

CROSMAN® / SKANAHER

MODEL 88 - OWNER'S MANUAL



CROSMAN AIRGUNS
Challenger®

CONGRATULATIONS

You have just purchased the first CO₂ competition air pistol produced by an American manufacturer.

The Crosman®/Skanaker Model 88 Pistol is the culmination of years of work, on both sides of the Atlantic. We have combined the hands-on experience of the world's top pistol shooter, Ragnar Skanaker, with the skills of Crosman's finest design engineers. The result is a single shot competition grade air pistol that is clearly unique.

Perhaps the greatest innovation is its patented fully adjustable pistol grip. The entire grip can be canted upwards or downwards to perfectly suit your line of sight. It truly becomes an extension of the arm. Adjustments for height and thickness enable you to precisely fit the 88 to your hand.

The mechanical trigger is also unusual in the way it is fitted. It's angled to adapt ideally to the natural position of the index finger while shooting and can be adjusted in any direction.

The pivoting barrel is hinged near the muzzle to tip upward for easy pellet loading directly into the barrel. (Patents Pending)

Please take the time to read this manual thoroughly. It will explain how to properly adjust and safely operate your Crosman®/Skanaker Model 88.

CAUTION: THIS AIRGUN IS DESIGNED FOR USE BY EXPERIENCED SHOOTERS AND IS INTENDED FOR MATCH COMPETITION OR TARGET RANGE USE. CARELESS USE MAY RESULT IN SERIOUS INJURY OR DEATH. DANGEROUS WITHIN 475 YARDS (435 METERS). THIS AIRGUN IS NOT EQUIPPED WITH A TRIGGER SAFETY. IT MAY HAVE A TRIGGER PULL BELOW TWO (2) POUNDS AND MAY FIRE WHEN DROPPED. BUYER AND USER HAVE THE DUTY TO OBEY ALL LAWS ABOUT THE USE AND OWNERSHIP OF THIS AIRGUN.

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IMPORTANT SAFETY RULES

- This pistol is for use by experienced adult shooters. Never allow an inexperienced person, especially youth, to use the airgun without proper supervision!
- Don't point at anything you don't intend to shoot. Always aim in a SAFE DIRECTION.
- Always handle your pistol as though it were loaded.
- Don't put the pistol away loaded. Make sure the pistol is unloaded and the CO₂ tube removed.
- Do not attempt to disassemble or tamper with your pistol. Return the airgun to Crosman Airguns for repair.
- Be sure you have a safe backstop and target. Stop using a backstop if it becomes worn and be sure to place the backstop in a location that will be safe should the backstop fail.
- Don't shoot at hard surfaces or at the surface of water. The pellet may ricochet.
- Keep hands away from escaping CO₂ gas. It can cause frostbite if allowed to come in contact with skin. To prevent injury, wear eye and hand protection.
- When making any adjustments to the pistol, make sure it is unloaded and the CO₂ tube is removed.

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GENERAL DIRECTIONS FOR USE

Do not store your pistol with a charged CO₂ tube on it. In addition to this being an unsafe practice, it also will cause unnecessary wear on the seals. The refill tube can be removed from the gun by simply turning it counterclockwise.

When making adjustments to the pistol, always make them in small increments. The adjustment mechanisms are very sensitive. Never overtighten the screws. You may strip them which would require that the pistol be returned to Crosman for service.

This pistol does not come equipped with a switch which allows you to dry fire it without expelling gas. If it becomes necessary for you to dry fire the pistol during competition, you may do so by unscrewing the gas tube until you hear the gas escape from the valve. You can then dry fire as many shots as you wish. When preparing to resume firing, merely screw the tube back in. This procedure will only cost you the loss of gas for one shot.

In order to manufacture the Model 88 to be as light and durable as possible, it was necessary to make the pistol frame out of magnesium. Magnesium being a very light metal cannot withstand the pressure exerted upon it by a steel vice. Therefore, **DO NOT VICE THIS PISTOL.** It has been tested for accuracy at the factory prior to shipment.

CAUTION: BEFORE MAKING ANY TYPE OF ADJUSTMENTS TO YOUR PISTOL, MAKE SURE IT IS NOT LOADED AND REMOVE THE CO₂ CYLINDER SO THERE WILL BE NO DANGER OF ACCIDENTAL DISCHARGE.

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FILLING CO₂ TUBE

NOTE: Must use CO₂ source that has a syphon tube to ensure filling with liquid. Tanks without syphon tubes must be tilted downward at an angle of at least 30 degrees.

CAUTION: KEEP HANDS AWAY FROM ESCAPING CO₂ GAS. IT CAN CAUSE FROSTBITE IF ALLOWED TO COME IN CONTACT WITH SKIN. TO PREVENT INJURY, WEAR EYE AND HAND PROTECTION.

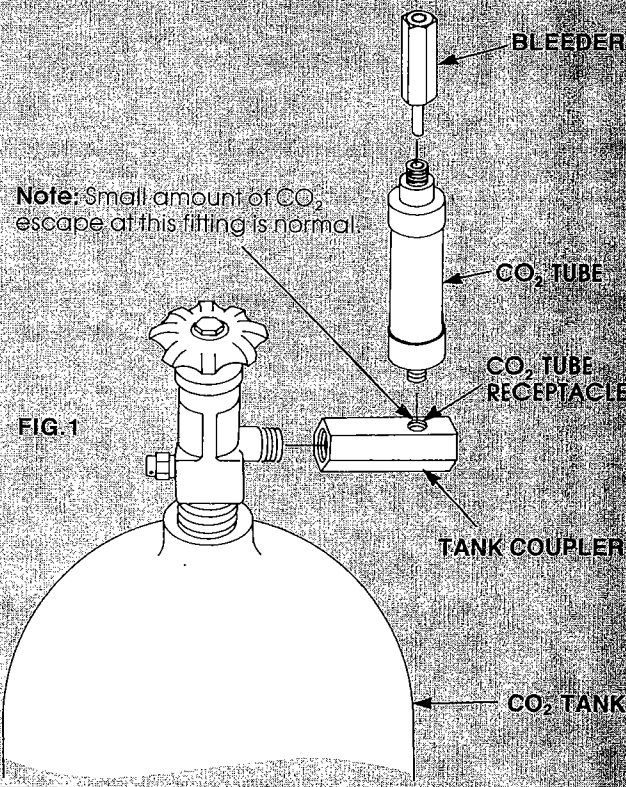
1. It is advisable to wrap the threads on the tank and the bottom of the refill tube with Teflon thread tape which is available at hardware stores. (Fig. 1)
2. Thread tank coupler on CO₂ source leaving the CO₂ tube receptacle facing upward. **NOTE: TANK COUPLER SHOULD BE WRENCH TIGHT.**
3. Insert aluminum threads of CO₂ tube into receptacle on tank coupler, turning clockwise until finger tight. **NOTE: CO₂ TUBE SHOULD BE AS NEAR TO VERTICAL AS POSSIBLE.** A certain amount of CO₂ escape between tank coupler and CO₂ tube is normal.
4. Turn valve on CO₂ source to open position.
5. Insert bleeder into black threads on CO₂ tube. Turn clockwise until gas escapes slowly through top of bleeder valve.
6. Watch for liquid CO₂ to escape from top of bleeder (white gas).
7. Turning counterclockwise, remove bleeder.
8. Turn valve on CO₂ source to off position.
9. Slowly remove CO₂ tube from tank coupler giving time for gas in coupler to escape slowly.
10. Place CO₂ tube on pistol. The black threads go into the gun. Turn clockwise until tube is snug.

CAUTION: DO NOT EXPOSE FULL CO₂ TUBES TO EXTREME HEAT. STORE IN COOL AREA, OUT OF DIRECT SUNLIGHT.

IMPORTANT: If a problem occurs with CO₂ tube, do not disassemble, return to factory for service.

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NOTE TO COMPETITORS: Filling a CO₂ tube improperly or using a tube that has developed a leak may cause a problem of shortage of CO₂ during a match. You must **always** WEIGH YOUR CO₂ TUBE JUST PRIOR TO STARTING THE MATCH. Your standard Model 88 Pistol tube weighs 175 grams. It should hold approximately 40 grams of gas bringing the total weight of the tube and gas to approximately 215 grams maximum weight. This may vary slightly from tube to tube.



INSERTING CO₂ TUBE

When inserting refill tube in pistol, the black threads go into the gun. Turn the tube clockwise until the tube is snug. When inserting tube, the pistol should be pointing slightly downward.

COCKING, LOADING AND UNLOADING

Pull cocking lever back to the limit of its travel to cock the pistol while holding the barrel down with one finger on the cocking hand. This will prevent the barrel from snapping up. When the locking arm clears the barrel, slowly raise your finger allowing the barrel to rise smoothly. A .177 pellet can now be inserted into the barrel. Push barrel down and close the cocking lever over it. The pistol is now ready to fire. (Fig. 2)

The pressure of the cocking lever on the barrel can be adjusted by turning the adjustment screw (located on the frame directly behind the barrel) with a 1/16 inch allen wrench. Turn the adjustment screw clockwise to increase the pressure on the barrel. (Fig. 2)

To unload your pistol, point it in a safe direction and fire it. Then check to see if the barrel is clear by cocking the pistol and looking down the breech end of the barrel. If it is not clear, insert a cleaning rod into the breech and push the pellet out of the muzzle.

