DEAD AIR
silencers

NOMAD™ OTB

OWNERS MANUAL

WELCOME TO DEAD AIR SILENCERS

Thank you for purchasing our products and supporting the Second Amendment.

Dead Air Silencers was co-founded by one of the industry's true icons, Mike Pappas, and is supported through distribution and manufacturing by our industry partners. The goal of our company is simply to make the best firearm sound suppressors on the market. Every suppressor is manufactured in the U.S.A. by American craftsmen utilizing the finest materials. As Mike says, "We wouldn't have it any other way. We want the best products, made by Americans for Americans." That said, it's our customers that make our products possible and we appreciate each and every one of you that have supported us.

We place an absolute premium on customer service. We demand that our customers receive prompt and rewarding care and support. Feel free to contact us at 801-857-4232 or info@DeadAirSilencers.com with any questions or concerns you may have. Once again, thank you for your support.

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DEAD AIR silencers

STOP

FIREARMS ARE DANGEROUS! REVIEW THIS OPERATOR'S MANUAL IN FULL BEFORE USING YOUR SUPPRESSOR. FAILURE TO FOLLOW THE INSTRUCTIONS LISTED BELOW COULD RESULT IN DAMAGE TO YOUR FIREARM AND/OR SERIOUS PERSONAL INJURY OR DEATH. DO NOT ATTEMPT TO USE YOUR FIREARM AND/OR SUPPRESSOR UNTIL YOU HAVE THE PROPER TRAINING TO DO SO.

PRODUCT OVERVIEW

Dead Air Silencers continues to push the boundaries of suppressor innovation with the Nomad Ti OTB. Building on the proven Nomad Ti XC lineage, the OTB variant introduces an over-the-barrel design that minimizes overall length when attached to the firearm, enhances balance, maximizes recoil reduction, and delivers uncompromising sound suppression—all while maintaining the ultralight performance the American hunter relies on. Designed for hunters, precision shooters, and professionals who demand extreme performance without compromise.

Firearm	Caliber	Barrel	dB @ Muzzle	dB @ Ear
Bolt Action	.308 Win	20”	136dB	123dB
AR-15	5.56 NATO	14.5”	139dB	135dB

A note on our sound testing:

At Dead Air Silencers, we take pride in the innovative and scientific processes we use to design our products. Part of improving a product is measuring performance, and you can't improve what you can't accurately measure.

While we test across the sound spectrum for frequency and “perceived” sound, we also test for peak sound pressure in decibels (dB) at various locations. We're keenly interested in balancing at-ear and muzzle results for the best possible shooting experience.

Our published sound testing is performed in accordance with MIL-STD-1474E, which doesn't exactly provide the best indicator of how something sounds, however, it does provide a very conservative and consistent muzzle sound level that can be reliably compared to previous results or known baselines. Our system provides very conservative results that you can rely on as accurate and representative of what you can experience with our products.

Other manufacturers may move the microphone to other locations to provide more favorable readings, such as back behind the muzzle of the suppressor or only at the shooter's ear. Some even rely on dealer/media sources to measure using systems that typically provide very favorable results. To keep all of this data in context for end users, you should know this normally results in a bias of several decibels.

Our stated results are from our engineering group, not our marketing group.

Test Equipment Hottinger Brüel & Kjær Impulse Noise Evaluation Kit, https://www.bksv.com/en/instruments/daq-data-acquisition/analyzer-system/impulse-noise-evaluation-system

GENERAL CONSIDERATIONS FOR YOUR SUPPRESSOR'S PERFORMANCE:

Concentricity: To reduce the risk of a baffle strike, it is important to ensure that your barrel threads are aligned concentrically with the bore axis of your host firearm's barrel. If you do not have the means to verify this, it is strongly recommended that you have a competent armorer verify it for you. Specialized alignment rods can also be purchased at https://www.deadairsilencers.com.

Ammunition: Ammunition will have a significant impact on how your new suppressor functions and performs. Use high-quality factory-new ammunition in your firearm. The NOMAD TI OTB in all variants is rated for 300 Remington Ultra Magnum and 7mm Backcountry on barrels as short as 16 inches.

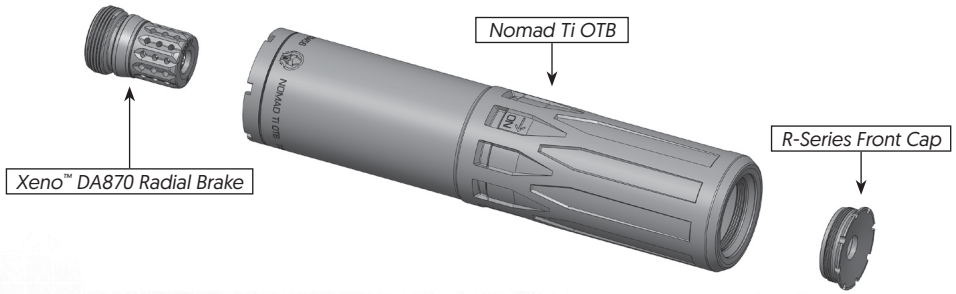
Barrel quality, lengths, rate of fire: Suppressors are rated for specific cartridges and barrel lengths. Shorter barrels and/or faster cyclic rates of fire erode the suppressor baffles and barrels faster. Shorter barrels can also affect acoustic performance.

Ensure the shoulder of your barrel is perpendicular to the bore axis and undamaged. Ensure the barrel of your rifle has not exceeded its specified lifespan, and that the barrel threads are concentric to the bore axis.

CHECK YOUR FIREARM'S CHAMBER AND MAKE CERTAIN THAT THE FIREARM IS UNLOADED AND THE MAGAZINE REMOVED BEFORE PROCEEDING ANY FURTHER. IF THERE IS ANY QUESTION OR DOUBT, CONSULT THE OPERATOR'S MANUAL APPLICABLE TO YOUR FIREARM FOR THE PROPER PROCEDURE FOR CLEARING AND/OR UNLOADING YOUR FIREARM.

DO NOT INSTALL YOUR NEW SUPPRESSOR ON A FIREARM WITH A CLOSED ACTION!

GET TO KNOW YOUR NOMAD Ti OTB



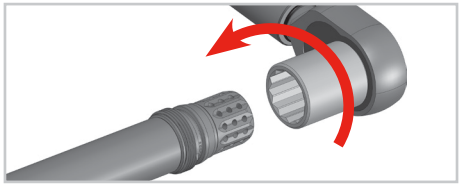
MUZZLE DEVICE INSTALLATION AND REMOVAL

MUZZLE DEVICE INSTALLATION

The Nomad Ti OTB is incompatible with the Browning Xeno™ Recoil Hawg Muzzle Brake family.

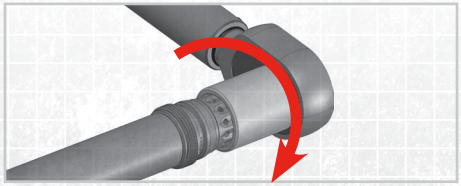
When discussing suppressor orientation during assembly, "back" will always be toward the host firearm, and "front" will always be away from it.

1. Ensure the firearm is unloaded, with the magazine removed, the chamber is empty, and at ambient temperature prior to installation.
2. Depending on the specific firearm, ensure the barrel is constrained with a barrel-action rod, barrel clamp, or action clamp. Remove the current muzzle device from the firearm per agency policy and the firearm's Original Equipment Manufacturer (OEM) instructions.
3. Before installation, ensure the threads of the host firearm's barrel are cleaned with a degreaser. Wipe free any excess debris, degreaser, or oil. If oil is still present, repeat the degreasing process before continuing. Repeat this process for the threads on the muzzle device.
4. The Nomad Ti OTB ships with Dead Air Silencers DA870 Xeno™ Radial Brake, 5/8-24, .30 Cal Bore.
5. The DA870 Xeno™ Radial Brake, 5/8-24, .30 Cal Bore does not require timing.
6. Using a torque wrench with a ¾" 12 point socket, apply 25 foot-pounds +/- 2.5 foot-pounds of torque. If you used Rocksett®, allow 24 hours for it to cure before live fire. Do not exceed 30 foot-pounds of torque, as this could reduce the system's accuracy.



MUZZLE DEVICE REMOVAL

1. Ensure the firearm is unloaded, with the magazine removed, the chamber is empty, and the firearm is at ambient temperature prior to installation.
2. If Rocksett® thread-locker was used, soak the barrel and muzzle device in water for 12-24 hours. Hot water will help accelerate the process.
3. After the soak period is finished, ensure the barrel is constrained with a barrel-action rod, barrel clamp, or action clamp, depending on the specific firearm.
4. Using a ¾" 12 point socket, engage the flats on the muzzle device and apply a counterclockwise motion with the wrench to remove the muzzle device.



IF ROCKSETT WAS USED, DO NOT HEAT THE MUZZLE DEVICE THREADS IN AN EFFORT TO LOOSEN THE THREADS.

WHEN THE TORQUE BREAKS BETWEEN THE TWO PARTS, THE WRENCH MAY SWING ENOUGH TO CREATE A PINCH POINT. ALWAYS BE CAREFUL.

INSPECTION UPON ASSEMBLY:

All components should fit snugly with no gaps or rattling. If any component is not fully tightened, check the threads for damage or debris. Clean both mating parts as necessary and repeat the tightening step.

DEBRIS ON THE THREADS AND TAPER SURFACES MAY CAUSE MISALIGNMENT OF SUPPRESSOR PARTS AND ALLOW FOR PROJECTILE STRIKES ON BAFFLES OR THE FRONT CAP.

FAILURE TO PROPERLY ASSEMBLE AND INSTALL YOUR SUPPRESSOR COULD RESULT IN SERIOUS INJURY, DAMAGE TO THE SUPPRESSOR, THE HOST FIREARM, THE USER, AND/OR A THIRD PARTY.

OUR PRODUCTS ARE CALIBER SPECIFIC. UNLESS STATED OTHERWISE ON THE SUPPRESSOR ITSELF OR ON THE PACKAGING, THE SUPPRESSOR WILL NOT FUNCTION SAFELY WITH ANY PROJECTILE LARGER THAN WHAT IS SPECIFIED OR CARTRIDGES WITH PRESSURES HIGHER THAN 300 REMINGTON ULTRA MAGNUM. USE OF YOUR SUPPRESSOR OUTSIDE OF ITS INTENDED SCOPE COULD RESULT IN DAMAGE TO YOUR FIREARM, DAMAGE TO PROPERTY, BODILY INJURY, OR DEATH.

SUPPRESSOR & COMPONENTS INSTALLATION AND REMOVAL

THE SUPPRESSOR MAY BECOME EXTREMELY HOT AFTER USE. NEVER TOUCH A HOT SUPPRESSOR AS IT CAN RESULT IN BURNS AND INJURY.

PREPARATION

Ensure the firearm is unloaded, with the magazine removed, the chamber is empty, and the firearm is at ambient temperature before installing the suppressor.

Your suppressor is intended to be attached to the muzzle end of your firearm. It will thread directly onto your Xeno™ muzzle device.

Suppressors are highly dependent on the quality of the barrel threading, barrel shoulder perpendicularity, and thread runout. A loose or misaligned suppressor or muzzle device will shift the projectile's point of impact due to misalignment, and, in the worst-case scenario, may cause the projectile to strike the baffles or front cap, damaging the suppressor.

Do not over-tighten the suppressor (greater than 30 foot-pounds). This may result in damage to your firearm and the suppressor, and could also affect the system's accuracy.

Before installation, ensure the threads of the host firearm's barrel are clean and free of any debris or previously used thread-locker before carefully threading the suppressor onto the muzzle end of your firearm. Take care not to cross-thread or force the suppressor onto the muzzle threads.

NOMAD Ti OTB INSTALLATION AND REMOVAL

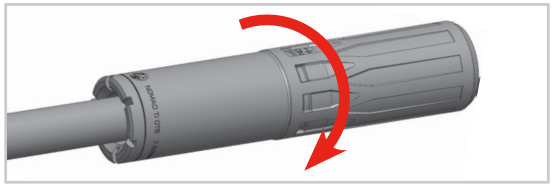
PREPARATION

1. Ensure the firearm is unloaded, with the magazine removed, the chamber is empty, and the firearm is at ambient temperature before installing/attaching the suppressor.
2. The suppressor can only go on one way and come off one way. The Xeno™ mounting system is a LEFT-HANDED thread.
3. Before installation, ensure the taper and threads of the muzzle device are clean and free of any debris. Wipe free any excess debris, degreaser, or oil.

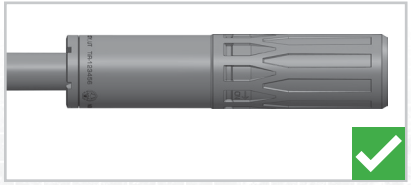
NOMAD TI OTB INSTALLATION

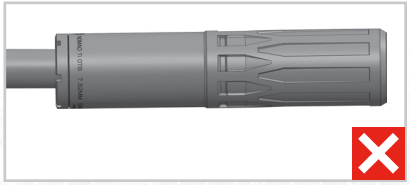
1. Align the suppressor body over the muzzle device and insert the muzzle device into the rear of the suppressor.

2. Grip the suppressor body and rotate the suppressor in a counterclockwise direction until the suppressor meets the corresponding taper on the Xeno™ muzzle device. Firmly grip the suppressor with two hands and tighten the suppressor to approximately 15 foot-pounds +/- 2.5 foot-pounds. Note that the suppressor should thread on smoothly without any binding. Ensure the suppressor is not cross-threaded..



3. After finishing the suppressor installation, refer to page 10 to check alignment and function before live fire.



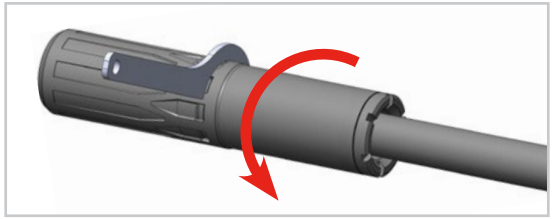


NOMAD TI OTB REMOVAL

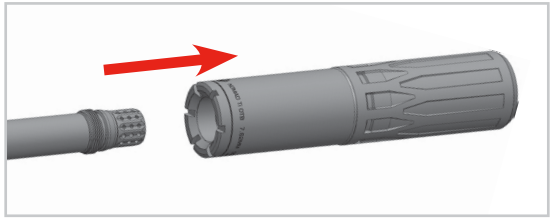
1. Ensure the firearm is unloaded, with the magazine removed, the chamber is empty, and the firearm is at ambient temperature.

WHEN THE TORQUE BREAKS BETWEEN THE TWO PARTS, THE WRENCH MAY SWING ENOUGH TO CREATE A PINCH POINT. ALWAYS BE CAREFUL.

2. While gripping the suppressor body or using a TL001 tool to engage the suppressor body tool features, rotate the suppressor body in a clockwise direction until the suppressor body is fully disengaged.



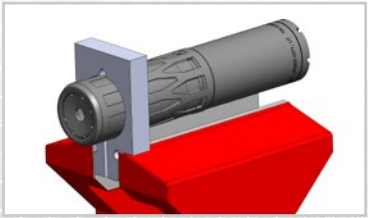
3. Pull the suppressor forward to remove it completely.

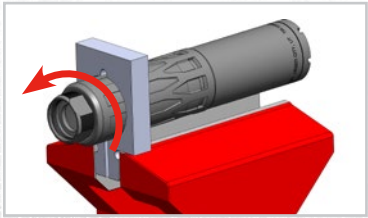


FRONT CAP INSTALLATION AND REMOVAL

FRONT CAP REMOVAL

1. Ensure the firearm is unloaded with the magazine removed, the chamber is empty, and at ambient temperature.
2. The suppressor front cap is RIGHT-HAND threaded. It can only go on one way and come off one way.
3. All Nomad Ti OTB models have factory-installed front caps and do not require removal for use.
4. Ensure the suppressor is rotationally constrained by using a suppressor vice block. Take special care not to crush the suppressor in the block. Only use enough clamping force to secure the block rotationally.
5. Using a DA208 tool (sold separately), engage the tines on the front cap and rotate the wrench in a counterclockwise motion to unthread the front cap.





FRONT CAP INSTALLATION

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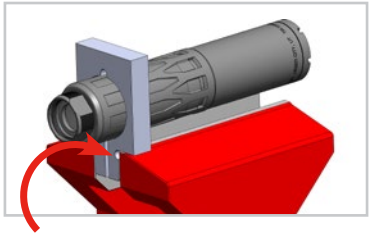


ALIGNMENT AND FUNCTION CHECK

1. Once the suppressor is installed, place a certified alignment rod of the same caliber as the barrel through the bore of the suppressor and into the barrel such that roughly 1 inch of the rod is protruding through the bore of the suppressor.
2. The suppressor alignment rod should be centered in the bore and not touching the suppressor front cap.

3. If the alignment rod is touching the front cap or is drastically misaligned, stop the installation process and contact Dead Air Silencers Customer Service at info@deadairsilencers.com or 801-857-4232.
4. If the alignment rod is centered and not touching the front cap, remove the alignment rod, placing it back into its case to protect it. Reassemble and secure the suppressed firearm in accordance with agency policy.
5. To function check the suppressor before using the suppressed firearm, firmly grip the silencer and attempt to turn, shake, and wobble the suppressor. The suppressor should not move, rotate, or wobble. Ensure the suppressor is firmly and rigidly mounted to the firearm, and that the alignment rod has been removed. Failure to do so could result in damage to your firearm and damage to the suppressor.

FAILURE TO PROPERLY ASSEMBLE AND INSTALL YOUR SUPPRESSOR COULD RESULT IN SERIOUS INJURY, DAMAGE TO THE SUPPRESSOR, THE HOST FIREARM, THE USER, AND/OR A THIRD PARTY.

CLEANING AND MAINTENANCE NOTES

INTRODUCTION

Dead Air Silencers are precision-engineered firearm suppressors built to endure extreme conditions, but even the most robust steel components are susceptible to corrosion when exposed to high humidity and/or salt-laden air.

These environmental factors can significantly accelerate oxidation, especially on carbon steel and non-stainless alloys, potentially compromising the performance and longevity of suppressor components.

UNDERSTANDING WET ENVIRONMENTS

Salt air, often encountered in coastal regions, contains chloride ions that aggressively attack metal surfaces, particularly at microscopic defects or at exposed areas in protective coatings.

Wet environments away from coastal regions, or even during inclement weather events such as heavy rain, or during operations where water will be present on the suppressor for extended periods before and after operations, can lead to surface corrosion of components.

High humidity and/or water further exacerbate this effect by prolonging the time that moisture remains on the surface, creating an ideal environment for corrosion. Even stainless steel, although more resistant, can suffer from pitting and crevice corrosion under these conditions if not properly maintained.

PREVENTIVE MAINTENANCE MEASURES

Regular cleaning and inspection

After exposure to humidity, rain, snow, or coastal environments, the suppressor should be disassembled (if user-serviceable) and thoroughly cleaned using a non-corrosive solvent. Pay particular attention to muzzle devices and front caps.

Dry thoroughly

Moisture trapped within the suppressor can continue to degrade metal surfaces over time. After cleaning, dry all components thoroughly with compressed air or allow them to air-dry in a low-humidity environment. Avoid storing the suppressor while still warm or wet from recent use.

Protective coatings

Dead Air products feature high-quality surface treatments, including nitriding, Cerakote®, and phosphate coatings. However, applying a light film of a corrosion-inhibiting oil or a high-quality firearm protectant—such as Break-Free CLP or Eezox®—provides an additional layer of protection, especially on bare threads or exposed steel components.

Proper storage

Store the suppressor in a cool, dry location with minimal exposure to ambient air fluctuations. Use desiccant packs or a dehumidifier in safes or storage containers. Avoid leaving the suppressor attached to the firearm for long periods, particularly in salt-air environments, as this can trap moisture between mating surfaces, unless the suppressor has been semi-permanently torqued onto the firearm.

Use of covers or front caps

When not in use, consider covering the suppressor with a breathable protective wrap or silicone-treated cloth. Installing thread protectors or end caps can also prevent moisture ingress into internal threads and cavities.

Inspection and service

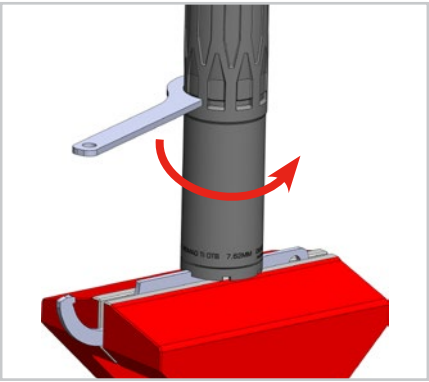
Users should routinely inspect their suppressors for signs of corrosion, such as discoloration, surface roughness, or pitting. Early detection is key—light surface rust can often be removed with a brass brush and lubricant, while more advanced corrosion may require professional evaluation. If unsure, contact Dead Air Silencers for inspection or service support.

Conclusion

Dead Air Silencers are crafted for durability, but high-humidity, wet, and salt-air conditions demand an elevated level of care. By following these maintenance steps, users can prevent corrosion-related damage and ensure their suppressor continues to perform reliably, even in the harshest environments.

DISASSEMBLY AND PREPARATION

1. Ensure the firearm is unloaded, with the magazine removed, the chamber is empty, and the firearm is at ambient temperature.
2. Ensure that proper full coverage eye and skin protection is worn during all cleaning and/or maintenance operations.
3. Remove and disassemble the suppressor.
4. Once the suppressor has been removed, move on to STEP TWO.



CLEANING ADAPTER, FRONT CAP, AND SUPPRESSOR CONTROL SURFACES

1. The rear cap on the Nomad Ti OTB does not need to be removed, unless during cleaning of the suppressor to flush the rear OTB portion.
2. To remove the Rear Cap, place a DAT006 tool in a vice as shown in the image. With the suppressors rear cap engaged on the tool.
3. Using the second DAT006 engage the main suppressor body tool locations and rotate the suppressor counterclockwise.
4. When finished repeat the process and ensure the rear cap is torqued to 17 foot-pounds +/- 2 foot pounds.

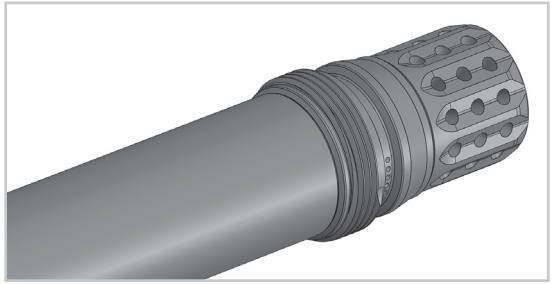
TAKE SPECIAL CARE NOT TO DAMAGE THE TAPER OR THREADS OF ANY COMPONENT.

MUZZLE DEVICE CLEANING AND INSPECTION

1. Ensure the firearm is unloaded, with the magazine removed, the chamber is empty, and the firearm is at ambient temperature.
2. Inspect the muzzle device for any fouling or rust. If either is present, use a brass or nylon brush with CLP to scrub and remove rust or fouling from the muzzle device. Take special care not to remove the Nitride from the muzzle device.

THE TAPER ON THE MUZZLE DEVICE IS A CRITICAL SURFACE. NEVER USE A KNIFE OR EDGED TOOL ON THE TAPER.

3. Over time, the muzzle device will accumulate lead and carbon from use on the surfaces in front of the taper. After roughly 4000 rounds of use, use a scraping tool, brush, and/or a polymer base scouring pad to apply a small amount of oil or CLP, then remove the lead and carbon deposits. Take special care not to remove the Nitride surface treatment.



MAIN SUPPRESSOR BODY CLEANING

SUPPRESSORS AND/OR ANY SUPPORTING PRODUCTS THAT ARE CLEANED USING CHEMICALS OUTSIDE OF THE NON-TOXIC, WATER-SOLUBLE, BIO-DEGRADABLE CLEANING SOLUTIONS AND/OR CHEMICALS THAT DISSOLVE ANY METAL WILL RESULT IN A LOSS OF WARRANTY.

OWNERS WILL BE SUBJECT TO ANY COSTS RELATED TO LEADING TO REPAIR OF THE PRODUCT, IF IT IS DETERMINED THAT THE PRODUCT IS NO LONGER SERVICEABLE DUE TO CHEMICAL EROSION OF CRITICAL SURFACES, STRUCTURES, AND/OR COMPONENTS.

THE PERSON CONDUCTING THE CLEANING IS SOLELY RESPONSIBLE FOR THE PROPER DISPOSAL OF THE CLEANING SOLUTION AND/OR ANY POST SUPPRESSOR CLEANING SOLUTION THAT MAY OR MAY NOT CONTAIN HEAVY METALS.

To clean the suppressor's internal body, end users are encouraged to use any commercially available, non-toxic, water-soluble, biodegradable cleaning solutions and methods.

To enhance cleaning of internal surfaces and geometry, the Dead Air Silencer Cleaning System (SCS) is preferred. An ultrasonic tank WITHOUT HEAT AND/OR CORROSIVE CHEMICALS may be used on any materials such as titanium, steel, or Haynes® 282®.

Note that chemicals, alone or in combination with an ultrasonic process, can cause discoloration of coated or painted surfaces. A discoloration of coating or paint will not compromise the suppressor warranty.

DISCLAIMER

Dead Air Silencers is not responsible for damages or injuries due to misuse or unintended use of its products. This product is potentially dangerous and, as such, adequate safety precautions must be taken to avoid damage to your firearm, damage to third parties, bodily injury, or death. Please consult our website for further details at www.deadairsilencers.com or call 801-857-4232.

WARRANTY

We provide a lifetime warranty against all manufacturing defects and damages caused by the normal use of this product. The manufacturer will repair or replace free of charge any suppressor manufactured by, or at the direction of, Dead Air Silencers. The product is sold "as is" with no further implied contractual rights or warranties beyond those expressly stated herein.

The warranty does not apply to certain conditions or acts. It is at the sole discretion and determination of Dead Air Silencers whether a particular defect or condition is covered by this warranty. Conditions not covered include, but are not limited to, modifications, abuse, neglect, use of defective ammunition, use of improperly sized ammunition, and criminal conduct. Dead Air Silencers assumes no liability for damages or bodily injury caused by such acts or omissions as previously described. Abuse and neglect are defined as usage outside of the reasonable scope for which the product is intended, thus contributing to the accelerated and unreasonable premature wear of the suppressor itself.

If a repair is required, the owner must contact our Customer Service Department at 801-857-4232 or info@deadairsilencers.com. A Dead Air Silencers representative will plan for the return of the suppressor.

DO NOT SHIP THE SUPPRESSOR FOR REPAIR WITHOUT FIRST CONTACTING CUSTOMER SERVICE, AND DO NOT SHIP IN ANY EVENT WITHOUT A COPY OF THE APPROVED BATF FORM.

When you ship the suppressor back to Dead Air Silencers, please include a detailed statement concerning the type of defect or malfunction encountered, describe the ammunition used, and the type of host firearm the product was used on or attached to.

LAWFUL USE AND POSSESSION

Your new suppressor is an NFA firearm and is not legal to own or possess in certain jurisdictions. Dead Air Silencers does not offer any express or implied promises or affirmations concerning the use, possession, or ownership of your suppressor. If you have any questions concerning the ownership, possession, or use of your suppressor, contact the chief local law enforcement officer in the jurisdiction in which you reside or your local BATF office for further information concerning the ownership, use, and possession of NFA-controlled firearms.

ALWAYS MAINTAIN A COPY OF THE APPLICABLE BATF DOCUMENTS TO YOUR SUPPRESSOR WITH THE SUPPRESSOR ITSELF WHENEVER TRANSPORTING OR USING YOUR SUPPRESSOR. FAILURE TO DO SO COULD RESULT IN CONFUSION, PROSECUTION, OR CONFISCATION OF YOUR NFA CONTROLLED FIREARMS.

CONTACT INFORMATION

Contact Dead Air Silencers directly by telephone at 801-857-4232 or visit our website at www.deadairsilencers.com.

Thank you for supporting our products. Feel free to contact us with any inquiries or concerns you might have.

DEAD AIR
silencers

⚠ 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 other information go to www.P65Warnings.ca.gov

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