



# Tex-Rex, Texan, TexanSS, TexanLSS & Texan Carbine Safety & Operation Manual

## WARNING

This airgun is recommended for adult use only.

Careless use may result in serious injury or accidental death.

Dangerous within a minimum of 1 mile (1610 meters).

Capable of velocity in excess of 1,000 feet per second (305 m.p.s.)

This air rifle should only be used by responsible persons 18 years or older.

Use airgun ammunition only.

**READ ALL INSTRUCTIONS  
AND WARNINGS BEFORE  
USING THIS AIRGUN.**

- ⚠ **WARNING:** Never refill the cylinder of a loaded rifle. Always unload the rifle before refilling.
- ⚠ **CAUTION:** Open the cocking lever when filling the cylinder the first time and everytime you refill.
- ⚠ **WARNING:** The Texan/TexanSS/TexanLSS/Texan Carbine are capable of generating over 800 ft. lbs. of energy. Only shoot with a backstop rated for 800 ft. lbs. or greater.
- ⚠ **WARNING:** This air rifle is not a toy and can cause serious injury or death.
- ⚠ **CAUTION:** The airgun should be used only by adults or under adult supervision.
- ⚠ **NOTICE:** Always wear eye and ear protection when using this airgun. This includes people in the immediate vicinity.
- ⚠ **WARNING:** Always assume the air rifle is loaded. Never leave the airgun loaded if it is not going to be used.
- ⚠ **WARNING:** Always point the air rifle in a safe direction and be aware of the backstop.
- ⚠ **WARNING:** Do not point at anything you do not intend to shoot.
- ⚠ **WARNING:** Do not fire at a target that allows ricochets or deflections.  
Do not fire into or at water.
- ⚠ **NOTICE:** Be certain that the airgun ammunition you use is the proper caliber for the airgun.  
Never re-use projectiles.
- ⚠ **WARNING:** Airgun ammunition contains lead. Follow all airgun ammunition package safety directions. Wash hands thoroughly after handling. Do not put in mouth.
- ⚠ **CAUTION:** Store the airgun (unloaded) and airgun ammunition in separate, safe places, out of reach of children.
- ⚠ **WARNING:** Do not walk, jump or run when carrying a loaded air rifle. Keep your fingers away from the trigger and do not load the rifle until you are ready to fire.
- ⚠ **CAUTION:** Unload the airgun before putting it in a vehicle.
- ⚠ **NOTICE:** Do not remove from its case or show the air rifle in public.
- ⚠ **NOTICE:** Buyer and user have the duty to obey all laws about the use and ownership of this airgun.
- ⚠ **WARNING:** Anytime you carry or transport an airgun, make sure the safety is on and the gun is unloaded. Under no circumstances carry or transport when loaded.
- ⚠ **WARNING:** Do not fill the air cylinder above recommended fill pressure marked on cylinder.
- ⚠ **WARNING:** Only use dry-filtered, compressed air or nitrogen to fill the air cylinder.  
Never use other gases such as oxygen, acetylene, hydrogen, etc.
- ⚠ **NOTICE:** It is recommended that you have the air tank visually inspected every 3 years and a hydrostatic test every 5 years.
- ⚠ **CAUTION:** Do not “dry fire” the air rifle

**FAILURE TO OBSERVE THE ABOVE WARNINGS & CAUTIONS CAN RESULT IN DAMAGE TO YOUR AIR PISTOL, ACCIDENTAL DEATH OR SERIOUS INJURY. SAFE SHOOTING IS EVERYONE'S RESPONSIBILITY.**

**⚠ 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 REAL FIREARM. DO NOT CHANGE THE COLORATION AND MARKINGS TO MAKE IT LOOK MORE LIKE A FIREARM. THAT IS DANGEROUS AND MAY BE A CRIME.**

For repairs contact the manufacturer. You will be given an RMA number and instructions on how to return the airgun to the factory.

AirForce Airguns  
817-451-8966 • [staff@airforceairguns.com](mailto:staff@airforceairguns.com)

# USE OF AIR WITH THE AIR RIFLE

AirForce air rifles are designed for use with clean, dry compressed air or dry nitrogen. The maximum fill pressure is marked on the cylinder. A pressure relief device has been installed in the air tank and can rupture if the internal pressure exceeds the rated fill pressure.

All AirForce airguns have precision rifled barrels. They will shoot accurately only with good quality lead airgun ammunition of the appropriate caliber.

**The use of any projectile other than lead is unauthorized and will void the warranty.**

## Safety First!

Any gun is dangerous when handled improperly, including an airgun. AirForce airguns are especially powerful, so they must be taken seriously at all times. Review the safety rules on the preceding page, plus the special warnings, cautions and notices that appear throughout this manual.

## Airgun Safety

Airguns are unique because the gun provides the power for the shot— not the ammunition. NEVER put anything into the barrel of this airgun except high quality lead airgun ammunition.

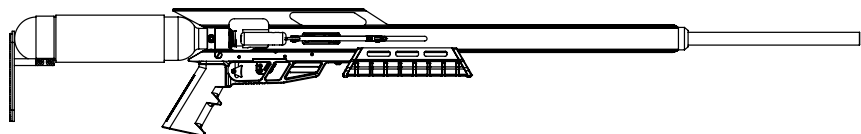
## Three Important Rules

- 1) Always point the muzzle in a direction that will not cause injury or property damage if the gun discharges.
- 2) Keep your finger off the trigger until you are ready to shoot.
- 3) Don't load the gun until you are ready to shoot.

NOTICE: READ THIS MANUAL ENTIRELY  
BEFORE CHARGING OR USING OUR AIRGUN

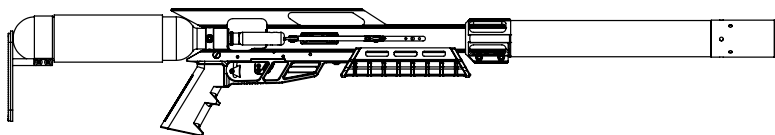
Specifications

Texan



Power Adjustment .....	None, Self Adjusting
.....	User Tunable for different projectile weights
Action .....	Single shot
Weight .....	8.0 lbs
Length .....	48.0 inches
Barrel .....	34 inches
Caliber .....	0.257, 0.308, 0.357, 0.457, 0.510
Trigger .....	2 stage, adjustable for position
Safety .....	Automatic on cocking
Air Tank Volume .....	490cc
Velocity .....	Up to 1,100 feet per second
.....	(Depending on caliber, airgun ammunition weight, and tuner setting)
Sights.....	Open or optical may be installed
Energy .....	Over 800 FPEfoot pounds
.....	(Depending on caliber, airgun ammunition weight, and tuner setting)

TexanSS

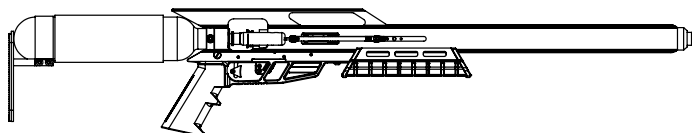


Power Adjustment .....	None, Self Adjusting
.....	User Tunable for different projectile weights
Action .....	Single shot
Weight .....	8.45 lbs
Length .....	45.0 inches
Barrel .....	24.75 inches
Caliber .....	0.257, 0.308, .0357, 0.457, 0.510
Trigger .....	2 stage, adjustable for position
Safety .....	Automatic on cocking
Air Tank Volume .....	490cc
Velocity .....	Up to 930 feet per second
.....	(Depending on airgun ammunition weight, and tuner setting)
Sights.....	Open or optical may be installed
Energy .....	Over 600 foot pounds
.....	(Depending on airgun ammunition weight, and tuner setting)

# NOTICE: READ THIS MANUAL ENTIRELY BEFORE CHARGING OR USING OUR AIRGUN

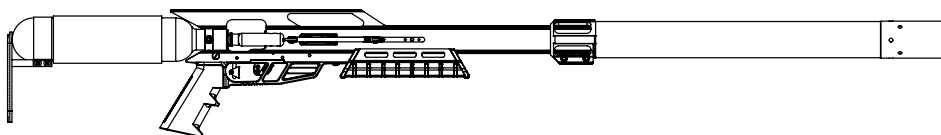
## Specifications

### Texan Carbine



Power Adjustment .....	None, Self Adjusting
.....	User Tunable for different projectile weights
Action .....	Single shot
Weight .....	7.5 lbs
Length .....	39.0 inches
Barrel .....	24.75 inches
Caliber .....	0.257, 0.308, 0.357, 0.457, 0.510
Trigger .....	2 stage, adjustable for position
Safety .....	Automatic on cocking
Air Tank Volume .....	490cc
Velocity .....	Up to 930 feet per second
	(Depending on caliber, airgun ammunition weight, and tuner setting)
Sights.....	Open or optical may be installed
Energy .....	Over 600 foot pounds
	(Depending on caliber, airgun ammunition weight, and tuner setting)

### TexanLSS

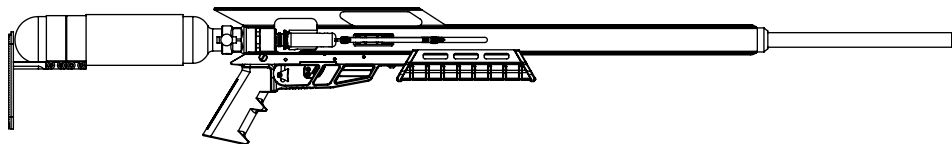


Power Adjustment .....	None, Self Adjusting
.....	User Tunable for different projectile weights
Action .....	Single shot
Weight .....	8.0 lbs
Length .....	54.25 inches
Barrel .....	34 inches
Caliber .....	0.257, 0.308, 0.357, 0.457, 0.510
Trigger .....	2 stage, adjustable for position
Safety .....	Automatic on cocking
Air Tank Volume .....	490cc
Velocity .....	Up to 1,100 feet per second
	(Depending on caliber, airgun ammunition weight, and tuner setting)
Sights.....	Open or optical may be installed
Energy .....	Over 800 foot pounds
	(Depending on caliber, airgun ammunition weight, and tuner setting)

NOTICE: READ THIS MANUAL ENTIRELY  
BEFORE CHARGING OR USING OUR AIRGUN

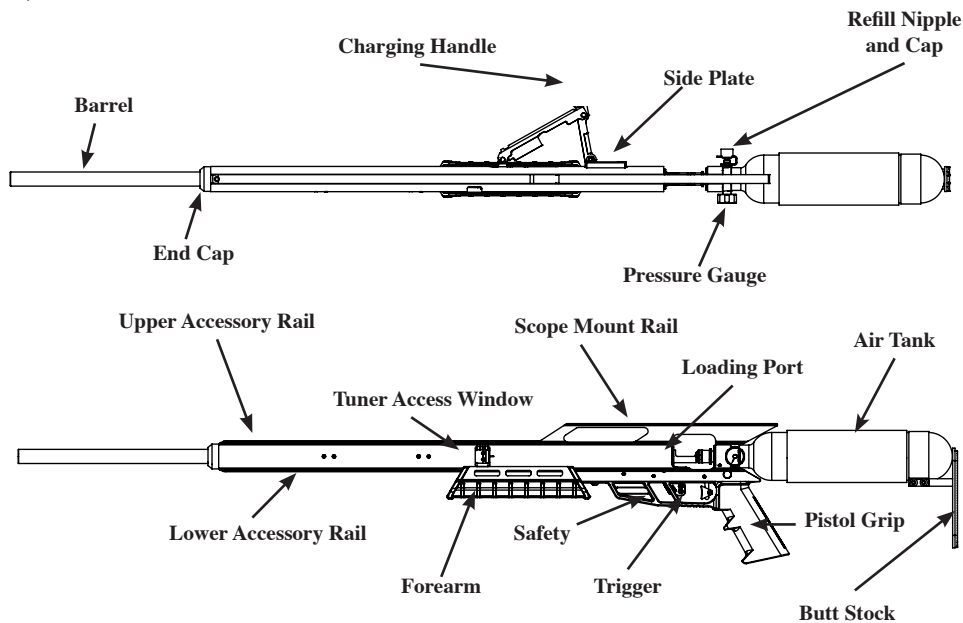
Specifications

Tex-Rex



Power Adjustment .....	None, Self Adjusting
User Tunable for different projectile weights	
Action .....	Single shot
Weight .....	7.25 lbs
Length .....	48.0 inches
Barrel .....	34 inches
Caliber .....	0.510
Trigger .....	2 stage, adjustable for position
Safety .....	Automatic on cocking
Air Tank Volume .....	500cc
Velocity .....	Up to 1,250 feet per second
(Depending on airgun ammunition weight, and tuner setting)	
Sight .....	Open or optical may be installed
(Depending on airgun ammunition weight, and tuner setting)	

Nomenclature





**WARNING: ALWAYS KEEP THE MUZZLE  
POINTED IN A SAFE DIRECTION**

## **FILLING/ATTACHING THE AIR TANK**

### ***SPIN-LOC™ TANK SYSTEM***

*(TEX-REX INSTRUCTIONS TO FOLLOW)*

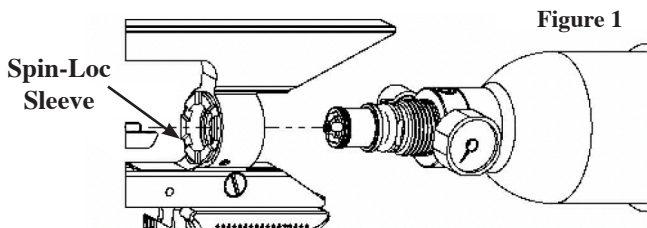
**⚠ WARNING:** Make sure air rifle is unloaded before installing air tank.

**⚠ CAUTION:** Dry firing will damage the rifle.

Slide the air tank into  
the rear of the frame.

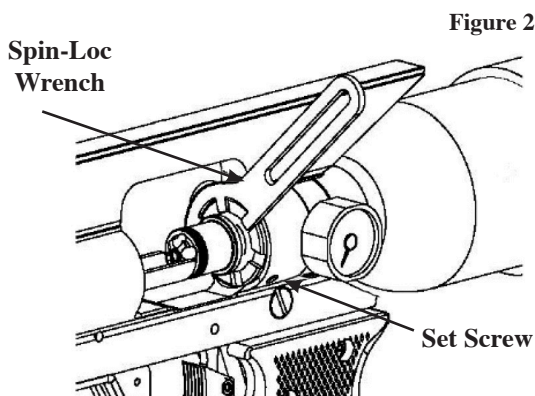
See FIGURE 1.

Screw the Spin-Loc  
Sleeve onto the air tank  
until it is hand tight.  
Make sure that the Set  
Screw is loose and  
allows the Spin-Loc  
Sleeve to turn freely.

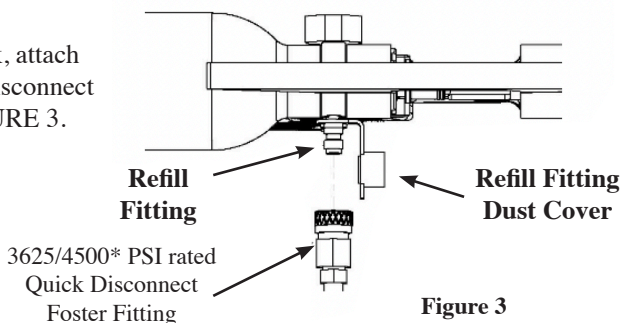


See FIGURE 2.

Use the Spin-Loc  
Wrench to tighten the  
air tank in place. Use  
CARE so you will not  
scratch your aluminum  
Frame. See FIGURE 2.



To refill your Spin-Loc Tank, attach  
the 4500 p.s.i. rated quick disconnect  
to the refill fitting. See FIGURE 3.

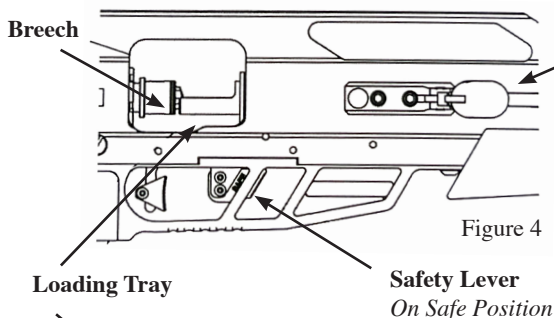




**WARNING: BEFORE LOADING YOUR AIRGUN, MAKE SURE THE SAFETY IS IN THE ON SAFE POSITION AND THE MUZZLE IS POINTED IN A SAFE DIRECTION.**

## LOADING, COCKING, FIRING

Manually move the safety to the On Safe position by sliding safety lever back towards trigger. (See Figure 4)



### Bolt Charging Handle Open Position

To load the rifle, pull the charging handle away from the frame and push it toward the muzzle until it cannot open any further. Place a projectile in the loading tray and push it into the breech, with your thumb or a projectile seating tool, until it engages the rifling. This is important for accuracy, because it makes each shot start from the same place. (See Figure 5)

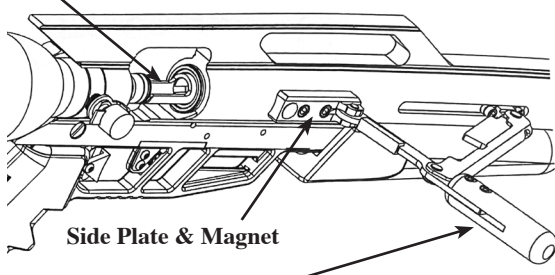


Figure 5 Charging Handle

After loading, pull the charging handle towards the rear of the gun, and push it in towards the frame, until the levers touch the side plate and magnet. This closes the breech and cocks the striker.

To fire, take aim, slide the safety to the On Fire position and squeeze the trigger until the rifle discharges. (See Figure 6)

### Bolt Bolt Charging Handle Closed Position

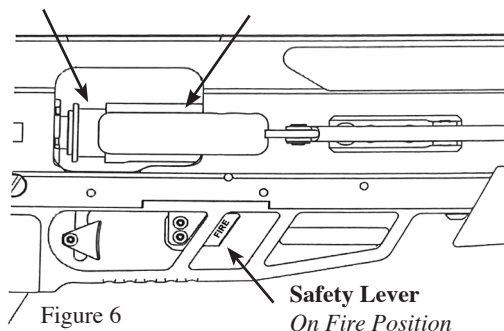


Figure 6

**⚠ WARNING: DO NOT ATTEMPT TO FIRE YOUR AIRFORCE TEXAN AIR RIFLE IF THE TANK PRESSURE IS BELOW 2000 PSI. DOING SO MAY RESULT IN A SUDDEN RELEASE OF A HIGH VOLUME OF AIR, INCREASING RECOIL.**





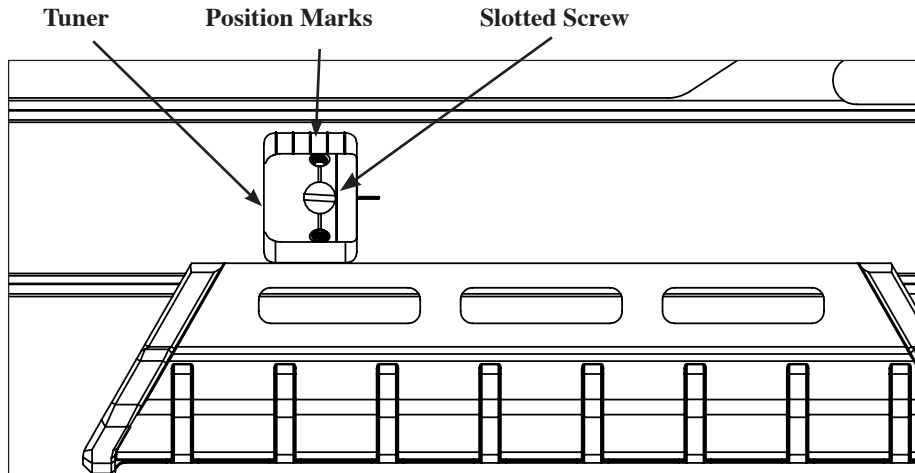
**WARNING: ALWAYS KEEP THE MUZZLE  
POINTED IN A SAFE DIRECTION**

## **ADJUSTING THE TUNER ON TEXAN, TEXANSS, TEXAN CARBINE OR TEXAN LSS**

*(TEX-REX INSTRUCTIONS TO FOLLOW)*

To access the tuner, the action of your air gun must be fully open. At that point two windows on the left side of the frame will align, allowing access to the tuner.

The force of the striker can be adjusted so that there is just enough force to open the valve, eliminating excess wear and recoil. This also has shown accuracy improvements. Except for the lightest projectiles, once the valve is cracked open, the valve will self regulate to the weight of the projectile used. This is partially due to the fact that heavier projectiles have more contact to the bore and move slower out of the bore. The resulting pressure on the valve, holds it open longer. Very light-weight projectiles are the exception as they may not hold the valve open long enough to achieve maximum velocities. Starting at a lower tank pressure (i.e. 2700 p.s.i.) may help to achieve maximum accuracy with these light projectiles.



To increase tuner tension, remove slotted screw, then rotate it downwards, to decrease tension rotate it upwards. Increasing tension can help achieve higher velocities for light-weight projectiles. When finished, replace slotted screw to help maintain the adjustment.

Note: Position marks are only to help the shooter find and repeat settings when the rifle is tuned for a specific projectile.

# NOTICE: THIS PAGE IS FOR TEX-REX MODEL ONLY

## TUNING THE TEX-REX



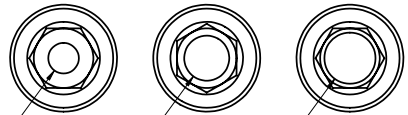
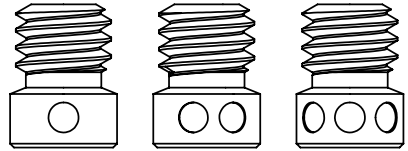
SCAN FOR  
VIDEO

### BIAS PORT SCREWS – WHAT THEY DO

The Biasing Chamber helps the valve open and close during the shot cycle. More air into this chamber = faster closing = less air used per shot, giving you more shots per fill.

- Want max power? Use the smallest hole screw (like the .040" Single Dot Screw) so the valve stays open longer.

- Want more shots and less power? Use a larger hole screw (like the .067" that's pre-installed) or no screw at all. The rifle includes three Bias Port Screws so you can tune it for different projectiles and shooting needs. You can also fine-tune performance with the tuner and how hard the valve is hit.



Ø .040

Ø .059

Ø .067

*Note: Bias Port Screws are included  
with Tex-Rex Rifle Only*

### CHANGING THE BIAS PORT SCREWS

#### Step 1:

Place Bias Screw onto end of 2mm hex key, then insert into port in center of valve.

*(See Figure 7)*

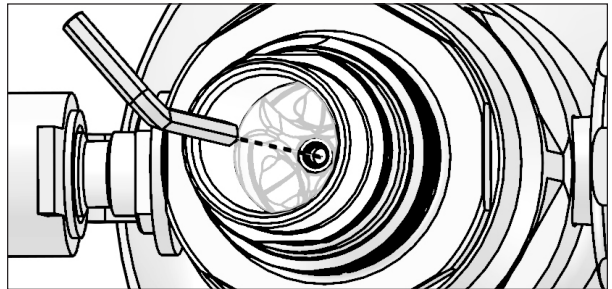


Figure 7

#### Step 2:

Turn hex-key clockwise until bias port screw is hand tight.(3 Inch-Pounds)

*(See Figure 8)*

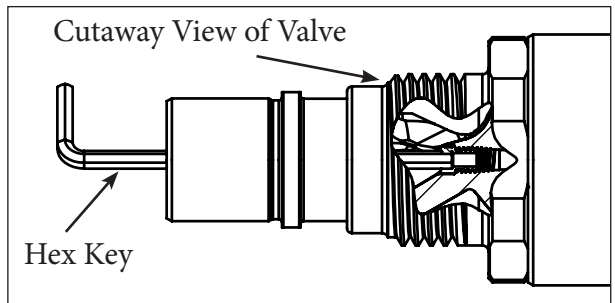


Figure 8

#### Step 3:

Further Adjustments should be done with Tuner.

*(Refer to Page 9)*



**WARNING: ALWAYS KEEP THE MUZZLE  
POINTED IN A SAFE DIRECTION**

## **OPERATIONAL TIPS**

### **REMOVING OR DISABLING THE SAFETY MECHANISM**

Disabling or removing any of the safety parts can disable the rifle and will void the warranty and will create a hazardous condition.

### **MODIFICATIONS TO THE VALVE**

The valve in the AirForce rifle is not a user-maintainable item. Any attempt to remove or modify the valve in any way will void the warranty and may create a hazardous condition.

### **FILLING THE AIR TANK WITH A GAS OTHER THAN DRY COMPRESSED AIR OR NITROGEN**

This practice is not recommended and voids the warranty for the rifle.

### **CLEANING THE BARREL**

The Texan barrel may get lead fouling. If you need to clean the barrel, use a tight patch, wet with lead remover product, until lead is removed. Once the barrel is lead free, run an oily patch down the bore. Use a non-jointed cleaning rod if possible.

Use of cleaning solvents and agents formulated for firearms can damage the seals and O-rings, rendering the rifle inoperative. Be careful to only get lead remover solvents in the barrel. Remove any excess solvents immediately.

### **REMOVING JAMMED PROJECTILES FROM THE BARREL**

Remove the air tank. Always attempt to remove jammed projectiles from the breech through the muzzle; only go from the muzzle end if there is no other way. Use a good cleaning rod of the correct size to push the jam out of the muzzle.

Note: If a projectile gets stuck in the barrel because the pressure in the air tank gets too low, it may be possible to refill your air tank, and then shoot the projectile out.

### **DO NOT LOAD ANOTHER PROJECTILE UNTIL THE JAMMED PROJECTILE IS REMOVED.**

# **NOTICE: READ THIS MANUAL ENTIRELY BEFORE CHARGING OR USING OUR AIRGUN**

## **MAINTENANCE OF THE AIR TANK AND CARE DURING STORAGE**

AirForce Airguns are equipped with high-pressure air tanks designed for safe and reliable operation. Depending on the specific tank, the maximum fill pressure can be 3,000 psi (207 BAR), 3,625 psi(250 BAR) or 4,500 psi (310 BAR) (as indicated on the tank itself).

### **TANK STORAGE & MAINTENANCE**

- The tank is designed to be filled at all times to maintain optimal performance and prevent internal moisture buildup.
- It can be stored fully pressurized indefinitely without issue.
- Alternatively, if preferred, a lower “caretaker” charge of approximately 2,000 psi may be maintained.

### **SAFETY CONSIDERATIONS**

- Each tank is equipped with a safety burst disk, designed to rupture if the internal pressure exceeds safe limits.
- Do not exceed the maximum recommended fill pressure specified on the tank. Over-pressurization can compromise safety and may result in equipment damage or failure.

Always adhere to manufacturer recommendations and standard high-pressure air handling protocols to ensure safe operation and long-term reliability of your Tex-Rex air system.

## **SAFE SHOOTING**

The AirForce Texan is extremely powerful and should always be used with a safe backstop. A firearm bullet trap rated for 1,150 ft. lbs. of energy or greater is required. Never point the muzzle of the rifle at anything you do not intend to shoot. Make this a habit, so you handle an empty airgun the same way all the time. If you handle all guns this way, you will protect yourself and others if there should be an accidental discharge at any time.

Lead projectiles from all AirForce airguns will explode into dust and fragments when they hit a hard surface like a steel backer plate in a bullet trap. Always wear safety glasses when shooting into a hard bullet trap.

In the field, avoid targets that will cause the projectile to ricochet. These can be hard targets like plywood, trees, the sides of structures, water, snow, ice or the ground when struck at a shallow angle.



**WARNING: ALWAYS KEEP THE MUZZLE  
POINTED IN A SAFE DIRECTION**

## **TROUBLESHOOTING**

### **Gun fails to fire when the trigger is pulled**

- ☐ Is the gun cocked?
- ☐ Has the safety been taken off?
- ☐ Is the removable air tank installed?
- ☐ Is the tank filled with air?
- ☐ Is anything blocking the valve or the bolt?
- ☐ Is the air tank overfilled, causing valve lock?

### **Air is leaking from the tank**

Install the air tank on the rifle and fire several times without a projectile. Be sure that there is at least 2000 psi in the tank. If air continues to leak after this has been tried, it will have to be repaired at the factory.

### **Gun fires but projectile remains in the barrel**

- ☐ Is the air tank filled?
- ☐ Is the barrel free from obstructions?
- ☐ Was the action closed and locked when you fired?
- ☐ Is the projectile of the correct caliber for the barrel?
- ☐ Are you sure the projectile did not exit the barrel?  
Remove the air tank and look through the rear of the barrel to verify that it is still inside.

Is the tuner turned up high enough for the specific projectile? If the tuner is turned down, increase its tension on the striker spring by rotating it downward. Once you get the gun to fire, you can start backing the tuner down again to the desired level.

### **Gun fires with widely varying velocity**

- ☐ Are all the projectiles the same?
- ☐ Are the projectiles high quality?
- ☐ Are you using lead projectiles? Synthetic projectiles deposit residue in the barrel that can cause velocity variation.
- ☐ Are the projectiles the correct caliber?
- ☐ Is the air tank filled to 3,000 psi? As the tank drops to 2,000 psi, velocity will start to vary more.
- ☐ Is the barrel dirty?

**NOTICE: READ THIS MANUAL ENTIRELY  
BEFORE CHARGING OR USING OUR AIRGUN**

## **TROUBLESHOOTING**

### **AIR LEAKS FROM THE REFILL CLAMP WHEN FILLING THE AIR TANK**

- ☐ Is the refill clamp bleed valve closed?
- ☐ Is the refill clamp thumbscrew hand-tight?
- ☐ Is the O-Ring present on the K-Valve face?

(For refill tanks utilizing a K-Valve, an O-Ring should be present on the valve face.  
For refill tanks utilizing a DIN-Valve, an O-Ring should be present on the refill  
assembly. )

# AIRFORCE WARRANTY FOR AIRGUNS SOLD IN THE UNITED STATES

## TEXAN SERIES LIFETIME LIMITED WARRANTY

We stand behind the quality, craftsmanship, and performance of every AirForce Texan rifle we produce. By registering your rifle within 60 days of purchase, the original owner activates a Lifetime Limited Warranty that covers the rifle against defects in materials and workmanship for the lifetime of the product.

### WHAT'S COVERED:

- All structural components and internal systems directly related to function and performance.
- Any manufacturing or material defect that affects the safety, accuracy, or reliability of the rifle.

AIRFORCE WILL, AT ITS SOLE DISCRETION, REPAIR OR REPLACE ANY QUALIFYING TEXAN RIFLE FOUND TO HAVE A COVERED DEFECT.

### WHAT'S NOT COVERED:

- Normal wear-and-tear parts such as O-rings, seals, or other consumables.
  - Any rifle that has been disassembled, modified, or altered in a manner not expressly authorized by AirForce.
  - Damage caused by accidents, abuse, improper maintenance, or negligent handling.
  - Rifles used for governmental, law enforcement, or commercial purposes.
- (Note: These applications are covered under a 1-year limited warranty)

### WARRANTY REPAIRS & SERVICE:

All warranty work must be performed exclusively by AirForce or an authorized service center. Unauthorized repairs or modifications will void this warranty in full.

### NEED SERVICE?

Please contact our warranty department for detailed shipping instructions before sending in your rifle:

**PHONE:** 1-877-247-4867

**EMAIL:** [support@airforceairguns.com](mailto:support@airforceairguns.com) (optional)

### TO ACTIVATE YOUR WARRANTY:

Complete and mail the enclosed warranty registration card within 60 days of purchase. Alternatively, register your rifle online at [airforceairguns.com](http://airforceairguns.com) (if applicable).

This warranty is a reflection of our confidence in the Texan series — the most powerful production air rifles in the world — and our commitment to the shooters who depend on them.

**NOTICE: READ THIS MANUAL ENTIRELY  
BEFORE CHARGING OR USING OUR AIRGUN**



**FOLLOW US ON SOCIAL MEDIA**



@airforceairguns



@airforceairguns



@airforceairguns



@airforceairguns

**[www.airforceairguns.com](http://www.airforceairguns.com)**

**AirForce • P.O. Box 2478, Fort Worth, TX 76113**

**817-451-8966 | Fax: 817-451-1613 | [staff@airforceairguns.com](mailto:staff@airforceairguns.com)**