



Model 2300S .177 Caliber (4.5mm) Single Shot Pellet CO₂ Air pistol **OWNER'S MANUAL**

READ ALL INSTRUCTIONS AND WARNINGS IN THIS
MANUAL BEFORE USING THIS AIR PISTOL

Distributed by
Crosman Corporation
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1-800-7AIRGUN (724-7486)

2300SA515

WARNING: Not a toy. Adult supervision required. This air pistol is Designed for use by experienced shooters and is intended For match competition or target range use. Misuse or careless use may Result in serious injury or death. Dangerous up to 450 yards (412 meters.)

WARNING: Do not brandish or display this airgun in public - it may confuse people and may be a crime. Police and others may think it is a firearm. Do not change the coloration and markings to make it look more like a firearm. That is dangerous and may be a crime.

WARNING: Lead pellets. Do not inhale dust or put pellets in mouth. Wash hands after handling. This product contains lead, a chemical known to the State of California to cause cancer and birth defects (or other reproductive harm.)

This air pistol has been classified as a match precision air pistol. Because it is considered a special purpose air pistol, it is exempt from specific types of testing. Specifically this air pistol was NOT subjected to the trigger pull or drop test requirements.

CAUTION: The adjustable trigger can be adjusted below 3 lbs, and when it is adjusted below 3 lbs, the air pistol could fire when dropped.

YOU AND OTHERS WITH YOU SHOULD ALWAYS WEAR SHOOTING GLASSES TO PROTECT YOUR EYES. READ ALL INSTRUCTIONS BEFORE USING.

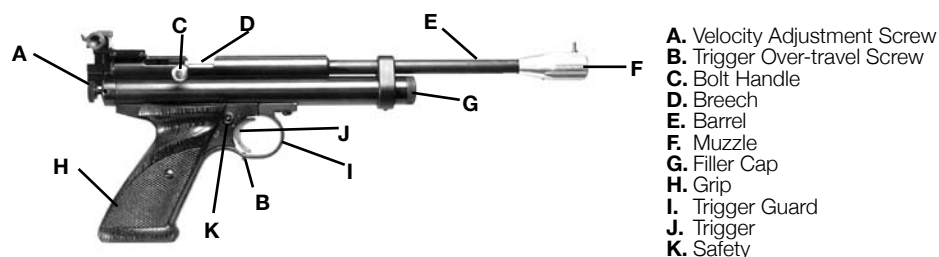
BUYER AND USER HAVE THE DUTY TO OBEY ALL LAWS ABOUT THE USE AND OWNERSHIP OF THIS AIR PISTOL.

THIS AIR PISTOL IS INTENDED FOR USE BY THOSE 16 YEARS OF AGE OR OLDER.

If you have any questions regarding your new air pistol, please contact Crosman at 1-800-724-7486, 585-657-6161 or www.crosman.com and ask for Customer Service.

1. Learning the Parts of Your New Air pistol

Learning the names of the parts of your new air pistol will help you to understand your owner's manual. Use this manual to increase your enjoyment of this air pistol.



2. Operating the Safety

A. To Put the Air Pistol "ON SAFE:"

- Locate the safety directly in back of the trigger.
- Push the safety from the left side all the way in (Fig. 2). The safety is not "ON SAFE" unless it is pushed all the way in and the RED ring around the left side of the safety is NOT showing.

Like all mechanical devices, an air pistol safety can fail. Even when the safety is "ON SAFE", you should continue to handle the air pistol safely. NEVER point the air pistol at any person. NEVER point the air pistol at anything you do not intend to shoot

B. To Take the Air Pistol "OFF SAFE:"

- Push the safety from the right side all the way in.
- The air pistol is ready to fire when "OFF SAFE". When you can see the RED line on the left side of the safety, the air pistol is "OFF SAFE" and can be fired.



3. Adjusting the Trigger Over-travel

- To ensure crisp, consistent action of the trigger, a set screw has been incorporated into the trigger guard to allow each shooter to set the trigger over-travel to their preference. Removing the screw will give the most over travel, tightening the screw all the way in will stop the trigger. Shooters will find their preference somewhere in between.

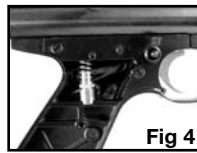
- Make sure the air pistol is unloaded (section 7B), de-gassed (section 6B) and "ON SAFE" (section 2A).
- Turn the set screw all the way in with a hex wrench (fig. 3).
- Cock the bolt by pushing the bolt handle up and pulling it all the way back until you hear two clicks. Close the bolt and push the bolt handle down to lock.
- Point the air pistol in a SAFE DIRECTION, take "OFF SAFE" (section 2B) and pull the trigger. If the pistol does not fire, turn the set screw counterclockwise in 1/2 turn increments until it fires.
- Turn an additional 1/2 turn.
- Put the air pistol "ON SAFE".



4. Adjusting the Trigger Pull

Your air pistol is designed with an adjustment to change the trigger pull from 1 to 4 lbs. **CAUTION: The adjustable trigger can be adjusted below 3 lbs, and when it is adjusted below 3 lbs, the air pistol could fire when dropped.**

- To test the trigger pull, make sure the air pistol is unloaded (section 7B) and de-gassed (section 6B).
- Cock the bolt by pushing the bolt handle up and pulling it all the way back until you hear two clicks. Close the bolt and push the bolt handle down to lock.
- Pull the trigger.
- If the trigger pull is not at desired weight, remove one of the grips - left handed shooters remove the right grip, right handed shooters remove the left grip.
- Turn the dial (fig. 4) moving it up or down depending on the results wanted. To increase the trigger pull turn the dial so that it moves up. To decrease the trigger pull turn the dial so that it moves down.
- Test the pull again and repeat until desired result is found.
- Replace the grip.



5. Adjusting the Velocity

Your air pistol is designed with an adjustment for the velocity. You can set your air pistol for higher velocity (and fewer shots) or for lower velocity (and more shots).

- To adjust the velocity turn the velocity adjustment knob (fig 5). Turning the dial clockwise will give you a higher velocity. Turning the dial counter-clockwise will give you a lower velocity.
- If you want to lock the velocity setting tighten the set screw to hold the configuration you have set. However, remember even when the air pistol is set to shoot at the high velocity, the velocity will begin to drop as the CO₂ is used up.



6. Installing and Removing CO₂ Cartridge

WARNING: Keep hands away from escaping CO₂ gas. It can cause frostbite if allowed to come in contact with skin. Always make sure the CO₂ cartridge is empty before attempting to remove it from the air pistol by slowly turning the filler cap counterclockwise all the way until you no longer hear the escape of CO₂ gas.

A. Installing a New CO₂ Cartridge

- Make sure the air pistol is "ON SAFE" (section 2A) and UNLOADED.
- Slowly turn the filler cap counter-clockwise all the way until you no longer hear the escape of CO₂ gas.
- Pull the filler assembly from the action tube and remove the empty CO₂ cartridge by pointing the muzzle of the air pistol down.
- Insert the new CO₂ cartridge into the air pistol with the small neck of the CO₂ cartridge into the action tube first (fig. 6).
- Replace the filler cap assembly in the action tube. Screw the filler cap completely into place until finger tight only.
- Cock the bolt by pushing the bolt handle up and pulling it all the way back until you hear two clicks. Close the bolt and push the bolt handle down to lock.
- Point the air pistol in a SAFE DIRECTION, take "OFF SAFE" (See Section 2B) and pull the trigger.
- Cock the bolt again, point the air pistol in a SAFE DIRECTION, take "OFF SAFE" (See Section 2B) and pull the trigger.
- If the air pistol does not make a popping noise after pulling the trigger, the CO₂ is not being discharged. In that event, tighten the filler cap slightly and repeat cocking the bolt and firing the air pistol until there is a popping noise, which will mean the air pistol is releasing CO₂ with each pull of the trigger.
- Return safety to the "ON SAFE" position (See Section 2A).



NOTE: We recommend the use of Crosman® brand Powerlet CO₂ cartridges. They are made to fit the Model 2300 air pistol. Other brands of CO₂ cartridges may not fit properly and if you force them into place it may result in injury to you or damage to your air pistol. Never try to force any CO₂ cartridge into or out of place. Do not store your air pistol with a CO₂ cartridge in it.

WARNING: CO₂ cartridges may explode at temperatures above 120°F. Do not mutilate or incinerate them. Do not expose them to heat or store CO₂ cartridges at temperatures above 120°F.

B. Removing the CO₂ Cartridge.

- Put the air pistol "ON SAFE" (See Section 2A).
- Slowly turn the filler cap counter-clockwise all the way until you no longer hear the escape of CO₂ gas.

- Pull the filler assembly from the action tube and remove the empty CO₂ cartridge by pointing the muzzle of the air pistol down.

7. Loading and Unloading Pellets

WARNING: Use .177 caliber pellets only in your Model 2300S. Never reuse ammunition. Use of any other ammunition can cause injury to you or damage to the air pistol.

A. Loading a Pellet

- Put the air pistol "ON SAFE" (See Section 2A).
- Point the air pistol in a SAFE DIRECTION.
- You should follow the instructions under section 6A- Installing a CO₂ cartridge prior to loading a pellet into your air pistol.
- Open the bolt by pushing the bolt handle up and pulling it all the way back (fig. 7).
- With the bolt in the rearward position, place one pellet, nose first, into the loading port (breech). This is a single shot pellet air pistol. Load no more than one pellet at a time.
- Lightly push the pellet into the barrel by closing the bolt and pushing the bolt handle down to lock. DO NOT jam the bolt forward. This will damage your air pistol.
- Be sure the bolt is closed before firing. If it is not closed and fully locked, the pellet may not be discharged.



B. Unloading Pellets By Firing Your Air Pistol

- The most common way to unload a pellet is to fire your air pistol in a SAFE DIRECTION following Section 8 on aiming and firing safely.

NOTE: The air pistol must be charged with CO₂ to fire but remember, do not store your air pistol with a CO₂ cartridge in it (See Section 6B).

C. Unloading Without Firing

- You can unload your air pistol without firing.
- Put the air pistol "ON SAFE" (See Section 2A).
- Remove the CO₂ cartridge (See Section 6B).
- Open the bolt (See Section 7A - Fig. 7).
- Insert a ramrod of the proper size into the barrel (start at the muzzle). The barrel could be damaged if the proper sized cleaning rod is not used.
- Push the pellet into the pellet loading port (forward of the bolt) (Fig. 8).
- Do not reuse that pellet.



8. Aiming and Firing Safely

- Always point your air pistol in a SAFE DIRECTION.
- Follow the instructions for installing a CO₂ cartridge (Section 6A) and loading pellets (Section 7A).
- You and others with you should always wear shooting glasses to protect your eyes.
- Do not shoot at hard surfaces or at the surface of water. The pellet may bounce off or ricochet and hit someone or something you had not intended to hit.
- Always choose your target carefully. For example, you may wish to shoot at paper bulls-eye targets that are attached to a safe backstop such as the Crosman 850 Target Trap. A heavy blanket should be hung behind the target trap to prevent ricochet should you miss the backstop.
- Your air pistol is designed for target shooting and is suited for both indoor and outdoor use. Always remember to place your target carefully. THINK about what you will hit if you miss the target.
- When you are sure of your target and backstop, and the area around the target is clear, cock the air pistol, load, take the airgun "OFF SAFE" (See section 2B) and pull the trigger to fire.

9. Removing a Jammed Pellet

- Put the air pistol "ON SAFE" (See Section 2A).
- Empty and remove the CO₂ cartridge (See Section 6B).
- Open the bolt (See Section 7A - Fig. 7).
- Insert a ramrod of the proper size into the barrel (start at the muzzle). The barrel could be damaged if the proper sized cleaning rod is not used.
- Push the jammed pellet into the pellet loading port (forward of the bolt) (fig. 8).
- Do not try to reuse that pellet.
- If you are not able to unjam your air pistol by following this procedure, take no further action. An Authorized Service Station will unjam your air pistol (no cost during the warranty period).

10. Maintaining Your Air pistol

- Before you attempt to oil your air pistol, make sure the air pistol is "ON SAFE", unloaded and the CO₂ cylinder has been removed (See Sections 2A, 7B and 6B).
- Put 1 drop of Crosman 0241 Pelgunoil® on the tip of every CO₂ cylinder to help maintain your air pistol. DO NOT use petroleum distillate based oil or solvent and DO NOT over-oil as this can cause damage to your air pistol.
- Your air pistol will maintain proper function longer if you place one drop of oil on the bolt o-ring every 250 shots.
- DO NOT MODIFY OR ALTER YOUR AIR PISTOL. Attempts to modify the air pistol in any way inconsistent with this manual may make your air pistol unsafe to use, cause serious injury or death, and will void the warranty.
- If you drop your air pistol, visually check to see that it works properly before you use it again. If anything seems changed, like a shorter or weaker trigger pull, this may mean worn out or broken parts. Call Crosman customer service for assistance before using your air pistol again.

11. Reviewing Safety

- Never point the air pistol at any person or at anything you do not intend to shoot.
- Always treat the air pistol as though it is loaded and with the same respect you would a firearm.
- Always aim in a SAFE DIRECTION. Always keep the muzzle of the air pistol pointed in a SAFE DIRECTION.
- Always keep the air pistol ON SAFE until you are ready to shoot.
- Always check to see if the air pistol is "ON SAFE" and unloaded when getting it from another person or from storage.
- Always keep your finger off the trigger and out of the trigger guard until ready to shoot.
- You and others with you should always wear shooting glasses to protect your eyes.
- If your reading or prescription glasses are not safety glasses, make sure you wear shooting glasses over your regular glasses.
- Use .177 caliber (4.5 mm) pellets only. Never reuse ammunition.
- Do not shoot at hard surfaces or at the surface of water. The pellet may bounce off or ricochet and hit someone or something you had not intended to hit.
- Place the backstop in a location that will be safe should the backstop fail.
- Your backstop should be checked for wear before and after each use. All backstops are subject to wear and will eventually fail. Replace your backstop if the surface is worn or damaged or if a ricochet occurs.
- Do not attempt to disassemble or tamper with your air pistol. Use an Authorized Service Station. Using unauthorized repair centers or modifying the function of your air pistol in any way may be unsafe and will void your warranty.
- Before you store your air pistol, make sure that it is unloaded, not charged, and that the air pistol is "ON SAFE".

SPECIFICATIONS- Designed specify for the IHMSA air pistol discipline, meets all requirements and has been approved for "Production Class."

Power Source	CO ₂ , 12 Gram Powerlets	Overall Length	16 inches
Caliber/Ammunition	.177 cal. (4.5 mm) Lead Airgun Pellet	Material	Barrel, Rifled steel, Grips Synthetic
Capacity	Single Shot	Safety	Cross Bolt
Weight	42.5 oz	Velocity	Up to 520 fps (158 m/s)

Special Features:

- Barrel** - Lothar-Walther, Choked match barrel, 10.1 inches in length, 12 lands and groves
- Trigger Pull** - Single-stage, Adjustable 1- 4 pounds, over-travel adjustment screw.
- Velocity** - Adjustable hammer spring - can be adjusted to between 440 to 520 feet per second.
- Number of shot per Powerlet** - Over 60 shots at a consistent velocity.
- Stainless steel bolt** - Features a longer handle for ease of operation and an extended bolt probe for increased accuracy.
- Sights - Front:** Taller front post for more adjustability,
- Rear:** Williams Notch sight with target knobs for easy adjustment, as well as internal micrometer adjustments with positive internal locks.

PERFORMANCE

Many factors affect velocity, including brand of projectile, type of projectile, amount of CO₂ in cartridge, lubrication, barrel condition and temperature.

DO NOT RETURN THIS PRODUCT TO THE STORE.

Our customer service representatives will help. You can get answers to frequently asked questions at www.crosman.com or you can contact us directly at 1-800-7AIRGUN (1-800-724-7486)

REPAIR SERVICE

If your air pistol needs repair, we recommend you take or send it to your nearest Crosman Authorized Service Station. DO NOT ATTEMPT TO DISASSEMBLE IT! Your air pistol requires special tools and fixtures to repair it. Any disassembly or modification not performed by an Authorized Service Station will void the warranty.

A SPECIAL CUSTOMER SERVICE

Crosman Authorized Service Stations will unjam your air pistol at no cost during the warranty period.

LIMITED ONE YEAR WARRANTY

This product is warranted to the retail consumer for one year from date of retail purchase against defects in material and workmanship and is transferable. To register the serial number of your air pistol, please return the air pistol registration form. The warranty is not conditioned on the return of the card. You should retain the original sales receipt as record of date of purchase.

WHAT IS COVERED

Replacement parts and labor. Transportation charges to consumer for repaired product.

WHAT IS NOT COVERED

Transportation charges to Authorized Service Station for product. Damages caused by abuse, modification or failure to perform normal maintenance - see Owner's Manual. Any other expense. CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, OR INCIDENTAL EXPENSES INCLUDING DAMAGE TO PROPERTY. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

HOW TO OBTAIN WARRANTY PERFORMANCE

U.S. Customers - Locate nearest service station (see www.Crosman.com or call Crosman customer service at 800-724-7486 for list of stations). The service station will give you details of how to proceed with sending the item in for repair. You must contact the station prior to shipping your product.

International Customers - Please return product to your nearest distributor. If you do not know your distributor, please call 585-657-6161 and ask for our International Department for assistance.

IMPLIED WARRANTIES

ANY IMPLIED WARRANTIES INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO ONE YEAR FROM DATE OF RETAIL PURCHASE. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

To the extent any provision of this warranty is prohibited by federal, state or municipal law, which cannot be preempted, it shall not be applicable. This warranty gives you specific legal rights and you may also have other rights, which vary, from state to state.
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