



RXD30Ti

.30 CALIBER TITANIUM SUPPRESSOR

OWNER'S 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.

RXD SUPPRESSORS

Dead Air Silencers and Ruger® Firearms are two of the most respected names in the shooting sports industry. These great brands came together to offer an entirely new and exciting product line: RXD Suppressors. Dead Air developed this line of performance-driven suppressors and accessories to complement Ruger's innovative firearms designs. RXD products are not reskins - they represent a new standard for suppressor design, performance, and maintainability.



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FIREARMS ARE DANGEROUS! REVIEW THIS OWNER'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.

1. PRODUCT OVERVIEW

The RXD30Ti combines the two-industry leading patented baffle technologies, Triskelion™ and Nomad™; delivering an ultralight suppressor that has integrated porting to drastically reduce felt recoil. The RXD30Ti was specifically designed for small to large game hunting and precision rifle shooting. It ships with the new Direct Thread Brake Mount and RXD flash hiding front cap that helps reduce blast baffle erosion and muzzle flash, respectively.

Caliber compatible Ruger firearms include many Ruger American® rifles, Ruger Precision® rifles, Ruger Hawkeye® rifles, and Marlin® 336 rifles.

SOUND PERFORMANCE					
Firearm	Caliber	Barrel Length	Ammunition	dB @ Muzzle	dB @ Ear
Ruger AR-556®	.223 REM/ 5.56	16"	IMI - M193	140 dB	138 dB
Ruger American® Gen 2	.308 WIN/7.62	20"	LCW - M118LR	136 dB	130 dB
Ruger Hawkeye®	.300 WIN MAG	24"	Federal Sierra Match King 190 grain OTM	139 dB	132 dB

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

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, but it does provide a very conservative and consistent muzzle sound level that can be reliably compared to previous results or known baselines. Our particular system provides very conservative results that you can rely on as accurate and representative of what can be experienced 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 ear of the shooter. 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 as an end user, you should know this typically results in a bias of several decibels.

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

2. GENERAL CONSIDERATIONS

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 gunsmith verify it prior to using your RXD30Ti.

Ammunition: Ammunition type can significantly impact how your new suppressor functions and performs. Use high quality factory-new ammunition in your firearm.

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



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 OWNER'S MANUAL APPLICABLE TO YOUR FIREARM AS TO THE PROPER PROCEDURE FOR CLEARING AND/OR UNLOADING YOUR FIREARM.



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

3. GET TO KNOW YOUR RXD30Ti



4. INSTALLATION NOTES

When discussing directionality during assembly, “back” will always be toward the host firearm, “front” will always be away. For example, the Direct Thread Brake Mount goes in the back of the suppressor, and the Front Cap threads into the front.

Note: If the mount loosens on your firearm due to the suppressor experiencing heavy heat cycles, then it's recommended to degrease the threads and use a high temperature thread locker on the barrel threads. Note that it requires high heat to remove many high-strength thread lockers. Dead Air recommends using a medium-strength, high temperature thread locker like Vibra-Tite 123 for average operating conditions.



FAILURE TO PROPERLY 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 CARTRIDGE WITH PRESSURES HIGHER THAN 300 PRECISION RIFLE CARTRIDGE (PRC). USE OF YOUR SUPPRESSOR OUTSIDE OF ITS INTENDED SCOPE COULD RESULT IN DAMAGE TO YOUR FIREARM, DAMAGE TO PROPERTY, BODILY INJURY, OR DEATH.

5. SUPPRESSOR INSTALLATION AND REMOVAL

INSTALLATION STEP ONE:

Ensure your firearm is fully unloaded and pointed in a safe direction.

Your suppressor is intended to be attached to the muzzle end of your caliber appropriate firearm. Your RXD30Ti ships with a DTB324HT 5/8-24 Direct Thread Brake Mount. It will thread directly onto your existing 5/8-24 barrel threads. Because this is a modular system, there are a few options available for mounting it to your host firearm.

Before installation, ensure the threads of the host firearm's barrel are clean 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.



NEVER USE CRUSH WASHERS OR SHIMS WITH THE DIRECT THREAD BRAKE MOUNT.

Barrel torque for Direct Thread Brake Mounts, KeyMo/KeyMicro, and Xeno muzzle devices should not exceed 30 foot-pounds. A target of 25 plus or minus 5 foot-pounds is optimal.

If the suppressor does not smoothly thread onto your firearm, stop the installation process and immediately contact our Customer Service Department for further instruction.

We recommend checking tightness often. All Direct Thread Brake Mount suppressors will loosen with use and are very dependent on the quality of the barrel threading. A loose suppressor mount will shift the point of impact due to misalignment of the suppressor and may cause the projectile to strike the baffles or front cap, damaging the suppressor.

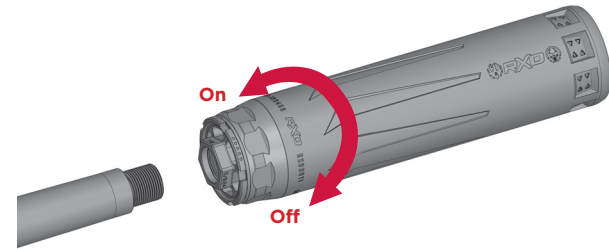
Do not overtighten the suppressor with any assorted tools or wrenches beyond the recommended torque specifications, as such actions may result in damage to your firearm, the suppressor, or both and could also create a change to the accuracy of the system. Hand tightening the suppressor onto the barrel is preferred.

Ensure the suppressor is tightened all the way against the shoulder of the barrel. Longer threads will require the suppressor to seat on the muzzle face and the back of the Direct Thread Brake Mount may not contact the shoulder.

DO NOT thread onto barrels that don't have a proper shoulder or muzzle face that is aligned and square with the bore.

INSTALLATION STEP TWO:

The suppressor can only go on one way and come off one way. Before using it, make sure that the suppressor is firmly and rigidly mounted to the firearm. Failure to do so could result in damage to your firearm and damage to the suppressor. Align the suppressor with the threads of your firearm and rotate the suppressor in a clockwise direction until it fully seats against the shoulder or crown of your barrel.



Visually inspect the suppressor after it is mounted to confirm that it is mounted straight to the centerline of the bore using a caliber-appropriate alignment rod. If the suppressor is not in line with the bore immediately stop the installation process and contact our Customer Service Department.

Note: Use of the suppressor while improperly mounted could cause irreparable harm to your suppressor and will cause poor performance and reduced accuracy.

Note: Be aware of the barrel thread pitch of your barrel and ensure the matching Direct Thread Brake Mount is properly installed in the suppressor. Be aware that some thread pitches are left-handed, meaning they turn in the opposite direction than what you may be used to.

Note: If the suppressor loosens during firing, the supplied TL tool may be used to snug it onto the barrel.

Note: Barrel torque for Direct Thread Brake Mounts, KeyMo/KeyMicro, and Xeno muzzle devices should not exceed 30 foot-pounds. A target of 25 plus or minus 5 foot-pounds is optimal.

REMOVAL:



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

PRO TIP! A wrench or strap-wrench may be used to loosen a suppressor that's too hot to touch. To remove the suppressor when the Direct Thread Brake Mount is installed, simply rotate the body of the suppressor counterclockwise until it begins to unthread from the muzzle of the host firearm. If the barrel thread is left-handed, then unscrew by rotating clockwise.

If the suppressor unthreads from the mount with the mount remaining on the barrel, then a 13/16" wrench or supplied TL Tool can be used to loosen it by engaging the hex tool feature or TL Tool slots, respectively.

Any questions concerning the performance or care of your suppressor should be directed to our Customer Service Department at 801-857-4232 or info@deadairsilencers.com.

6. MOUNT AND ADAPTER INSTALLATION

MOUNT AND ADAPTER INSTALLATION STEP ONE:

Your RXD30Ti comes with a 5/8-24 Direct Thread Brake Mount preinstalled and can accept other Dead Air mounting architectures via the HUB threads (1.375-24 TPI) on the rear of the suppressor body.

Choose your preferred mount or adapter and lightly coat the threads with high-quality grease.



Note: The installation of KeyMo and Xeno adapters are installed in the exact same method as the Direct Thread Brake Mount to the suppressor.

Note: If you experience loosening on the mount due to the suppressor experiencing heavy heat cycles, then it's recommended to de-grease the threads and use a high temperature thread locker.

Note that it requires high heat to remove many high-strength thread lockers. Dead Air recommends using a medium-strength, high temperature thread locker like Vibra-Tite 123 for average operating conditions.

MOUNT AND ADAPTER INSTALLATION STEP TWO:

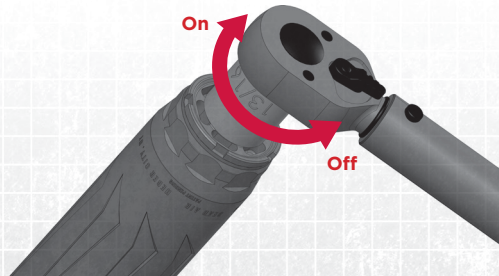
Thread the adapter into the suppressor until it bottoms out on the rear suppressor face.

MOUNT AND ADAPTER INSTALLATION STEP THREE:

Using either a 13/16" socket or the TL tool on the adapter and supplied RXD30Ti wrench on the hex geometry, turn the Direct Thread Brake Mount in a clockwise motion until the rear of the suppressor body and front of the Direct Thread Brake Mount fully mates.

Using the supplied RXD30Ti wrenches, engage the flats on the rear of the suppressor body. Tighten the Direct Thread Brake Mount to 25 foot-pounds, plus or minus 5 foot-pounds with a torque wrench.

Note: The average human can apply roughly 15 foot-pounds by hand.



7. MOUNT AND ADAPTER REMOVAL

Using either a 13/16" socket or TL tool on the Direct Thread Brake Mount and the supplied DAT002 wrench on the wrench flats of the suppressor body, respectively, rotate in the Direct Thread Brake Mount in a counterclockwise direction.



YOU MAY NEED TO HEAT THE SUPPRESSOR UP TO LOOSEN THE THREADS. PAY SPECIAL ATTENTION TO THE HEATED SURFACES TO AVOID BURNS!

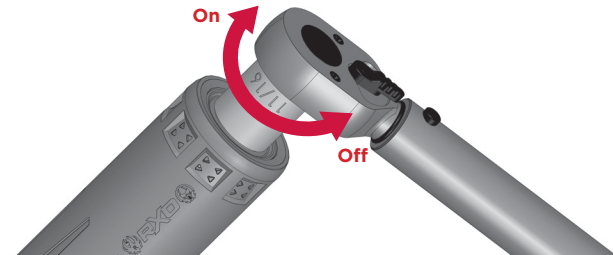


WHEN THE TORQUE BREAKS BETWEEN THE TWO PARTS, THE WRENCHES MAY SWING ENOUGH TO CREATE A PINCH POINT. ALWAYS BE CAREFUL AND MIND THE GAP!

8. FRONT CAP INSTALLATION

Clean threads and taper. Apply high-quality grease to the surfaces and install new cap and hand tighten.

Using an 11/16" socket or open-ended wrench onto the front cap, ensure the 11/16" socket or open-ended wrench is fully engaged. Torque to 35 inch-pounds in a clockwise direction to install, and a counterclockwise direction to remove.



9. INSPECTION UPON ASSEMBLY

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

Any questions concerning the performance or care of your suppressor should be directed to our Customer Service Department at 801-857-4232.



IF THE MOUNT DOES NOT SMOOTHLY THREAD ONTO YOUR FIREARM, STOP THE INSTALLATION PROCESS AND CONTACT OUR CUSTOMER SERVICE DEPARTMENT AT 801-857-4232 OR INFO@DEADAIRSILENCERS.COM.



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



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

10. SUPPRESSOR CLEANING AND MAINTENANCE

STEP ONE: DISASSEMBLY AND PREPARATION

Ensure the suppressor is not mounted to a firearm. If it is, ensure the firearm is unloaded before attempting to remove the suppressor.

Ensure the suppressor and firearm are at ambient temperatures before conducting any maintenance on the suppressor or firearm.

Ensure that proper full coverage eye and skin protection is worn during all cleaning and/or maintenance operations.

STEP TWO: ADAPTER, FRONT CAP, AND SUPPRESSOR CONTROL SURFACES

Follow previously stated steps for mount, adapter, and front cap removal.

Once complete, ensure control surfaces such as threads, taper surfaces, and all mating surfaces, are clean of any debris. If debris or build-up is present, using a nylon or brass brush and cleaning oil, lightly brush the surfaces until the build-up or debris is removed. When finished, using a shop or paper towel, wipe free any excess debris or oil.

The Direct Thread Break Mount surfaces other than threads, tapers, and mating surfaces may be cleaned using any available method.

NOTE: Certain caustic and/or acidic chemicals can discolor coatings such as Nitride or Physical Vapor Deposition (PVD) and can strip Cerakote paint.

STEP THREE: MAIN SUPPRESSOR BODY CLEANING

To clean the body of the suppressor, use any commercially available non-toxic, water soluble, bio-degradable cleaning solutions and follow the instructions provided by the chemical manufacturer.

To enhance cleaning of the exterior surfaces and internal geometry, an ultra-sonic tank WITHOUT HEAT may be used on any materials such as titanium, steel, or Haynes®, without causing harm to your finish.

Note: Certain caustic and/or acidic chemicals alone or in conjunction with an ultra-sonic process can lead to discoloration of coated surfaces. A discoloration of coating will not result in a loss of warranty.



NEVER USE ULTRA-SONIC TANKS AND ALUMINUM.



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.



YOU WILL BE SUBJECT TO ANY COSTS RELATED OR 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 INDIVIDUAL OWNER OF THE SUPPRESSOR AND/OR 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.

11. 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.

12. WARRANTY

We provide a conditional lifetime warranty against all manufacturing defects and damages caused by the normal use of this product. Dead Air Silencers 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 if 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/or 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, you must contact our Customer Service Department at 801-857-4232 or info@deadairsilencers.com. A Dead Air Silencers representative will arrange 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 us, please include a detailed statement concerning the type of defect or malfunction encountered and describe the ammunition used and type of host firearm the product was used on or attached to.

If for any reason your suppressor is not eligible for repair or replacement, you may purchase a replacement suppressor for 50% off the MSRP for a same or similar suppressor. Please contact our Customer Service Department for further details and requirements.

13. 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.

14. CONTACT INFORMATION

You can contact us directly by telephone at 801-857-4232, or visit our website at www.DeadAirSilencers.com.

Thank you once again for supporting our products and feel free to contact us with any inquiries or concerns that you might have.



RXD SUPPRESSORS



RUGER®

DEAD AIR



RXD SUPPRESSORS

Designed & Manufactured by Dead Air Silencers® under license from Sturm, Ruger & Co., Inc.



⚠ 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

