



# COMP10

## Owner's Manual



Precharged Pneumatic  
.177 Cal. Match Air Pistol

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READ THIS MANUAL AND THE WARNINGS AND SAFETY PROCEDURES PRIOR TO HANDLING THIS PRODUCT.

**⚠ WARNING:** NOT A TOY. THIS AIRGUN 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 WITHIN 300 YARDS (274 METERS).

**⚠ WARNING:** DO NOT BRANDISH, HANDLE IN A THREATENING MANNER, OR DISPLAY AN AIR GUN IN PUBLIC. THE AIR GUN COULD BE MISTAKEN FOR A REAL FIREARM CAUSING AN ARMED RESPONSE FROM LAW ENFORCEMENT. THIS COULD CAUSE INJURY OR DEATH. DISPLAYING AN AIR GUN IN PUBLIC MAY VIOLATE STATE OR LOCAL LAWS AND COULD RESULT IN ARREST.

**⚠ WARNING:** THE COMP10 IS A MATCH PRECISION AIR GUN AS DEFINED BY ASTM F589. IT IS EXEMPT FROM THE 3LB (1,35 KG.) MINIMUM TRIGGER PULL, SAFETY MECHANISM AND DROP TEST REQUIREMENT. IMPROPER ADJUSTMENT CAN LEAD TO THE GUN FIRING IF DROPPED.

**⚠ WARNING:** THIS AIRGUN IS INTENDED FOR USE BY THOSE 16 YEARS OF AGE OR OLDER.

**⚠ WARNING:** ANY CHANGE IN PERFORMANCE OF YOUR AIR GUN, SUCH AS, LOWERED TRIGGER FORCE AND SHORTENED TRIGGER TRAVEL, INDICATES POSSIBLE WEAR. IN ANY SUCH INSTANCE, YOUR AIR GUN SHOULD BE INSPECTED, REPLACED OR PROPERLY REPAIRED. INSPECTION AND REPAIRS SHOULD ONLY BE PERFORMED BY QUALIFIED PERSONNEL.

**⚠ WARNING:** CHECK ANY GUN THAT HAS BEEN DROPPED TO ENSURE IT'S FUNCTION HAS NOT BEEN ALTERED.

**⚠ WARNING:** THIS PRODUCT CAN EXPOSE YOU TO CHEMICALS INCLUDING LEAD, WHICH IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. FOR MORE INFORMATION GO TO: [WWW.P65WARNINGS.CA.GOV](http://WWW.P65WARNINGS.CA.GOV)

**⚠ WARNING:** USE ONLY COMPRESSED AIR IN THIS RIFLE. DO NOT USE OTHER GASSES, INCLUDING OXYGEN, WHICH CAN CAUSE A FIRE OR EXPLOSION THAT MAY RESULT IN SERIOUS INJURIES OR DEATH.

**⚠ WARNING:** THE MAX PRESSURE OF THE AIR RESERVOIR IS 250 BAR / 3,625 PSI. DO NOT FILL PAST THE MAX PRESSURE.

## RULES OF SAFE SHOOTING

### READ THIS MANUAL AND THE WARNINGS AND SAFETY PROCEDURES PRIOR TO HANDLING

1. Never point at people or animals even if the air gun is not loaded.
2. Air guns are not toys. They should only be used under adult supervision. Safety is a straightforward but continuous process.
3. **THIS AIR GUN DOES NOT HAVE A SAFETY. YOU ARE THE ULTIMATE SAFETY FOR YOUR GUN.**
4. Always aim at a safe target, taking care that it does not conceal any other object, and that the background will not produce ricochets.
5. Always keep fingers away from the trigger during cocking and handling.
6. Do not load the air gun until you are ready to fire. Do not walk, run or jump when carrying a loaded air gun. A loaded air gun should never be carried inside a vehicle.
7. You and others with you should always wear safety glasses to protect your eyes.
8. After use and before putting the air gun away, always make absolutely sure that there are no pellets in the chamber.
9. The air gun and pellets should be kept in separate places, if possible under lock and key.
10. **ALWAYS KEEP THE AIR GUN AND/OR PELLETS OUT OF THE REACH OF CHILDREN.**
11. Do not fire at a target which allows ricochets or deflections. Do not fire into or at water.
12. Air guns should not be used when the user is under the influence of alcohol or drugs.
13. Before firing, always make sure that there are no persons or animals behind the target which could be harmed by the pellets.
14. Do not tamper with or modify any of the parts of this air gun. If a malfunction should occur, contact Air Venturi: 216-220-1180. Do not attempt to repair, since special tools are needed and this could be dangerous.
15. Improper use or handling of air guns will not, under any circumstances, be the responsibility of the manufacturer or distributor. **THE USER WILL BE SOLELY RESPONSIBLE FOR ANY HARM WHICH MAY BE CAUSED.**
16. Think first, fire second.
17. **THE USE OF THIS AIR GUN IS NOT RECOMMENDED FOR PERSONS UNDER 16 YEARS OF AGE.**
18. DO NOT inhale dust from lead pellets or put lead pellets in the mouth. Wash hands after handling lead. Lead pellets contain lead, a chemical known to the State of California to cause cancer and birth defects (or other reproductive harm).
19. Use the correct pellet size for your airgun. Never reuse pellets. The use of any other kind of ammunition can cause injury to you or cause damage to your airgun.
20. DO NOT assume your airgun is unloaded if it fails to fire properly!
21. NEVER leave your airgun loaded. Always treat an airgun as if it is loaded, even if you think it is not. Always transport your airgun unloaded and in a hard case.
22. DO NOT use this airgun until you have read and understood this owner's manual.

## PARTS OF YOUR AIR PISTOL



## FILLING YOUR COMP10 WITH COMPRESSED AIR

- 1) Make sure your pistol is unloaded and the Dry-Fire Switch is in the "S" position. Keep the muzzle pointed in a safe direction. Be sure to wear eye protection. (Fig 1)
- 2) Remove the Air Cylinder from the pistol by turning it counter-clockwise. It is normal to hear a small amount of air escape during this process. (Fig 2)
- 3) Connect the refill adapter to the rear end of your air cylinder. (Fig 3)
- 4) Connect your air source to the refill adapter. If you are using a quick disconnect fitting, make sure the collar on the female fitting is in the forward, locked position. Check this connection is secure by trying to pull the fitting off of the cylinder. (Fig 4)
- 5) When filling is completed, bleed the pressure in your fill device and disconnect your fill device from the cylinder. Remove the refill adapter from the cylinder.
- 6) Install the cylinder by threading it clockwise onto the pistol. (Fig 5)



<b>⚠ DANGER</b>	
	<b>DANGER OF EXPLOSION!</b> Overfilled compressed air cylinder Do NOT exceed maximum fill pressure of your cylinder at room temperature!

<b>⚠ WARNING:</b>	THE AIR SHOULD BE PRESSURIZED SLOWLY. OTHERWISE, HEAT IS GENERATED THAT AFFECTS THE ACCURACY OF THE PRESSURE. OVERPRESSURE CAN CAUSE EXPLOSIONS, SERIOUS INJURIES OR DEATH.
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<b>⚠ WARNING:</b>	USE ONLY COMPRESSED AIR IN THIS RIFLE. DO NOT USE OTHER GASSES, INCLUDING OXYGEN, WHICH CAN CAUSE A FIRE OR EXPLOSION THAT MAY RESULT IN SERIOUS INJURIES OR DEATH.
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<b>⚠ WARNING:</b>	THE MAX FILL PRESSURE OF THE AIR RESERVOIR IS 250 BAR / 3,625 PSI. DO NOT FILL PAST THE MAX FILL PRESSURE.
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<b>⚠ WARNING:</b>	BEFORE YOU DISCONNECT THE FEMALE QUICK CONNECTOR FROM THE RIFLE, THE FILL ASSEMBLY MUST BE DEPRESSURIZED SO THAT THERE IS NO AIR IN THE SYSTEM.
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## HOW TO COCK, LOAD, AND FIRE YOUR COMP10 AIR PISTOL

1. Point the pistol in a safe direction. Holding the pistol grip with your dominant hand with your trigger finger indexed away from the trigger, grasp the cocking lever with your non-dominant hand and pull up and back until the pistol is cocked. The pistol is cocked when the lever cannot be pulled back any further (Fig 1).



2. Load a .177 caliber pellet head first into the loading tray. (Fig 2).



3. Ensure the dry fire switch is in the "F" position. Close the cocking lever by pushing it forward and down, until it returns to the full closed position. This will load the pellet into the barrel. (Fig 3).



4. Point the airgun in a safe direction, take aim, and squeeze the trigger until the pistol fires.

**⚠ WARNING:** ALWAYS BE SURE TO KEEP THE PISTOL POINTED IN A SAFE DIRECTION.

**⚠ WARNING:** YOU AND OTHERS WITH YOU SHOULD ALWAYS WEAR EYE PROTECTION WHEN OPERATING THIS AIR PISTOL.

## DRY-FIRING

This pistol may be safely cocked and dry-fired for training and trigger adjustment by moving the Dry-Fire Switch to the S position. (Fig 1) Once in the S position, pull up and back on the cocking lever until the trigger is cocked. **DO NOT LOAD A PELLET.** Push the cocking lever forward and down, until the lever comes to rest. The lever will not close entirely. (Fig 2) From this position, the trigger will fire without air being exhausted.



## ADJUSTING THE PALM SHELF

To adjust the palm shelf, loosen the screw that holds it in place. (Fig 3) Once loose, adjust the shelf to a comfortable position for your hand, and tighten down the screw. (Fig 4) The shelf can be removed by removing the screw completely.



## SIGHTS

The sights are metal. The front sight is fixed. The rear sight is adjustable for windage and elevation.

The position of the rear sight can be adjusted by loosening (turning counter-clockwise) the screw in Figure 5. Once the desired position is achieved, tighten the screw by turning clockwise.



**Windage Adjustment (Left/Right):** Turn the screw in Figure 6 clockwise to move the rear sight left. Counter-clockwise to move the rear sight right.



**Elevation Adjustment (Up/Down):** Turn the screw in Figure 7 clockwise to move the rear sight down. Counter-clockwise to move the rear sight up.



## TRIGGER ADJUSTMENTS

**A)** Adjusts for the trigger position - clockwise will move the trigger further back, counter clockwise will move it further forward (this also acts in tandem with C, and can effectively adjust for 1st stage travel if C is left untouched)

**B)** Adjusts for 1st stage weight - clockwise increases weight, counter clockwise decreases

**C)** Adjusts the 1st stage travel - this screw contacts the bottom sear, adjusting clockwise decreases travel, counter clockwise will increase the travel.

**D)** Adjusts the trigger stopping point - Adjusting clockwise will create a physical stop for the trigger after the sear is released. Adjusting too far clockwise will prevent the pistol from cocking. **Most users will not need to alter this adjustment from factory settings.**

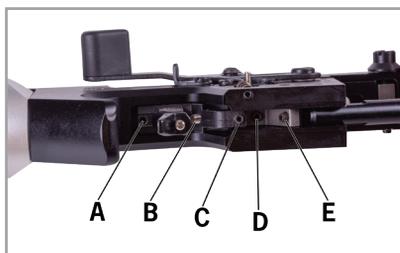
**E)** Adjusts the sear engagement - clockwise will decrease the sear engagement, counter clockwise will increase sear engagement. Adjusting too far clockwise can make the pistol unsafe and prevent the pistol from cocking.

*Note: The grip must be removed to access adjustment screws C, D, and E.*

The position of the trigger assembly can be adjusted in two ways.

1) With a 2mm Allen Key, loosen screw 1 to adjust the trigger unit forward or backward.

2) With a 1.5mm Allen Key, loosen screw 2 to adjust the trigger blade up and down or left and right.



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**! WARNING:** ALWAYS BE SURE TO KEEP THE PISTOL POINTED IN A SAFE DIRECTION.

**! CAUTION:** TAKE CARE WHEN MAKING TRIGGER ADJUSTMENTS. IF THE TRIGGER IS ADJUSTED TOO LIGHT, THE PISTOL MAY NOT COCK OR MAY FIRE WHEN CLOSING THE BOLTING MECHANISM.

## STORAGE & MAINTENANCE

When storing the pistol, it is recommended that you leave the Dry-Fire Switch in the “S” position.

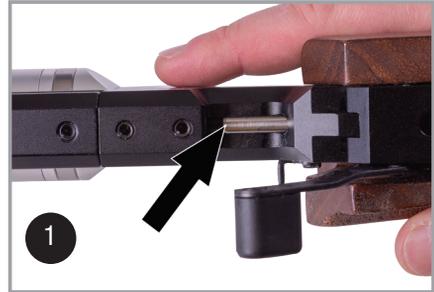
It is also recommended that the pistol be stored pressurized.

Before doing any maintenance on your air pistol, make sure it is unloaded.

- To lubricate the breech seal, apply a small amount of pure silicone grease or oil to the front end of the pellet probe and move it in and out of the breech a few times. (Fig 1) This should be done every 500-1000 shots.

- To lubricate the cylinder seal and regulator assembly, apply a small amount of pure silicone grease as shown in Fig 2 before threading the cylinder onto the air pistol. This will lubricate both the cylinder seal as well as the regulator assembly. This should be done every 1000 shots.

If you experience any stiffness or hear any squeaking noises coming from the cocking lever action, it is recommended to apply a small amount of moly paste to these parts as needed.



## WARRANTY

Your Air Venturi COMP10 pistol is manufactured to the highest standards, using quality materials to give a lifetime of service. In the unlikely event there are any defects in materials or workmanship in the first twelve (12) months after retail purchase, we will repair or replace your airgun under warranty. Keep your original purchase receipt to obtain warranty repairs.

What is covered: Replacement parts and labor. Transportation charges to consumer for return of repaired product.

- The warranty will be invalid if:
- The airgun has been disassembled and incorrectly reassembled.
- The airgun is found to have lubrication not recommended by Air Venturi.
- The airgun has been fitted with non-Air Venturi parts.
- The airgun has been misused or abused.
- The original purchase receipt cannot be presented.

The warranty does NOT cover:

- O-rings, screws, seals, springs or stocks.
- Any damages or faults caused by owner misuse or action.
- Shipment damage of the airgun to or from Air Venturi.
- Transportation charges to Air Venturi for defective products.
- Damages caused by abuse or failure to perform normal maintenance.
- Parts subject to normal wear and tear.
- Consequential damages, incidental damages or incidental expenses including damage to property.
- Any other expense.

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.

This warranty is in addition to your statutory rights. To register your warranty, the card below must be completed and returned to Air Venturi within 30 days of purchase. Retain your sales receipt as proof of purchase.

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.



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