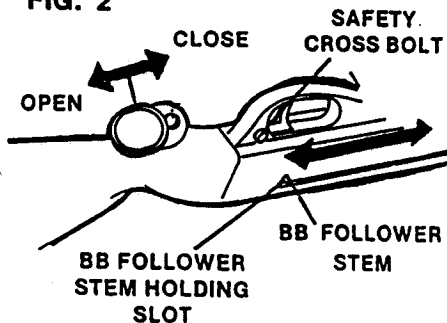
	Muzzle Velocity	Projectile	Weight (Grains)
3 pumps	450 f.p.s.	.177 BB	5.42
6 pumps	587 f.p.s.	.177 BB	5.42
10 pumps	710 f.p.s.	.177 BB	5.42
3 pumps	428 f.p.s.	.177 Pellet	7.5
6 pumps	567 f.p.s.	.177 Pellet	7.5
10 pumps	637 f.p.s.	.177 Pellet	7.5

### SHOOTING THE 766

#### To Load The Rifle With BBs

Make trigger inoperable by putting the rifle on SAFE. To do this, push the Safety Cross Bolt from left side of gun. SAFE position is clearly marked (Fig. 2).

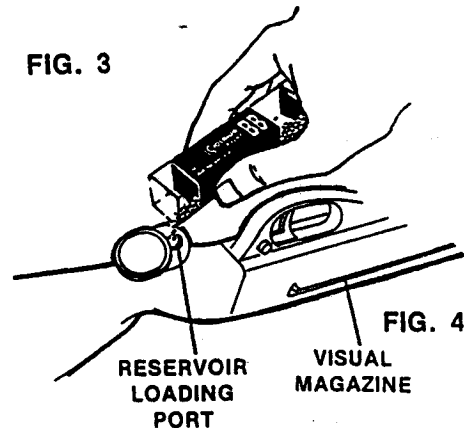
FIG. 2



To load BBs in Reservoir, turn gun upside down with Trigger Guard facing up. Slide Grip Cap in direc-

the BBs in Reservoir will lock the Grip Cap into place and prevent accidental unloading of rifle.

FIG. 3



When you are sure of your target and backstop, push in the Safety Bolt from right side of Receiver and you are ready to shoot. Take aim and squeeze Trigger gently to fire.

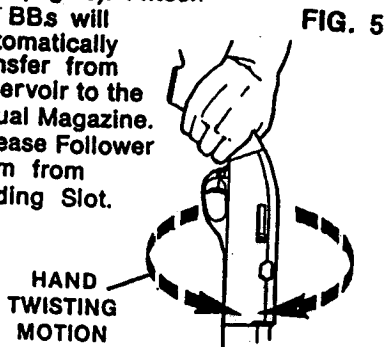
#### To Unload BBs From Rifle

Make sure rifle is on SAFE. Grip rifle at small of the stock, point Muzzle straight up, place BB Follower Stem in Holding Slot, and twist hand in semi-circular motion. BBs will roll from Visual Magazine to Reservoir. If some BBs remain in Visual Magazine, repeat semi-circular motion until all BBs have gone into Reservoir.

**NOTE:** Follower Stem should be moved forward to prevent BBs from leaving Reservoir.

To transfer BB's from Reservoir to Visual Magazine, pull BB Follower Stem rearward and down to locate stem in the Holding Slot (Fig. 4). Gripping rifle at small of the stock, point Muzzle of rifle straight down and twist hand in semi-circular motion (Fig. 5). Fifteen

(15) BBs will automatically transfer from Reservoir to the Visual Magazine. Release Follower Stem from Holding Slot.



**NOTE:** Keep finger off trigger during this procedure.

#### To Charge The Rifle

First, be sure that the rifle is on **SAFE**. Grip the rifle with one hand on forward part of Receiver and the other hand on the Forearm (Fig. 6). Open the Forearm until it stops. Using the open palm of the hand, return Forearm to its closed position to complete a pump stroke. Each pump stroke compresses a volume of air into the valve.

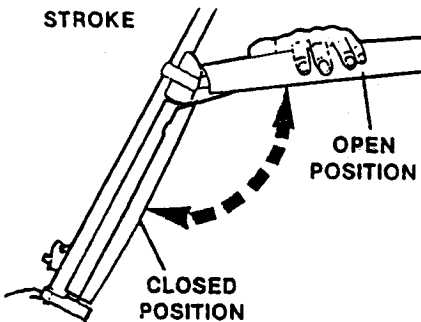


FIG. 6

**CAUTION:** More than 10 pumps is not recommended for this rifle. Excessive pumping will only accelerate wear on the pump and valve.

For field shooting, enough power can be attained in 6 pumps. Where greater power is required to shoot longer distances in the field, the rifle may be pumped 10 times. This will achieve an approximate velocity of 710 feet per second, which is 85% of the maximum attainable velocity.

For target shooting, 3 pumps is sufficient. For indoor shooting, 2 or 3 pumps is recommended, unless special safety precautions are taken for high power shooting.

#### To Shoot The Rifle With BBs

Point the rifle in a safe direction with the Muzzle pointing slightly downward. Pull back the Bolt Handle until it stops. In this operation the rifle is cocked and the Bolt will pick up a BB and position it in line with the Chamber. Push Bolt Handle back to its full forward position to chamber the BB (Fig. 7).

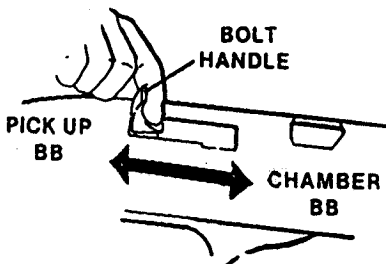
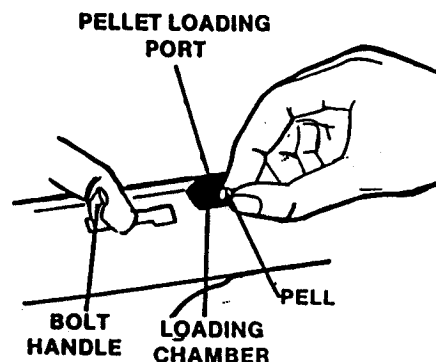


FIG. 7

#### To Load Rifle With Pellet

**NOTE:** Before shooting Crosman **SUPER PELLETS**, empty all BBs from the Visual Magazine.

FIG. 8



To load a **SUPER PELL**, pull Bolt Handle fully to rear. This exposes the Pellet Loading Port on the right side of Receiver (Fig. 8). Hold the rifle in left hand. Muzzle of rifle should be pointed in a safe direction. Tilt the rifle slightly to the left and pick up a pellet between forefinger and thumb of right hand. Place the pellet on bottom edge of Loading Port opening and allow the pellet to roll in the Loading Chamber. Check visually to see that pellet is in proper position, with the nose of pellet pointing toward the Muzzle. Push Bolt Handle forward in order to chamber the pellet.

**NOTE:** Do not attempt to chamber a pellet that is not in proper position. Do not attempt to load a deformed or crushed pellet.

#### To Unload A BB Or Pellet From Barrel

First take the gun off **SAFE**. Point the rifle in a safe direction and fire. Put rifle on **SAFE**. Unload all BB's from Visual Magazine as explained in section To Unload BB's From Rifle. Pull Bolt Handle fully to rear.



Insert 5/32" ramrod in Muzzle end of Barrel and carefully push BB or Pellet into Loading Chamber.

**NOTE:** Check visually through the Loading Port to be sure the BB or pellet is not being forced beyond the Loading Chamber as it would damage the BB loading mechanism.

### SIGHTING-IN THE 766

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. For target shooting, many marksmen prefer to sight-in at the bottom of the bull's eye (the 6 o'clock position). (Fig. 9). 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.

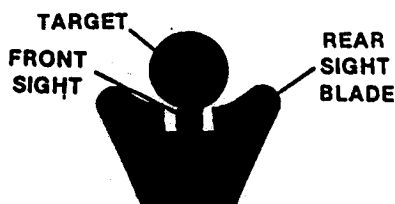


FIG. 9

#### Elevation

To raise the point of impact, raise the Rear Sight. First put the gun on SAFE. Grip the Rear Sight Blade with thumb and index finger, push down and gently move one click at a time forward (Fig. 10). Charge and load rifle, then take the gun off SAFE, making sure of your target and backstop, and fire the rifle. Check the target, and if the gun is still shooting low, repeat the above procedure.

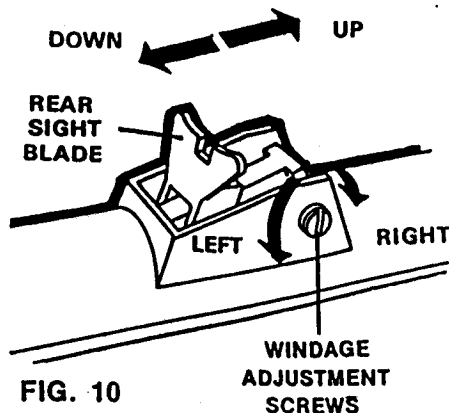


FIG. 10

#### Windage

To shift the impact point to the left, place the gun on SAFE. Use a dime or a small screwdriver to turn the Windage Screw counterclockwise (Fig. 10). This will move the Sight Blade to the left. To shift impact to the right, place the gun on SAFE, and use a small screwdriver or a dime to turn the Windage Screw clockwise.

#### CARE OF THE 766

Treat your 766 with the same fine care that you would give your other valued possessions and it will give you a life time of service, pleasure and enjoyment. Always keep your rifle clean. Insure dirt and grit do not enter the Barrel, Pump or Valve action. Be sure the rifle is on SAFE and unloaded, and that all air pressure is released when not in use. Gently wipe metal parts with a cloth moistened with Crosman PELLGUN-OIL® to prevent rust and to preserve the finish.

**IMPORTANT:** After extensive use it is recommended that all external screws be checked for tightness.

FIG. 11

# pellgunoil®

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

## 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 apply 2 or 3 drops of Crosman PELL-GUNOIL to the Pump cup and Piston assembly (Fig. 11). Do not over oil as damage may be caused to the internal valve components.

## TO TEST GUN SAFETY AND SEALS

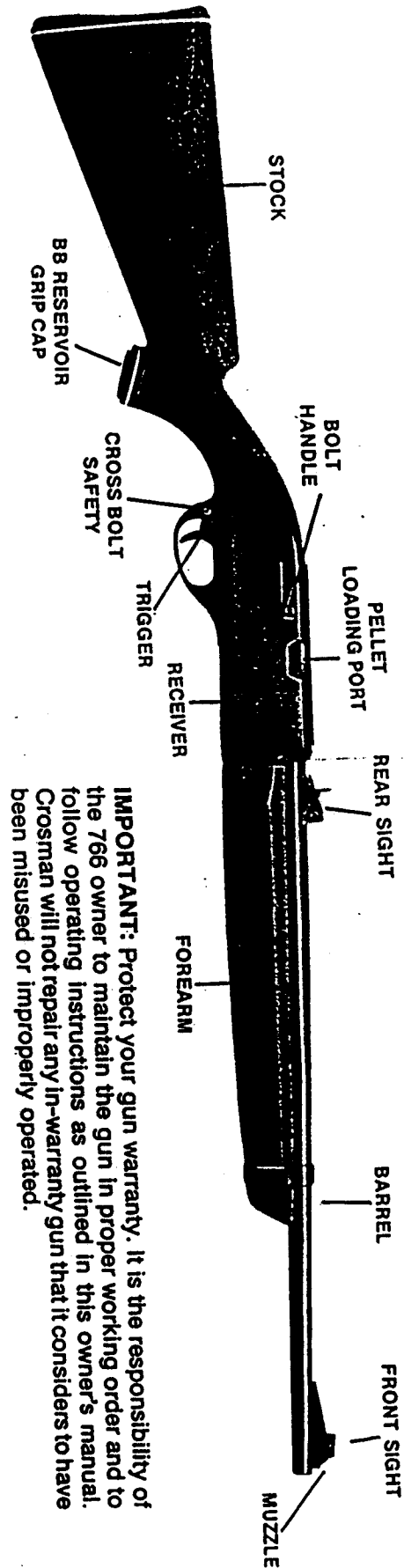
After every 8,000 to 10,000 shots (approximately equivalent to use of five Model 737 boxes of Crosman Super BB's), you should test your gun's Safety. Make sure gun is properly oiled. Pump the rifle ten times. Put your rifle on SAFE. Point gun in a safe direction and squeeze the trigger. If the rifle discharges while on SAFE, it should be sent to a Crosman Authorized Service Station for repair.

After every 8,000 to 10,000 shots (approximately equivalent to five Model 737 boxes of Crosman Super BB's), you should test your gun's seals. Make sure gun is properly oiled. Pump the rifle once. Point it in a safe direction and, when you are sure of target and backstop, take the rifle off SAFE and squeeze the trigger. If the gun does not discharge, the seals in your gun are worn and the gun should be sent to a Crosman Authorized Service Station for repair.

## CAUTION

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

- DON'T forget to treat every gun as if it is loaded.
- DON'T alter or adjust any of the factory settings to your rifle.
- DON'T forget to check Safety Bolt before loading and pumping.
- DON'T reuse ammunition that has already been fired.
- DON'T over pump your rifle.
- DON'T shoot your rifle with less than 2 pumps.
- DON'T pump the gun while your finger is on Trigger.
- DON'T point the rifle in an unsafe direction.
- DON'T shoot at the target until you are sure of your backstop.
- 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 load pellets in Reservoir.



**IMPORTANT:** Protect your gun warranty. It is the responsibility of the 766 owner to maintain the gun in proper working order and to follow operating instructions as outlined in this owner's manual. Crosman will not repair any in-warranty gun that it considers to have been misused or improperly operated.