

## 16. Repair Service

If your air pistol needs repair, we recommend that you take or send it to Air Venturi. International customers should contact their distributors. DO NOT ATTEMPT TO DISASSEMBLE IT! Your air pistol requires special tools and fixtures to repair it. If you take it apart, you probably will not be able to reassemble it correctly. Air Venturi assumes no warranty responsibility under such circumstances.



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# ISSC

# M22

## User instruction manual



MODEL:	ISSC M22
BRAND:	ISSC
CALIBER:	.177 (4.5 mm) Steel BBs
DESCRIPTION:	CO <sub>2</sub> Air Pistol
VELOCITY:	400 fps

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

1. Rules of Safe Shooting
2. Customer Service - Troubleshooting
3. Learning the Parts of the Air Pistol
4. Operating the Safety
5. Remove the Magazine
6. Installing and Removing CO<sub>2</sub>
7. Loading and Unloading the Air Pistol
8. Removing a Jammed BB
9. Safe Aim
10. Adjusting the Sight
11. Use and Handling of CO<sub>2</sub>
12. Storage of the Air Pistol
13. Care and Maintenance
14. Technical Specifications
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16. Repair Service
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## 15. Warranty

### 90-Day Limited Warranty:

ISSC air pistols are manufactured to the highest possible standards, using the finest materials. In the unlikely event of a defect in materials or workmanship in the first twelve 90 days after retail purchase, we'll repair or replace the air pistol under warranty. Warranty is transferable.

### What is covered:

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

### What is NOT covered:

- Transportation charges to Air Venturi for defective products.
- Damages caused by abuse, failure to perform normal maintenance or over-pressurization
- Any other expense.
- Parts subject to normal wear and tear.
- Consequential damages, incidental damages or incidental expenses including damage to property.

**NOTE:** 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.

### Warranty claims:

Warranty claims for U.S. and Canadian customers.

Call Air Venturi at 216-220-1180 before returning any product.

### 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.

**NOTE:** Some states do not allow limitations on how long an implied warranty lasts, so the above limitation 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 and country to country. Illustrations and photographs are for information purposes only and may not show the exact model you purchased.

### The warranty shall be invalid if the air pistol:

- Has been disassembled and incorrectly reassembled
- Is found to have lubrication not recommended by Air Venturi
- Has been fitted with non-Air Venturi parts
- Has been misused or abused

### The warranty shall NOT cover:

- Any damage or faults caused by owner misuse or action
- Shipment damage of the pistol to or from Air Venturi

This warranty is in addition to your statutory rights. Retain your sales receipt as proof of purchase, as no warranty service will be provided without it.

**! WARNING:** NOT A TOY. ADULT SUPERVISION REQUIRED. MISUSE OR CARELESS USE MAY CAUSE SERIOUS INJURY OR DEATH. MAY BE DANGEROUS UP TO 235 YARDS (300 METERS).

**THIS IS A HIGH POWERED AIRGUN INTENDED FOR USE BY THOSE 18 YEARS OF AGE OR OLDER.**

READ ALL INSTRUCTIONS BEFORE USING. BUYER AND USER HAVE THE DUTY TO OBEY ALL LAWS ABOUT THE USE AND OWNERSHIP OF THIS AIRGUN.

**! 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 OR MARKINGS TO MAKE IT LOOK MORE LIKE A FIREARM. THAT IS DANGEROUS AND MAY BE A CRIME.

**CAUTION: YOU AND OTHERS WITH YOU SHOULD ALWAYS WEAR SHOOTING GLASSES TO PROTECT YOUR EYES.**

**CAUTION: USE ONLY .177 (4.5 MM) CALIBER STEEL BBS IN YOUR AIR PISTOL. USE OF ANY OTHER AMMUNITION CAN CAUSE INJURY TO YOU OR DAMAGE TO THE AIR PISTOL.**

Congratulations on your purchase of the ISSC M22 .177 caliber (4.5 mm) CO<sub>2</sub> air pistol. Please read this instruction manual completely. Remember, this air pistol is not a toy. Treat it with the same respect you would a firearm. Always carefully follow the safety instructions found in this manual and keep this manual in a safe place for future use.

If you have any questions regarding your new air pistol, please contact the Air Venturi service line at 216-220-1180.

## 13. Care and Maintenance

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

- Before you attempt to perform maintenance on your airgun, make sure it is ON "SAFE" and unloaded, and the CO<sub>2</sub> cartridge has been removed (See Steps 4.1, 7.2 and 6.2).
- Your air pistol will maintain proper function for a long time if you oil the slide rails with 1 drop of seal conditioning airgun oil after you have fired approximately 250 shots.
- DO NOT use petroleum distillate based oil or solvent and DO NOT over-oil because this can cause damage to your air pistol.
- Apply 1 to 2 drops of seal conditioning airgun oil onto all other moving parts such as the BB follower and gas cylinder screw. Also add to the tip of every CO<sub>2</sub> cartridge before installation.
- Clean the surface of your CO<sub>2</sub> air pistol with a soft cloth and seal conditioning airgun oil.
- Tampering with the air pistol, or attempts to change the air pistol in any way may make it unsafe to use and will void the warranty.
- If you drop your air pistol, 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 Air Venturi at 216-220-1180 for assistance before using your pistol again.

## 14. Technical Specifications

<b>ISSC M22</b>	
Mechanism:	CO <sub>2</sub> Air Pistol
Caliber/Ammunition:	.177 Caliber (4.5 mm) Steel BB
Weight:	1.3 pounds
Overall Length:	6.75 inches
Barrel Length:	3.5 inches
Barrel:	Smooth Bore
Sights/Rear:	Windage Adjustable
Sights/Front:	Fixed
Power Source:	12 gram CO <sub>2</sub> cartridge
Safety:	Manual Trigger Safety
Velocity:	400 fps
Danger Distance:	235 yards / 300 meters
Magazine Capacity:	18

## 1. Rules of Safe Shooting

- **NEVER** point the air pistol at any person.
- **NEVER** point the air pistol at anything you do not intend to shoot.
- **ALWAYS** treat the air pistol as if it was loaded and handle it with the same respect you would a firearm.
- **ALWAYS** aim in a SAFE DIRECTION. **ALWAYS** keep the muzzle pointed in a SAFE DIRECTION.
- **NEVER** put any part of your hand over the muzzle.
- **ALWAYS** keep the air pistol ON "SAFE" until you are ready to shoot in a SAFE DIRECTION.
- Check behind and beyond your target to be certain you have a safe backstop and that no person or property can be endangered.
- This air pistol may only be used where your local laws permit or at shooting ranges allowed by the law, and only if the ammunition does not travel further than the shooting area. Keep in mind the maximum range of the BB.
- **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 away from the trigger guard until ready to shoot.
- You and others with you should **ALWAYS** wear safety shooting glasses to protect your eyes.
- If your reading or prescription glasses are not certified safety glasses, make sure you wear shooting glasses over your regular glasses.
- Use only ammunition and a CO<sub>2</sub> cartridge designed for this air pistol.
- Keep hands and face away from escaping CO<sub>2</sub> gas. It can cause frostbite if allowed to come in contact with skin.
- Use .177 caliber (4.5 mm) BBs only
- **NEVER** reuse BBs.
- **DO NOT** shoot at hard surfaces or at the surface of water. The BB 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.
- Replace the backstop if it becomes worn.
- **ALWAYS** store the air pistol with the safety on, unloaded, separated from the ammunition and CO<sub>2</sub> cartridge, and in a secure location to prevent unauthorized people from accessing it.
- **DO NOT** attempt to disassemble or tamper with the air pistol.
- **DO NOT** put the air pistol away loaded or charged with CO<sub>2</sub>.
- Make sure all of the BBs are unloaded from the pistol.
- **ALWAYS** store this air pistol in a safe location.
- **NEVER** leave the air pistol loaded if it is out of your reach.
- Unload the air pistol before giving it to someone else.

## 2. Customer Service - Troubleshooting

Do not use this air pistol until you have read and understood this owner's manual.

In the unlikely event your air pistol malfunctions or exhibits reduced performance, **DO NOT** attempt to fix the problem yourself. Please call Air Venturi to address any issues. They may ask you to return the gun for repair.

TROUBLESHOOTING							
SHOOTING ISSUE	POTENTIAL CAUSE						
	Safety is on	CO <sub>2</sub> cartridge is empty	CO <sub>2</sub> cartridge is defective	Slide not properly closed & locked	Using incorrect ammo	Sights require adjustment	Temp. too hot or cold
ACCURACY ISSUES	X	X			X	X	X
DOES NOT FIRE	X	X	X	X	X		
LOW VELOCITY		X			X		X

### 3. Learning the Parts of the M22 Air Pistol

Learning the names of the parts of your new air pistol will help you to understand your instruction manual.



Figure 1

### 4. Operating the Safety

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

#### 4.1 Put the Air pistol ON "SAFE"

- ALWAYS point the air pistol in a safe direction.
- Locate the safety on the **right side of the air pistol trigger** as shown in Figure 2.
- Use the included Safety Key to turn the knob **clockwise** toward the "S" for ON "SAFE".
  - "S" for ON "SAFE"
  - "F" for "FIRE"
- The safety is not ON "SAFE" unless the safety is pointing to the "S".



Figure 2

**CAUTION:** Like all mechanical devices, an airgun 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. **CAUTION:** DO NOT pull the trigger with the safety ON "SAFE". This will load a projectile into the barrel.

## 11. Use and Handling of CO<sub>2</sub>

**! WARNING:** A CO<sub>2</sub> CARTRIDGE CONTAINS GAS UNDER PRESSURE, WHETHER OR NOT IT HAS BEEN INSERTED INTO AN AIR PISTOL. IF EXPOSED TO HIGH TEMPERATURES (SUCH AS THE INSIDE OF A CLOSED CAR AND/OR IN DIRECT SUNLIGHT, IT COULD EXPLODE. STORE ALL CARTRIDGES IN A COOL PLACE.

**CAUTION:** NEVER attempt to reuse a CO<sub>2</sub> cartridge for any purpose.

It is possible that certain conditions may affect a CO<sub>2</sub> cartridge, which can impact its proper performance. These conditions include the usage, maintenance and storage at temperatures that are higher or lower than normal outdoor temperatures (59°F/15°C to 69.8°F/21°C). Another condition may be when the gun is fired rapidly.

- High temperatures can increase pressure in the CO<sub>2</sub> cylinder and also within the air pistol, leading to higher than standard operating pressure. This excess pressure could cause the air pistol to malfunction or be permanently damaged. Maximum storage or operation temperature should never exceed 122°F (50°C). This temperature can be reached if you leave the air pistol under direct sunlight on a bright day. Thus, to ensure proper airgun operation, do not expose it to high temperatures or direct sun light for long periods of time. Otherwise, the CO<sub>2</sub> cartridge could overheat and explode, which could damage the air pistol and cause injuries or death to people around it.
- Fast consecutive shooting may produce a decrease of temperature in the air pistol, as well as the CO<sub>2</sub> cartridge. This could result in lower projectile velocities and may even lower gas pressure enough so that the air pistol will not fire. This condition can be especially apparent when shooting in cold weather and can be avoided by allowing more time between shots. This permits the gas to increase in temperature and pressure and produce normal velocities.
- During rapid fire, the muzzle velocity of each shot will diminish. This can affect shooting accuracy and you will get fewer shots per CO<sub>2</sub> cartridge.
- Care should be exercised to ensure that the gun is not shot with a CO<sub>2</sub> cartridge that is low in pressure.
- Here are indicators of insufficient pressure:
  - The sound of the shot is not as loud as when the CO<sub>2</sub> cartridge is full.
  - The projectile hits the target, but in a lower position than it would with a full CO<sub>2</sub> cartridge (that is, the shooting speed has dropped).

## 12. Storage of the Air Pistol

ALWAYS store the airgun with the ammunition removed and the safety on. Carefully check that there is no ammunition in the barrel and remove the BBs from the magazine. Before storing, remove the CO<sub>2</sub> cartridge. KEEP THE AIRGUN OUT OF THE REACH OF CHILDREN and users not familiar with its use. Store the airgun separately from the ammunition and the CO<sub>2</sub> cartridges.

- Repeat this process several times until you are sure you are no longer firing BBs.
- You may also unload your air pistol by following the instructions listed under Step 8 – Removing a Jammed BB.

**CAUTION:** Even though you follow the unloading procedure, continue to treat the air pistol as though it is loaded. DO NOT point at anything you do not intend to shoot.

**CAUTION:** The air pistol must be charged with CO<sub>2</sub> when following these steps but remember, DO NOT store the air pistol with a CO<sub>2</sub> cartridge in it.

**IMPORTANT:** Never use sharp metal tools to remove BBs.

## 8. Removing a Jammed BB

**IMPORTANT:** Firing the air pistol with too little gas pressure may cause a BB to get stuck in the barrel.

- Put the air pistol ON “SAFE” (See Step 4.1).
- Point the air pistol in a SAFE DIRECTION.
- Remove the magazine (See Step 5).
- Unload all of the BBs (See Step 7.2).
- Remove the CO<sub>2</sub> cartridge (See Step 6.2).
- Insert a .177 caliber ramrod into the muzzle end of the barrel and carefully push the jammed BB into the breech. The barrel could be damaged if the proper sized ramrod is not used.
- Hold the air pistol upright and shake until the jammed BB falls out.
- DO NOT try to reuse that BB.
- If you are unable to unjam your air pistol by following this procedure, take no further action.
- Call the Air Venturi service line at: 216-220-1180

## 9. Safe Aim

- The air pistol is correctly aimed when the front sight blade is positioned exactly in the notch of the rear sight.
- The top of the front sight blade should be even with the top of the notch in the rear sight.
- The bull’s-eye should appear to rest on the top of the front sight as shown in Figure 10.



Figure 10

## 10. Adjusting the Sights

### 10.1 Rear Sight

- May be adjusted for windage.
- If the air pistol fires too far to the right, adjust the windage by using a small flathead screwdriver to turn the screw clockwise.
- If the air pistol fires too far to the left, adjust the windage by using a small flathead screwdriver to turn the screw counterclockwise.

### 10.2 Front sight is fixed.

### 4.2 Take the Air Pistol OFF “SAFE”

- ALWAYS point the air pistol in a safe direction.
- Locate the safety on the **right side of the air pistol trigger** as shown in Figure 2.
- Use the included Safety Key to turn the knob **counterclockwise** toward the “F” for “FIRE”.
  - “F” for “FIRE”
  - “S” for ON “SAFE”
- The air pistol is ready to FIRE when the safety is pointing to the “F”.

## 5. Remove the Magazine

- ALWAYS point the air pistol in a safe direction.
- Put the air pistol ON “SAFE”.
- Use one hand to hold the magazine’s bottom and the other hand to hold the gun body
- At the same time, pull the magazine out from the gun body as shown in Figure 3.



Figure 3

## 6. Installing and Removing CO<sub>2</sub>

**! WARNING:** USE ONLY 12g CO<sub>2</sub> CARTRIDGES. ANY ATTEMPT TO USE OTHER TYPES OR GAS CYLINDERS COULD BE EXTREMELY DANGEROUS AND COULD RESULT IN SERIOUS INJURY OR DEATH. GASSES OTHER THAN CO<sub>2</sub> COULD RESULT IN AN EXPLOSION OR RUPTURE OF THE GUN.

**! WARNING:** CO<sub>2</sub> CARTRIDGES MAY EXPLODE AT TEMPERATURES ABOVE 120°F (48.9°C). DO NOT MUTILATE OR INCINERATE THEM. DO NOT EXPOSE THEM TO HEAT OR STORE CO<sub>2</sub> CARTRIDGES AT TEMPERATURES ABOVE 120°F (48.9°C).

**CAUTION:** Keep hands and face away from escaping CO<sub>2</sub> gas. It can cause frostbite if allowed to come in contact with skin.

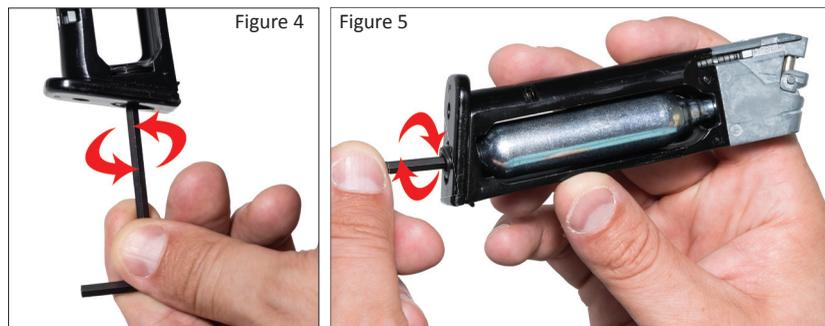
**NOTE:** NEVER try to force any CO<sub>2</sub> cartridge into or out of place.

**NOTE:** DO NOT store your air pistol with a CO<sub>2</sub> cartridge in it. (This is very important to remember, as it will prolong the longevity of your air pistol seals.) If you know you will not be using your air pistol for an extended period of time, empty the CO<sub>2</sub> cartridge and remove it from the air pistol as explained in Step 6.2 below.

### 6.1 Installing CO<sub>2</sub> Cartridge

- Put the air pistol ON “SAFE” (See Step 4.1).
- Make sure the air pistol is unloaded (See Step 7.2).
- Point the air pistol in a SAFE DIRECTION.
- Remove the magazine (See Step 5).

- **Loosen** the piercing screw with the hex wrench by turning it **counterclockwise** as shown in Figure 4.
- Putting 1 to 2 drops of seal conditioning airgun oil on the tip of every CO<sub>2</sub> cartridge will help to maintain your airgun. Do not use petroleum distillate based oil or solvent.
- Insert a new CO<sub>2</sub> cartridge into the air pistol with the small neck of the cartridge pointing up toward the piercing assembly as shown in Figure 5.
- Gently **tighten** the piercing screw with the hex wrench by turning it **clockwise** until it moves the CO<sub>2</sub> cartridge up into position and you hear it pierce the CO<sub>2</sub> cartridge as shown in Figure 5. **DO NOT over tighten as this could damage the cartridge seal.**
- Carefully press the grip back into place and replace the magazine.



- Position the air pistol in a SAFE DIRECTION, take OFF “SAFE” (See Step 4.2) and pull the trigger. **If the air pistol does not make a popping noise after pulling the trigger, the CO<sub>2</sub> is not being discharged.**
- In that event, you will have to remove magazine and tighten the cylinder screw a little more by turning it clockwise.
- Then test it again, while pointing in a SAFE DIRECTION.
- Return the safety to the ON “SAFE” position (See Step 4.1).

## 6.2 Removing CO<sub>2</sub> Cartridge

- Put the air pistol ON “SAFE” (See Step 4.1).
- Make sure the air pistol is unloaded (See Step 7.2).
- Point the air pistol in a SAFE DIRECTION.
- Remove the magazine (See Step 5).
- **Slowly** turn the piercing screw **counterclockwise and loosen** with the hex wrench as shown in Figure 4. This allows any remaining CO<sub>2</sub> gas to escape.

**CAUTION:** Be sure to keep your hands and face away from escaping CO<sub>2</sub>.

- Remove the empty CO<sub>2</sub> cartridge by turning the air pistol over and shaking it to let the CO<sub>2</sub> cartridge fall out. The CO<sub>2</sub> cartridge may be cold. Avoid prolonged contact with the CO<sub>2</sub> cartridge if it is very cold.

## 7. Loading and Unloading the Air Pistol

**! WARNING:** ONCE THE BB MAGAZINE IS LOADED WITH A BB IT IS CONSIDERED TO BE LOADED. USE EXTREME CAUTION WHEN HANDLING THE AIR PISTOL. KEEP THE AIR PISTOL POINTED IN A SAFE DIRECTION. NEVER POINT THE GUN AT ANYONE. ALWAYS TREAT THE AIR PISTOL AS IF IT WERE LOADED AND READY TO FIRE.

**! WARNING:** USE ONLY .177 (4.5 MM) CALIBER STEEL BBS IN YOUR AIR PISTOL. USE OF ANY OTHER AMMUNITION CAN CAUSE INJURY TO YOU OR DAMAGE TO THE AIR PISTOL. USE OF ANYTHING OTHER THAN .177 (4.5 MM) CALIBER BBS WILL VOID THE WARRANTY. NEVER REUSE BBS.

**! WARNING:** DO NOT PLACE YOUR HAND OR FINGERS OVER THE MUZZLE. WHEN OPENING OR CLOSING THE SLIDE MAKE SURE THE AIR PISTOL IS POINTING IN A SAFE DIRECTION, AND KEEP YOUR FINGER OFF THE TRIGGER. FAILURE TO FOLLOW THESE WARNINGS MAY CAUSE SERIOUS INJURY.

### 7.1 Loading the BBs

- Put the air pistol ON “SAFE” (See Step 4.1).
- Make sure the air pistol is unloaded (See Step 7.2).
- Point the air pistol in a SAFE DIRECTION.
- Pull the BB follower down and fix it into the left groove as shown in Figure 6.
- Load the BB into the port as shown in Figure 7.
- Release the BB guide as shown in Figure 8.
- Insert the loaded magazine back into the bottom of the grip frame until you hear a click indicating the magazine is securely locked into place as shown in figure 9.



Figure 6

Figure 7

Figure 8

Figure 9

**CAUTION:** Your backstop should be inspected for wear before and after each use. Discontinue use if the backstop surface shows signs of failure. Since backstop surfaces eventually fail, 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. NEVER aim at people, pets or water.

### 7.2 Unloading the BBs

- Put the air pistol ON “SAFE” (See Step 4.1).
- Make sure the air pistol is unloaded (See Step 7.2).
- Point the air pistol in a SAFE DIRECTION.
- Remove the magazine (See Step 5).
- Tip the magazine until all the BBs fall out of the hole.
- If a BB is still visible in the top of the magazine, shake the BB out of the magazine
- Aim the air pistol in a SAFE DIRECTION; take it OFF “SAFE” (See Step 4.2) and fire.