



The Jackalope Owner's Manual

Important Safety Information

WARNING: READ THIS MANUAL COMPLETELY BEFORE USING THE JACKALOPE SUPPRESSOR. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN SERIOUS INJURY, DEATH, OR PROPERTY DAMAGE.

Firearms and suppressors are dangerous tools. Always handle with care and follow firearm safety protocols. The Jackalope is designed for specific calibers and configurations. Misuse can lead to catastrophic failure.

- **Always keep the firearm pointed in a safe direction.**
- **Treat every firearm as if it is loaded.**
- **Keep your finger off the trigger until ready to shoot.**
- **Be sure of your target and what is beyond it.**
- **Wear appropriate eye and ear protection when shooting.**
- **Do not use the suppressor if damaged or showing signs of wear.**
- **The Jackalope is rated for calibers with projectile diameters of .308 inches or less (e.g., .280 and .30 calibers). Using calibers exceeding .308 inches may cause baffle strikes (.284 inches for the .280 model), suppressor failure, or injury.**
- **Minimum barrel length: 10 inches for non-magnum pistol calibers, 10 inches for subsonic rifle calibers, 8 inches for rifle calibers, and 16 inches for specific high-power calibers (e.g., 6.5 Creedmoor, .270 Win Mag, etc.).**
- **Do not exceed muzzle velocity of 4,000 fps, combustion pressure of 65,000 PSI, or powder charge of 100 grains.**
- **Monitor suppressor temperature; do not exceed 800°F to avoid damage or injury.**
- **Never look down the muzzle end of the suppressor while attached to a firearm.**
- **Suppressors reduce noise but do not eliminate it; hearing protection is still required.**
- **Comply with all local, state, and federal laws, including NFA regulations and tax stamp requirements.**

If you are unsure about any aspect of using The Jackalope, consult a qualified gunsmith or contact customer support.

Product Overview

The Jackalope is a high-performance suppressor designed for firearms chambered in .280 and .30 calibers (projectile diameter \leq .308 inches or .284 for the .280 model). Constructed from 17-4 H stainless steel or titanium, it offers durability and excellent sound reduction. It features industry-standard 1.375" x 24 TPI (HUB) threads for compatibility with various muzzle adapters and direct-thread mounts.

Key Specifications

Specification	Details
Product Name	The Jackalope
Muzzle Velocity	4,000 fps
Combustion Pressure	65,000 PSI (max)
Powder Charge	100 grains (max)
Length	7.6 inches (approximate)
Diameter	1.48 inches
Weight	13.5 ounces in SS. 10 ounces in titanium
Material	17-4 H stainless steel or Titanium
Mount Type	1.375" x 24 TPI (HUB)
Sound Reduction	Up to 30 dB (depending on ammunition and barrel length)
Full Auto Rated	Yes, limited to 30-round bursts with 5-minute cooling

Note: Specifications may vary slightly due to manufacturing tolerances. Use with calibers exceeding .308 inches or unsupported configurations voids warranty and poses safety risks.

Installation Instructions

- Verify Compatibility:** Confirm the firearm's caliber is .308 inches or less and meets minimum barrel length requirements. Ensure thread compatibility (1.375" x 24 TPI HUB).
- Unload Firearm:** Verify the firearm is unloaded, safety engaged, and action open.
- Inspect Suppressor:** Check The Jackalope for damage, debris, or loose parts. Clean if necessary.
- Attach Suppressor:**
 - Remove any crush washer from the muzzle.
 - Align the suppressor's threads with the barrel or adapter (1.375" x 24 TPI).
 - Hand-tighten clockwise until fully shouldered and snug, with no gaps.
 - Use a torque wrench to tighten to 20-30 ft-lbs (do not over-torque).

5. **Muzzle Fit:** Ensure the rear of the threads of the barrel muzzle, have a “Thread Relief”. The “Thread Relief” should have a smaller diameter than the diameter of the threads. If your barrel does not have a thread relief you may need to add shims (not a crush washer) to your barrel to ensure a 90 should mount with the adapter and barrel.
6. **Function Check:** Cycle the action (unloaded) to ensure no interference. Use a bore alignment rod to confirm proper alignment with the barrel’s bore.

Warning: Improper alignment or installation can lead to baffle strikes. If alignment issues are suspected, consult a professional gunsmith.

Usage Guidelines

- **Break-In Period:** Fire 20-50 rounds to season the suppressor and reduce initial fouling.
- **Ammunition:** Use only high-quality, factory-loaded ammunition within specified limits (projectile diameter \leq .308 inches, muzzle velocity \leq 4,000 fps, pressure \leq 65,000 PSI, powder charge \leq 100 grains).
- **Heat Management:** Monitor temperature (e.g., with a thermal imaging device or by checking if too hot to touch). Stop firing if approaching 800°F and allow 5-10 minutes to cool. Use gloves or a cover to handle hot surfaces.
- **Full Auto Use:** Rated for limited full-auto (30-round bursts with 5-minute cooling periods). Ensure compliance with ammunition and temperature limits.
- **Adapter Compatibility:** Verify third-party adapters or inserts match 1.375” x 24 TPI and are rated for the intended use. Wyoming Tactical Firearms LLC is not responsible for third-party component failures.
- **High-Power Calibers:** For calibers like 6.5 Creedmoor, .270 Win Mag, or 7mm RUM, use a minimum barrel length of 16 inches to ensure stability and safety.

Maintenance and Cleaning

Regular maintenance ensures safe operation and extends the life of The Jackalope.

1. **Frequency:** Clean every 1,000 rounds or if excessive buildup is observed.
2. **Disassembly:** Detach from the firearm and remove the thread adapter using an adjustable wrench. The Jackalope is not user serviceable.
3. **Cleaning Method:**
 - Wear gloves and eye protection.
 - Use compressed air to remove loose debris.
 - Soak components in a non-corrosive solvent (e.g., diluted Simple Green or CLP) for 30 minutes.
 - Scrub with a nylon brush; avoid abrasive materials.
 - Optionally, use an ultrasonic cleaner for thorough cleaning.
 - Rinse with hot water, dry thoroughly, and lightly lubricate threads before reassembly.
4. **Inspection:** Check threads and baffles for damage or obstructions. Ensure proper reassembly and torque end cap to 15-20 ft-lbs.

5. **Muzzle Fit:** Ensure the rear of the threads of the barrel muzzle, have a “Thread Relief”. The “Thread Relief” should have a smaller diameter than the diameter of the threads. If your barrel does not have a thread relief you may need to add shims (not a crush washer) to your barrel to ensure a 90 should mount with the adapter and barrel.
6. **Storage:** Store in a secure, locked container in a dry, cool place. Use a protective pouch to prevent scratches.

Caution: Never clean while attached to the firearm. Avoid harsh chemicals that could degrade materials.

Troubleshooting

- **Excessive Noise:** Check for loose mount or fouling. Clean and reinstall.
- **Point-of-Impact Shift:** Normal with suppressors; adjust sights as needed. Verify ammunition and barrel length compliance.
- **Overheating:** Reduce firing rate or use a suppressor cover. Allow cooling if approaching 800°F.
- **Baffle Strike:** Stop use immediately. This indicates misalignment or incompatible setup. Contact support for inspection.

Regulatory Compliance

Use of The Jackalope requires compliance with all federal, state, and local laws, including ATF and NFA regulations. A valid NFA tax stamp is required for possession and use. Consult legal counsel or the ATF for guidance.

Warranty Information

The Jackalope comes with a limited lifetime warranty against defects in materials and workmanship. Warranty is void if:

- Used with calibers exceeding .308 inches.
- Used with ammunition exceeding specified limits (velocity, pressure, or powder charge).
- Used on barrels shorter than specified minimums.
- Modified, abused, or improperly maintained.
- Involved in negligent discharge or illegal use.

To claim warranty, contact customer support with proof of purchase and a description of the issue. We will repair or replace at our discretion.

Contact Information

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